LSU Telecommunication Notes to Designer

Telecom Room:

- Grounding o Grounding wire (6 AWG green)
    - Grounding Bus Bars
    - Rack must be grounded to Bus Bar
    - Building Protectors must be grounded to Bus Bar

- Building Protectors
    - Must be stub-in-stub-out type.
    - Outside gel cable MUST be sliced into house cable before Building Protector
    - Must be grounded to Grounding Bus Bar

- Relay Rack
    - Must be grounded to Grounding Bus Bar
    - Ladder tray install on top to wall
    - Must be anchored to floor
    - Fiber at top of rack. If no fiber, then leave space for LIU.

- Colored station fields o Brown: cross connect to Building Protectors o Blue: Workstation outlets (Blue Cat5e cable) o White: cross connect cables to additional Telco Room

- Patch Panel
    - Modular with Gray Jacks
    - White Cat6 cabling

- Plywood Back Board
    - ¾" thick 4' x 8' fire retardant painted white

- Electrical Outlets
    - Room must have at least one every 4 linear feet of wall. Minimum two circuits in a room. * Don't forget 208V 20A L620 receptacle.

- Room must be clean.
    - No other equipment in room without prior approval. No utilities can pass thru this room.

- Room Location:
    - Central to the building to minimize cable length.

- o Located on a public corridor
- o Key to LSU's Best "GM201" key

Conduits:

- • Make sure that the drawings have a "COMMUNICATIONS CONDUIT RISER DIAGRAM"
- • Each TR to main TR: shall have its own minimum of 2 – 4" conduits space available.
- • Entrance conduits: minimum of 4 – 4" conduits

Cables:

- • Make sure that the drawings have a "COMMUNICATIONS RISER DIAGRAM"
- • From TR to Workstation: at minimum two (2) data cables (Cat 6) and one (1) phone cable (Cat 5e). Coax as required by project.
- • All TRs will have one (1) single mode fiber cable and one (1) phone cable home run to the main TR. Strand and pair count to be determined by coordinating with LSU Information Technology representative.
- • Entrance cables will consist of one (1) single mode fiber cable and one (1) phone cable home run from the Entrance TR to the nearest service point. Strand and pair count to be determined by coordinating with LSU Information Technology representative.

Workstation Outlet:

- • Faceplate – Electrical Ivory
- • Jack Color:
  - o Voice – Electrical Ivory
  - o Data – Gray
- • Cable Color:
  - o Voice – Blue
  - o Data – White