

1. DESIGN STANDARD:

- 1.1 All fire sprinkler systems must be designed to meet all requirements of the City of Houston Code and NFPA Chapter 13. Use most stringent where conflict occurs.
- 1.2 All Rice University Buildings must be provided with an automatic sprinkler system, unless directed otherwise. Remodels should be upgraded with sprinkler systems.
- 1.3 Each sprinkler system must be monitored by floor and provided with separate valve.
- 1.4 All sprinkler valves/sprinkler control stations must be accessible and located no higher than 7'-0" above finished floor. Do not locate above ceilings.
- 1.5 Provide sprinkler system drain piping to building drains, or sumps, or, as approved by the University's project manager, provide direct discharge to the building exterior.
- 1.6 Not used.
- 1.7 Locate Inspector test valves in mechanical and storage areas.

2. PRODUCT STANDARD:

- 2.1 Rice University prefers Fire Department Siamese connections to be wall mounted.
- 2.2 Rice University prefers wall indicator OS&Y gate valves for the sprinkler system. If not possible, locate post indicator OS&Y gate valve as close to the building as possible.
- 2.3 No restrictions on material. Design per code. (Schedule 40 black steel, schedule 10, Victaulic and CPVC to be evaluated on project by project basis.)

3. PERFORMANCE STANDARD:

- 3.1 Contractor to submit complete fire protection drawing and submittals indicating sprinkler head locations pipe routing and all devices to the University for coordination prior to installation.
- 3.2 All sprinkler system tamper and flow alarms to be tied into the building Fire Alarm System.
- 3.3 Install piping between fire water surge tank and fire pump suction with straight pipe run.
- 3.4 Support CPVC properly to allow removal of sprinkler heads.