

ADDENDUM NO. 2

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

Renovate HVAC & Controls
St. James Veterans Home
St. James, Missouri
PROJECT NO. U1503-03

Bid Opening Date: 1:30 PM, Thursday, January 18, 2018 (Not Changed)

Bidders are hereby informed that the Construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. **Section 230593 – Testing, Adjusting, and Balancing For HVAC:**

- a. ADD the following approved TAB certification to Paragraph 1.4-A:
 - 3. AABC.

DRAWING CHANGES:

1. **Sheet G-100; Overall/Phasing Plan:**

- a. ADD General Note “12. Contractor shall drain down, refill and manually vent all hot water, chilled water and condenser water systems as required to replace equipment and piping. Contractor shall fully coordinate with owner’s HVAC Water Treatment Contractor per specification section 232500. All hot water, chilled water and condenser water systems shall be 100% water of quality recommended by HVAC Water Treatment Contractor. Contractor shall isolate equipment being removed from the existing water systems, such that all other equipment is able to maintain operation while equipment is being replaced. When each air handler is being removed, the hydronic systems shall be maintained in full operation to allow for heating and cooling at all other equipment. When the hot and chilled water systems are drained down for chilled water pump, hot water pump and boiler replacement all new isolation valves shall be installed at the air handlers and make-up air unit, such that only one system drain down is required for each the chilled water and hot water systems.”

2. **Sheet M-600: Mechanical Schedules:**

- a. Custom Air Handlings Unit Schedule
 - 1. AHU 5/6/7/8/9/10
 - i. REVISE Chilled Water Coil Water Pressure Drop from “21.21” to “12.21”.
 - ii. REVISE Electrical Data MCA from “6” to “9.5”.
 - iii. REVISE Electrical Data MOP from “10” to “15”.
 - iv. REVISE Electrical Data MFS from “8” to “15”.

3. **Sheet E-100; Electrical Plan**

- a. Basement Level Electrical Plan 1/E-100:

1. ADD Contactor "LC1" shall be provided under Alternate Bid #1.
 2. ADD conduit supports and reroute conduit and wiring for washers so that conduits are supported from building structure. The conduits serving the washers in Laundry 016 are currently supported from the supports for "MAU1". Prior to starting work on replacement of "MAU1", contractor shall reroute conduit and wiring for washers so that conduits are supported from building structure.
 3. REPLACE duct detectors. "AHU1" in Mechanical 001 has two duct detectors, one each in the supply and the return ducts. Both duct detectors shall be replaced and interlocked with the new fan shutdown relay.
4. **Sheet E-100; Electrical Plan**
- a. Branch Circuit & Feeder Schedule:
 1. REVISE Circuit 1 from 0.5" conduit to 0.75" conduit.
5. **Sheet E-101; Electrical Plan:**
- a. Branch Circuit & Feeder Schedule:
 1. REVISE Circuit 1 from 0.5" conduit to 0.75" conduit.
6. **Sheet E-102; Electrical Plan:**
- a. Partial Central Facilities Electrical Plan 1/E-102:
 1. REPLACE duct detectors. "AHU4" in Mechanical 156 has two duct detectors, one each in the supply and the return ducts. Both duct detectors shall be replaced and interlocked with the new fan shutdown relay.
7. **Sheet E-103: Electrical Plan:**
- a. Branch Circuit & Feeder Schedule:
 1. REVISE Circuit 1 from 0.5" conduit to 0.75" conduit.
 2. REVISE Circuit 2 from 0.5" conduit to 0.75" conduit.
8. **Sheet E-105: Electrical Plan:**
- a. Wing "A" – Electrical Plan 1/E-105:
 1. REPLACE duct detectors. Air handling units "AHU5" thru "AHU10" each have two duct detectors, one each in the supply and the return ducts. Both duct detectors shall be replaced and interlocked with the new fan shutdown relay.

ATTACHMENTS: None

January 11, 2018

END ADDENDUM NO.2