

From: School District No. 4J  
Facilities Management  
715 W. 4th Avenue  
Eugene, Oregon 97402

To: All Planholders of Record

**ADDENDUM NUMBER THREE**

**Monroe Middle School RTU Installations**

**Addendum date: June 3, 2014**

**Page 1 of 2**

This addendum is issued to clarify, change and correct the Project Manual and Contract Documents and shall form a part of the Contract. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

**GENERAL**

- 1) Not Used

**SPECIFICATIONS**

- 1) Section 00 10 00 - REQUEST FOR QUOTATIONS-DOCUMENT
  - a. First Paragraph:
    - i. **Revise** time and date to receive Sealed Quotes at Eugene School District Facilities Management Office to: "2:00 PM, June 9, 2014"
- 2) Section 00 30 00 - QUOTATION FORM-DOCUMENT
  - a. **Revise** Due Date to "June 9, 2014".
- 3) Section 23 74 13 - PACKAGED ROOFTOP HEAT PUMP UNITS PART 2 - PRODUCTS:
  - a. Paragraph 2.01 MANUFACTURERS
    - ii. **Revise** Article "A" to: "RTU-1 & 2: Trane Model 4WCZ6060, or equivalent by Carrier, York, or Lennox."
  - b. Paragraph 2.02
    - i. **Delete** Articles "A through H" and replace with Paragraph 2.02 per Attachment 1.
    - ii. **Revise** Article "I" to "O".

**DRAWINGS**

- 1) Sheet M001: PACKAGED ROOFTOP HEAT PUMP UNITS SCHEDULE
  - a. **Revise** per Attachment 1.
- 2) Sheet M101: AREA "C" PARTIAL FLOOR PLAN - NEW WORK
  - a. KEYED SHEET NOTES:

- i. **Revise** notes 1 through 4 duct dimensions to "20x20".
  - b. Classroom C-1:
    - i. **Revise** air quantity for (6) "D1" ceiling diffusers to "325 CFM".
    - ii. **Revise** air quantity for (2) "CG-1" return grilles to "975 CFM".
  - c. Classroom C-6:
    - i. **Revise** air quantity for (2) "SG1" supply grilles to "975 CFM".
    - ii. **Revise** air quantity for (2) "CG-1" return grilles to "975 CFM".
- 3) Sheet E001: AREA "C" PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION
- a. KEYED SHEET NOTES (1/E001):
    - ii. **Revise** note #5 to "APPROXIMATE LOCATION OF MAIN DISTRIBUTION PANEL IN ELECTRICAL ROOM. INSTALL NEW 90/3 CIRCUIT BREAKERS FOR EACH NEW HEAT PUMP UNIT RTU-1 & RTU-2."
  - b. PARTIAL ONE LINE DIAGRAM (3/E001):
    - i. **Revise** RTU-1 conduit, conductors, and circuit breaker to "1-1/4" C., 3 #2, and 90A - 3P" respectively.

**END OF ADDENDUM #3**

**ATTACHMENT 1**

**2.02 HEAT PUMPS WITH ELECTRIC HEAT**

- A. RTU-1 & 2: Units shall be factory assembled and tested, packaged heat pump unit meeting ARI standards and UL listings. Cabinet constructed of galvanized steel with baked enamel finish. Minimum ½ fiberglass foil-faced insulation with sealed edges. Coil guard.
- B. Access panels to all components. Panels exposed to indoor air stream or electrical components shall be gasketed. Filter access shall not require tools.
- C. High efficiency direct drive fans. Built-in thermal overload protection and permanently lubricated bearings.
- D. Stainless steel or polymer double-sloped condensate drain pan with primary and secondary connections.
- E. Refrigerant circuit shall be R410A, and shall have TXV in both heating and cooling, and shall include service ports and filter-dryer.
- F. Scroll type compressor with automatic reset thermal overload, over temperature and over current, crankcase heater. 2-stage compressor(s) providing 2 stages of DX cooling and 2 stages of heat pump heating, approximately 50% capacity per stage.
- G. UL listed auxiliary electric heaters with automatically reset high limit control. 2 step, either 50%/50% or unbalanced up ratios scheduled. Total KW within 10% of scheduled total.
- H. Single point electrical connection. 208-230/3/60.
- I. Economizer section capable of 100% outside air with fully modulating low-leakage dampers, power exhaust relief and 2" filters. By CanFab (Part No. 6150-MPE010), MicroMetl, or approved. Shall include factory-provided Belimo 24LF-SR or equal 35 in-lbs spring return actuator, wired back to "DDC ready" terminal strip or wiring compartment.
- J. DDC-ready interface for field-provided controls by others.
- K. Minimum SEER 15. Minimum HSPF 8.5
- L. Seismic spring-insolated curb. 10 to 12 inches high, insulated perimeter, structurally calculated, vibration isolated. Perimeter wood nailer, continuous gasket, seismic clips, springs, duct supports. Canfab (Part No. 6048-IC11A), MicroMetl, Thy Curb or approved.
- M. Shipping FOB Eugene. Supplier shall be responsible for processing any shipping damage claims.
- N. Warranty: 1 full year parts *and* labor. Compressors shall carry 5 year parts warranty.

**Equipment Schedule:**

TAG	TONS COOLING	CFM	ESP (IN.)	SEER/HSPF	VOLT/PHASE	SA FAN HP
RTU-1 & 2	5	1950	0.6	15.2/8.6	208 / 3	1

COOLING SENS/TOTAL (MBH)	HEATING (MBH)	AUX. HTG. KW STAGE 1/2	MCA	MOP	OPER. WT. (LBS)
42.4/56.5	35 @ 17 DEG. F.	7.5 / 7.5	89.2	90	900