



**LAWRENCE PERRY & ASSOCIATES**  
Consulting Engineers

**ADDENDUM 1**

**CLIENT:** Pulaski County Public Schools

**PROJECT:** PCHS CTE – Heating Systems Renovation  
ITB #22-1001

**DATE:** January 18, 2022

**PREPARED BY:** Rick Hughes

The below information constitutes additional, supplemental, or clarifying information to the issued for bid documents, drawings dated 12/16/2021 and project manual dated 12/16/2021. Information issued by addendum shall take precedent over previously issued documents.

**ADDENDUM 1**

Item 1:

- Pre-Bid Question Received:  
“There are no specifications for the electrical panelboards or transformers “
- Response:
  1. DISTRIBUTION TRANSFORMERS (SHOP DRAWINGS REQUIRED): TRANSFORMERS SHALL BE DRY-TYPE, SHALL HAVE 150 DEG. C RISE ABOVE 40 DEG. C AMBIENT, SHALL HAVE VENTILATED HEAVY GAUGE SHEET STEEL ANSI 49 COLORED ENCLOSURE, SHALL BE QUIET TYPE OPERATING AT PUBLISHED ANSI SOUND STANDARDS, AND SHALL HAVE COIL AND CORE ASSEMBLIES MOUNTED ON VIBRATION ISOLATORS SPECIFICALLY DESIGNED TO REDUCE 120 HZ SOUND AND MULTIPLE HARMONICS. ALL INSULATING MATERIALS SHALL MEET NEMA ST-20 STANDARDS AND SHALL BE RATED FOR 220 DEG. C U.L. COMPONENT RECOGNIZED INSULATION SYSTEM. THE MAXIMUM TEMPERATURE AT THE TOP OF THE ENCLOSURE SHALL NOT EXCEED 50 DEG. C RISE ABOVE 40 DEG. C AMBIENT. LINEAR TRANSFORMERS SHALL HAVE ALUMINUM WINDINGS. ALL TRANSFORMER EFFICIENCIES SHALL MEET US DEPARTMENT OF ENERGY 2016 STANDARDS. VISIBLY GROUND ALL TRANSFORMER CORES TO ENCLOSURES WITH A FLEXIBLE GROUNDING CONDUCTOR (NO METAL-TO-METAL CONTACT BETWEEN THE CORE AND COIL AND ENCLOSURE OTHER THAN THIS). ALSO PROVIDE

BONDING JUMPER SIZED AS REQUIRED BY NEC ON OUTSIDE OF ASSEMBLY. MAKE PRIMARY AND SECONDARY CONNECTIONS WITH A SHORT LENGTH OF WATER-TIGHT FLEXIBLE METAL CONDUIT. LOCATE TRANSFORMERS AT LEAST 6" CLEAR FROM WALLS, AND PROVIDE ALL CLEARANCES PER THE NEC. PROVIDE TRANSFORMER SIZES AND RATINGS AS INDICATED ON DRAWINGS.

MANUFACTURER SHALL BE SQUARE D, GENERAL ELECTRIC, EATON OR SIEMENS.

2. PANELBOARDS (SHOP DRAWINGS REQUIRED): PANELBOARDS SHALL BE DEAD-FRONT, COPPER BUS, WITH THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKERS IN ACCORDANCE WITH SCHEDULES SHOWN ON THE DRAWINGS. BREAKERS FOR APPLIANCE PANELBOARDS SHALL BE BOLT-ON. BREAKERS FOR DISTRIBUTION PANELBOARDS SHALL BE GROUP MOUNTED PLUG-ON WITH MECHANICAL RESTRAINT ON A COMMON PAN OR RAIL ASSEMBLY, AND WITH LINE-SIDE JAW TYPE CONNECTIONS. SERIES RATING IS NOT ACCEPTABLE. WHERE NON-INSTANTANEOUS TRIP BREAKERS ARE USED, FOLLOW NEC 240.87. FIRE ALARM CIRCUIT BREAKERS SHALL BE RED AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT". PANELBOARDS SHALL HAVE TYPED, FRAMED CIRCUIT DIRECTORIES. THE CIRCUIT DIRECTORIES SHALL INDICATE THE LOAD TYPE AND THE OWNER'S ROOM NAMES/NUMBERS (NOT THE CONSTRUCTION DOCUMENT ROOM NAMES/NUMBERS). DOORS SHALL HAVE LOCKS AND BE KEYED ALIKE. EMPTY SPACES SHALL BE FULLY BUSSED WITH HARDWARE FOR FUTURE BREAKERS.

MANUFACTURER SHALL BE SQUARE D, GENERAL ELECTRIC, EATON OR SIEMENS.

Item 2:

- Pre-Bid Question Received:  
"Square D is not listed as an acceptable manufacturer for variable frequency drives. Can Square D be added as an acceptable manufacturer?"
- Response:  
Yes, Square D is acceptable for variable frequency drives.

Item 3:

- Pre-Bid Question Received:  
"For the controls portion of this project, is there a specific controls contractor that is preferred?"

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- Response:  
Yes, HVAC controls shall be by Honeywell.

**END**



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**ATTENDANCE REGISTER FOR PRE-BID CONFERENCE**

**PROJECT:** Pulaski County High School CTE Center – Heating System Renovations

**COMM. NO.:** 19147

**DATE:** January 12, 2022      **TIME:** 10:00 am      **LOCATION:** Pulaski County High School CTE Center

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