

Date: 06-06-2022

Re: Addendum No. 1 to the Bidding Documents for Handley Hall HVAC Improvements

Please include the following recommended changes:

GENERAL

- A. The following were in attendance for the non-mandatory pre-bid walk through conducted on Thursday, May 26, 2022:

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- B. Items discussed at the pre-bid meeting:
1. General project description: The project scope will remove the existing split Dx air handling units serving the first floor (two each with interior air handlers above classroom ceiling and in closet and condensing units on the platforms at the sidewall), split Dx air handling units with decommissioned steam coils located above the bathrooms on second, third, and fourth floors, rooftop condensing units, package rooftop gas electric unit serving the fifth floor, all associated controls, ductwork, refrigerant piping, and steam/condensate piping.
 2. Under the base bid, furnish and install a new system of VRF heat pumps throughout the first, second, third, fourth, and fifth floors along with a rooftop mounted DOAS unit for ventilation.
 3. Under Alternate #1, furnish and install VRF heat pumps and energy recovery ventilators to serve the lower level wood shop.
 4. Existing hot water panel radiators, condensing hot water boilers, and associated controls will remain in service to provide secondary space heating for the spaces throughout. will be retained at various perimeter spaces with new controls.
 5. The print room and copy room exhaust fans shall remain as noted on the contract drawings.
 6. The new VRF will include package controls which are integrated with the facility's existing BAS, which is a Schneider System by Maine Controls, using Distech components. In addition to the VRF controls integration, control for the new DOAS unit shall be via the existing Schneider front end.
 7. The project will require some limited electrical code upgrades as noted on the contract drawings to include re-configuring the electrical room, added emergency lighting, and added life safety devices.

8. The project will be bid as a single lump sum project with the intent for all trades to be included under the general contract.
9. The University will, prior to start of the construction project, remove or protect in place all furnishings within each space to the extent necessary to facilitate the work of the contract.
10. The bids are due on June 10, 2022 as noted in the contract documents.

QUESTIONS ASKED AT THE PRE-BID WALKTHROUGH:

- A. To what extent will ceiling replacement be required? It is noted during the walkthrough that many of the existing tiles within the lower level Wood Lab, 006 that many tiles are broken and stained. Also, at Wood Shop 001, there are very few tiles in place, mostly open grid.

AEI Response: For the lower level Wood Lab 006, please plan to replace all ceiling tiles and grid with new. For the Wood Shop 001, remove and reinstall the existing grid as needed to install the new system, under the Alternate. There shall be no requirement to install replacement tiles where tiles are currently missing in this area.

On first, second, third, and fourth floors, suspended ceilings are in limited areas only and are noted to be good shape. Similarly, at the fifth floor, the existing suspended acoustical tile ceilings are primarily in good overall condition. As such, at these locations, as noted on the architectural sheets, it shall be the intent that the tiles and grid be removed, salvaged, and reinstalled to facilitate the HVAC, electrical, and structural installations, with a need to only replace those that are damaged.

Refer to “Changes to Drawings” herein for clarifications to the architectural requirements.

- B. To what extent will lighting be removed/replaced?

AEI Response: The intent, in all areas except the electrical room, is that existing lighting will be retained, with removal, salvage, and reinstallation only as required to facilitate the work outlined herein.

New lighting for the electrical room will be as outlined on the electrical drawings.

Refer to “Changes to the Drawings” herein for clarifications to the general demolition notes on the electrical drawings.

CHANGES TO THE DRAWINGS:

- A. SHEET A-1, Lower Level Floor Plan: At the Architectural Notes Legend, **REVISE** Note #1 to read as follows:

“1. REMOVE AND REPLACE THE ENTIRE SUSPENDED ACOUSTICAL TILE AND GRID CEILING SYSTEM THROUGHOUT.”

- B. SHEET A-1, Lower Level Floor Plan: At ARCH WOOD SHOP 001, **DELETE** Note #1 designation and **ADD** Note 12 designation.

- C. SHEET A-1, Lower Level Floor Plan: At the Architectural Notes Legend, **ADD** Note #12 to read as follows:

“12. EXISTING CEILING GRID SHALL BE REMOVED/REINSTALLED AS REQUIRED TO FACILITATE THE HVAC INSTALLATIONS. THERE IS NO REQUIREMENT TO REPLACE CURRENTLY MISSING TILES IN THIS AREA.”

- D. SHEET E-001, Electrical Notes: **DELETE** the sheet in its entirety. **ADD** in its place, Sheet E-001, attached, reissued with revisions to the Electrical Demolition Work Notes.

Attachments: Sheet E-001

END OF ADDENDUM #1

GENERAL NOTES

PROJECT NOTES

1. THE SCOPE OF WORK SHALL INCLUDE PROVIDING ALL WORK INDICATED UNLESS OTHERWISE SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS, AND COORDINATION WITH ALL TRADES SCOPE OF WORK AS INDICATED ON THE CONTRACT DOCUMENTS INCLUDING BOTH THE DRAWINGS AND THE SPECIFICATIONS, WHICH ARE COMPLIMENTARY. WORK REQUIREMENTS INDICATED IN ANY CONTRACT DOCUMENT SHALL BE CONSIDERED PART OF THE SCOPE OF WORK, UNLESS SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS.
2. IN GENERAL, WORK REQUIREMENTS ARE NOT INDICATED IN BOTH DOCUMENTS, WHERE DOCUMENTS CONFLICT WITHIN THEMSELVES OR WITH CODES AND REGULATIONS, PROVIDE THE HIGHER QUANTITY AND QUALITY AND FOLLOW THE STRICTER REQUIREMENTS.
3. WORK AT A MINIMUM SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRICAL CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODE AND AUTHORITIES. DO NOT INSTALL WORK THAT DOES NOT MEET THE MINIMUM REQUIREMENTS. IF NECESSARY, REQUEST CLARIFICATION FROM ARCHITECT AND ENGINEER BEFORE PROCEEDING.
4. ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND PROFESSIONAL MANNER. RECTILINEAR TO BUILDING STRUCTURE.
5. ALL COMPONENTS SHOWN ON THE RISER DIAGRAMS OR DETAILS, BUT NOT ON THE PLAN OR VICE VERSA SHALL BE INCLUDED AS IF SHOWN ON BOTH.
6. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR MENTIONED.
7. VISIT THE SITE TO DETERMINE PRE-EXISTING CONDITIONS AND WORK NECESSARY PRIOR TO SUBMISSION OF BID PRICE. SUBMIT ANY QUESTIONS REQUIRED TO CLARIFY SCOPE PRIOR TO BID. INCLUDE ALL REQUIRED WORK IN BID PRICE.
8. INCLUDE IN BID WHATEVER IS REQUIRED TO MEET SCHEDULE INCLUDING OVERTIME, EXPRESS SHIPPING, EXPEDITING EQUIPMENT, ETC. PLAN FOR PROJECT AND SUBMIT SHOP DRAWING AND ORDER EQUIPMENT IN A TIMELY MANNER; EQUIPMENT SHALL BE BASED ON THE SPECIFIED EQUIPMENT.
9. ANY EQUIPMENT TO BE SUBSTITUTED SHALL BE IDENTIFIED AT THE TIME OF BID. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBSTITUTIONS.
10. ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
11. TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS. INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, COMMISSIONING, APPROVALS AND CERTIFICATIONS.
12. PROVIDE TRAINING TO OWNER ON ALL EQUIPMENT AND SYSTEMS INSTALLED.
13. TEMPORARY LIGHTING AND POWER SHALL BE PROVIDED AS REQUIRED BY OSHA, CODES AND LOCAL AUTHORITIES. REMOVE ALL TEMPORARY FACILITIES PROVIDED AT PROJECT COMPLETION.
14. ALL CUTTING AND PATCHING REQUIRED FOR INSTALLING THE ELECTRICAL WORK SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. ALL CUTTING SHALL BE PATCHED AND FINISHED TO MATCH SURROUNDING AREA AND SATISFACTORY TO THE OWNER.

INSTALLATION COORDINATION NOTES

1. PRIOR TO ROUGH-IN OF ELECTRICAL PROVISIONS FOR OWNER FURNISHED EQUIPMENT AND EQUIPMENT PROVIDED BY OTHER TRADES, COORDINATE WITH THE GENERAL CONTRACTOR, EQUIPMENT SHOP DRAWINGS AND APPLICABLE EQUIPMENT INSTALLER FOR EXACT LOCATION AND WIRING REQUIREMENTS. PROVIDE ALL NECESSARY EQUIPMENT, WIRING AND ACCESSORIES FOR A COMPLETE INSTALLATION. MAKE ALL FINAL CONNECTIONS AS REQUIRED, I.E. POWER, CONTROL, INTERLOCK, ETC.
2. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF DIVISION 26 AND OTHER DIVISIONS. THESE DRAWINGS ARE NOT INTENDED TO INDICATE ALL ITEMS TO BE REMOVED.
3. ELECTRICAL EQUIPMENT, RACEWAYS AND OUTLETS MOUNTED TO AND OR INSTALLED IN OWNER FURNISHED FURNITURE SHALL BE COORDINATED WITH THE EQUIPMENT AND FURNITURE INSTALLERS AND THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN. EXCEPT WHERE INDICATED OR REQUIRED OTHERWISE.
4. THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
5. IF EXACT LOCATION, MOUNTING OR RACEWAY ROUTING ARE NOT INDICATED OR ARE NOT CLEAR OR CONFLICT (LOCATION OR HEIGHT) COORDINATE WITH OTHER TRADES AND REQUEST CLARIFICATION PRIOR TO ROUGH-IN OR INSTALLATION. DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATION, MOUNTING HEIGHTS OR EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED WITH THE EQUIPMENT REQUIREMENTS AND FIELD CONDITIONS.
6. WHERE LOADS ARE ADDED TO EXISTING BRANCH CIRCUITS, VERIFY THAT THE EXISTING CIRCUITS HAVE ADEQUATE CAPACITY TO SUPPORT THE ADDITIONAL LOAD WITHOUT EXCEEDING SPECIFIED MAXIMUM LOAD.
7. UNLESS OTHERWISE DIRECTED, PROVIDE ALL NEW POWER DISTRIBUTION EQUIPMENT WITH AIC RATINGS THAT MATCH OR EXCEED THE AIC RATING OF THE NEXT ACTIVE EXISTING UPSTREAM OVER-CURRENT PROTECTIVE DEVICE SERVING THE PANEL WHEN SERVED DIRECTLY BY ITS SOURCE (E.G. NO TRANSFORMER) OR PROVIDE AIC RATING THAT EXCEEDS BY 10% THE MAXIMUM LET THROUGH FAULT CURRENT (UNDER INFINITE PRIMARY BUSS) OF THE NEXT ACTIVE UPSTREAM TRANSFORMER (EXISTING OR NEW) SERVING THE RESPECTIVE PANEL.
8. ALL NEW PANELS SHALL BE FULLY RATED FOR THE DESIGNATED AIC VALUE; PANELS UTILIZING SERIES RATINGS WILL NOT BE ACCEPTABLE. NEW CIRCUIT BREAKERS PROVIDED IN EXISTING PANELS SHALL BE PROVIDED WITH AIC RATINGS THAT MATCH OR EXCEED THE HIGHEST RATED OVER-CURRENT PROTECTIVE DEVICE WITHIN THE RESPECTIVE EXISTING PANEL.
9. SUBMIT SHORT CIRCUIT STUDY WITH POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL. IN THE STUDY DEMONSTRATE THAT THE AIC RATING SELECTIONS ARE PROPERLY INTEGRATED AND COORDINATED WITH THE EXISTING AND NEW POWER DISTRIBUTION EQUIPMENT. CONFIRM THAT THE AIC RATING SELECTIONS HAVE INCORPORATED THE AVAILABLE FAULT DUTY VALUES OBTAINED FROM THE UTILITY COMPANY FOR THE PROJECTS ELECTRICAL SERVICE POINT OF COMMON COUPLING.
10. SUBMIT OVER-CURRENT PROTECTIVE DEVICE COORDINATION STUDY, FOR ALL NEW POWER DISTRIBUTION EQUIPMENT, WITH THE POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL. INCLUDE THE NEXT ACTIVE EXISTING UPSTREAM OVER-CURRENT PROTECTIVE DEVICES, IN THE STUDY ANALYSIS, WHEN PROJECT IS WITHIN AN EXISTING FACILITY.
11. SUBMIT ARC FLASH REPORT, FOR ALL NEW POWER DISTRIBUTION EQUIPMENT, WITH POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL.

WIRING NOTES

1. UNLESS OTHERWISE INDICATED ON PLANS OR IN SPECIFICATIONS; ALL POWER DISTRIBUTION EQUIPMENT BUSSING AND TRANSFORMER WINDINGS SHALL BE FABRICATED OF 98% CONDUCTIVE COPPER MATERIAL.
2. UNLESS OTHERWISE INDICATED ON PLANS OR IN SPECIFICATIONS; ALL CONDUCTORS, SHALL BE FABRICATED OF 98% CONDUCTIVE COPPER MATERIAL. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG FOR BRANCH CIRCUITS AND #14 AWG FOR CONTROL WIRING.
3. WIRING IS INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
4. BRANCH CIRCUIT WIRING NOT SHOWN. CIRCUITING SHALL IN ACCORDANCE WITH APPLICABLE CODES AND STANDARD PRACTICE. PROVIDE A 20A, 1P CIRCUIT BREAKER FOR EACH LIGHTING AND RECEPTACLE CIRCUIT UNLESS OTHERWISE INDICATED OR NOTED. CONNECT NO MORE THAN SIX DUPLEX CONVENIENCE RECEPTACLES PER BRANCH CIRCUIT. CONNECTED LOAD ON LIGHTING CIRCUITS SHALL NOT EXCEED 12 AMPS.
5. ALL WIRING SHALL BE RUN CONCEALED UNLESS SPECIFIED OTHERWISE. ALL EXPOSED WIRING INCLUDING THAT WHICH IS INSTALLED ABOVE BUT IS VISIBLE FROM BELOW, PARTIALLY OR FULLY OPEN CEILING, SHALL BE INSTALLED IN CONDUIT OR RACEWAYS. REFER TO SPECIFICATIONS FOR ACCEPTABLE WIRING METHODS.
6. WIRING AND CONDUIT SHALL BE REQUIRED FOR ALL SWITCHES, AND OUTLETS INDICATED WITH CIRCUIT NUMBERS. PROVIDE 3/4" CONDUIT, #12 UNLESS OTHERWISE INDICATED (1 PHASE, 1 NEUTRAL AND 1 GROUND). WIRE AND CONDUIT SIZES ON HOME RUNS SHALL BE CONTINUOUS THROUGHOUT CIRCUIT. REFER TO VOLTAGE DROP CHART ON SCHEDULE SHEET, ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
7. RACEWAYS SHALL BE LIMITED TO SIX CURRENT CARRYING CONDUCTORS (PHASE AND NEUTRALS) AND GROUNDING CONDUCTOR. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH SINGLE-PHASE RECEPTACLE OR LIGHTING CIRCUIT, UNLESS OTHERWISE INDICATED OR IF AN OVERSIZED NEUTRAL IS SPECIFIED. CIRCUITS WITH SHARED NEUTRALS SHALL BE PROVIDED WITH CIRCUIT BREAKERS THAT HAVE A COMMON TRIP (E.G. FURNITURE WHIPS)
8. A SEPARATE GROUNDING CONDUCTOR SHALL BE RUN IN EVERY FEEDER AND BRANCH CIRCUIT CONDUIT.
9. MARK ALL CONDUITS AND JUNCTION BOXES WITH PERMANENT MARKER INDICATING PANEL AND CIRCUIT NUMBER OF CONDUCTORS CONTAINED WITHIN. LABEL WHERE CONDUITS ENTER PANELS, WIRE WAYS, PULL BOXES, ETC. LABEL EMPTY CONDUITS WITH SYSTEM (VOICE, DATA, SECURITY, ETC.) AND SOURCE OF CONDUIT.
10. COORDINATE WITH OWNER TO DETERMINE WHICH RECEPTACLES AND ITEMS OF EQUIPMENT REQUIRE STANDBY GENERATOR POWER.
11. ELECTRICAL WORK NOT SERVING STAIRWELLS SHALL NOT PASS THROUGH A STAIR ENCLOSURE UNLESS AN APPROVED RATED SOFFIT IS PROVIDED TO MAINTAIN FIRE AND SMOKE RATING.
12. ALL RACEWAYS CROSSING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.
13. PROVIDE WATERTIGHT AND GAS TIGHT SEALS INSIDE AND OUTSIDE OF CONDUITS THAT PENETRATE THE BUILDING BELOW GRADE. O.Z. GEDNEY OR APPROVED EQUAL. PROVIDE WEATHER TIGHT SEAL AT PENETRATIONS ABOVE GRADE.
14. PROVIDE NRTL LISTED SMOKE AND FIRE SEALS AT ALL PENETRATIONS THROUGH FLOORS OR FULL HEIGHT (FLOOR TO FLOOR) WALLS.

SYSTEM POWER WIRING NOTES

1. ALL VIDEO PROJECTOR, CAMERA AND MONITOR POWER OUTLETS AND THEIR ASSOCIATED COMPUTER POWER OUTLETS FEEDING THE VIDEO SOURCE ARE TO BE CONNECTED TO THE SAME PHASE TO ELIMINATE THE POTENTIAL FOR VIDEO INTERFERENCE BETWEEN VIDEO SOURCE AND EQUIPMENT. COORDINATE ALL POWER WIRING FOR SYSTEM EQUIPMENT WITH THE SYSTEM INSTALLER PRIOR TO INSTALLATION
- RECEPTACLE COLOR CODE NOTES
- UNLESS OTHERWISE INDICATED PROVIDE 20A HEAVY DUTY GRADE RECEPTACLES WITH COLOR CODE AS FOLLOWS:
1. ON GENERATOR POWER - RED
 2. ON UPS POWER - BLUE
 3. ISOLATED GROUND - ORANGE
 4. ON NORMAL POWER - IVORY OR AS SELECTED BY ARCHITECT

MOUNTING NOTES

- DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR EXACT DIMENSIONS.
- INSTALL ALL ELECTRICAL DEVICES (FIRE ALARM, SWITCHES, RECEPTACLES, WORK BOXES, JUNCTION BOXES, EXIT SIGNS, LUMINAIRES, ETC.) IN THE LOCATIONS IDENTIFIED OR DIMENSIONS ON THE ARCHITECTURAL PLANS, DETAILS, OR ELEVATIONS.
- IF THE DEVICE LOCATION IS NOT SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS, FOLLOW THE GUIDELINES LISTED BELOW:
1. INSTALL NEARBY DEVICES ON ONE COMMON VERTICAL CENTERLINE
 2. INSTALL ADJACENT TO DEVICES LINED UP WITH A COMMON BOTTOM LINE.
 3. INSTALL DEVICES AT INDICATED HEIGHT AS APPLICABLE UNLESS OTHERWISE NOTED. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT AS INDICATED BY NOTE 7.
 4. ON MASONRY WALLS LINE UP THE BOTTOM OF THE DEVICE WITH A MASONRY JOINT AS CLOSE TO THE INDICATED HEIGHT AS PRACTICAL.
 5. INSTALL DEVICES IN SAME AREA AT THE SAME HEIGHT.
 6. MOUNT PANELS SIX FEET TO THE TOP OF THE PANEL OR ANNUNCIATOR/ FA GRAPHIC.
 7. MOUNT AT 8 FOOT TO BOTTOM FOR SIGNAGE, EMERGENCY LIGHTING, CLOCKS, SECURITY SENSORS, WALL MOUNTED OCCUPANCY SENSORS MODIFIED AS FOLLOWS: 4' FROM TOP OF DEVICE TO CEILING AND 4' ABOVE DOOR FRAMES.
 8. LOCATE CONTROL DEVICE AT LEAST 18" FROM AN INSIDE CORNER.
 9. SUPPORT WORK FROM THE BUILDING STRUCTURE.
 10. IN FINISHED AREAS ELECTRICAL WORK SHALL BE INSTALLED CONCEALED, RECESSED INTO WALLS OR INSTALLED ABOVE HUNG CEILINGS UNLESS OTHERWISE INDICATED.
 11. DO NOT INSTALL OUTLETS BACK TO BACK. PROVIDE 24" SPACING IN FIRE RATED WALLS.
 12. PROVIDE ELECTRICAL OUTLET PLATE GASKETS SEALS AT RECEPTACLES, SWITCHES AND OTHER ELECTRICAL BOXES ON EXTERIOR WALLS AND INTERIOR WALLS BETWEEN CONDITIONED AND NON-CONDITIONED SPACES.

ELECTRICAL DEMOLITION WORK NOTES

1. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE AND SHALL COMPARE THE DRAWINGS WITH EXISTING ELECTRICAL CONDITIONS. ALL EXISTING ELECTRICAL DEVICES, WITH THE EXCEPTION OF SECURITY AND FIRE ALARM SYSTEMS, SHALL BE REMOVED. ALL CONDUIT AND WIRING FEEDING THESE DEVICES SHALL BE CUT BACK AND TERMINATED AT THE EXISTING ASSOCIATED PANELBOARD. THE ASSOCIATED CIRCUIT BREAKERS SHALL BE RE-USED ACCORDINGLY. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS TO DETERMINE WHICH EQUIPMENT SHALL REMAIN ENERGIZED.
2. TEMPORARILY SUPPORT AND MAINTAIN ALL LIGHT FIXTURES AS NEEDED IN AREAS WHERE CEILING GRID IS REMOVED.
3. REMOVE, PROTECT AND STORE FOR REINSTALL ALL LIGHTING FIXTURES AS NEEDED TO ALLOW FOR MECHANICAL EQUIPMENT AND DUCT REMOVAL AND INSTALLATION. ALL WIRING AND CIRCUITRY TO TEMPORARILY REMOVED LIGHT FIXTURES TO BE MADE SAFE UNDER OSHA GUIDELINES.
4. OUTAGES OF EXISTING ELECTRICAL SYSTEMS NECESSITATED BY THE NEW CONSTRUCTION WORK OF ALL TRADES SHALL BE IN ACCORDANCE WITH A SCHEDULE ISSUED BY THE ARCHITECT IN THE FIELD. INCLUDE ALL ELECTRICAL WORK, OVERTIME LABOR AND SUPERVISION NECESSARY TO ADHERE TO THIS SCHEDULE.
5. ANY EXISTING ELECTRICAL WORK WHICH IS PULLED OUT OR CUT AWAY IN COMPLIANCE WITH THE ABOVE REQUIREMENTS SHALL BE REMOVED FROM THE SITE AS RUBBISH. PROPER CREDIT SHALL BE GIVEN FOR ALL SALVAGEABLE ITEMS.
6. MAINTAIN AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION. ALL CIRCUITS, CONDUITS AND FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN)
7. BRANCH CIRCUIT WIRING TO DEVICES BEING DEMOLISHED SHALL BE DISCONNECTED, MADE SAFE AND REMOVED COMPLETELY BACK TO THE PANELBOARD. THE CONTRACTOR SHALL NOT ABANDON BRANCH CIRCUIT WIRING IN EXISTING WALLS AND CEILING. MAINTAIN THE CONTINUITY OF BRANCH CIRCUIT WIRING TO ANY AREAS WHICH ARE TO REMAIN BUT ARE AFFECTED BY THE DEMOLITION OR NEW CONSTRUCTION.
8. DISCONNECT MAKE SAFE AND REMOVE ANY TEMPORARY AND ABANDONED WIRE IN CEILING SPACE IN AREAS OF WORK.
9. THE EXISTING ELECTRICAL EQUIPMENT AND DEVICES WITHIN THIS THIS AREA SHALL BE REMOVED. CONTRACTOR SHALL DISCONNECT, MAKE SAFE, AND REMOVE ALL LIGHT FIXTURES, WALL SWITCHES AND OTHER ASSOCIATED ELECTRICAL EQUIPMENT AND ALL ASSOCIATED CIRCUITRY WITHIN THIS AREA. EXCEPT AS SHOWN OTHERWISE, UPON REMOVAL, ALL EQUIPMENT SHALL BE DISPOSED OF IF NOT REUSED. ANY MAJOR ELECTRICAL EQUIPMENT SHALL BE TURNED OVER TO OWNER.
10. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, THIS CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND OR AS DIRECTED AFTER COMPLETION OF OTHER TRADE'S WORK IN THAT AREA.
11. INVENTORY MAJOR ELECTRICAL ITEMS THAT ARE REMOVED AND PROVIDE A LIST TO THE OWNER FOR THEIR SELECTION OF ITEMS TO BE RETAINED. ALL ITEMS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
12. IN ALL EXISTING OR NEW AREAS SPECIFIED OR SHOWN TO BE PAINTED THIS CONTRACTOR SHALL REMOVE ALL ELECTRICAL ITEMS AS REQUIRED INCLUDED BUT NOT LIMITED TO LIGHTING FIXTURES, DEVICE PLATES, DEVICES, ETC., REINSTALLING SAME AFTER COMPLETION OF PAINTING. ANY ITEM NOT REMOVED AND PAINTED OVER SHALL BE SUITABLY CLEANED OR REPLACED WITH NEW A ITEM BY THIS CONTRACTOR.
13. THE EXISTING FIRE ALARM INITIATING AND INDICATING LOOPS SHALL BE INTERCEPTED AT BORDERS OF PROJECT SCOPE AREA. JUNCTION BOXES SHALL BE PROVIDED WITH RED PAINTED COVERS FOR ALL SPLICES. ALL EXISTING DEVICES AND LOOP WIRING WITHIN PROJECT SCOPE AREA SHALL BE REMOVED BACK TO BORDER OF PROJECT SCOPE AREA. PROVIDE TEMPORARY SIGNAL LOOP EXTENSIONS, USING FIRE ALARM SIGNAL AND CONTROL ARMORED CABLE. CONTRACTOR SHALL FURNISH THE REQUIRED RATE-OF-RISE HEAT DETECTORS TO THIS CONTRACTOR FOR INSTALLATION. EXTEND LOOP WIRING TO TEMPORARY RATE-OF-RISE HEAT DETECTORS AND SPEAKER/TROBLES LOCATED THROUGHOUT THE PROJECT SCOPE AREA, ACCORDING TO RECOMMENDED NFPA SPACING. THE TEMPORARY LOOPS SHALL BE CONNECTED TO THE EXISTING LOOPS AT THE BORDER OF THE PROJECT SCOPE AREA, WHERE THE EXISTING LOOPS LEAVE THE PROJECT SCOPE AREA. THE TEMPORARY LOOPS SHALL BE SUPPORTED AT INTERVALS REQUIRED BY THE NEC FOR ARMORED CABLE. TEMPORARY LOOP WIRING SHALL INTERFACE WITH EXISTING LOOP WIRING; SUCH THAT ALL EXISTING DEVICES ON EXISTING LOOP THAT ARE NOT WITHIN THE PROJECT SCOPE AREA, ARE MAINTAINED. SYSTEM SHALL BE LEFT FULLY OPERATIONAL, FREE FROM ANY TROUBLE AND ALARM SIGNALS. SHOULD FIRE ALARM DEVICES SCHEDULED FOR REMOVAL REMAIN IN PLACE WHILE TEMPORARY DEVICES ARE OPERATIONAL; E.C. SHALL CLEARLY IDENTIFY DEACTIVATED DEVICES WITH ADHESIVE LABEL READING "DEACTIVATED" USING RED LETTERING OF 18PT. MINIMUM HEIGHT.

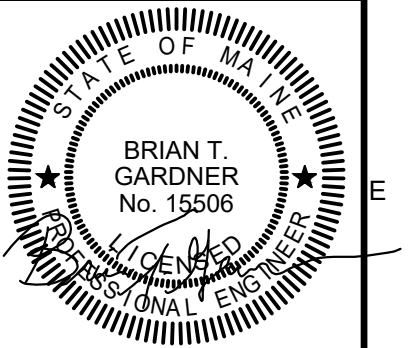
REVISIONS

DATE	NUMBER	BY	DESCRIPTION
06/06/2022	1	RT	ADDENDUM #1

ELECTRICAL NOTES

UNIVERSITY OF MAINE AT AUGUSTA
HANDLEY HALL HVAC IMPROVEMENTS
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E-001



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