



**San Ramon Valley Fire Protection District
Fire & Life Safety Division**

1500 Bollinger Canyon Road, San Ramon, CA 94583
925.838.6600 www.firedepartment.org

SUBMITTAL REQUIREMENTS FIRE ALARM

1. Completed Application for Plan Review
2. Cover Sheet Information
 - a. Job site address and suite number
 - b. Business name
 - c. Name, address and phone number of owner & occupant
 - d. Name, address, phone number and signed & dated stamp of project designer and or engineer
 - e. Name, address, phone number and stamp of contractor/installer
 - f. Plan Issuance Date
 - g. Occupancy classification(s)
 - h. Basic description of project.
 - i. Scope of Work
 - j. Governing Codes
 - k. Sheet Index
3. Equipment List
 - a. Provide the model number, manufacturer's name, description, quantity, CSFM listing number, and symbols to be used (legend) for each device, equipment and conductors proposed to be installed.
 - b. Legend shall be provided and the symbols used shall match the legend. Strike out any "typical" symbols and/or details which do not pertain.
 - c. Provide wiring schedule
4. Design Plans
 - a. Scale used and a graphical representation of the scale. The scale for fire alarm plans shall be 1/8" = 1'-0". Compass orientation shall be provided.
 - b. The location of doors, partitions, non-rated walls, and rated walls. If not full height, indicate the height of all the walls and the ceiling.
 - c. The location of all equipment, devices and appliances including fire alarm panel, annunciators, fire sprinkler control and test valves, fire smoke dampers, air handler units, ceiling fans, magnetic door holders and end of line devices.
 - d. Device mounting heights for fire alarm initiating and notification devices.
 - e. The candela rating of each strobe
 - f. Use of each room or space (room description)

- g. Type of ceiling or roof construction, i.e., smooth, solid joist construction, beam construction, sloped ceiling.
- h. All plans shall show the relevant data listed in the 2016 Edition of NFPA 72 Section 7.2.1
- i. Plans shall also indicate relative CFC 907 and Chapter 80 amendments.

5. Sequence of operation

- a. A matrix chart shall be provided to define the events that occur when various initiating devices are activated. The description shall include details relating to annunciation, evacuation warning, remote signaling, and activation of fire safety control functions as applicable.

6. Riser Diagram

- a. Single line wiring diagram (riser diagram) that shows the interconnection of each device and equipment of the whole system
- b. Candela rating of each strobe.
- c. Number of conductors in each wiring segment and the type and size of wire or conductor to be used.
- d. The class and type for initiating, signaling line and notification device circuits.
- e. The circuit number or identification of each initiating/notification and signaling line circuit.

7. Calculations

- a. Secondary power calculation
- b. Voltage drop calculation

8. Manufacturer's specification sheets for all devices, equipment, and materials to be used including the transponder to the supervising station.

9. CSFM listing number sheets for all devices and equipment requiring listing.