May 28, 2019

ADDENDUM #1

TO CONTRACT DOCUMENTS FOR: Project #CP180941 – Animal Science Research Center - Unit E RTU Replacement

ADVERTISEMENT DATE: May 15, 2019

PREPARED FOR: The Curators of the University of Missouri

CONSULTANT: Planning, Design & Construction University of Missouri
130 General Services Building
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The contract documents for the above noted project and the work covered thereby and herein modified.

PROJECT MANUAL:

1) Specification Section 23 7313, Modular Indoor Central-Station Air-Handling Units: CHANGE specification title to read “Modular Outdoor Central-Station Air-Handling Units.”

DRAWINGS:

1) Drawing Sheet M102, Roof Top Mechanical Renovation Plan, Mechanical Renovation Notes, Note 4C: ADD the following in its entirety.

   C. Remove plumbing vent near RTU-1 (qty: 1) and reroute as needed below to tie into adjacent existing vent through roof. Vent below is within a wall, patch and repair as needed.

2) Drawing Sheet M103, 1st Floor Mechanical Renovation Plan, Mechanical Renovation Notes, Note 4D: CLARIFICATION: Routing through the hallway requires removal and replacement (salvaged) of lay-in ceiling cloud. Cloud is removable spline tiles (no sheetrock backing).

3) Drawing Sheet M103, 1st Floor Mechanical Renovation Plan, Mechanical Renovation Notes, Note 5B: CLARIFICATION: The exterior portion of the DPT is the low reference (the building is positive pressure controlled). It is intended to be physically located high up on the wall.
4) Drawing Sheet M103, 1st Floor Mechanical Renovation Plan, Mechanical Renovation Notes, Note 5F: **ADD** the following note in its entirety.

F. All new controllers shall be located at existing controller cabinet locations. Contractor may reuse existing cabinet, power, and bus wire. Re-pull new sensor wires.

5) Drawing Sheet M103, 1st Floor Mechanical Renovation Plan, Mechanical Renovation Notes, Note 6A: **DELETE** note in its entirety and **REPLACE** with the following:

A. Furnish and install protection around pipe penetrations from tunnel through wall. Steel framing, supported metal sheeting, or bollards are acceptable.

6) Drawing Sheet M103, 1st Floor Mechanical Renovation Plan, Mechanical Renovation Notes, Note 6B: **ADD** the following note in its entirety.

B. Contractor shall make provisions (including protective platforms, plastic barriers, etc.) to protect equipment located in spaces below work areas.

7) Drawing Sheet M104, Tunnel Mechanical Renovation Plan, Mechanical Renovation Notes, Note 6B: **ADD** the following note in its entirety:

B. Possible entry point for tunnel access (for pumps, piping, etc.) is the building fresh air intake, located adjacent to the contractor staging area. Remove grating, louvers, etc. as required for access and replace when complete. Possible solution: disconnect and remove air compressor skid and move into air intake areaway, reroute sump piping and floats, and reroute conduit as needed to get pumps in/out of the tunnel space. Reroute electrical conduit serving air/vacuum systems as needed to get piping in/out of the utility tunnel.

8) Drawing Sheet M601, Mechanical Schedules, Air Handling Unit Schedule, Notes, Note 7.: **ADD** the following note in its entirety:

7. Internal unit dampers (OA, RA, EA, bypass, etc.) shall be furnish and installed by unit manufacturer.

9) Drawing Sheet M603, Mechanical RTU Details: **CLARIFICATION:** Unit dimensions and duct connection locations shown for reference and to show intent. The requirement is for the new units to be configured such that the supply/return unit connections to be located over the existing duct penetrations to facilitate a direct, sealed connection. Contractor to verify penetration locations and duct sizes prior to final unit selection and purchase. Plenum-type duct transitions as part of the curb are unacceptable. Sheet metal transitions are required. New unit over dimensions may very slightly as long as it does not interfere with nearby roof penetrations (existing exhaust fans, vents, etc.).
10) Drawing Sheet E101, Tunnel Electrical Renovation Plan, Electrical Renovation Notes, Note 3B: DELETE note in its entirety and REPLACE with the following:

B. Install three (3) #1 AWG copper conductors and one (1) #6 ground in a two inch (2”) EMT conduit from variable frequency drives (VFD’S) to the newly installed pumps.

11) Drawing Sheet E102, 1st Floor Pump Power Renovation Plan, Electrical Renovation Notes, Note 2B: DELETE note in its entirety and REPLACE with the following:

B. Install 200 Amp fused disconnect with 150 Amp fuses, Bussmann FRN-R-150, in location shown on drawing. Mount to wall similar to existing. Run feeder circuit ‘A’ from transformer secondary to disconnect, as shown.

12) Drawing Sheet E102, 1st Floor Pump Power Renovation Plan, Electrical Renovation Notes, Note 2C: DELETE note in its entirety and REPLACE with the following:

C. Run three (3) #1 AWG copper conductors and one (1) #6 ground in 2” conduit down into tunnel and connected to VFD-Disconnects for pumps, P-1 and P-2, installed under this project. Install a pair of control wires to auxiliary project. Install a pair of control wires to auxiliary contact to shut VFD down when disconnect is turned off.

END OF ADDENDUM #1