

IT requirements for new activations/renovations

3-16-2011

To meet new security requirements, new cabling should not be terminated in the interstitials. If there is not a secure Telco closet in the area, please add one during the design phase. Below are the minimum requirements for a Telecom closet:

- 10' x 10' minimum Telco Closet.
- 1 rack, 19" x 7' standard floor mount rack, B-Line or equivalent, part #SB556084XUFB.
- 1 rack anchor installation kit, B-Line or equivalent, part #SB588A.
- 3 patch panels, Cat 6, 48 port rack mount TIA568A/B, Leviton or equivalent, part # 69586-u48-lev.
- 2 cable managers, vertical cable managers hinged cover kit, Panduit or equivalent, part # WMP45E.
- 3 Horizontal cable managers, Panduit or equivalent with cover.
- Cable Tray.
- 2 dual 15A wall outlets.
- Telco closet needs separate environmental unit.
- UPS (Manufacturer Name: APC, Manufacturer Part #SUA3000XLT.
- UPS 24X7 1 year extended warranty, Manufacturer Part #WBEXTWAR1YR-SP-04.
- L5-30 wall power outlet for the UPS.
- 4' X 8' $\frac{3}{4}$ plywood painted with flame retardant paint.
- 4 ICC 110 Wiring Blocks with Legs, 100 pair, Part Number: IC110WF100 or equivalent

New cabling should meet the following specifications:

- Quad faceplate for each data pull - 2 voice (blue) and 2 data (yellow) jacks. At least 1 Quad jack should be placed on each wall of the renovated or newly constructed rooms. Large rooms should use the same rule of thumb for the placement of data jacks as used for electrical outlets.
- All cable pulls need to be CAT6 minimum. Cable should be blue for voice and yellow for data.
- 4 CAT6 patch cables per quad outlet, various lengths.

Depending on the project, the following may be needed. Please check with IT.

- 1 Fiber cabinet enclosure x 4U rack space, 144 max density, Corning, part #CCH-04U.
- 1 Fiber cabinet enclosure connector panels x LC, single-mode, Corning, part #CCH-CP24-A9.
- 1 Fiber cabinet enclosure connector panels x LC, multi-mode, Corning, part # CCH-CP12-A8.

- Pull and install 24-strand multi-mode fiber from Telco closet to switch room in basement.
- Pull minimum 200 pair cable from new TELCO room to location designated by OI&T personnel.