# DOMESTIC HOT WATER

## Design Requirements

New Construction

Potable hot water should be obtained from the Central Campus Power House, as delivered through existing utility tunnels. The A/E should coordinate the tie-point to the existing tunnel distribution system with the University's Utilities Engineer through the University Project Coordinator. Prior to this coordination meeting, the A/E should calculate the maximum demand and average consumption requirements of the new facility.

Physically handicapped hot water should be tempered with cold water to maintain 110$^{O}$F water at the fixture. Provide check valves in both hot and cold connections to tempering valves. Pressure compensating designs shall always be used.

In all new facilities the hot water distribution system shall be of the continuous recirculation design.

Renovation

Potable hot water to meet the needs of new fixtures in renovation projects should be obtained from the existing building system.

The A/E must demonstrate to the satisfaction of the University Project Coordinator that the existing building distribution, primary heating and secondary heating systems are sufficiently large to support the new demands imposed due to the addition of fixtures in a renovation project without adversely affecting other users within the buildings. If the existing systems need to be enlarged, this determination should be made early enough for funds to be allocated within the renovation project.

All

Diameter shall be copper. Copper or galvanized schedule 40 steel shall be used for 4" and above.

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