Addendum Number Two

Bama Dining Exhaust Hood Project
The University of Alabama
Tuscaloosa, Alabama

UA Project Number: T39-20-001

Bid Time & Date: Thursday, October 31, 2019 at 11:00 am local time

UA Procurement Services Annex, 405 Cahaba Circle, Tuscaloosa, AL 35401

Date: October 28, 2019

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated October 18, 2019. Acknowledge receipt by inserting its number on the Bid Proposal Form. Failure to do so may subject Bidder to disqualification.

This Addendum to the Bid Documents includes the following:

1. New Date and Time for Bid Opening - Thursday, October 31, 2019 at 11:00 am.
2. Liquidated Damages are $500 per calendar day.
3. Questions from bidders and answers.
   1. Please clarify VFD quantity. Per bid documents, we are to provide and install sixteen (16) VFDs. At site visit, the Melink rep advised that only six (6) new VFDs will be required. Install six (6) new VFDs instead of 16.
   2. Please clarify motor upgrade requirements. Per bid documents, we are to provide and replace four (4) fan motors. At site visit, the Melink rep advised that zero (0) motor upgrades are required. Install zero (0) fan motors instead of 4.
   3. Please clarify whether or not integration to BAS is required. If required, are we to include Alabama Controls in our pricing or will this portion of the work be owner-provided? Alabama Controls will have a separate contract with UA to tie in BAS controls to the Melink controllers.
   4. The Melink rep advised that the current drawings are not accurate and they intend to issue a revised set by Monday, October 28, 2019. Please see attached revised drawings.

5. Other changes to the scope of work:
   A. Remove the Patio Grille from the scope of work.
   B. Only two of the three hoods in the Mexican restaurant will be upgraded with Melink controls.
   C. Install three (3) auxiliary lighting controllers for the 1831 Kitchen area.
DETAIL 9:
WIRING TO MUA UNIT

SYSTEM CONTROLLER

MAKE UP AIR UNIT

R1

R2

REVISIONS:
PROJECT:
SCALE: NOT TO SCALE

Energy solutions for a brighter tomorrow

R1

R2

I-2.1
A) TERMINALS 8 AND 9 WILL PROVIDE 24VDC SET TO 24/7. AS LONG AS THE SYSTEM CONTROLLER HAS POWER, 24VDC WILL BE PRESENT. THE N.O. CONTACTS WILL CLOSE PROVIDING 0–10VDC TO ECM TERMINAL 3. THE N.C. CONTACT TO ECM REMOTE CONTACT WILL BE OPEN.

B) MELINK SYSTEM CONTROLLER WILL OUTPUT 0–10 VDC SPEED SIGNAL TO THE ECM MOTOR ON TERMINALS 12 AND 13. THIS IS TO BE CONNECTED TO TERMINALS 1 AND 3 FROM ECM MOTOR.

C) WHEN REMOTE IS ACTIVATED THE SYSTEM CONTROLLER WILL LOSE POWER. THE RELAY WILL OPEN TO ECM TERMINAL 3 AND THE RELAY WILL CLOSE TO ECM TERMINAL 2 sending the ECM to FULL SPEED.

D) USE 18AWG SHIELDED 4 CONDUCTOR MINIMUM, PLÜNUM-RATED CABLE (PROVIDED BY ELEC/MECH CONTRACTOR)
A) When the fans are turned on, the system controller will send 24VDC to a relay. The N.O. relay contacts should be wired to the MUA unit to start the unit.

B) When in heat mode, the MUA unit will energize a relay to provide a dry contact closure to the digital input module. This input will signal the system controller to increase the minimum fan speed and maintain the proper airflow across the surface of the heat exchanger.

C) MUA control relays are the responsibility of the mechanical contractor if not provided by MUA TEC.

D) 18 AWG shielded 4-conductor plenum-rated cable is typically recommended. Terminals will accept 16-26 gauge wire.

E) Note relay terminals have a maximum capacity of 5A at either 120 or 230VAC.
Energy solutions for a brighter tomorrow