

**Johnston County Public Schools  
SOUTH JOHNSTON HIGH SCHOOL  
HVAC UPGRADES**

**ADDENDUM NO. 2**

**DATE:** February 1, 2023

**PROJECT:** Johnston County Public Schools  
South Johnston High School  
HVAC Upgrades

**OWNER:** Johnston County Public Schools  
601-A West Market Street, Smithfield, NC 27577

**ENGINEER:** Dewberry Engineers Inc.  
2610 Wycliff Road, Suite 410, Raleigh, NC 27607

This Addendum, applicable to the work designated herein, shall be understood to be and is an Addendum to the contract documents and, as such, shall become a part of and included in the contract.

**Drawings:**

1. No change in Addendum #2.

**Specifications:**

1. No change in Addendum #2.

**Contractor Questions:**

1. Please confirm that all pump accessories shown on Detail 5 on drawing M501 are to be replaced or are we to only replace the pumps. replacing the isolation valves per the detail will required draining the entire building.
  1. Answer: Replace the pumps and accessories up to isolation valve. Isolation valve flange to remain. New flexible connections may be required to accommodate new pump height for reconnection to existing flange.
2. Please confirm that the utility company providing the propane tank farm will be providing a single point connection for our piping to boilers.
  1. Answer: Yes, utility company shall provide single point of connection for connection of piping to boilers. Utility company will get the parts together to manifold the tanks. Utility company will manifold the lines off the top of the tanks to an adjustable high-pressure regulator with a 2" union/shut-off and then the contractor will hook up to that. Contractor installed fencing to be installed after the tank installation so we will need to coordinate when the site is prepped for installation at least 2 weeks prior.
3. Confirm the MC is to provide all required appurtenances (Gas regulator, natural gas conversion kit) for the owner furnished boilers.
  1. Answer: Yes. Confirmed. The existing boilers are set up for natural gas. James M. Pleasants indicated that for the Lochinvar Knight XL that the conversion is a gas valve adjustment which is why the contractor must also include factory startup by manufacturer rep.
4. Is factory startup included with Owner furnished boilers?
  1. No, factory startup must be included by the contractor.
5. Who provided the existing controls?
  1. The existing control system is JCI Metasys. This control system is being changed out in a separate project that has not been bid and we will not know the installing contractor

**Johnston County Public Schools  
SOUTH JOHNSTON HIGH SCHOOL  
HVAC UPGRADES**

until after the bid date. This will be communicated to the contractor after the bid is awarded.

6. Who is the current water treatment provider?
  1. Answer: Kurita, Jesse Batchelor is point of contact at 252-289-4005.
7. Who holds the roof warranty?
  1. Answer: Eastern Corporation was the roofing contractor. Coordinate with owner.
8. Water treatment specifications are written as the MC provides treatment for the entire building. Are we to treat entire building or just new piping?
  1. Answer: The HW system for the boilers which would include the primary and building secondary piping.
9. What size is the existing fuel oil tank? Preferably physical dimensions or at a minimum the liquid capacity.
  1. Answer: Contractor to field verify. Rough dimensions are 10'x16'x12' and 8,000 gallons.
10. Is compacted soil backfill acceptable for the fuel oil tank excavation?
  1. Answer: Fuel tank is aboveground.
11. Are High Performance Butterfly Valves required for Boilers and or Pumps (reference spec section 23 21 19-7)?
  1. Yes

3.4. GENERAL REQUIREMENTS FOR VALVE APPLICATIONS

- A. Hydronic piping systems shall use the following valve types unless otherwise indicated on the drawings or in other Division 23 sections:
  1. Shutoff: Ball or butterfly.
  2. Service Entrance Shutoff: High performance butterfly valves. Service entrance is defined as the entrance to a building from an underground distribution system or building branch connections to the mains of a centralized distribution system.
  3. Shutoff on heat exchangers served from centralized distribution systems on the source side and the first isolation valve, supply and return, on the building load side: High performance butterfly valves
  4. Throttling: Globe, ball or butterfly.
  5. Pump Discharge Check Valves: Lift check valves for 2-inches NPS and smaller. Non-slam, center-guided, globe type check valves for 2 1/2-inches NPS and larger.

End of Addendum No. 2