From:	Michael Loester
Sent:	Wednesday, April 13, 2011 12:15 PM
To:	Anne Roderer
Subject:	FW: Some Useful Teledata Info

From: Michael Loester
Sent: Friday, April 30, 2010 10:24 AM
To: Dean Threatte; Mike DiProspero; Jennifer Dawson; Amy Mercurio; Heather Bonstein; Mike Sullivan
Cc: Travers Nelson; Jody Latimer; Kelley Moore Robison
Subject: Some Useful Teledata Info

All,
Greg Asman sent me the following specification language for a project that will be taking place in Maryland Hall. He pulled out pieces of our large general IT spec that were relevant for our project. While some of the information below is project specific, I thought it would be useful for everyone to have this in their files; much of this can be used or adapted for the majority of our small renovation projects.
Thanks,
Mike

From: Gregory Asman
Sent: Wednesday, April 28, 2010 4:48 PM
To: Michael Loester; Thomas Simmons
Cc: John Etheridge
Subject: JHUISI move to MD hall

Mike,

Here is some language to be used in the bid package.

2.2   Work Area Outlets

2.2.1   The Contractor shall provide and install the following work area outlets **for data cabling**, unless otherwise noted by this specification or by the drawings:
- Ortronics Clarity[6] Category 6 TracJack modules, **RED**, 8P8C, 180° exit (OR-TJ600-xx) (These are private use data jacks)

2.2.2   The Contractor shall provide and install the following work area outlets **for voice cabling**, unless otherwise noted by this specification or by the drawings:
- Ortronics Clarity[5E] Category 5e TracJack modules, fog white, 8P8C, 180° exit (OR-63750001)

2.2.4   The Contractor shall provide and install a 4-port surface mount interface box in the modular furniture if a standard faceplate is not able to be used.
- Ortronics, TracJack surface mount interface box, 4-port (OR-40400055)

2.2.5   The Contractor shall provide and install the following faceplates (except for wall phones):

- Ortronics single gang, fog white TracJack faceplates sized for six modules with blanks as needed (OR-40300545).

2.4   Horizontal Cable

2.4.1   The Contractor may provide and install Enhanced Category 5 4-pair UTP cable **for voice locations only**:
- Berk-Tek   LANmark-350 UTP, 4 pair, non-plenum, white

2.4.2   The Contractor shall provide and install Category 6 4-pair UTP cable (***RED for these internal data cables, white for voice cables***):
- Berk-Tek LANmark-2000 UTP, 4 pair, (Use RED cable if possible)

- All horizontal cable shall to be installed per manufacturer instructions to ensure a Berk-Tek LANmark-350 /Ortronics *NetClear^{GT}* solution.

The Contractor shall install plenum-rated cable of the same product where required.

2.4.4   Horizontal cables shall be secured using Velcro cable ties. Plastic or metal cable ties shall not be used on horizontal cable.

2.5   Network Rooms

2.5.1   General Specifications

2.5.1.2   Plastic or metal cable ties shall not be used in the network rooms, except when securing OSP-rated cables or high pair count Cat-3 copper riser cables. Velcro cable ties shall be used. The contractor will have to remove existing cabling, blocks and equipment that is in the way of the installation of new phone and data equipment.

2.5.3   Racks

2.5.3.1   The contractor shall provide 1 Mighty Mo 6 to be mounted in the closet with vertical side management

2.5.3.1   The Contractor shall provide one 7-foot open rack next to the 303 floor Network room Md hall.
- 1 Ortronics Might Mo 6 rack, 19" rails, 16.25" channel depth

2.5.3.2   The Contractor shall provide rack-mounted vertical and horizontal cable management.
- Ortronics Cable Management Panels (OR-MM6HMF2RU) (1 in between each copper and fiber patch panels)

- Ortronics MM6 Vertical cable management "cage", with door – 2 per rack 6" x 8" x7" (OR-MM6VMD706)

2.5.3.3   The Contractor shall provide and install a horizontal grounding busbar on the rack.
- Ortronics Grounding Strip (OR-808004551)

- Copper busbar for 19" rack, horizontal mount, pre-drilled holes, threaded or unthreaded, rack-mounted

- Gounding to the nearest ground location.

2.5.4   Horizontal Cable Rack Terminations

2.5.4.1   The Contractor shall provide and install Category 6 modular patch panels, as shown on the attached drawings.
- Ortronics Clarity^{6} Category 6 Patch Panels, 48 port, 8 port modules (OR-PHD68U48)

2.5.5   **Optical Fiber Rack Terminations**

2.5.5.1   The contractor shall install 12 strand single mode fiber from Maryland Hall Rm 303 Floor network closet to the basement room B29I data room.
- 1 Corning Predium fiber housing (PCH_01U) installed in the 303 room data closet.
- Use existing CCH-04U housing in B29I

2.5.5.2   The Contractor shall provide and install dual SC connector panels/plates.
- Corning adapter panels are SC duplex single mode adapter panels as needed

2.5.5.3   The Contractor shall provide and install single mode fiber jumpers from room 303 to the new rack installed next door.
- Install 6 single mode fiber jumper, labeled and coiled at the top of the new rack from room 303.

2.5.6   **Voice Wall Termination Fields**

2.5.6.1   The Contractor shall provide and install new 110-style wall blocks as needed for the work or use existing if available.
- Ortronics Category 5e 110 Wiring Blocks with Legs (100 pair- OR-30200145; 300 pair- OR-3020007)

2.5.6.2   The Contractors shall provide and install 110 cable management per JHU telecommunications.
- Ortronics 110 Jumper Trough with legs (OR-30200140)

2.5.6.4   The Contractor shall provide and install connector blocks and designation labels of the type recommended by the manufacturer for the 110-style termination blocks installed.

2.5.9   **Copper Patch Cords**

2.5.9.2   The Contractor shall provide one Category 6 patch cord for each port terminated on the patch panels.
- Ortronics Clarity[6] Modular Cord Category 6, green, 5ft (OR-MC605-05)

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