

1. Clarification: Route flue vents for water heaters as indicated on Sheet M-1 (per keyed notes 15 through 19.) New boiler flue vents shall be routed independently of all existing and new water heater flues! New boiler flue vents shall be routed as follows: The boiler flues for one boiler shall be combined with the manufacturer's concentric vent accessory and routed out thru the existing exterior concrete wall, vertically up secured to the wall, and terminate with a manufacturer's vent cap per code requirements. The boiler flues for the second boiler shall be routed similarly. Contractor shall cut existing concrete wall and patch and seal wall penetrations weather-tight. Boiler flues shall terminate in locations that maintain proper clearance requirements from operable windows, air intake, exhaust outlets, door openings, etc. to comply with code requirements. When looking at the exterior mechanical room wall, the darker color concrete section of the wall is where it is recommended to penetrate for the new boiler flues. Contractor shall provide and install all mounting hardware required to secure boiler flues within mechanical room and tight against exterior wall. Coordinate available space inside mechanical room with new pipe routing concerning installation of new boiler flues.
2. Add Work: Contractor shall disconnect and remove existing floor drain, P-trap, and section of waste piping (if necessary) which is located within existing mechanical room. Contractor shall provide and install new floor drain, new P-trap, and new section of waste piping (if necessary). Due to past clogging issues, contractor shall clean out remaining waste line piping. Cut, patch, and repair existing floor slab as necessary to match existing conditions. Floor drain and pipe size shall be confirmed during construction phase.
3. Clarification: Contractors shall provide and install support system for main pumps to anchor to existing concrete wall. Contactor shall provide pipe support on main piping located on each side of the main pumps along with the new pipe stand support system indicated on the piping schematic. Include all mounting hardware and isolation vibration accessories to properly mount and secure pumps and piping to reduce noise, per manufacturer's specifications, and per current code requirements.
4. Clarification: The 3-way diverting valve specified as item #10 on Sheet M-4 can be found on the customer.honeywell.com website or by typing in the following link. The model number of the valve on this website is a VBF5013B1011/U. <https://customer.honeywell.com/en-US/Pages/Product.aspx?cat=HonECC%2520Catalog&pid=VBF5013B1011/U&category=VBF5013&catpath=1.1.20.2.7&rank=1&v1=Sort.1.Product.Rank&asc=1>
5. Clarification: The emergency shut-off for the boilers shall comply with the ASME CSD-1, paragraph CE-110.
6. Add Work: Contactor shall disconnect and remove the old pressure relief valve and provide and install a new pressure relieve valve within the main domestic water piping located within the existing mechanical room.

7. Clarification: Contractor shall provide and install chemicals to treat the two-pipe cooling and heating system after all piping has been tested for no leaks. An anti-corrosion chemical is added to cooling water systems that have extensive metals that require protection against corrosion. ... An anti-scaling chemical is added to the water system to increase the solubility limits of calcium and magnesium in the process water. Piping system and related equipment shall be treated to prevent the system from corrosion, scaling, fouling and microbiological growth.

Extra Note: Soft water that contains sodium salts does not coat the pipes and consequently is more corrosive. Water that is moderately alkaline (40 to 70 mg/L) with a pH between 7.0 and 8.2 is usually not corrosive. Water with a pH below 6.5 will be corrosive, especially if alkalinity also is low. Please confirm with Owner what pH level is desired. Contractor is responsible to get pH level close to this level and within the suggested range indicated above.

8. Modification: The new thermostats for the Gym area shall be "Honeywell" model TH8321R. Each thermostat will need a HZ432 TrueZONE, THM4000 Wireless Adapter with 4 zone capability, and RedLINK device. Contractor shall provide and install all accessories necessary for complete and proper installation. This new thermostat shall be wireless, include batteries, mounting hardware, and locking cover. Contractor shall be creative in the wiring of this device to connect the four existing Gym air handlers to each new thermostat.
9. Delete Scope of Work: Delete the scope of work that indicates for there to be thermostat wire routed between the Gym area new thermostats and the existing eight air handling units. Delete the scope of work that indicates to provide, install, and paint decorative moulding to hide the thermostat wiring. The new thermostats indicated above are now wireless.
10. Delete Scope of Work: Delete the scope of work indicating to provide, install, and insulate a new line of hot water return piping as indicated on Sheet P-1. During the pre-bid meeting, it was determined that this piping is existing and already in place.
11. Clarification: Contractor shall still provide and install balancing valves (ball type) within the hot water return piping indicated on Sheet P-1, see keyed note 5. Contractor shall use these new valves to balance flow within this existing hot water return piping system to have hot water at both North and South restrooms as quickly as possible.
12. Delete Scope of Work: Contractor shall no longer remove or provide and install any new ceiling tiles as indicated on Sheet P-1.
13. Clarification: The owner's personnel lift on site is available for contractor use in the auditorium. If the contractor chooses to use the lift then the contractor all liability for the safe use and operation of the lift.
14. Modification: Change the bid submittal deadline from June 18, 2020 at 2pm MDT to June 25, 2020 at 2pm MDT.