SUFFOLK
PUBLIC SCHOOLS

Department of Purchasing
100 N. Main Street, 2nd Floor
Suffolk, VA 23434
(757) 925-6762 (757) 925-6763

January 27, 2021

To All Interested Parties:

Subject: **Addendum #1**
Two Boilers for Kings Fork Middle School

Please note the following questions received regarding the above IFB.

Question: **Intent: State that one boiler needs to be operational throughout the replacement process. Section III Bullet Point #3 & #8: States that the new piping shall be a primary secondary piping loop. The two existing boilers would have to be shut down for a period of time to make these piping modifications.**
• Would Suffolk schools accept a condensing "Full Flow" boiler and leaving the piping configuration as it currently is. This would give us the ability to install one boiler at a time and reduce piping modifications.
• If a primary secondary piping loop is required. Please advise on how long the heating hot water system can be down to complete this work.

Answer: SPS will not change the boiler type specified in the bid documents. The boiler must have boiler tube modules. We will accept an equivalent to the boiler specified in the bid documents but bidder must provide specification sheet for any other boiler. SPS will accept utilization of the existing piping configuration without a secondary loop. Until such time that SPS returns students to face to face instruction, the boiler system can be shut down from Wednesday after 5:00 until the following Monday morning. However, one boiler must be back online by Monday at 5:00 p.m. This provides a 5 day window.

Question: **If a primary secondary piping system is elected. The scope of work does not identify each primary boiler water pump for the two new condensing boilers. Please advise on the required pump conditions and is there electrical power available.**

Answer: Existing pumps and pump configuration are to be used. Electrical power is available

Question: **Due to the amount of existing piping and electrical conduits in the path from the new boilers to above the existing roll up doors. Would it be permissible to run the combustion air up and through the roof?**

Answer: SPS prefers combustion air piping be run through the wall as indicated in the bid documents

REQUESTS FOR DRAWINGS:

See attached

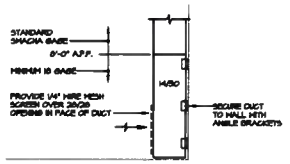
SITE VISITS:

Please see original bid documents surrounding site visits.

Please email Anthony Hinds at anthonyhinds@spsk12.net if you have any additional questions.

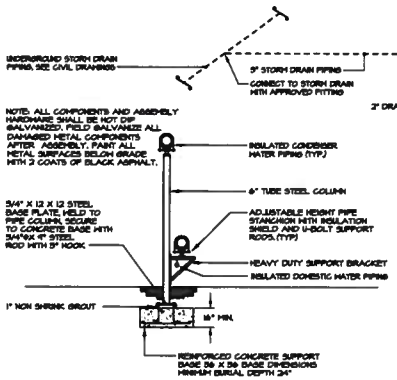
Issued by:

Anthony Hinds
Purchasing Manager



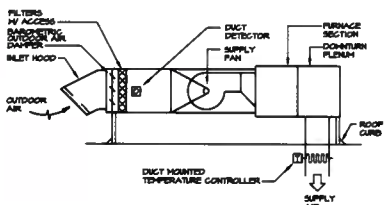
CHILLER EXHAUST DUCT DETAIL

NTS



PIPE SUPPORT DETAILS

NTS



H&V UNIT SEQUENCE:

A. UNIT FAN SHALL BE ENERGIZED BY EITHER ONE OF THE FOLLOWING CONTROLS:
   1. WALL MOUNTED TEMPERATURE ZONE/OR SET AT 75 DEGREES.
   2. BOILER INTERLOCK SYSTEM, FAN SHALL BE ENERGIZED WHENEVER EITHER BOILER IS FIRED.

B. UNIT HEATING CAPABILITY SHALL BE CONTROLLED BY DUCT MOUNTED SENSOR SET TO MAINTAIN SUPPLY AIR TEMPERATURE AT 70 DEGREES.

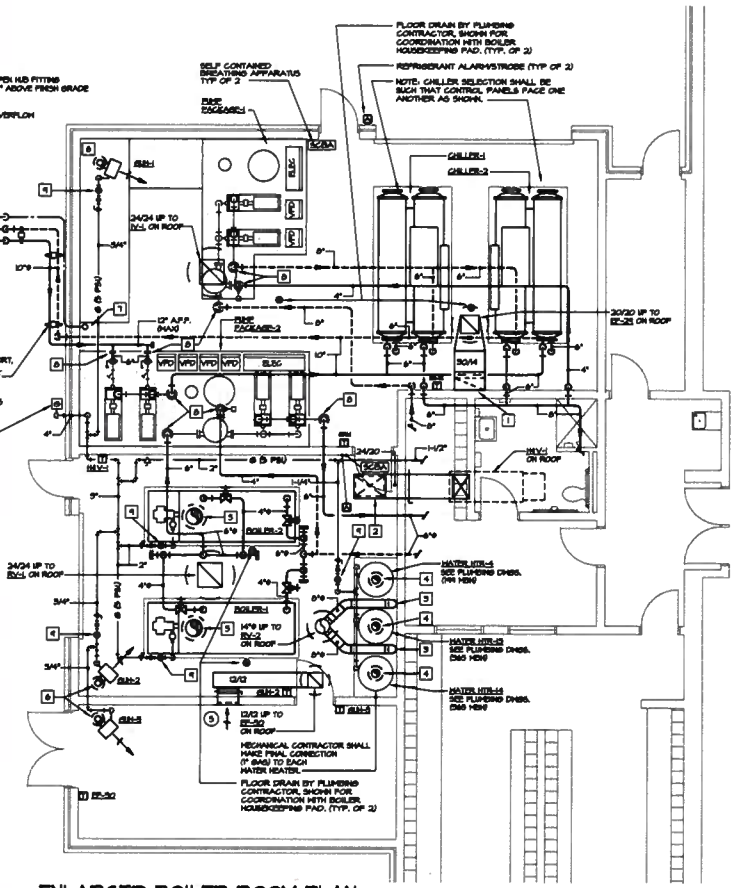
C. UNIT HEATING CAPABILITY SHALL BE DISABLED AT AMBIENT AIR TEMPERATURE OF 65 DEGREES AND BELOW.

H&V-1 AIR FLOW DIAGRAM

NTS

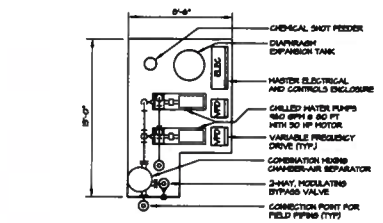
SHEET NOTES: (M4.5)

1. 30/14 EXHAUST DUCT DOWN ON WALL, SEE DETAIL THIS SHEET.
2. 30/80 SUPPLY OPENING IN BOTTOM OF DUCT. PROVIDE 1/4" MIRE MESH SCREEN AT OPENING.
3. 8"Ø COMBUSTION AIR DUCT DOWN TO WITH-IN 12" OF FINISHED FLOOR.
4. 6"Ø CLASS 'B' WATER HEATER GAS FLUE UP TO APPROVED DISCHARGE CAP.
5. 14"Ø POSITIVE PRESSURE (CLASS B) BOILER STACK UP TO RAINPROOF DISCHARGE HOOD AT 8'-0" ABOVE ROOF. PROVIDE BAROMETRIC DAMPER ASSEMBLY IN RISER.
6. 4"Ø CLASS 'B' UNIT HEATER GAS FLUE UP TO APPROVED DISCHARGE CAP.
7. 1" DOMESTIC WATER MAKE-UP TO COOLING TOWER. SEE PIPING DIAGRAMS FOR CONTINUATION OF PIPING.
8. POINT OF CONNECTION OF FIELD PIPING TO PUMP PACKAGE.
9. GAS PRESSURE REGULATOR, 5 PSI INLET, 10" OUTLET PRESSURE. ROUTE VENT TO OUTDOORS OR PROVIDE APPROVED VENT DELIMITING DEVICE.

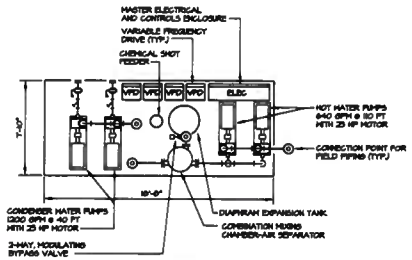


ENLARGED BOILER ROOM PLAN

1/4" = 1'-0"



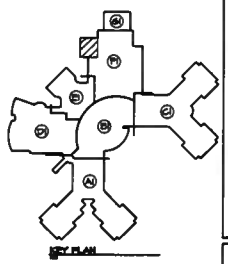
PUMP PACKAGE-1



PUMP PACKAGE-2

PUMP PACKAGE DETAILS

NTS



RECORD DRAWING
DEC. 20, 2001

mark	date	description	by
revisions			

date
project
designed
drawn
checked

Cederquist Rodriguez Ripley Maddox

project SUFFOLK MIDDLE SCHOOL
SUFFOLK, VIRGINIA
drawing ENLARGED BOILER ROOM PLAN

sheet M4.5
of