



8 April 2014

**ADDENDUM #3**

*(Total of 8 pages)*

**Addition and Renovations to  
Eastern West Virginia Community & Technical College  
Moorefield, West Virginia**

**RFB 14101**

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The following items are clarifications and/or changes to the scope of the work and shall be included in the contract price.

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**ARCHITECTURAL**

Item #1 Section 04810 – Unit Masonry Assemblies

- A. Refer to Article 2.13 and note that the cavity wall insulation is to be a minimum of 2” nominal and shall be a minimum of R-12.

Item #2 Section 07210 – Building Insulation

- A. Add Article 3.8 – Insulation Schedule as follows:

**3.8 INSULATION SCHEDULE**

- A. Extruded-Polystyrene Board Insulation:
  - 1. Below grade foundation walls.
- B. Faced, Mineral-Fiber Blanket Insulation:
  - 1. Steel stud cavities at exterior walls.
- C. Extruded-Polystyrene Board Insulation with Increased R-Value:
  - 1. Cavity-wall insulation specified in Section 04810 – Unit Masonry Assemblies.
- D. Unfaced, Mineral-Fiber Blanket Insulation:
  - 1. Sound attenuation blanket specified in Section 09260 – Gypsum Board Assemblies.

Item #3 Section 08211 – Flush Wood Doors

- A. Subject to compliance with requirements, add the following as an acceptable manufacturer for flush wood doors:
  - 1. Graham

- Item #4 Section 11610 – Laboratory Fume Hoods
- A. Refer to Article 2.4 and revise the hood to a non-restricted constant volume fume hood. Basis-of-design is Hamilton Scientific Model #54L2591PO. Hood is 48” wide with a 28” vertical operating sash. Hood to be provided with an ADA compliant base frame. Provide ceiling enclosure for a 10 ft. ceiling. Refer to 2.5 and revise the biological safety hood to a Type A2. This hood is to be 60” wide and to be non-ducted. Basis-of-Design Labconco Model #302510100. Provide adjustable height ADA compliant base frame.

- Item #5 Section 12362 – Wood Laboratory Casework
- Leonard Peterson & Company
- A. Subject to compliance with requirements, add the following as an acceptable manufacturer for wood laboratory casework:
1. Leonard Peterson & Company

- Item #6 Drawing A702 – Enlarged Wet Lab Plan and Elevations
- A. Refer to Elevation 2-A702, delete base cabinets below chemical fume hood.

## **MECHANICAL**

- Item #1 Section 15505 – Variable Frequency Drives
- A. Refer to 2.1 Manufacturers, add “Franklin Control Systems” as an acceptable manufacturer.
- Item #2 Section 15731 – Central Station Air Handling Units
- A. Refer to 2.1 Acceptable Manufacturers, add “Aaon” as an acceptable manufacturer.
- Item #3 Section 15750 – Variable Refrigerant Flow System
- A. Refer to 2.1 Manufacturers, add “Samsung” as an alternative system.
- Item #4 Section 15891 – Metal Ductwork and Accessories
- A. Refer to 2.3.C Laboratory Exhaust Ductwork: Insert the subheading #1: “For the purposes of this project, laboratory exhaust ductwork referred to in this specification shall be the same as fume hood exhaust ductwork as shown on the drawings. Fume hood exhaust ductwork includes all ductwork attached to EF-2.”
- Item #5 Drawing H501 – New Work – Second Floor Plan - HVAC
- A. Refer to attached Sketch AD3-H1. In existing room 201, add electric wall heater “A-EWH-1” and associated thermostat.

## **ELECTRICAL**

- Item #1 Drawing E100 – Demolition / New Site Plan – Electrical
- A. Revise coded note 1 as follows: “Existing pole base, wiring and conduit to remain. Install new pole and luminaries and connect to existing circuit. Provide adapter plate if required to adapt new pole base to existing anchor bolts.

- B. Revise coded note 6 as follows: "Existing utility pad mounted transformer and pad. Transformer to be disconnected, removed and replaced with a new 480/277V secondary pad mounted transformer by utility. Contractor shall coordinate this work shutdown with utility and owner. (Including scheduling and duration of shutdown.) Contractor shall modify pad dimensions as directed by utility. New pad mounted transformer shall be provided with new utility meter socket, meter and associated CT's and wiring."
- C. Revise coded note 10 as follows: "Existing meter socket and meter to be removed. Remove mounting bracket and the associated conduit and wiring back to utility transformer. Coordinate this work with utility and owner."

Item #2 Drawing E301 – Power First and Second Floor Plans – Electrical

- A. Add coded note 5 to read: "Same A/V floor box shown on systems plan sheet E401. Refer to symbol schedule for details."
- B. Add coded note 5 adjacent to floor box shown under table in room 112B on first floor.
- C. Add coded note 6 to read: "Install receptacle for projector in or above ceiling as directed by architect."
- D. Add coded note 6 adjacent to each projector receptacle shown on first and second floor.
- E. "Add A-EWH-1" on south wall of room 201. Refer to sketch AD3-H1 for location. Connect heater to existing Panel "PM-2". Provide one (1) 20A/2P breaker and mounting hardware in existing space. Update panel directory.

Item #3 Drawing E601 – Power Main Electrical Room – Electrical

- A. Revise clearance dimension for outside electrical equipment to 4'-0" minimum from front of either "T-1" or "SW-1" to fence posts from clearance dimension shown between building exterior wall to fence. Fence shall be installed to provide 4'-0" minimum in front of electrical equipment.
- B. Revise coded note 3 to read: "New auxiliary section sized as required for routing and terminations of feeder from "SW-1" to "MDS" bus extensions."
- C. Revise coded note 5 to read: "Existing "MDS" vertical 1600A bus drilled and tapped for future extension. Splice and extend 1600A full capacity phase and neutral buses 10 to new auxiliary section as required. New bus extensions shall be drilled and tapped as required for termination of "SW-1" load side conductors. Contractor shall use Square D Field Service Group to furnish and install bus extensions."

Item #4 Drawing E601 – Demolition – Main Electrical Room – Electrical

- A. Revise demolition coded note 1 to read: "Existing "MDS" main switch switchboard section. Disconnect line side incoming underground secondary conductors. Maintain service entrance conductors for reconnection to new main switch. Disconnect load side switchboard bussing back to nearest joint to remain in adjacent distribution section. Do not cut bus. Contractor shall use Square D Field Services Group to remove switchboard bussing, provide proper bracing and support of remaining bus. Disconnect and remove existing grounding electrode and grounding electrode conductor. Maintain existing equipment housekeeping pad."

Item #5 Drawing E701 – Elevation “A-A” and Elevation “B-B”

A. Refer to attached sketches for revisions to these elevations.

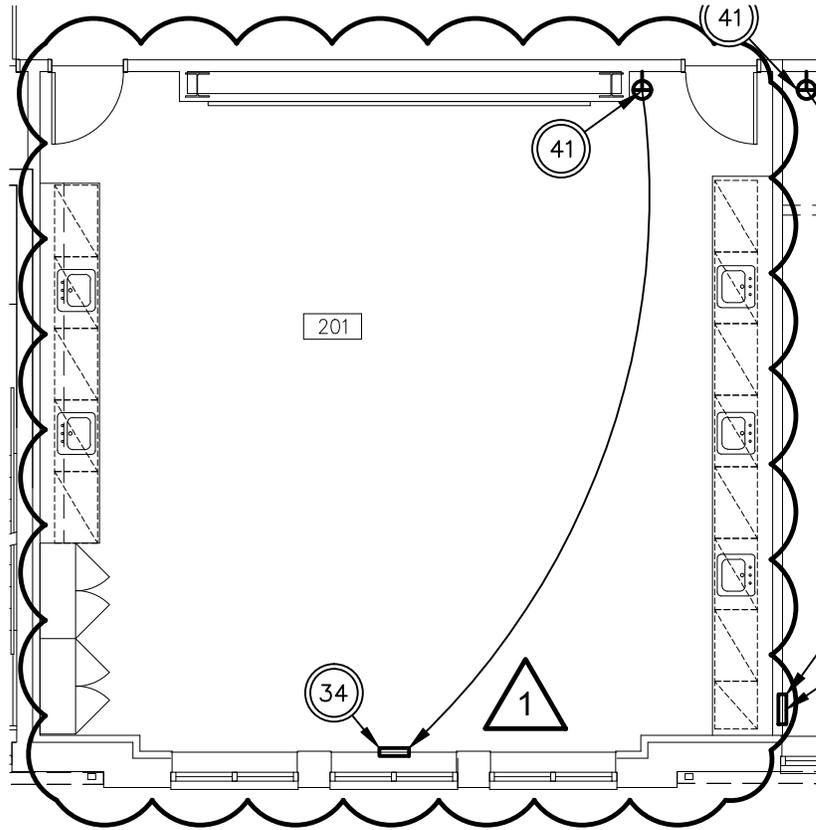
Item #6 Drawing E801 – Telecom Details

A. Refer to attached sketch for revisions to the Workstation Material Notes and the Telecom Outlet Details.

Attachments: (4 pages)

Sketch AD3-H1, dated 8 April 14

Sketch AD3-E1 through AD3-E3, dated 8 April 14

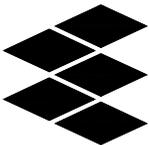


- 34. INSTALL ELECTRIC WALL HEATER "A-EWH-1" IN EXISTING WALL. SEE DETAIL
- 41. "NETWORKED" THERMOSTAT TO CONTROL "A-EWH-1".

**NEW WORK - SECOND FLOOR PLAN - HVAC**



SCALE



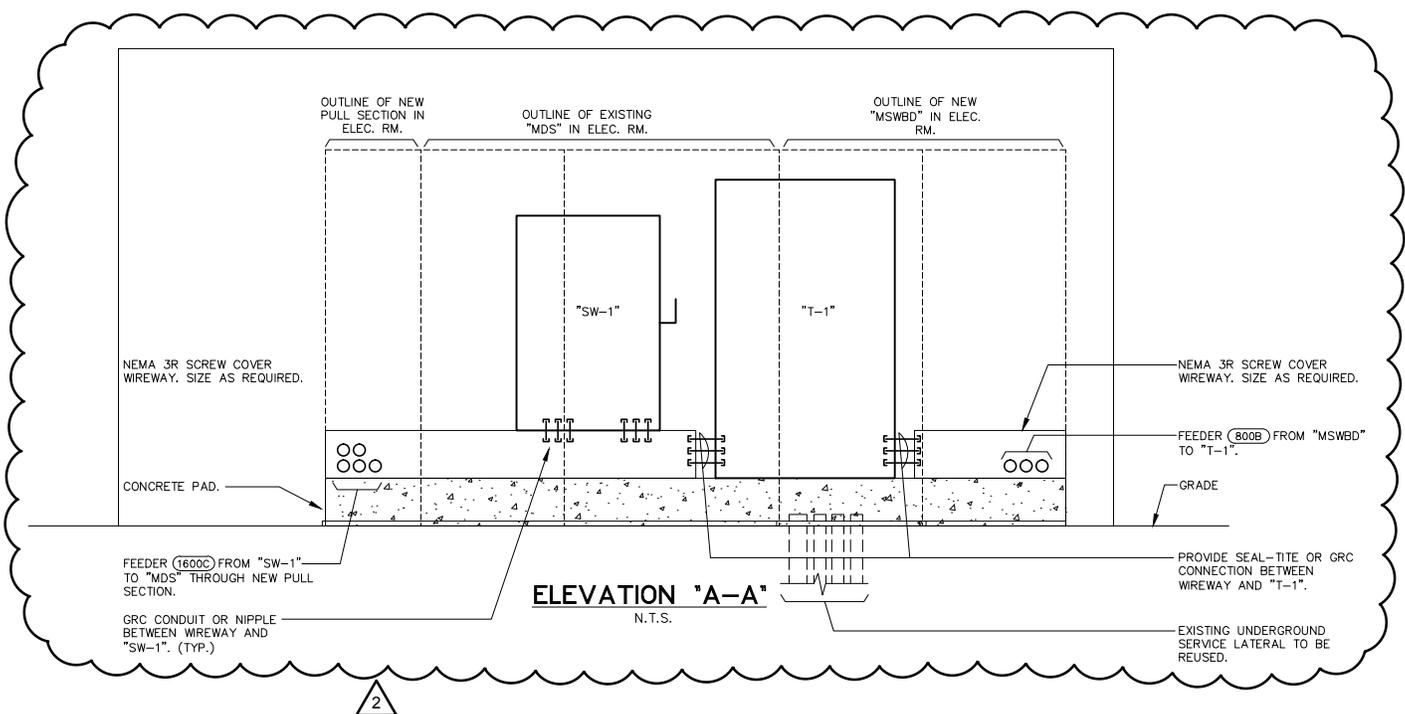
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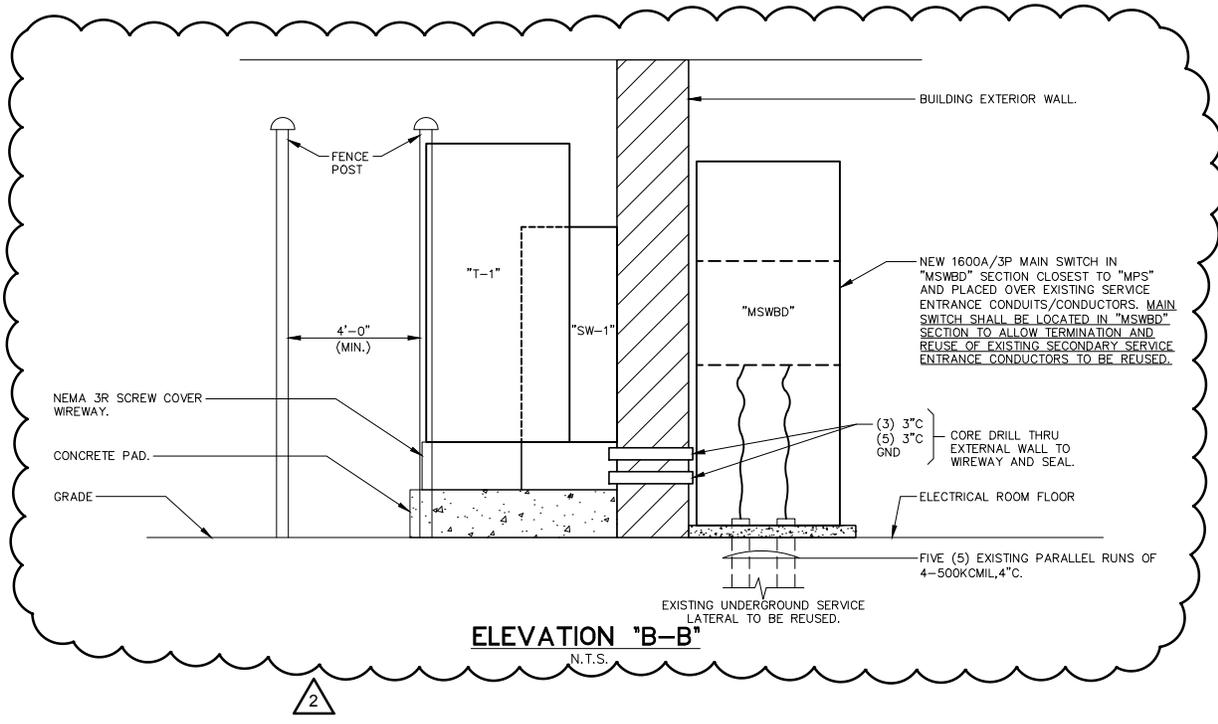


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**AD3-H1**

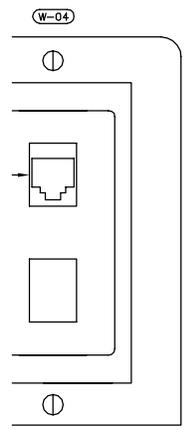
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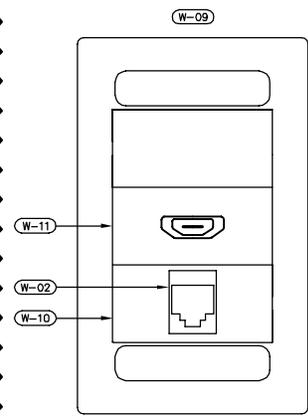
- W-## WORKSTATION MATERIAL NOTES W-##**
1. SINGLE-GANG FACEPLATE WITH SUFFICIENT PORTS TO SUPPORT ALL REQUIRED MODULES (HUBBELL PN: IFF14##; COLOR TO MATCH POWER WALLPLATES). PROVIDE MATCHING BLANK MODULES IN ALL UNUSED PORTS.
  2. BLUE CAT6 DATA JACK MODULE (HUBBELL PN: HXJ6B) CONNECTED TO TELECOM ROOM WITH BLUE CAT6 DATA CABLE (BERK-TEK PN: LANMARK-1000 CMP) TERMINATED ON NEW CAT6 PATCH PANELS.
  3. WHITE CAT6 VOICE JACK MODULE (HUBBELL PN: HXJ6W) CONNECTED TO TELECOM ROOM WITH WHITE CAT6 VOICE CABLE (BERK-TEK PN: LANMARK-1000 CMP) TERMINATED ON 110 BLOCKS.
  4. TABLETOP OUTLET BOX, EQUIP WITH DECORA OUTLET FRAME (HUBBELL PN: ISF2##). COLOR TO MATCH OUTLET BOX. PROVIDE MATCHING BLANK MODULES IN ALL UNUSED PORTS.
  5. 3-CELL FLOOR BOX WITH (1) CELL EQUIPPED WITH DECORA OPENING FOR TELECOM CONNECTIVITY AND (1) CELL EQUIPPED WITH A 2-EXTRON MAAP PLATE ADAPTER FOR AUDIO/VIDEO CONNECTIVITY. (REFER TO ELECTRICAL SYMBOL LEGEND).
  6. 2-PORT SURFACE-MOUNT OUTLET BOX (HUBBELL PN: ISM2##).
  7. EXTRON MAAP PLATE SUPPORTING HDMI CONNECTOR (EXTRON PN: 70-617-02). CONNECT TO CORRESPONDING HDMI OUTLET IN SAME ROOM WITH HDMI CABLE (HUBBELL PN: HDH##BK).
  8. EXTRON BLANK MAAP PLATE (EXTRON PN: 70-315-11) PLACED IN ALL UNUSED PORTS.
  9. SINGLE-GANG FACEPLATE FRAME (HUBBELL PN: IMF1##). PROVIDE APPROPRIATELY SIZED BLANK MODULES IN UNUSED SPACES.
  10. 1-PORT KEYSTONE BEZEL (LEWTON PN: 41292-1M# OR APPROVED EQUAL).
  11. BLANK HDMI MODULE (HUBBELL PN: IMB0S1##) LOADED WITH FEEDTHROUGH CONNECTOR (HUBBELL PN: MDMIC1) CONNECTED TO FLOOR BOX HDMI INPUT WITH HDMI CABLE (HUBBELL PN: HDH##BK).

OUTLET SHARES THE SAME  
TAL WITH A SECOND IDENTICAL



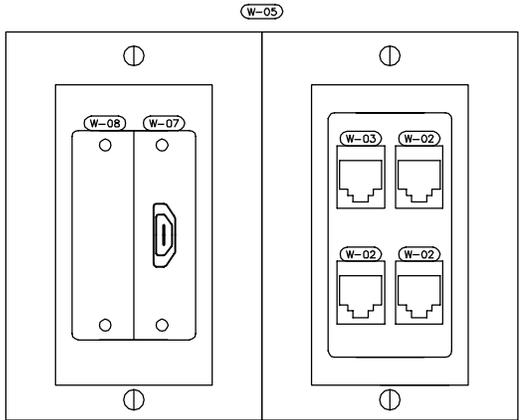
**LETOP BOX OUTLET**  
N.T.S.

OUTLET LOCATED BEHIND WALL-MOUNTED  
MONITOR.



**AV-INPUT OUTLET**  
N.T.S.

OUTLET ACTS AS A LOCAL AUDIO/VIDEO INPUT  
POINT FOR THE WALL-MOUNTED TELEVISION



**AV INPUT + 1-PHONE / 3-DATA FLOOR BOX OUTLET**  
N.T.S.