



City of Santa Fe Springs Department of Fire-Rescue
11300 Greenstone Avenue, Santa Fe Springs Ca., 90670
Phone (562) 944-9713 FAX (562) 941-1817

Guidelines for Fire Alarm Systems

SCOPE

This guideline shall apply to new construction, and shall apply to existing buildings when changes made in the character or use of the building or occupancy affect the delivery of fire protection and life safety systems. The Fire Chief may waive any of these requirements upon receipt of alternate means and methods that meet the intent of this guideline.

PURPOSE

The intent of this guideline is to provide the details necessary for the design and installation of fire alarm and sprinkler monitoring systems within the City of Santa Fe Springs.

REQUIREMENTS

- 1 Provide current California State Fire Marshal (CSFM) listing sheets for all devices and equipment to be installed.
- 2 Voltage drop calculations shall be on the plans. The voltage drop may not exceed 10%. For fire alarm tenant improvements, voltage drop calculations shall be provided for the most demanding circuit(s) in the area of the work.
- 3 If duct detectors are required by Code, provide evidence that the detectors are listed for the air velocities demanded by the HVAC system.
- 4 Duct detectors shall be tested by introducing smoke directly into the duct and not through a remote test station. Access to the duct shall be provided for verification of placement of sampling tubes and maintenance purposes. Duct detectors shall be programmed as supervisory signals.
- 5 A supervised remote annunciator(s) is required if the FACP is not located within an area that is normally occupied.
- 6 Annunciators shall be programmed in plain English, with device type, location and alarm signal.
- 7 Local notification shall include both audible and visual appliances.
- 8 A manual initiation device is required in a normally occupied area.
- 9 A local notification appliance shall be required in a normally occupied area.
- 10 Local notification appliances are required at all fire sprinkler risers.
- 11 A blue strobe is required outside all fire pump rooms which activates when the pump is running.
- 12 Local notification appliances in storage areas shall be located 12' to 15' above finished floor.
- 13 Complete and return the Santa Fe Springs Fire Department Fire Life Safety System Record of Completion before scheduling any inspection.
- 14 Prior to final acceptance testing, system must be on secondary power for 24 hours.

REFERENCES

Health & Safety Code Section 13145

CCR, Title 24, Part 4: 2016 California Mechanical Code (CMC)

CCR, Title 24, Part 9: 2016 California Fire Code (CFC)

National Fire Protection Association (NFPA) 72, 2016 edition