



22 30 00 PLUMBING EQUIPMENT

Revised January 2026

1. **Whole Building Domestic Water Heaters**
 - a. General Buildings
 - i. Depending on square footage use standard natural gas tank water heater.
 - ii. If natural gas is not available then an electric water heater may be used.
 - iii. Tank water heaters shall be 50 gallon units.
2. **Small Area or “Point of Use” Domestic Water Heaters**
 - a. This type of installation is generally not preferred; but can be considered in certain situations. Approval from the SUIT Project Manager is required.
3. **Sump Pumps and Sewer Ejector Pumps:**
 - a. Control panel shall have a general alarm output to the Building Automation System
 - b. Include high-high alarm point with both local audio/visual alarm and alarm to the building automation system.
4. **Water Hammer Arrestors**
 - a. Water hammer arrestors on campus to be screw-on type only. Welded/soldered “maintenance free” arrestors will not be permitted.
 - b. Whether in walls or ceilings, all water hammer arrestors shall be clearly indicated on the drawings and fully accessible once installed.
5. **Backflow Preventers**
 - a. Backflow preventers shall be installed with a bypass and isolation valves such that the backflow preventer can be isolated for testing without shutting down water to building downstream.
 - b. Depending on application 24/7 operational building shall have 2 backflow preventers for redundancy and testing.
6. **Automatic Trap Primers**
 - a. Provide automatic trap primers for all floor drains.
 - b. Trap Primers shall be 120 volts with automatic adjustable timers.

END OF SECTION 22 30 00