

ADDENDUM NO. 2

TO

RED CLAY CONSOLIDATED SCHOOL DISTRICT  
CONRAD SCHOOLS OF SCIENCE  
BID PACKAGE 'A'

This addendum is hereby made part of the Project Manual and Drawings dated February 9, 2015.

The Project Manual and Drawings shall be supplemented or amended as specified herein.

This Addendum contains changes to the requirement of the Project Manual. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of a paragraph of the Project Manual, the remainder of the paragraph affected shall remain in force. Added information is shown as **Bold**, deleted information is shown as ~~striketrough~~.

This Addendum contains changes to the requirement of the Drawings. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of any drawing, the remainder of the drawing affected shall remain in force. Added, deleted or revised information is shown as "clouded".

The conditions and terms of the basic Contract Documents shall govern work unless otherwise described in this Addendum. Whenever the conditions of work, and the quality or quantity of materials, or workmanship are not fully described in this Addendum, the conditions of work included in the basic Contract Documents for similar items of work shall apply to the work described in this Addendum.

If no similar items of work are included in the basic Contract Document, the best quality of material and workmanship shall apply and all work shall be subject to the written acceptance of the Architect.

**THE BID OPENING DATE REMAINS THE SAME. ALL BIDS ARE DUE AT THE RED CLAY CONSOLIDATED SCHOOL DISTRICT OFFICE 1798 LIMESTONE RD, WILMINGTON, DELAWARE 19804 UNTIL 2:00 P.M. LOCAL TIME ON MARCH 11, 2013.**

**NO FURTHER QUESTIONS CAN BE ASKED OR RESPONDED TO.**

**BIDDERS ARE ADVISED THAT THE ONLY RELIABLE SOURCE OF DOCUMENTS FOR THIS SOLICITATION IS THE EDIS FTP SITE. BIDDERS THAT RELY ON INFORMATION PUBLISHED ON ANY OTHER COMMERCIAL WEBSITES DO SO AT THEIR OWN RISK.**

**BIDDERS CAN CONTACT DARIN KELLAM TO SCHEDULE A SITE VISIT AT 302-528-0103.**



Addendum No. 2 – Consists of the following:

- I. Response to Bidders' Questions
- II. Revisions to Project Manual/Specifications
- III. Revisions to Drawings

**I. RESPONSES TO BIDDERS' QUESTIONS**

1. Can you please confirm that Contract A-01 Mechanical & Controls package is responsible for all power wiring to HVAC equipment  
Answer - No. Electrical power to units will be bid out separately in Bid Pac "B". Bid Pac "B" will be out for bid in approximately 2 or 3 weeks.
2. On drawing M-112, they show ACC3 sitting just off the pad for ERU2. What are these units sitting on? Is the existing pad going to be extended? Do we need to include supports under the new units? I also thought there were trees in this area, are they being removed?  
Answer - Refer to Addendum #2
3. Could you provide the line size of the pipe and the existing valve serving the new Unit Ventilator? It is not shown on the drawings.  
Answer - Refer to Addendum #2
4. Attached is Trane's request to be named for the following equipment for Conrad School of Science: Unit Ventilators, ERUs, VRF System. In addition to the request, submittals for each item are attached for your and the engineers review.  
Answer - Request is approved by owner, refer to Addendum #2
5. "I saw your email listed on Addendum 1 as the contact for questions on the Conrad School project, and I am reaching out with a request to be named on some equipment. I understand the last day for questions is today (3/4/15), but we did not receive drawings until this morning. We take no exceptions to the specifications and will provide a competitive bid.  
Attached is Trane's request to be named for the following equipment for Conrad School of Science: Unit Ventilators, ERUs, VRF System. In addition to the request, submittals for each item are attached for your and the engineers review."  
Answer - Request is approved by owner, refer to Addendum #2
6. I would like to confirm that the mechanical contractor owns patching, painting, concrete and doors shown on drawings A-101, A-102, A-103 and A-610.  
Answer - Patching regarding installation of mechanical units will be contracted separately in Bid Pac "B". However, all cutting is the responsibility of the Mechanical and Controls Contractor. Having said that all cutting must be done in a responsible manner. If excessive demolition or cutting occurs, the repairs or replacement to existing finishes will be the responsibility of this contractor. Concrete curbs/pads are the responsibility of this contractor. Doors, frames and hardware will be provided by others in Bid Package B.
7. On M-112 A1 it states mount URU on Existing Conc. Pad TYP 2 and it gives you the service clearance. On D3 it shows ACC-3.1 & 3.2 but does not mention if they will fit on existing pad or not. Is a new equipment pad required?  
Answer - Refer to Addendum #2
8. Please forward to Furlow Associates Magic Aire by BSS to be approved equal  
Answer - Request is NOT approved by owner

**II. REVISIONS TO PROJECT MANUAL/SPECIFICATIONS**

1. Section 23 0451, "VARIABLE REFRIGERANT FLOW SPLIT SYSTEM HEAT RECOVERY WITH WIMULTANEOUS HEATING AND COOLING"



- a. Page 23 0451-5, Paragraph 2.5: ADD Trane as an acceptable manufacturer.
2. Section 23 0730, "AIR HANDLING EQUIPMENT"
  - a. Page 23 0730-6, Paragraph 2.1, L.1: ADD Trane as an approved manufacturer.
3. Section 23 0760, "AIR HANDLING EQUIPMENT"
  - a. Page 23 0760-2, Paragraph 2.1, A: REVISE to read:

"A. Furnish and install a hybrid heat pump unit for treatment of ventilation air per plans and specifications. Manufacturers: Reznor, Trane"
4. Section 23 0900, "AUTOMATIC TEMPERATURE CONTROL"
  - a. Page 23 0900-2, Paragraph 1.5, B: REMOVE the word 'Pneumatic' from the first sentence.
  - b. Page 23 0900-3, Paragraph 2.4, D: REMOVE items #3, 4 and 5 in its entirety.
  - c. Page 23 0900-4, Paragraph 2.4 E. Humidity Transmitters: REMOVE in its entirety.
  - d. Page 23 0900-5, Paragraph 2.5, E. REMOVE items #2 and #3 in its entirety.
  - e. Page 23 0900-6, Paragraph 2.8 Motorized, Rotary Electric Control Valves: REMOVE in its entirety.
  - f. Page 23 0900-6, Paragraph 2.9, A. Unit Ventilator with Dual Temperature Coils: REMOVE and REPLACE with the following:

"E. Unit Ventilator with Dual Temperature Coils

    1. The sequence that follows is typical for all units. Each unit ventilator shall be controlled by an individual DDC controller. Fan speed shall be selected manually at each unit.
      - a. Provide a wall mounted space temperature sensor which shall be wired to the DDC controller.
      - b. Provide a fully modulating, 2-way control valve and actuator for the water coil for installation in the unit.
      - c. Provide actuators for the face & bypass dampers, and the outside air/return air dampers.
    2. Morning warm-up:
      - a. Based on the occupancy schedule in the existing OWS and prior to the switchover to occupied cycle, the fan shall energize, outside air damper shall remain closed, face & bypass dampers shall open to full face position, and control valve shall open full to coil until space temperature is restored to the



occupied setpoint for either heating or cooling. When occupied temperature is reached, the outside damper shall open to occupied position. Return air damper shall move in unison.

3. Occupied Mode:
  - a. During the programmed occupied mode, the supply fan shall run continuously with the outside air damper open to its minimum position. On a rise in temperature above the programmed cooling set-point, 75°F (adjustable), the 2-way control valve shall open full to the coil and the space sensor shall modulate the face & bypass dampers to maintain set-point. On a fall in temperature the reverse shall occur.
  - b. On a drop in temperature below the programmed heating set-point, 70°F (adjustable), the 2-way control valve shall modulate open to the coil with the face & bypass dampers open to full face on the coil to maintain set-point. Once the outside air temperature is at or below 40°F (adjustable), the 2-way control valve shall open full to coil, the face & bypass dampers shall modulate to maintain room setpoint. On a rise in temperature the reverse shall occur.
4. Unoccupied Mode:
  - a. During the programmed un-occupied cooling and heating modes, the fan shall cycle, the coil control valve shall modulate to maintain the un-occupied set-points 85°F cooling/60°F heating, (adjustable). The outside air damper shall remain closed, return air damper shall fully open, face & bypass dampers shall be fully open to coil face.
5. Provide a current sensor on one phase of power feeding the supply fan for status indication at the Operator's Terminal.
6. If the discharge temperature fails to rise or fall to a programmed minimum temperature during a call for heating or cooling, a low or high temperature alarm shall be activated at the Operator's Terminal.
7. A low limit control (freeze stat) shall be installed in the unit. When tripped, the freeze stat shall function to de-energize the supply fan, damper actuators, and water control valve. When de-energized, the damper actuator shall spring return the outside air damper closed, open face & bypass dampers to full face, and the water coil control valve shall spring return open to the coil. When the freeze-stat trips, an alarm shall be generated at the Operator's Terminal.
8. The following items shall be displayed at the Operator's Terminal:
  - a. Space temperature.
  - b. Space temperature set-point.
  - c. Low Space temperature alarm.
  - d. High Space temperature alarm.
  - e. Discharge temperature.
  - f. Global outside air temperature.
  - g. Freeze stat status, normal/alarm.
  - h. Commanded status of fan, off/on.
  - i. Commanded position of control valve, open/closed.
  - j. Commanded position of OA damper, open/closed."



**I. REVISIONS TO DRAWINGS**

1. Drawing MD-100, "BASEMENT FLOOR PLAN AREA A DEMOLITION MECHANICAL"

a. REVISE Note #1 to read:

"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."

b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

c. Revise Note #3 to read:

"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

d. Revise Note #5 to read:

"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

2. Drawing MD-101, "BASEMENT FLOOR PLAN AREA B DEMOLITION MECHANICAL"

a. REVISE Note #1 to read:

"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."

b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED



FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

- c. Revise Note #3 to read:

"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

- d. Revise Note #5 to read:

"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

3. Drawing MD-102, "BASEMENT FLOOR PLAN AREAS C&D DEMOLITION MECHANICAL"

- a. REVISE Note #1 to read:

"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."

- b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

- c. Revise Note #3 to read:

"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

- d. Revise Note #5 to read:

"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

4. Drawing MD-110, "FIRST FLOOR PLAN AREA A DEMOLITION MECHANICAL"

- a. REVISE Note #1 to read:



"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."

- b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

- c. Revise Note #3 to read:

"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

- d. Revise Note #5 to read:

"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

5. Drawing MD-111, "FIRST FLOOR PLAN AREA B DEMOLITION MECHANICAL"

- a. REVISE Note #1 to read:

"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."

- b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

- c. Revise Note #3 to read:





"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

- d. Revise Note #5 to read:

"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

6. Drawing MD-112, "FIRST FLOOR PLAN AREA C DEMOLITION MECHANICAL"

- a. REVISE Note #1 to read:

"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."

- b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

- c. Revise Note #3 to read:

"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

- d. Revise Note #5 to read:

"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

7. Drawing MD-120, "SECOND FLOOR PLAN AREA A DEMOLITION MECHANICAL"

- a. REVISE Note #1 to read:

"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."



- b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

- c. Revise Note #3 to read:

"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

- d. Revise Note #5 to read:

"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

8. Drawing MD-121, "SECOND FLOOR PLAN AREA B DEMOLITION MECHANICAL"

- a. REVISE Note #1 to read:

"REMOVE EXISTING UNIT VENTILATOR COMPLETELY. THIS SHALL INCLUDE OA CONNECTIONS, WALL SLEEVE, 1" DUAL TEMPERATURE PIPING CONNECTIONS AND CONTROLS. EXISTING OA LOUVER SHALL REMAIN AND BE REUSED."

- b. Revise Note #2 to read:

"DISCONNECT PIPING AT EXISTING SHUT-OFF VALVES IN CEILING. SHUT-OFF VALVES SHALL REMAIN AND BE REUSED. REMOVE CONTROL VALVES. REMOVE PIPING UP TO UNIT VENTILATORS ABOVE. EXISTING PIPING FEEDING DOWN TO UNIT VENTILATORS SHALL BE REUSED EXCEPT FOR MODIFICATIONS REQUIRED FOR CONNECTIONS TO UNIT VENTILATOR. DISCONNECT AND REMOVE CONTROL WIRING AS REQUIRED."

- c. Revise Note #3 to read:

"TEMPORARILY REMOVE PIPE ENCLOSURE (HORIZONTAL) TO ALLOW FOR PIPING CONNECTIONS/MODIFICATIONS. PIPING DROPS IN VERTICAL ENCLOSURES SHALL REMAIN. REINSTALL PIPE ENCLOSURES AFTER WORK IS COMPLETE AND ACCEPTED. PROVIDE TOUCH-UP PAINT IF REQUIRED."

- d. Revise Note #5 to read:



"REMOVE THERMOSTAT AND WIRING. RE-USE LOCATION FOR NEW WORK."

9. Drawing M-100, "BASEMENT FLOOR PLAN AREA A MECHANICAL"

- a. ADD thermostat for UV-9 in Dark Room 232V.
- b. ADD the following:

"GENERAL NOTES:

- 1. PIPING INDICATED WITHIN VERTICAL PIPE ENCLOSURE SHALL REMAIN. REPLACE 1" PIPING WITHIN HORIZONTAL PIPE ENCLOSURE AS REQUIRED FOR NEW CONNECTIONS TO UNIT VENTILATOR.
- 2. PROVIDE A NEW WALL SLEEVE AND CONNECT TO EXISTING OA LOUVER – TYPICAL FOR ALL UNIT VENTILATORS (REFER TO DETAIL ON DWG. M-600)."

10. Drawing M-102, "BASEMENT FLOOR PLAN AREAS C&D MECHANICAL"

- a. ADD the following.

"GENERAL NOTES:

- 1. PIPING INDICATED WITHIN VERTICAL PIPE ENCLOSURE SHALL REMAIN. REPLACE 1" PIPING WITHIN HORIZONTAL PIPE ENCLOSURE AS REQUIRED FOR NEW CONNECTIONS TO UNIT VENTILATOR.
- 2. PROVIDE A NEW WALL SLEEVE AND CONNECT TO EXISTING OA LOUVER – TYPICAL FOR ALL UNIT VENTILATORS (REFER TO DETAIL ON DWG. M-600)."

11. Drawing M-110, "FIRST FLOOR PLAN AREA A MECHANICAL"

- a. ADD the following.

"GENERAL NOTES:

- 1. PIPING INDICATED WITHIN VERTICAL PIPE ENCLOSURE SHALL REMAIN. REPLACE 1" PIPING WITHIN HORIZONTAL PIPE ENCLOSURE AS REQUIRED FOR NEW CONNECTIONS TO UNIT VENTILATOR.
- 2. PROVIDE A NEW WALL SLEEVE AND CONNECT TO EXISTING OA LOUVER – TYPICAL FOR ALL UNIT VENTILATORS (REFER TO DETAIL ON DWG. M-600)."

12. Drawing M-111, "FIRST FLOOR PLAN AREA B MECHANICAL"

- a. ADD the following.

"GENERAL NOTES:



1. PIPING INDICATED WITHIN VERTICAL PIPE ENCLOSURE SHALL REMAIN. REPLACE 1" PIPING WITHIN HORIZONTAL PIPE ENCLOSURE AS REQUIRED FOR NEW CONNECTIONS TO UNIT VENTILATOR.
2. PROVIDE A NEW WALL SLEEVE AND CONNECT TO EXISTING OA LOUVER – TYPICAL FOR ALL UNIT VENTILATORS (REFER TO DETAIL ON DWG. M-600)."

13. Drawing M-112, "FIRST FLOOR PLAN AREA C MECHANICAL"

- a. ADD the following.

"GENERAL NOTES:

1. PIPING INDICATED WITHIN VERTICAL PIPE ENCLOSURE SHALL REMAIN. REPLACE 1" PIPING WITHIN HORIZONTAL PIPE ENCLOSURE AS REQUIRED FOR NEW CONNECTIONS TO UNIT VENTILATOR.
2. PROVIDE A NEW WALL SLEEVE AND CONNECT TO EXISTING OA LOUVER – TYPICAL FOR ALL UNIT VENTILATORS (REFER TO DETAIL ON DWG. M-600)."

- b. ADD note to ACC-3: "PROVIDE A FROST CURB/PAD. REFER TO DETAIL M-600."

14. Drawing M-120, "SECOND FLOOR PLAN AREA A MECHANICAL"

- a. ADD the following.

"GENERAL NOTES:

1. PROVIDE A NEW WALL SLEEVE AND CONNECT TO EXISTING OA LOUVER – TYPICAL FOR ALL UNIT VENTILATORS (REFER TO DETAIL ON DRAWING M-600)."

15. Drawing M-121, "SECOND FLOOR PLAN AREA B MECHANICAL"

- a. ADD the following.

"GENERAL NOTES:

1. PROVIDE A NEW WALL SLEEVE AND CONNECT TO EXISTING OA LOUVER – TYPICAL FOR ALL UNIT VENTILATORS (REFER TO DETAIL ON DRAWING M-600)."

16. Drawing M-500, "SCHEDULES MECHANICAL":

- a. UNIT VENTILATOR SCHEDULE: REVISE Note #1 to read:

"1. UNIT VENTILATOR SHALL BE PROVIDED WITH A FREEZESTAT, TERMINAL STRIP, WALL BOX, FACE & BY-PASS OPERATION AND END PANELS."

17. Drawing M-600, "DETAILS MECHANICAL"



a. CLASSROOM UV CONNECTION DETAILS:

- DOWNFEED: REVISE notes to read:

"EXISTING DUAL TEMP WATER SUPPLY & RETURN WITHIN VERTICAL ENCLOSURE."

- INSTALLATION: REVISE note to read:

"20 GAUGE METAL PANEL TO CONCEAL EXISTING WALL OPENING, SEAL AIRTIGHT. PROVIDE OA OPENION IN PANEL 8"H x UNIT'S OA OPENING LENGTH. PROVIDE 1"THICK RIGID INSULATION TO INSIDE SURFACE OF METAL PANEL."

END OF ADDENDUM NO. 2