



## FIRE PREVENTION DIVISION STANDARD DETAILS & SPECIFICATIONS

**SUBJECT:** Specifications For The Design And Installation Of Fire Sprinkler Systems In Multi-Unit Residential Buildings.

**SPEC NO:** 11-Q  
**EFFECTIVE DATE:** 01/01/13  
**REVISED:**

### SCOPE

This standard applies to the installation of automatic fire sprinkler systems that are required by local ordinance for multi-unit residential buildings, up to and including, four (4) stories in height when National Fire Protection Standard (NFPA) #13R is used as the design basis.

Note: In accordance with the California Building Code (CBC), a NFPA 13R design cannot be used when sprinklers are used to substitute for 1-hour construction, or for increases in building height or allowable area as protection is not provided throughout the building.

### REQUIREMENTS

The installation and design of the system shall comply with chapter 9 of the CBC (Title 24, Part 2), and the provisions of NFPA Standard 13R, except as modified herein.

Location of Sprinklers - Fire sprinklers shall be installed in accordance with their listing, shall protect all usable spaces including, but not limited to:

- Penthouses
- Equipment rooms
- Elevator shafts
- Service chutes (dumbwaiter, laundry, etc.)
- Underneath combustible exterior stairs
- Porte Cochere
- Patios, porches, balconies and stairs having overhead exterior wall projections greater than 6 inches in depth

Monitoring - Automatic fire sprinkler systems shall be monitored in accordance with the California Fire Code.

Annunciation - Systems installed within buildings equipped with approved fire alarm systems, shall be annunciated by floor and/or zone at the fire alarm panel (and remote annunciator if one exists). The designer shall incorporate equipment and devices as necessary to achieve the required annunciation.

Fire Department Connections - Fire department connections shall be provided as part of the system and be located proximal to the public way, on the primary entry side of the building.

