

21000S01 FIRE SUPPRESSION - Automatic Sprinklers

1. Comply with NFPA 13 for all sprinkler installations.
2. Provide an Inspector's Test Station at the furthest point on each zone. Plumb all test station discharge to building drain system.
3. Automatic reset or self-closing sprinkler heads are prohibited on University projects.
4. All newly installed sprinkler systems must be fully flow tested by the Contractor in the presence of the Consultant's engineer, University Project Manager and the University Fire Marshall.
5. Sprinkler systems are to be hydraulically designed. Scheduled design systems may be used for small systems. Clearly state who (the consultant or the contractor) is responsible for the hydraulic design of the sprinkler system.
6. State the fire suppression data, classification, and design information on the project drawings.
7. The post indicator valve and fire department connection are to be painted All hydrants shall be painted red, located away from the building, near a hard surface for access and clearly labeled as to the building served, and the building's address with a permanent sign attached to the collar with 1" or larger letters.
8. Provide an external water gong or similar exterior alarm.
9. Provide a permanent emergency telephone number label near the external alarm.
10. All domestic sprinkler systems shall be provided with a flow switch and be interconnected to the fire alarm system. The sprinkler zones are to match the building fire alarm zones.
11. Indicate the fire and smoke partitions on the fire protection drawings.
12. Provide labels on ceiling grid and/or at access panels to locate concealed valves and switches.
13. Show the approximate head location and head type on the design drawings.
14. All piping for the fire suppression system is to be hard piped metal.
15. **For installations where hard piped sprinkler heads are not feasible, flexible drops may be considered on a case by case basis and approved by the Consultant's Engineer and UK Project Manager.**

Any flexible drop must match hydraulic capacity of the hard-piped system, be braided stainless steel hose type and be UL Listed and FM Approved.