

1. DESIGN STANDARD:

- 1.1 Provide shut off valves in all branch lines and all major fixture groups. All valves locations must be easily accessible.
- 1.2 Specify ball valves up to 2". Rising stem gate valves 2" or greater.
- 1.3 When house pump is required, pump all floors.
- 1.4 Consider VSD where applicable to eliminate bladder tank.

2. PRODUCT STANDARD:

- 2.1 The Rice University prefers all domestic hot and cold water to be copper up to 3". 4" and above must be galvanized steel. Specify type L rigid copper pipe for interior applications and type K for exterior and underground applications.
- 2.2 Provide dielectric unions on all dissimilar metals.
- 2.3 Victaulic Style couplings and fittings may be used in Mechanical Rooms only.

3. PERFORMANCE STANDARD:

- 3.1 Coordinate with the Rice University Project Manager the cleaning, flushing and chlorinating/disinfecting of all domestic water piping.
- 3.2 Provide a complete domestic water piping system as required by Code.
- 3.3 Tag all valves and provide list to Project Manager/Engineer.
- 3.4 Coordinate pressure testing with the Rice University Project Manager.