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.