CD DESIGN RELEASE PACKAGE 4 - ADDENDUM 01

PROJECT: SBC No. 166/005-08-2013 CM | MHM No. 15035 ETSU Fine Arts Classroom Building
DATE: December 21, 2017

Addendum 01 forms a part of CD Design Release Package 4 and modifies the original drawings and specifications issued on December 1, 2017.

DRAWINGS:

1. Unless noted otherwise, replace the following sheets with the attached updated sheets.
2. G001-D: Updated revision summary.
4. A201: Revised Orchestra Pit RCP to show duct liner board.
5. A212: Revised Orchestra Pit RCP to show duct liner board.
7. A221: Added note to ductwork at scene shop. Revised Auditorium clouds.
10. A463: Revised speaker detail to clarify scope.
11. A605: Revised sill and cavity flashing details and notes.
   Added 3D detail of proscenium reveal terminations. Revised Acoustic Panel colors.
15. A814: Updated wall finish notes.
18. A817.1: Updated Acoustic Panel colors, titles, and elevation reference numbers for SLL 207A/B/C/D. Revised Acoustic panel colors for SLL 102A & 102B.
22. A841: Added note to clarify lobby monitor scope.
24. A900: Updated finish schedule; wall paint colors, acoustic panel colors, and ceiling treatment in Percussion Rehearsal.
25. A901: Revised flooring color selection.
27. A920: Updated finish elevations of Recital Hall.
28. Refer to FSC list attached to this summary.

SPECIFICATIONS AND NARRATIVES:
1. Refer to FSC list attached to this summary.

END OF ADDENDUM 01
ADDENDUM NUMBER 1
ETSU Fine Arts Classroom Building
Design Release Package 4
Johnson City, Tennessee
December 21, 2017

Changes/Modifications to the Drawings and Specifications:

Electrical

1. Refer to Specification Section 27.01.00 – REFERENCE STANDARDS. Refer to Part 1 – GENERAL, 1.02 REFERENCE STANDARDS. Replace paragraph "B." with the following:

2. Refer to attached revised Specification Section 27.05.28 – TELECOMMUNICATIONS OUTSIDE PLANT (OSP).

3. Refer to attached revised Specification Section 27.05.29 – HANGARS AND SUPPORT.

4. Refer to attached revised Specification Section 27.11.10 – TELECOMMUNICATIONS SPACES.

5. Refer to Specification Section 27.15.00 – VOICE AND NETWORK HORIZONTAL CABLING SYSTEM.
   a. Refer to Part 1 – GENERAL, 1.01 DESCRIPTION. In paragraph "A", remove references to Belden and Hitachi as acceptable manufacturers.
   b. Refer to Part 2 – PRODUCTS, 2.01 MATERIALS. If paragraph "G", change pair count for CAT 3 UTP riser cable to be 25 pair in lieu of 50 pair.

6. Refer to Specification Section 27.15.33 – COAX HORIZONTAL CABLE. Refer to Part 2 – PRODUCTS, 2.01 MATERIALS. Refer to paragraph "F" Riser Coax Installation. Add new item number "4.", which shall read as follows:
   Coax Female to Female Adaptor shall be Gilbert G-CH-BAFF-KS-KS.

7. Refer to Specification Section 27.41.00 – PERFORMANCE AUDIO & VIDEO SYSTEMS. Add new paragraph 1.02 – REFERENCE STANDARDS. Add the following sub-paragraphs under 1.02:
   A. BICSI
   B. INFOCOMM

9. Refer to attached new drawing sheets FA215 and T231.

THIS ADDENDUM SHALL BECOME A PART OF THE PROJECT MANUAL AND HAVE FULL EFFECT AS IF SUBMITTED WITH THE ORIGINAL DOCUMENTS.

12/21/2017
By: NATHAN A. BROWN
Facility Systems Consultants, LLC

NATHAN A. BROWN
STATE OF TENNESSEE
SECTION 27.05.28
TELECOMMUNICATIONS OUTSIDE PLANT (OSP)

PART 1 - GENERAL

1.01 DESCRIPTION
A. Furnish and install telecommunications outside plant (OSP) facilities as indicated on drawings and set forth hereinafter.

1.02 REFERENCE STANDARDS
A. See section 27.01.00 REFERENCE STANDARDS.
D. ETSU Communications Infrastructure Standard (CIS) policy 500.2, September 11, 2017.

PART 2 - PRODUCTS

2.01 MATERIALS
A. Inner Duct: MaxCell 3x3 (MXD3456), locatable and metallically detectable for OSP, with color ID.
B. Fiber Optic OSP Cable: Single Mode – Corning Altos OS2 XXXEU4-T4701D20 (black); Multimode (50um) - Corning Altos OM3 XXXTU4-T4780D20 (black); Multimode (62.5um) Corning Altos OM1 XXXKU4-T4730D20 (black); XXX=strand count. Equivalent cables by CommScope are also approved for use.
C. Connectors and housings to be compatible with fiber chosen. For Connectors use Hubbell Proclick SC or Corning Uni-Cam SC type. SM = Hubbell FCSC900KSM or Corning 95-200-41, blue. 50um MM = Hubbell FCS900K50M or Corning 95-050-41, black. 62.5um MM = Hubbell FCS900K62M or Corning 95-000-41, beige. For SC Bulkhead housings use Hubbell or Corning to match connectors, Hubbell FSPSCD series or Corning CCH series as applicable.
D. Copper OSP Cable: 50 Pair PE89 BSW (Buried Service Wire) Phone Cable-as manufactured by Essex or General Cable.
E. UTP Protectors for CAT3 shall be Circa 1880 series, 110 block, 5 pin moduls 4BIS-300. CAT5E shall be Linx CAT5e-75.
F. Handholes - Handhole lids shall be traffic rated (AASHTO H-20) with "Communications" logo on cover of lid. See ETSU CIS and ITS Design and Installation Guidelines for more information.

PART 3 - EXECUTION

3.01 INSTALLATION
A. Provide two (2) 3x3 "MaxCell” innerducts in each of the 4” conduits entering building from OSP system. Within conduits over 1” not filled with MaxCell, install 3/8” nylon rope with a pull rating of 200lb or more. Conduits 1” or less, fill with polyline (Greenlee 430). Each MaxCell is to have different color ID marking and shall be locatable. The use of flexible plastic innerduct shall not be permitted.
B. The use of 90-degree bends shall be prohibited for OSP conduits. Long communications sweeps shall be utilized where conduit turns are required. Use Schedule 80 PVC, under sidewalks, driveways, etc.
Use Schedule 40 PVC somewhere underground. Use GRS conduit where exposed on exterior. Conduit to be free of water and debris throughout. Provide caps on ends.

C. OSP conduits shall be marked with Detectable Warning Tape, CH Hansen 16626 or equal.

D. Handholes (HH) shall be 36"W x 60"L x 36"D minimum size, with open bottom (on top of 4" rack). Seal conduits at each HH to keep moisture, insects, and rodents out of building. Conduits entering building must be sloped. All Handholes where fiber splices are made shall be 36"W x 72"L x 36"D minimum. Use Quazite PG style with pull slot center pins, lid shall be labeled “COMMUNICATIONS”.

E. All OSP cabling shall be installed in neat and workmanlike manner. Cabling to be routed and secured around edges of HH to create additional space for future cabling.

F. Provide 50 foot maintenance loop for fiber optic lines and 25 foot for copper lines in all HH. Service loops to side of HH.

G. Label all OSP cabling as follows:
   1. "Caution Fiber Optic" adhesive marker every HH. Label to include SM and MM fiber count and "to and from".
   2. "Caution Fiber Optic" adhesive marker every 50' of exposed fiber in building (including in cable tray). Label to include SM and MM fiber count and "to and from".
   3. OSP UTP cables shall be labeled with permanent, neat penmanship in every HH with "to and from".

H. Prior to backfill, contractor shall arrange for inspection of OSP installation with ETSU ITS Department.

I. Prior to commencing with work, a pre-construction meeting will be held between the contractor’s telecommunications cabling installer and appropriate representatives of the ETSU Physical Plant, ITS Department. Installation requirements shall be carefully discussed at the pre-construction meeting. Discrepancies between contract documents and pre-construction meeting shall be called to the attention of Project Engineer immediately prior to commencing with any telecommunications installation work.

J. All conduit shall be installed such that the top of the conduit is a minimum of 24” below grade.

END OF SECTION 27.05.28
PART 1 - GENERAL

1.01 SCOPE OF WORK
A. Furnish and install a system of cabling supports above lay-in ceilings for network, voice, CATV, and A/V cabling as set forth hereinafter.

1.02 REFERENCE STANDARDS
A. See SECTION 27.01.00 REFERENCE STANDARDS

PART 2 - PRODUCTS

2.01 MATERIALS
A. J-hooks shall be utilized above lay-in ceilings in individual rooms downstream of the cable tray for support of low-voltage cabling. J-hooks shall be as follows:
   1. Use Panduit J-Pro Series non-metallic J-hooks for all horizontal cabling from outlet to cable tray. Steel J-hooks shall not be used.
B. Cabling support shall be located 4' to 5' on center throughout the entire length of network, CATV, and A/V cabling runs above ceiling, once cable leaves cable tray. Provide separate sets of low-voltage cabling supports along entire length of low-voltage cabling runs above ceiling to allow separation of network cabling and A/V cabling. Network cabling shall be installed in separate J-hook/Conduit, Cable Tray support system from A/V cabling. Locate supports well clear of acoustical lay-in ceiling tiles. Supports shall be located such that tiles can be removed without interfering with support system. J-hook supports shall be secured directly to metal wall studs or masonry walls, as applicable. J-hooks shall not be attached directly to gyp-board walls. J-hooks shall be located no further apart than 5’0” on center along entire length of runs, with supports adjusted to be closer together as needed to attach to metal studs. A maximum of 8 Category 6 cables shall be installed per J-hook.
C. Provide cable tray as listed in ETSU CIS throughout corridor areas of the building for support of horizontal cabling runs originating in IDF communications rooms. 18” wide x 4” deep with trapeze type hangers 8 foot on center.
D. Provide all necessary supports and attachments to allow connection to structure for these supports. Provide all necessary conduits, raceways, cable trays, sleeves, etc. as necessary for the installation.

PART 3 - EXECUTION

3.01 INSTALLATION
A. Entire installation shall be in accordance with manufacturer’s recommendations.
B. Cable tray shall be installed per manufacturer’s recommendations and shall be grounded. Cable tray shall be used for both CAT 6 and CATV cabling.
C. Provide two separate sets of low-voltage cabling supports along entire length of low-voltage cabling runs above ceiling for data cabling and A/V wiring. One set of supports shall be of Category 6 network wiring. The second set of supports shall be for A/V wiring. Locate supports well clear of acoustical lay-in ceiling tiles. Supports shall be located such that tiles can be removed without interfering with support system.
D. Coordinate installation of low-voltage supports with other trades as required.

END OF SECTION 27.05.29
SECTION 27.11.10
TELECOMMUNICATIONS SPACES

PART 1 – GENERAL

1.01 DESCRIPTION
   A. Telecommunications spaces shall be provided as indicated on drawings and as called for hereinafter. Telecommunications spaces shall consist of equipment rooms (ER).

1.02 REFERENCE STANDARDS
   A. See section 27.01.00 for standards.

PART 2 - PRODUCTS

2.01 MATERIALS
   A. ER layouts shall include network racks, vertical wire management, cable trays, and associated facilities. Each ER shall include, but not be limited to, the following equipment:
      1. Equipment Racks in Main IT/MDF Room shall be Hubbell No. CS1976, 84" x 19" with VS86 6" Z channel vertical wire management or equivalent. Provide a Hubbell RKTGB grounding bus bar in each equipment room. Provide a Hubbell MCCPSS19TS surge protected power strip for each network rack. Provide cable management components at each rack including Hubbell HM14C (2 per patch panel) horizontal management, Hubbell MCCPSR4 cable management rings, and Hubbell 110RA cable management troughs. Provide Hubbell MCCC19P equipment shelves. Provide Chatsworth 10605-019 rack base insulator kit.
      2. Equipment Racks in TR/IDF Rooms shall be Hubbell No. HPW96RR19, 96" x 19" with (2) VS86 6" Z channel vertical wire management or equivalent. Provide a Hubbell RKTGB grounding bus bar in each equipment room. Provide a Hubbell MCCPSS19TS surge protected power strip for each relay rack. Provide cable management components at each rack including Hubbell HM14C (2 per patch panel) horizontal management, Hubbell MCCPSR4 cable management rings, and Hubbell 110RA cable management troughs. Provide Hubbell MCCC19P equipment shelves. Provide Chatsworth 10605-019 rack base insulator kit.
      4. Cable Ladder Tray: In each ER room, provide 18" wide cable tray around room and to each rack. Cable tray shall be Hubbell Next Frame 18" "HL" Series or Cooper B-Line SB17U18B.
      5. Telecom Backboards: In all ER/TR/IDF Rooms use ReadySPEC, U-TECK Woodbacker type. Install on all perimeter walls.
      6. All fiber, OSP, and Riser cables shall be fully terminated.

PART 3 - EXECUTION

3.01 INSTALLATION
   A. Furnish and install at each ER location a grounding conductor from grounding bus in local ER Room AC panelboard to grounding bus bar mentioned in 2.01, A, Materials. Grounding conductors shall be copper, with "THHN/THWN" insulation, with green tape marking to indicate grounding conductor. Refer to drawings for grounding conductor sizes. Grounding and bonding shall be in accordance with BICSI TDMM current edition, Chapter 8, and NFPA 70.
   B. Before any terminations and installation of equipment, the ER must be in finished stage, free of dust and debris with all walls and ceilings painted to finish coats and finished flooring installed and treated. After terminations and equipment are installed, contractor shall keep ER room door closed and locked at all times.
END OF SECTION 27.11.10
CONSTRUCTION DOCUMENTS

PAINTED STEEL CATWALK, WITH DRY FALL COLD FORMED STL FRAMING. REFER TO SPECIFICATIONS FOR CEILING CLOUD HANG CEILING CLOUDS 1" MTL CHANNELS - FRAMING REQUIREMENTS. PAINT PER FROM STRUCTURAL DECK SEE STRUCT.

AUD. CATWALK LOW 32'-0" SPECIFICATIONS FOR CEILING CLOUD FRAMING REQUIREMENTS. PAINT PER ALUM TRIM BY WD FINISH SCHEDULE VENEER WC MFR McCARTY 9" TO STL CHANNELS +/- 3/4" APPLICABLE - SEE RCP OUTSIDE EDGES OF CATWALK (2) LAYER 5/8" GYP BD - ALONG EDGES TO FLUSH W/ TOP OF STUD FRAME 2'-0" PER RCP 1 1/2" = 1'-0"

KNOXVILLE, TENNESSEE  37902

CONTACT:
TELEPHONE: (865) 544-2000 (865) 544-0402
INTERNET: mhminc.com

PROJECT INFORMATION
CONTRACT: SBC-166/005-08-2013 CM ETSU FINE ARTS

BUILDING DESIGN RELEASE PACKAGE 4 RCP DETAILS

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DO NOT Contractor shall check and verify all dimensions and conditions at job site.
### Construction Documents

<table>
<thead>
<tr>
<th>Key Name</th>
<th>Material Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC</td>
<td>POLISHED CONCRETE</td>
</tr>
<tr>
<td>PCT</td>
<td>PRE CAST TREAD CEMENTITIOUS TREAD RISERS, PRE CAST, TERAZZO LOOK</td>
</tr>
<tr>
<td>LSAPLE</td>
<td></td>
</tr>
<tr>
<td>101D</td>
<td>VESTIBULE TZO, WOC RB - PT 2 PT 2 PT 2 PT 2 WS-2 PT 7 13 WDWC, AD</td>
</tr>
<tr>
<td>102A</td>
<td>SLL CPT 2 RB PT 6 PT 6, AP 3 PT 6, AP 3 PT 6, AP 3 ACT 3 1</td>
</tr>
<tr>
<td>103 STUDIO THEATER</td>
<td>PT-10 RB PT 6 PT 5, AP, AD PT 5, AP, AD PT 5, AP, AD WDWC, DFP 2 DRY FALL PAINT SHERWIN WILLIAMS, SW7007 color: Ceiling Bright White (EXPOSED STRUCTURE U.N.O.)</td>
</tr>
<tr>
<td>103B</td>
<td>SLL CPT 2 RB PT 6 PT 6, AP 3 PT 6, AP 3 PT 6, AP 3 PT 6, AP 3 ACT 3 1</td>
</tr>
<tr>
<td>WOC WALK-OFF CARPET</td>
<td>3M, NOMAD ENTRANCE MATS, PRODUCT: #8150, COLOR: BLACK</td>
</tr>
<tr>
<td>15035</td>
<td>PWB PORCELAIN WALL BASE GIO TILE, STYLE: VERVE, COLOR: GREY</td>
</tr>
<tr>
<td>1510</td>
<td>VRB VENTED RUBBER BASE JOHNSONITE, 4&quot; STANDARD VENTED RUBBER BASE, COLOR: BURNT UMBER</td>
</tr>
</tbody>
</table>

### Wall Finishes

- **FoH Storage SC RB PT 6 PT 2 PT 2 PT 2 PT 2 OPEN**
- **Elec SC RB PT 6 - - - - OPEN 4**
- **Studio Theater PT-10 RB PT 6 PT 5, AP, AD PT 5, AP, AD PT 5, AP, AD WDWC, DFP 2 DRY FALL PAINT SHERWIN WILLIAMS, SW7007 color: Ceiling Bright White (EXPOSED STRUCTURE U.N.O.)**
- **Bathroom PFT - PT 6 PWT 2 PT 3 PT 3 PT 3 ACT 6 31**
- **Bathroom PFT - PT 6 PT 3 PT 3 CWT 2 PT 3 ACT 6 31**
- **Facility Manager CPT 1 RB PT 6 PT 2, AP 1 PT 2, AP 1 PT 2, AP 1 PT 2, AP 1 WS-1 ACT 1**
- **Marketing Director CPT 1 RB PT 6 PT 2, AP 1 PT 2, AP 1 PT 2, AP 1 PT 2, AP 1 WS-1 ACT 1**
- **FoH Storage SC RB PT 6 SSTL PT 2 PT 2 SSTL OPEN**
- **Bathroom PFT - PT 6 PWT 2 PT 3 PT 3 PT 3 ACT 6 31**
- **Stage and Wings PWF RB PT 6 PT 5 PT 5 FWC PT 5 OPEN, DFP, PT 14, 22, 25**
- **Stage Apron PWF - PT 6 PT 5, FWC PT 5, WDWC FWC WDWC FWC FWC, DFP, OPEN, WDWC 14, 18, 19, 20, 22, 23**
- **Percussion Rehearsal SC RB PT 6, AP, AD PT 2, AP, AD PT 2, AP, AD PT 2, AP, AD PT 2, AP, AD WS-1 DFP2, ACT 3 3**
- **Main Electrical SC - PT 6 - - - - OPEN 4**
- **Dressing Room LVT RB PT 6 PT 1 PT 1 PT 1 PT 1 PLAM 2 PLAM 1 ACT 1**
- **Dressing Room LVT RB PT 6 PT 1 PT 1 PT 1 PT 1 ACT 1**
- **Green Room CPT 1 RB PT 6 PT 3/AP 3 PT 3/AP 3 PT 3 PT 3/CWT 2/AP 3 PLAM 2 PLAM 1 ACT 3 1, 6**
- **Green Room CPT 1 RB PT 6 PT 3, CWT 2, AP 3 PT 3/AP 3 PT 3 PT 3/AP 3 PLAM 2 PLAM 1 ACT 3 1, 6**
- **Dressing Room LVT RB PT 6 PT 1 PT 1 PT 1 PT 1 ACT 1**
- **Dressing Room LVT RB PT 6 PT 1 PT 1 PT 1 PT 1 ACT 1**
- **Green Room CPT 1 RB PT 6 PT 3, CWT 2, AP 3 PT 3/AP 3 PT 3 PT 3/AP 3 PLAM 2 PLAM 1 ACT 3 1, 6**

### Millwork Finishes

- **Theatre Office CPT 1 RB PT 6 PT 2, AP 1 PT 2, AP 1 PT 2, AP 1 PT 2, AP 1 WS-1 ACT 1**
- **Music Office CPT 1 RB PT 6 PT 1 PT 1 PT 1, AP PT 1, AP WS-1 ACT 4 2, 6**
- **Scene Shop Tools SC RB PT 6 PT 2 PT 2 PT 2 PT 2 OPEN**
- **Laundry SC RB PT 6 PT 2 PT 2 PT 2 PT 2 ACT 1**
- **Dye Room SC RB PT 6 SSTL PT 2 PT 2 SSTL OPEN**

### Material Code

- **#**
- **#**
- **#**
- **#**
- **#**
- **#**
- **2” DUCT LINER BOARD, 100% COVERAGE AT UNDERSIDE OF ROOF DECK.**
- **Mineral Wool Batt Insulation, 8 mil Black Polyethylene Sheets w/ all joints taped.**
- **Fabric Wrapped Acoustic Wall Panel - See Interior Elevations for layout**
- **(NOTE: NOT ALL SHOWN)**

### Distribution Plans

- **5.**
- **6.**
- **7.**
- **2” Duct Liner Board, 100% Coverage at Underside of Roof Deck.**
- **Mineral Wool Batt Insulation, 8 mil Black Polyethylene Sheets w/ all joints taped.**
- **Fabric Wrapped Acoustic Wall Panel - See Interior Elevations for layout**
- **(NOTE: NOT ALL SHOWN)**

### Revision Information

- **No. Date Description**
- **25. Painted 2 Layers of Gyp Soffits Painted Black Below Catwalks in Addition to Black Dry Fall Painted Structure - See**
- **26. LVT Flooring at Main Central Cross Aisle, Front Cross Aisle at Pit, Two Side Parterres - See Floor Pattern Plan**
- **27. Same Acoustically Transparent Fabric Wall Covering Applied on Plaster Walls at Proscenium Jambs - Paint Walls**
- **28. Parts of Wall to Receive Real Wood Veneer Wallcovering with Clear Anodized Reveals and Corner Trims - See**
- **29. 2” Duct Liner Board, 100% Coverage at Underside of Roof Deck.**
- **Mineral Wool Batt Insulation, 8 mil Black Polyethylene Sheets w/ all Joints Taped.**
- **Fabric Wrapped Acoustic Wall Panel - See Interior Elevations for layout**
- **(NOTE: NOT ALL SHOWN)**

### Distribution Plans

- **5.**
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- **2” Duct Liner Board, 100% Coverage at Underside of Roof Deck.**
- **Mineral Wool Batt Insulation, 8 mil Black Polyethylene Sheets w/ all joints taped.**
- **Fabric Wrapped Acoustic Wall Panel - See Interior Elevations for layout**
- **(NOTE: NOT ALL SHOWN)**
No. Date Description
1 12/21/17 Addendum 1

GENERAL NOTES:
1. FOR ALL DEVICE BOXES WALL MOUNTED IN PERFORMANCE SPACES, INSTALL EITHER FIRESTOP PUTTY PADS IN RATED WALLS OR SOUND DAMPENING PUTTY PADS IN NON-RATED WALLS. FIRESTOP PUTTY PADS SHALL BE 3M OR HILTI CP617. SOUND DAMPENING PUTTY PADS SHALL BE PABCO GYPSUM QUIET PUTTY 380.
1. FOR ALL DEVICE BOXES WALL MOUNTED IN AUDITORIUM PERFORMANCE SPACES, INSTALL EITHER FIRESTOP PUTTY PADS IN RATED WALLS OR SOUND DAMPENING PUTTY PADS SHALL BE PABCO GYPSUM QUIET PUTTY 380.
COMMUNICATIONS / A/V LEGEND

SYMBOL:

PROVIDE BUSHING ON OPEN END OF CONDUIT. MTD 18" AFF, UNO. STUB UP 12" ABOVE CEILING. EXTEND (2) CAT6 TO MCCARTY RACK UNLESS NOTED OTHERWISE. "3" INDICATES NUMBER OF CABLES WHERE MORE THAN TWO. YELLOW JACKS FOR SAMPLE SPECIAL PURPOSE. COMBINATION PHONE AND DATA OUTLET. PROVIDE 4" SQUARE BOX WITH SINGLE GANG DEVICE RING. STUB 1" CONDUIT WITH PULLSTRING FROM BOX TO LOCATION ABOVE ACCESSIBLE CEILING AS INDICATED ON DRAWINGS. PROVIDE AMP 3.7 FLOOR BOX, USE HUBBELL SYSTEM ONE (SEE MAIN LEGEND), PROVIDE DUPLEX RECEPTACLE AND APPROPRIATE BRACKETS FOR DATA JACKS. SINGLE BOX IS SHOWN ON BOTH PLANS FOR WIRING & INTERIOR AV DESIGNER 96315035.

CARD READER, +48" AFF. STUB 1/2" CONDUIT TO DOOR JAMB FOR ACCESS CONTROL WIRING; SEE TYPICAL. EQUIPMENT. CCTV CAMERA, WALL OR CEILING MOUNT AS REQUIRED; PROVIDE CAT6 BACK TO RACK. INSTALL 3/4" CONDUIT TO NEARSET CABLETRAY. TERMINATE ONE CAT6 IN BOX WITH FLAT PLATE ABOVE CEILING OR ON ADJACENT WALL IF EXPOSED. AT OUTDOOR LOCATIONS TERMINATE CABLE ABOVE CEILING INDOORS AND PROVIDE SLEEVE TO WALL MOUNTED TV OUTLET WITH ONE RG6 AND (2) CAT6 TO IT ROOM, 60" AFF UNO, 1 1/4" EMT CONDUIT, 4 11/16" SQUARE BOX, 2 1/8" DEEP, 1G DEVICES RUNG.

AV EQUIPMENT TECH POWER PANEL. ALL AV EQUIPMENT POWER TO COME FROM AVTP PANELS VIA SEQUENCING RELAY PANEL.

DIVISION 27 CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING, JACKS, TERMINATIONS, RACKS, IT ROOM LADDER & CABLE TRAY. TERMINATE ONE CAT6 IN BOX WITH FLAT PLATE ABOVE CEILING OR ON ADJACENT WALL IF EXPOSED. AT OUTDOOR LOCATIONS TERMINATE CABLE ABOVE CEILING INDOORS AND PROVIDE SLEEVE TO WALL MOUNTED TV OUTLET WITH ONE RG6 AND (2) CAT6 TO IT ROOM, 60" AFF UNO, 1 1/4" EMT CONDUIT, 4 11/16" SQUARE BOX, 2 1/8" DEEP, 1G DEVICES RUNG.

AV EQUIPMENT TECH POWER PANEL. ALL AV EQUIPMENT POWER TO COME FROM AVTP PANELS VIA SEQUENCING RELAY PANEL.

COMMUNICATIONS AND A/V - GENERAL NOTES

DIVISION 26 ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ROUGH-IN INCLUDING CONDUIT, BOXES, FLOOR METALLIC VOLTAGE BARRIERS SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR WHEN RECEPTACLE AND LOW VOLTAGE CABLING ARE IN THE SAME BACKBOX. PROVIDE APPROPRIATE NYLON PULLSTRING/ROPE IN ALL EMPTY CONDUITS.

CONSULTANT INFORMATION

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GENERAL NOTES:

1. ALL DATA PORTS LABELED “AV” SHALL BE INSTALLED IN AVI BACKBOX BY DATA CONTRACTOR: BACKBOX FURNISHED BY A/V CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR; DATA CABLE, JACKS AND TERMINATORS BY DATA CONTRACTOR, TYPICAL.

2. ALL RECEPTACLES LABELED “AV” SHALL BE INSTALLED IN BACKBOX BY ELECTRICAL CONTRACTOR; BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

3. ALL AV POWER CIRCUITS SHALL BE ISOLATED GROUND (IG) WITH IG DEVICES AND SEPERATE IG CONDUCTOR.

4. FOR ALL DEVICE BOXES WALL MOUNTED IN PERFORMANCE SPACES, INSTALL EITHER FIRESTOP PUTTY PADS IN RATED WALLS OR SOUND DAMPENING PUTTY PADS IN NON-RATED WALLS. FIRESTOP PUTTY PADS SHALL BE 3M OR HILTI CP617. SOUND DAMPENING PUTTY PADS SHALL BE PABCO GYPSUM QUIET PUTTY 380.
GENERAL NOTES:

1. FOR ALL DATA PORTS EXTEND CONDUIT TO CABLETRAY, TYPICAL. SOME EXTENSIONS NOT SHOWN FOR CLARITY.

2. FOR ALL DEVICE BOXES WALL MOUNTED IN PERFORMANCE SPACES, INSTALL EITHER FIRESTOP PUTTY PADS IN RATED WALLS OR SOUND DAMPENING PUTTY PADS IN NON-RATED WALLS. FIRESTOP PUTTY PADS SHALL BE 3M OR HILTI CP617. SOUND DAMPENING PUTTY PADS SHALL BE PABCO GYPSUM QUITE PUTTY 380.
ETSU FINE ARTS CLASSROOM

BUILDING DESIGN

TO A/V RACK "ZA"

RELEASE PACKAGE 4

AVTP-A-44

1320 W STATE OF FRANKLIN ROAD
JOHNSON CITY, TENNESSEE  37614

ACTIVE DESIGN PHASE

SCHEMATIC DESIGN

DESIGN DEVELOPMENT

REDI-CHECK

CONSTRUCTION BIDDING PHASE

CONSTRUCTION DOCUMENTS

AS-BUILT RECORDS

SEAL:

AUDITORIUM GRIDIRON A/V PLAN

1/8" = 1'-0"

T231

Do scale drawings, use given dimensions only.

Contractor shall check and verify all dimensions and

codes official review.

GENERAL NOTES:

1. ALL DATA PORTS LABELED "AV" SHALL BE INSTALLED IN AVI BACKBOX BY DATA CONTRACTOR; BACKBOX FURNISHED BY A/V CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR; DATA CABLE, JACKS AND TERMINATORS BY DATA CONTRACTOR, TYPICAL.

2. ALL RECEPTACLES LABELED "AV" SHALL BE INSTALLED IN BACKBOX BY ELECTRICAL CONTRACTOR; BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL AV POWER CIRCUITS SHALL BE ISOLATED GROUND (IG) WITH IG DEVICES AND SEPARATE IG CONDUCTOR.

3. FOR ALL DEVICE BOXES WALL MOUNTED IN PERFORMANCE SPACES, INSTALL EITHER FIRESTOP PUTTY PADS IN RATED WALLS OR SOUND DAMPENING PUTTY PADS IN NON-RATED WALLS. FIRESTOP PUTTY PADS SHALL BE 3M OR HILTI CP617. SOUND DAMPENING PUTTY PADS SHALL BE PABCO GYPSUM QUIET PUTTY 380.

4. FIRE WALL RATED CABLE PASS, (3) 4"x4" CELLS; HILTI #653 4" OR EQUAL BY 3M OR STI. AND THROUGH WALL. 8" DIA. ALUMINUM PIPE, KELLY-BEUWAY. 8" ROUND CABLE PASS-THRU WALL TO 8" LONG BLOCK-OUT WITH COVERS.

5. EXTERIOR CABLE PASS, NON-RATED 10" CABLE TRAY FOR TECH CABLES, WALL MOUNTED; LEGRAND CABLOFIL #WSDT-10-04-04-12-06.

6. CABLE TRAY FOR TECH CABLES, CEILING MOUNTED; LEGRAND CABLOFIL #CS-10-03-12-06.

REFERENCE NOTES:

1. FIRE WALL RATED CABLE PASS, (3) 4"x4" CELLS; HILTI #653 4" OR EQUAL BY 3M OR STI. AND THROUGH WALL. 8" DIA. ALUMINUM PIPE, KELLY-BEUWAY. 8" ROUND CABLE PASS-THRU WALL TO 8" LONG BLOCK-OUT WITH COVERS.

2. EXTERIOR CABLE PASS, NON-RATED 10" CABLE TRAY FOR TECH CABLES, WALL MOUNTED; LEGRAND CABLOFIL #WSDT-10-04-04-12-06.

3. CABLE TRAY FOR TECH CABLES, CEILING MOUNTED; LEGRAND CABLOFIL #CS-10-03-12-06.

DRAWING INFORMATION

DRAWN BY: KMP

DRAWING TITLE: AUDITORIUM CATWALK LEVEL A/V PLAN

DRAWING NO: 12/21/2017 7:40:41 PM

SCALE GUIDE: 1/8" = 1'-0"

REFERENCE NOTES:

1. ALL DATA PORTS LABELED "AV" SHALL BE INSTALLED IN AVI BACKBOX BY DATA CONTRACTOR; BACKBOX FURNISHED BY A/V CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR; DATA CABLE, JACKS AND TERMINATORS BY DATA CONTRACTOR, TYPICAL.

2. ALL RECEPTACLES LABELED "AV" SHALL BE INSTALLED IN BACKBOX BY ELECTRICAL CONTRACTOR; BACKBOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL AV POWER CIRCUITS SHALL BE ISOLATED GROUND (IG) WITH IG DEVICES AND SEPARATE IG CONDUCTOR.

3. FOR ALL DEVICE BOXES WALL MOUNTED IN PERFORMANCE SPACES, INSTALL EITHER FIRESTOP PUTTY PADS IN RATED WALLS OR SOUND DAMPENING PUTTY PADS IN NON-RATED WALLS. FIRESTOP PUTTY PADS SHALL BE 3M OR HILTI CP617. SOUND DAMPENING PUTTY PADS SHALL BE PABCO GYPSUM QUIET PUTTY 380.

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3. CABLE TRAY FOR TECH CABLES, CEILING MOUNTED; LEGRAND CABLOFIL #CS-10-03-12-06.
AS NOTED

DO NOT scale drawings, use given dimensions only.

If not shown, verify correct dimension with ARCHITECT.

Contractor shall check and verify all dimensions and conditions at job site.

KNOXVILLE, TENNESSEE 37902
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550 W. MAIN STREET, SUITE 300

ETSU FINE ARTS
CLASSROOM BUILDING DESIGN
RELEASE PACKAGE 4
1320 W STATE OF FRANKLIN ROAD
JOHNSON CITY, TENNESSEE 37614

12/21/17
Addendum 1

JAC NB

COMMUNICATIONS FIBER PATH
Detailed drawing of a bridge site plan and detail section, labeled "Bridge Site Plan - Communications." Additional annotations and specifications are present throughout the drawing.