



## Redlands Fire Department Fire Protection Guideline

**Title:** Buildings over 50,000 square feet

**Number:** FG-103

**Revision:** A

**Date:** 10-26-2015

**Scope:** Standard for buildings over 50,000 square feet.

**Description:** Provide a standard for development of buildings over 50,000 square feet.

1. A fire control room for fire department operations shall be provided. The location and accessibility of the fire control room shall be approved by the fire code official. The fire control room shall be separated from the remainder of the building by walls and ceilings not less than one-hour fire partitions. The room shall be a minimum of 96 square floor in area, with a minimum dimension of 8 feet and should contain the following as a
  - The fire alarm control unit and associated equipment.
  - Lighting for the fire control room.
  - Signal and communication systems as applicable.
  - Mechanical smoke exhaust system as required by section 914.12.2
  - Emergency generator controls
  - Wall mounted plan rack
2. The fire sprinkler system shall be color coded such that rapid system identification can be achieved. Refer to City of Redlands Fire Department standard for sprinkler system color coding and identification.
3. A laminated system map (or encased in plexi-glass) with color code defined for each system. The map shall be a full size architectural sheet for mounting and use in the fire control room.
4. A Fire Alarm documentation cabinet shall be provided to house all system documents. Reference NFPA 72-2013 section 7.7.1.6
5. A single manual pull station shall be provided adjacent to the Fire Alarm Control Panel.
6. A red strobe is required to be placed alongside each water-flow notification appliance on the exterior of the building. The strobe light shall activate in concert with the water-flow notification appliance.
7. Knox box locations:
  - a. Fire control room with all labeled keys for the alarm panel, documentation box, doors etc.
  - b. Fire pump room with all labeled keys
  - c. All current and future storefront building entrances with all labeled keys



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- d. A Knox padlock shall be provided at all exterior fire department access gates
8. A blue reflective marker shall be placed outside of all doorways that contain a hose connection.
9. A blue reflective marker shall be placed at the top of the parapet identifying the location of all demising walls; the marker shall be on each side of the building.