

PRESTON COUNTY BOARD OF EDUCATION  
KINGWOOD, WEST VIRGINIA  
**PRESTON HIGH SCHOOL**  
**HVAC UPGRADES**

**ADDENDUM #2**

**March 26, 2021**  
**THRASHER PROJECT #101-060-10138**

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on March 19, 2021 at 10:00am on the above-referenced project, a copy of the sign in sheet is included in this Addendum. The following are clarifications and responses to questions posed by contractors for the above reference project.

**A. GENERAL**

Not Applicable.

**B. SPECIFICATIONS**

Not Applicable.

**C. DRAWINGS**

1. Drawing M3.01:  
Refer to UNIT VENT SCHEDULE, Delete Notes and replace with;  
NOTES:  
1. ABOVE CEILING 2-PIPE UNIT VENTILATOR WITH ECONOMIZER,  
FACE AND BYPASS DAMPER, DISCONNECT, 3-WAY VALVE, MERV 8  
FILTER, HORIZONTAL SUPPLY DUCT COLLAR, HORIZONTAL RETURN  
DUCT COLLAR, HORIZONTAL O.A. DUCT COLLAR.

**D. QUESTIONS AND RESPONSES**

**QUESTION #1:** Note No.1 on the unit ventilator schedule states to provide wall louver. Notes on M1.01 and M1.02 give the impression that existing louvers are to remain. Please clarify.

**RESPONSE:** Existing louvers are to be used.

**QUESTION #2:** The current conditions of the existing ducts appear that there is no existing insulation. Note B on M1.01 and M1.02 state “install insulation and vapor barrier to match existing.” The insulation spec states that all supply, return, exhaust, and outside air are to be insulated. Please confirm if existing duct is internally lined. If not, please confirm that all existing duct associated with each unit ventilator being replaced is to be insulated under this contract.

**RESPONSE:** Provide R6 insulation with vapor barrier for all new duct work.

**QUESTION #3:** Note H on M1.01 and M1.02 says “Extend existing circuit with new disconnect. Size per manufacture” does the MOCP of the new equipment match the existing breaker size of the existing equipment? If the existing breakers are larger then what is required for the new equipment, can a fused disconnect be installed?

**RESPONSE:** Verify existing electrical condition. Upsize circuit and breaker as required.

**QUESTION #4:** Can a coil connection detail be provided showing all required components?

**RESPONSE:** See attached sketch SK-M1.

**QUESTION #5:** Note No.1 on the unit ventilator schedule states that new equipment is to be self-contained heat pump with scroll compressors. It is our understanding that the existing are fan coils connected to a 2-pipe change over system. Please clarify if new equipment is to be heat pumps or fan coils.

**RESPONSE:** See attached revised schedule.

**QUESTION #6:** Can maintenance be performed during normal business hours or does it need to be performed when class is not in session?

**RESPONSE:** For bidding purposes assume maintenance work will be performed after 3:00 PM on weekdays.

**QUESTION #7:** Based on notes on M3.01 the 2-year maintenance preventative maintenance plan should include 8hrs of PM performed on a bi-monthly basis for the duration of the plan. PM should consist of items listed under maintenance plan notes and manufacture required/recommended maintenance. Is this correct?

**RESPONSE:** Yes.

**QUESTION #8:** Please clarify note 5 on M3.01 where it states provide 24hrs/ year in addition to required service calls. If we are to provide 8hrs of PM work on a bi-monthly basis, this is a total of 48hrs per year.

**RESPONSE:** The intent is 48hrs per year.

**QUESTION #9:** Do new unit ventilators need to be suspended with vibration isolators?

**RESPONSE:** Yes.

**QUESTION #10:** Can the existing isolation valves remain with new valves to be installed downstream?

**RESPONSE:** Existing shut-off valves may be reused, restore as required to be like new condition.

**QUESTION #11:** Does the existing hydronic system contain glycol?

**RESPONSE:** Yes, verify percentage.

**QUESTION #12:** Who owns the existing fire alarm system for the building?

**RESPONSE:** ASAP

**QUESTION #13:** Are there existing smoke detectors installed in the system? If so, can they be re-used?

**RESPONSE:** If existing are in good working condition, they may be re-used.

**QUESTION #14:** Are we reusing the existing control valves on the Unit Ventilators?

**RESPONSE:** Existing control valves may be reused, restore as required to be like new condition.

**QUESTION #14:** Do you want contractors to provide new hose kits and piping packages with the Unit Ventilators?

**RESPONSE:** Yes.

## **E. CLARIFICATIONS**

Not Applicable.

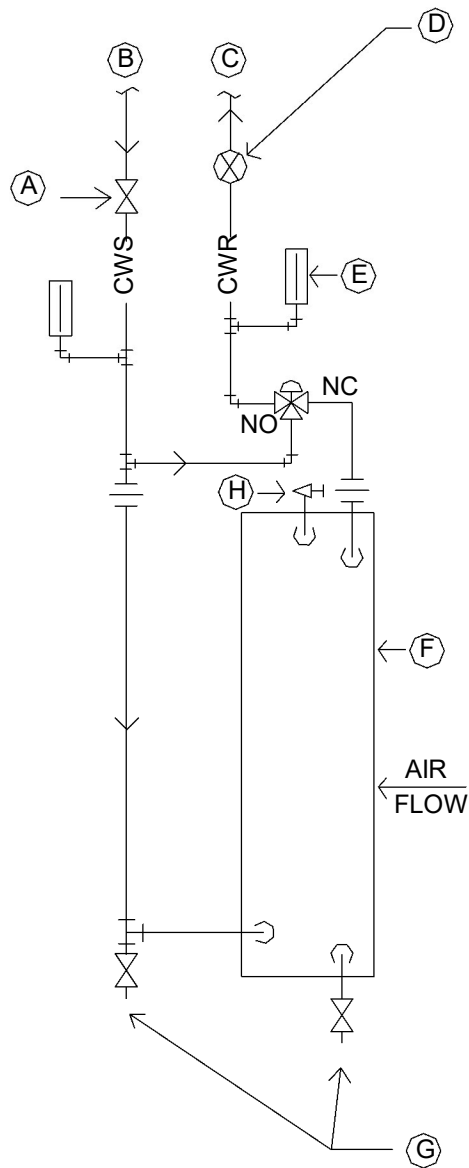
If you have any questions, please feel free to contact me at [kqblackwood@thethrashergroup.com](mailto:kqblackwood@thethrashergroup.com). As a reminder, bids will be received until 11:00 am on March 31, 2021 at Preston County Schools BOE Offices in Kingwood, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.



Kenton Blackwood  
Project Manager



- (A) GATE OR BALL VALVE (TYPICAL)
- (B) SUPPLY
- (C) RETURN
- (D) CIRCUIT SETTER
- (E) THERMOMETER (TYPICAL)
- (F) COOLING COIL
- (G) 3/4" HOSE END DRAIN VALVE
- (H) MAV=MANUAL AIR VENT

## CHILLED WATER

NOTE:  
1. THREE WAY CONTROL VALVES SHALL BE UNION TYPE OR FLANGED DEPENDING ON SIZE.

# AC UNIT CONNECTIONS

SCHEMATIC

CONSTRUCTION DOCUMENTS  
PRESTON HIGH SCHOOL HVAC  
UPGRADES

KINGWOOD, WV



**Harper**  
Engineering

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St Albans, WV 25177

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**SK-M1**

Date: 03/26/21