NOTES:

1. CV-1 modulates to control the primary building heating hot water temperature set point.
2. CV-2 modulates to control the supply temperature to the DHW system.
3. Install the flow sensor with a minimum of ten (10) straight pipe diameters upstream and five (5) pipe diameters downstream (FT-1).
4. Building heating hot water supply temperature set point should be 155 deg F or less. Actual set point to be determined by heating system designer. Utilize the lowest HHW supply temperature possible to help minimize the HHW return temperature. Include capability to reset HHW supply temperature based on outside air temperature.
5. Building heating hot water return temperature should be low enough to ensure utility hot water return temperature is ≤110 deg F.
6. These points are to be hardwired directly to the utility interface panel. The data can be shared as needed via network connection from the utility interface panel to the building control system. See FG 25 3313 for instrumentation requirements.
7. The building control system will receive a hardwired digital input signal from the utility interface panel to command closed the utility hot water control valves to the HHW and DHW heat exchangers in case of a distribution system emergency.
8. Points to be shared via network connection from the building control system to the campus network for monitoring purposes include HHW supply temp, HHW return temp CV-1 position, and HHW pump speed.
9. All utility side piping to be welded carbon steel. Utility lateral pipes will have line size manual isolation valves and flange terminations near the entrance point inside the mechanical room. See FG 02553 for underground later pipe guidelines.