

# Fire Sprinklers

# 21.00.00

**Description:**

The purpose of the section is to highlight the current applicable UMCP Design Standards for the selection and installation of fire sprinkler systems.

**Related Sections:**

- 21.10.00 Fire-Suppression and Protection Systems

**Effective Date:**

July 10, 2009

**Applicable Standards:**

- TBD

**General Requirements:**

- The University recognizes the contribution of sprinklers to life safety. However, the cost to install them in renovation projects often dictates that they be forsaken, to be substituted with other measures to bring renovation projects into minimal code conformance.
- Unless stated to the contrary in the program, the decision to not incorporate sprinklers into the mechanical design must be based on a total project cost approach.
- The cross-discipline comparative cost analysis, as a minimum, must address:
  - The presence/absence of a University installed standpipe system, which minimizes the cost of the sprinkler system
  - The need to remove ceilings to install other work
  - The extent and cost of other fire code-mandated work, the need for which would be eliminated were a sprinkler system to be incorporated.
- Programmatic needs which conflict with alternative (not sprinkler) solutions to code issues added fire rated walls, doors, additional stairwells, areas of refuge, smoke exhaust systems, restrictions on use, etc.