Section 27-05-53 3.01A1 - Intra Building Conduits

4.1-407C 1

ROOM/TR>ROOM/TR> First location listed is the closest to the core of the network.

<Couduit #> Number of this conduit related to conduits with the same endpoints

Section 27-05-53 3.01A2 - Inter Building Conduits

29-4.1 T-18 1

BGLD#>ROOM/TR> First location listed is the closest to the core of the network.

BGLD#>ROOM/TR> Second location listed is farther from the core of the network.

<Couduit #> Number of this conduit related to conduits with the same endpoints

Definitions

<BGLD#> Building Number. See Appendix A for list of building numbers.

<ROOM/TR>: If the location is a Telecommunications room, use its Telecommunications Room Designation. See Appendix A for list of TR designations.

If the location is an end user space, use its room number.

If the location is an end user space, and permanent room numbers are not yet available, then use the construction room number and preface it with “C”.

If the location is an underground facility, use its appropriate designation. See Appendix A for list of Underground facility designations.

<Couduit #> Number of this conduit related to conduits with the same endpoints. This number insures that each conduit is uniquely identified.

When this conduit enters an underground space, the conduit number shall be assigned from the butterfly drawings.

Note: Always label both ends of a conduit, cable or wire with identical tags.
Section 27-05-53 3.01B1 - Intra Building Copper Riser Cable

- **<CU TYPE>**
  - R = Riser
- **<TR ID>** - **<TR ID>**
  - First TR designation listed is the closest to the core of the network.
- **<Pair#s>**
  - Number of pairs in relation to the total between the two endpoints

Section 27-05-53 3.01B1 - Inter Building Copper Cable (OSP)

- **<CU TYPE>**
  - CU = Copper
- **<BGLD#>-<BGLD#>**
  - First building listed is the closest to the core of the network.
- **<Pair#s>**
  - Number of pairs in relation to the total between the two endpoints

**Definitions**

- **<CU TYPE>**
  - Indoor cables use R for Riser, Outdoor use CU for copper.
- **<TR ID>**
  - End points for riser copper would all be Telecommunications rooms, use its Telecommunications Room Designation. See Appendix A for list of TR designations.
- **<Pair#s>**
  - Number of pairs in relation to the total between the two endpoints. If it is a 100 pair cable it would be labeled 1-100. If it is a 50 pair in addition to an existing 50 pair, it would be 51-100.
- **<BGLD#>**
  - Building Number. See Appendix A for list of building numbers.

*Note: Always label both ends of a conduit, cable or wire with identical tags.*
Section 27-05-53 3.01B3 – Copper Station Cables (Labels On The Cable)

111001 1 1 1 0 0 1
First digit is the floor the serving TR is on.
Second digit is the designation of the serving TR if there is more than one on that floor.
Third digit is the floor the station cable terminates on.
Last three digits are the unique number for that outlet.

111001 Example: TR is on the 1st floor, is the first TR on that floor, the outlet is on the first floor, and is number 001.
012075 Example: TR is in the basement, is the first TR in the basement, the outlet is on the second floor, and is number 075.
323015 Example: TR is in on the 3rd floor, is the 2nd TR on the 3rd floor, the outlet is on the 3rd floor, and is number 015.

Section 27-05-53 3.01B3 – Copper Station Cables (Labels On The Faceplate)

- Jack numbering scheme used is as specified in the above detail.
- Labels are made from a template provided by the campus telecommunications representative.
- Always label jacks in the correct order from space 1 to space 6.
- Always place labels in both windowed insert areas when labeling jacks.

Definitions
Section 27-05-53 3.01B4 - OSP Copper Station Cable

Definitions

- **<CU TYPE>**
  - Outdoor use CU for copper.

- **<BGLD#>-<BGLD#>**
  - Building Number. See Appendix A for list of building numbers.

- **<StationID#>**
  - See 3.01B3 above for detail.

*Note: Always label both ends of a conduit, cable or wire with identical tags.*
Section 27-05-53 3.01C1 – Intrabuilding Fiber Optic Riser Cable

| F TYPE | RiserFOC = Riser Fiber Optic Cable |
| TR ID  | First TR listed is the closest to the core of the network. |
| FiberCount | Count for SingleMode and Multimode Fibers |

Section 27-05-53 3.01C2 – Interbuilding Fiber Optic Cable

| F TYPE     | BFOC = Building Fiber Optic Cable (See Definitions for RFOC & SFOC) |
| TR ID      | First building listed is the closest to the core of the network. |
| FiberCount | Count for SingleMode and Multimode Fibers |

Definitions

- `<F TYPE>`
  - RIFOC = Room To Room fiber inside a building
  - BFOC = Building Fiber Optic Cable
  - SFOC = Spoke Fiber Optic Cable
  - RFOC = Ring Fiber Optic Cable
  - XFOC = Fiber Optic Station Cable

- `<TR ID>`
  - End points for riser copper would all be Telecommunications rooms, use its Telecommunications Room Designation. See Appendix A for list of TR designations.

- `<FiberCount>`
  - Number of Singlemode Strands / Multimode Strands.
    - If only one Type, then label the strand count with SM or MM
    - Example: 144/144 = 144 strands of SingleMode and 144 Strands of Multimode
    - Example: 12/6 = 12 strands of SingleMode and 6 Strands of Multimode
    - Example: 6SM = 6 strands of SingleMode

- `<BGLD#>`
  - Building Number. See Appendix A for list of building numbers.

  Note: Always label both ends of a conduit, cable or wire with identical tags.
Section 27-05-53 3.01C3 – Fiber Optic Station Cables

**F111001**  
F 1 1 1 1 1  
First digit is the floor the serving TR is on.  
Second digit is the designation of the serving TR if there is more than one on that floor.  
Third digit is the floor the station cable terminates on.  
F for Fiber  
Last three digits are the unique number for that outlet.

Example: TR is on the 1st floor, is the first TR on that floor, the outlet is on the first floor, and is number 001.

Example: TR is in the basement, is the first TR in the basement, the outlet is on the second floor, and is number 075.

Example: TR is in on the 3rd floor, is the 2nd TR on the 3rd floor, the outlet is on the 3rd floor, and is number 015.

Section 27-05-53 3.01xx – OSP Fiber Optic Station Cable

**XFOC**  
29 – EP6  
F111001

XFOC = OSP Fiber Optic Station Cable, and fiber strand count

- **<F TYPE>**
  - XFOC = Fiber Optic Station Cable
- **<FiberCount>**
  - Number of Singlemode Strands / Multimode Strands.
  - If only one Type, then label the strand count with SM or MM
  - Example: 144/144 = 144 strands of SingleMode and 144 Strands of Multimode
  - Example: 12/6 = 12 strands of SingleMode and 6 Strands of Multimode
  - Example: 6SM = 6 strands of SingleMode
- **<BGLD#>**
  - Building Number. See Appendix A for list of building numbers.
- **<StationID#>**
  - See 3.01C3 above for detail.

*Note: Always label both ends of a conduit, cable or wire with identical tags.*
Section 27-05-53 3.01D1 – Intrabuilding Ground Wire

TBB 4.1 – 7.1

- `<GND TYPE>`: BCT = Bonding Conductor for Telecommunications
- `<ROOM/TR>`: First TR listed is the closest to the core of the network.

Note: Use this tag style for all grounding and bonding connectors larger than #2 AWG

Section 27-05-53 3.01D2 – Interbuilding Ground Wire

GROUND 29-4.1 T-18

- `<GND TYPE>`: GROUND = Generic Ground Wire
- `<BGLD#>`: First building listed is the closest to the core of the network.
- `<ROOM/TR>`: Second location listed is farther from the core of the network.

Note: Use this tag style for all grounding and bonding connectors larger than #2 AWG

Definitions

- `<GND TYPE>`:
  - GROUND = Generic ground wire or ground wires used underground.
  - BCT = Bonding Conductor for Telecommunications specifically bonds the TGB to TBB, or bonds the TMGB to the electrical ground.
  - TBB = Telecommunications Bonding Backbone is a conductor that specifically interconnects all TGBs with the TMGB.
  - TBBIBC = Telecommunications Bonding Backbone Interconnecting Bonding Conductor is used specifically for when two or more vertical TBB are used within a multistory building, the TBB shall be bonded together with a TBBIBC at the top floor and at a minimum of every third floor in between.

- `<BGLD#>`:
  - Building Number. See Appendix A for list of building numbers.

- `<ROOM/TR>`:
  - If the location is a Telecommunications room, use its Telecommunications Room Designation. See Appendix A for list of TR designations.
  - If the location is an end user space, use its room number.
  - If the location is an end user space, and permanent room numbers are not yet available, then preface the construction room number with C.
  - If the location is an underground facility, use its appropriate designation. See Appendix A for list of Underground facility designations.

Note: Always label both ends of a conduit, cable or wire with identical tags.
### Section 27-05-53 3.01D3 – Ground Bar

**<GB TYPE>**
- Ground Bar Type (TGB or TMGB)

**<BGLD#>-<ROOM/TR>**
- Location of the ground bar

### Definitions

**<GB TYPE>**
- TMGB = The Telecommunications Main Grounding Busbar serves as the dedicated extension of the building grounding electrode system for the telecommunications infrastructure.
- TGB = The Telecommunications Grounding Busbar is the common central point of connection for telecommunications systems and equipment in the location served by that telecommunications room or facility.

**<BGLD#>**
- Building Number. See Appendix A for list of building numbers.

**<ROOM/TR>:**
- If the location is a Telecommunications room, use its Telecommunications Room Designation. See Appendix A for list of TR designations.
- If the location is an end user space, use its room number.
- If the location is an end user space, and permanent room numbers are not yet available, then preface the construction room number with C.
- If the location is an underground facility, use its appropriate designation. See Appendix A for list of Underground facility designations.

*Note: Always label both ends of a conduit, cable or wire with identical tags.*
### Section 27-05-53 3.01E1 – Wallfield

#### Station Cable Labels (110 Style)

<table>
<thead>
<tr>
<th>411001</th>
<th>411002</th>
<th>411003</th>
<th>411004</th>
<th>411005</th>
<th>411006</th>
</tr>
</thead>
<tbody>
<tr>
<td>411007</td>
<td>411008</td>
<td>411009</td>
<td>411010</td>
<td>411011</td>
<td>411012</td>
</tr>
</tbody>
</table>

#### Riser Cable or Entrance Protector Labels (110 Style)

<table>
<thead>
<tr>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
</tr>
</tbody>
</table>

50 Pair Cat 3 Feed To BUTE 714

<table>
<thead>
<tr>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

#### Station Cable Labels (VP360 Style)

<table>
<thead>
<tr>
<th>111001</th>
<th>111002</th>
<th>111003</th>
<th>111004</th>
<th>111005</th>
<th>111006</th>
<th>111007</th>
<th>111008</th>
</tr>
</thead>
</table>

#### Riser Cable Labels (VP360 Style)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 1-25 | BUTE TO THMA |
|----|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|

Note: Labels are made from a template provided by the campus telecommunications representative.
Section 27-05-53 3.01F1 – Patch Panel Jacks

See 3.01B3 for copper station cable label details.

Section 27-05-53 3.01G1 – Racks

RACK #1

Section 27-05-53 3.01H1 – Cabinets

Cabinets are all to be labeled TELCOM