
Revision Date: 11/08/2023

1. Design & Performance Criteria:

- a. Factory Mutual Global requirements shall be included in design of sprinkler systems.
- b. All products to be FM Global approved and UL listed.
- c. In new sprinkler systems and existing systems involving rebuilding of the main riser, provide means of backflow prevention and full forward flow testing capability (for flow of design capacity through the backflow prevention device) in accordance with local ordinances, adopted codes and standards, and the VT Fire and Building Safety Code.
- d. Sprinkler systems are to be zoned by floor with floor control valves (with tamper switches, flow switches, check valves, and a drain line) for each riser and each zone. All water control valves must be visible and accessible for inspection and maintenance. If a valve must be installed above a ceiling, a clear (Lexan) panel

University of Vermont

Facilities Design Standards

Division 21 – Water Based Fire
Suppression Systems

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- ii. Five-year standpipe flow testing will be completed as required by NFPA 14 and based on UVM's inspection, testing, and maintenance schedule.
- d. Testing of a sprinkler system that is still under an installing contractor's post-construction warranty will be completed as required by NFPA 14 and based on UVM's inspection, testing, and maintenance schedule.

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