



SANTA CLARA COUNTY FIRE DEPARTMENT

1315 Dell Avenue, Campbell, CA 95008 | (408) 378-4010 | SCCFD.org

STANDARD DETAILS & SPECIFICATIONS

SUBJECT: Specifications for the Design and Installation
of Fire Sprinkler Systems in Multi-Unit
Residential Buildings

Spec No SP-5
Review Date _____
Revis. Date. 08/03/10
Eff. Date. 03/05/99
Approved By _____
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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.

I. Location of Sprinklers

- A. Fire sprinklers shall be installed in accordance with their listing, shall protect all usable spaces including, but not limited to:
1. Penthouses
 2. Equipment Rooms
 3. Elevator Shafts
 4. Service Chutes (dumbwaiter, laundry, etc.)
 5. Underneath combustible exterior stairs
 6. Porte Cochere
 7. Patios, porches, balconies and stairs having overheard exterior wall projections greater than 6 inches in depth.

II. Monitoring

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



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III. 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.

IV. 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.