1. DESIGN STANDARD:
   1.1 Provide shut off valves in all branch lives 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.