

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.