1. DESIGN STANDARD:
   1.1 No butterfly valves in domestic water service.
   1.2 All valves for domestic service must be as follows:
      1.1.1 2” and smaller - Ball valves.
      1.1.2 Larger than 2” – Specify rising stem gate valves.
   1.3 Victaulic style piping system allowed in mechanical rooms only with exception to sprinkler pipe.

2. PRODUCT STANDARD:
   2.1 All products including piping must be U.S. Manufacturer. The use of foreign products are subject to Rice University Approval.
   2.2 All piping is to be seamless.

3. PERFORMANCE STANDARD:
   3.1 The Rice University’s representative must be notified of all inspections by Code Officials.
   3.2 Install pipe markers on each system. Include arrows showing normal direction of flow.
   3.3 Provide equipment tags for valves, heat exchangers, pumps, etc.
   3.4 Construct all piping systems in accordance with applicable Codes, including ANSI, ASTM, and ASME Codes.
   3.5 Pipe sleeves will be required at penetrations as necessary through walls and slabs for fire proofing, water proofing and acoustical purposes.
   3.6 Provide adequate access to all equipment, valves, instruments, and controls.
   3.7 Provide supports of adequate strength for all piping.
   3.8 Victaulic style pipe use roll grooved in lieu of cut groove.
   3.9 Test all piping systems to assure that they are absolutely leak free. Rice University’s Project Manager will be notified of all tests.