

ADDENDUM NO. 4

**TO: PLANS AND SPECIFICATIONS FOR THE STATE OF MISSOURI**

Replace Heat Pumps  
EW Thompson State School  
Sedalia, MO  
**PROJECT NO. E232801**

**Bid Opening Date: 1:30 PM, December 2, 2025 (Unchanged)**

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

**SPECIFICATION CHANGES:**

**Spec Section 23 8127:**

1. Part 2 Product paragraph 2.03 Accessory Equipment shall be revised to:
  - A. Room temperature sensor: Provide a Bacnet controller in the heat pump that can be controlled by the existing Alerton room temperature sensor.
  - B. The heat pumps shall be connected to the existing Alerton BAS system.
2. Part 2 Product paragraph 2.02, 1. Shall be revised to:
  1. Cabinet: Galvanized steel finish, easily removed and secured access doors with safety interlock switches, glass fiber insulation with reflective liner.

**HVAC Controls:**

1. All new components of the heat pump system shall be connected to the existing Alerton BAS system to perform the sequence of operation indicated on the drawings. This shall include the heat pumps, hydronic pumps, and energy recovery unit.

**DRAWING CHANGES:**

**Drawing M-001:**

1. Detail 02: The grout thermal conductivity for the bore holes shall be 1.0 Btu/hr-ft-°F.
2. Detail 02: Graphite may be utilized to blend with the sand in the bore hole grout.

**Drawing M-103:**

1. Route ¾" condensate drain pipes from the classroom heat pumps HP-4, 5, 6, & 7 to the vent stack for the classroom restroom. Connect to the vent stack above the ceiling with a deep seal trap and indirect connection. No new drawing attached.
2. Route ¾" condensate drain pipes from heat pumps HP-8,9,10,11,13,14,15,16, & 17 to floor drains in the mechanical rooms. All of these heat pumps with the exception of Hp-13 are located in mechanical rooms. No new drawing attached.
3. Route ¾" condensate drain pipes from HP-1&12 located above the offices in the southeast corner of the building to the floor drain in the mechanical room to the North. No new drawing attached.
4. Route a ¾" condensate drain pipes from heat pump HP-3 overhead to the perimeter of the building and turn the piping down on the exterior wall to 24" above grade. No new drawing attached.
5. Route ¾" condensate drain pipes from heat pumps HP-1 & 2 on the Northeast side of the building overhead to the perimeter of the building and turn the piping down on the exterior wall to 24" above grade. No new drawing attached.

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6. There are two HP-1 heat pumps indicated on the drawings. Both are to be part of the project and shall be connected to the heat pump condenser water loop. No new drawing attached.

### **Drawing M-202:**

1. The warranty on the heat pumps shall be a 5-year parts warranty on the compressor as indicated in the specifications.

### **Drawing M-203:**

1. Sussman EW Series are approved as an alternate supplier for the electric boiler. Heat pumps HP-8,9,10,11, & 15 all require motorized outside air dampers in the direct outside air connection to the heat pump return air. The motorized outside air dampers shall be controlled by space CO2 sensors as indicated in the sequence of operation on the drawings. Outside air for all other heat pumps and spaces is provided by the energy recovery unit.

### **GENERAL COMMENTS:**

1. If an additional site visit is necessary, please contact Jason Aduddell, 816-812-6300, Jason.Aduddell@oa.mo.gov who will coordinate with the on-site personnel.
2. Please contact April Howser, contract specialist, at April.Howser@oa.mo.gov for questions about bidding procedures, MBE/WBE/SDVE goals, good faith effort forms, and bid submittal requirements.
3. All bids shall be submitted on the provided bid forms without additional terms and conditions, modifications, or stipulations. Each space on the bid forms shall be properly filled. Failure to do so will result in rejection of the bid.
4. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 0%/0%/3%, respectively. All MBE, WBE, and SDVE contractors, subcontractors, and suppliers must be certified by the State of Missouri, Office of Equal Opportunity. No other certifications from other Missouri certifying agencies will be accepted. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.
5. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
6. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
7. Current Planholders list available online at: <https://oa.mo.gov/facilities/bid-opportunities/bid-listing-electronic-plans> Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to order official plans and specifications.

### **ATTACHMENTS:**

**NONE**

**END ADDENDUM NO. 4**