

ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**HVAC Replacement
Autumn Hill State School
Union, Missouri
PROJECT NO.: E1806-01**

Bid Opening Date: 1:30 PM, Thursday, October 17, 2019 (Not Changed)

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

SPECIFICATION CHANGES:

1. DELETE Section 230548 - HVAC Vibration Isolation in its entirety.
2. Section 230900 – Controls
 - a. ADD the following sentence to Paragraph 1.8-B: “Java script is not permitted.”
3. Section 233100 – Ductwork
 - a. DELETE Paragraph 2.2 ALUMINUM DUCTWORK in its entirety.
 - b. DELETE Paragraph 2.3 STAINLESS STEEL DUCTWORK in its entirety.
 - c. DELETE Paragraph 2.8 DISHWASHER EXHAUST DUCT in its entirety.
4. Section 237411 – Packaged Rooftop Air Conditioning Units
 - a. REVISE Paragraph 2.8-A as follows:
 - A. Provide hermetic or semi-hermetic compressors (quantity as scheduled on drawings), 3600 rev/min maximum, resiliently mounted with positive lubrication, crankcase heater for operation down to 0°F, high and low pressure safety controls, motor overload protection, suction and discharge service valves and gauge ports, and filter drier. The unit shall have inverted or digital scroll compressors providing proportional or modulating control. Compressors shall be able to turn down to 20% or lower. The unit controller shall control the speed of the compressor to maintain the discharge air temperature.

DRAWING CHANGES:

1. Sheet M-605
 - a. REVISE Heat Pump Schedule - Rooftop Air Cooled Note 3 as shown below.
 - b. REVISE Heat Pump Schedule - Rooftop Air Cooled SCCR for RTU-5 and RTU-6 to 22000.
 - c. REVISE Heat Pump Schedule - Rooftop Air Cooled RTU-3 information as shown below.

HEAT PUMP SCHEDULE - ROOFTOP AIR COOLED

NOTES:

1. BELT DRIVE INDOOR MOTOR WITH ADJUSTABLE SHEAVES.
2. ~~COOLING MBH BASED ON 105° ENTERING CONDENSER AIR TEMPERATURE.~~
3. HEAT PUMP SHALL CONTINUE TO OPERATE DOWN TO 0° AT A REDUCED CAPACITY.
4. ~~PROVIDE CURB ADAPTER TO MOUNT UNIT ON EXISTING ROOF CURB.~~
5. UNIT HAS MODULATING SCR HEATING.

TAG NAME	AREA SERVED	CFM	OA CFM	STATIC PRESSURE	COOLING						HEATING				MIN. COP	VOLTAGE	PHASES	MOCP (AMPS)
					NOMINAL TONS	EAT		MBH (NOTE 2)		MIN. EER	UNIT HEATING		AUXILIARY HEAT					
						DB °F	WB °F	TOTAL	SENSIBLE		EAT DB °F	TOTAL MBH (NOTE 3)	KW	# OF STAGES				
RTU-1	CLASSROOMS 1 & 2	1800	0	1	4	75.0	62.0	42.1	41.2	11.4	70	42.3	6	2	2.3	208	3	45
RTU-2	RECEPTION SUITE	1300	0	1	3	75.0	62.0	31.3	31.3	12.2	70	32.7	6	2	2.6	208	3	40
RTU-3	DINING & STUDENT ACTIVITY AREA	4600	2200	1.19	20	86.0	71.6	206.6	131.5	8.3	31.5	156.8	99	NOTE 5	3.7	208	3	400

GENERAL COMMENTS:

1. Original RTU roof curbs were sized for:

PLAN MARK	MANUF.	MODEL
RTU-1	TRANE	TFD120C
RTU-2	TRANE	TCH075C
RTU-3	TRANE	TCH120C
RTU-4	TRANE	TFD120C
RTU-5	TRANE	TFD102C
RTU-6	TRANE	TCH102C

Contractor to verify existing RTU model, serial number, and dimensions for roof curbs.

2. The Pre-Bid Meeting was held October 2, 2019. The Pre-Bid Meeting sign-in sheet is attached.
3. Please contact Kelly Copeland, Contract Specialist, at 573-522-2283 or kelly.copeland@oa.mo.gov for questions regarding bidding procedures and MBE/WBE/SDVE submittal requirements.
4. The deadline for technical questions was October 9, 2019 at 5:00 PM.
5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
6. Changes to, or clarification of, the Bid Documents are only made as issued in the Addenda.
7. Current Planholders list is available at: <https://www.adsplanroom.net/jobs/185/planholders/e1806-01-hvac-replacement-autumn-hill-state-school>
8. Prospective bidders contact American Document Solutions, 1400 Forum Blvd Suite 1C, Columbia MO 65201, 573-446-7768 to order official plans and specifications.

ATTACHMENTS:

1. Pre-Bid Meeting Sign-In Sheet

October 11, 2019

END ADDENDUM NO. 1

Pre-Bid Meeting Attendance Sheet
HVAC Replacement
Autumn Hill State School
Union, MO

Project No. E1806-01
 October 2nd, 2019 10:00am

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address
Jared Cook	OA/FMDC		573-690-6733	jared.cook@oa.mo.gov
Chris M. Donnell	DA		573 338-1328	christopher.m.donnell@da.mo.gov
Bob Self	OA/FMDC		636-448-2440	Robert.Self@oa.mo.gov
MIKE KRAMPF	SMCI		314-803-1029	MIKE.KRAMPF@SMCIHVAC.COM
Kate Dennis	IMEG Corp.		314-282-8127	kate.m.dennis@imegcorp.com
DEAN BOWLIN	DEKA SERVICE		314.276.0804	DEAN@DEKASERVICE.NET

**Pre-Bid Meeting Attendance Sheet
 HVAC Replacement
 Autumn Hill State School
 Union, MO**

**Project No. E1806-01
 October 2nd, 2019 10:00am**

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address
Heath Buschmeyer Maintenance Workbook	OAH/EMDC		(314) 640-9819	Heath.Buschmeyer@oahmo.gov
Terry Presley BAS Estimator	Trane		636-305-3607	terry.presley@trane.com
Seth Siskin Operations Manager	Fisher Environmental Controls		573-449-2483 573-220-6007	seths@fisherenvcontrols.com
Andy Brandt Manager	Master Construction HVACR		618 779 9032	AABrandt@Master.com
Dan Tucker President	MC Service HVAC		314-565-4623	dtucker@mc-service.com
Gene Ruzicka Service Manager	Defers-Erdler		314-520-5225	gene@defers-erdler.com

Pre-Bid Meeting Attendance Sheet
HVAC Replacement
Autumn Hill State School
Union, MO

Project No. E1806-01
 October 2nd, 2019 10:00am

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address
Tom Butzen	IFS		636-680-2100	TOMB@INTFS.COM
DAVID MUNDLIVER	MUNDLIVER ELECTRIC LLC		636-334-1058	bids@mundliverelectric.com
Jim Sallwasser	Wiegmann Assoc.		636-757-2055	jsallwasser@waidb.com
Jim Stanez	AC Systems		314 552 2131	jstanez@acsystemsinc.net