



## PLAN SUBMITTAL REQUIREMENTS

### FIRE EXTINGUISHING FOR NFPA 13 SPRINKLER SYSTEMS

The San Ramon Valley Fire Protection District developed this Plan Submittal Guideline Standard to be used as a guide for submitting plans for NFPA 13 Fire Sprinkler systems.

#### **REQUIRED DOCUMENT SUBMITTAL**

1. Working plans shall be drawn to an indicated scale (not smaller than  $1/8" = 1'$ ), on sheets of uniform size. The following must be included in the plans.
  - a. Jobsite address and parcel number
  - b. Business name
  - c. Name, address, and phone number of owner
  - d. Name, address, phone number, and stamp/signature of project designer/architect and or engineer
  - e. Editions of state and local governing codes
  - f. Point of compass
  - g. Symbol list
  - h. Type of system
  - i. Construction type
  - j. Location of fire walls and partitions
  - k. Occupancy class and use of each room
  - l. Dimensions for system piping, type of pipe, head spacing, and elevation changes
  - m. Square footage for total area protected by each system for each floor provided
  - n. Total number of each type of sprinkler head
  - o. Total number of each type of sprinkler head including make, type, model, sprinkler identification number (SIN), temperature, and nominal K-factor of sprinklers
2. Manufacturers' specification sheets for all equipment including pipes, hangers, valves, sprinkler heads.
3. Hydraulic calculations with summary, detail worksheets, and graph sheet (if required)
4. Flow report from water purveyor dated within 12 months (if hydraulic calculations are required)

#### **PLACE THE FOLLOWING NOTES VERBATIM ON THE PLAN**

1. Sprinkler plans shall be approved prior to the installation of any pipe. One set of SRVFPD approved sprinkler plans with hydraulic calculations shall always be retained at the job site.
2. This automatic fire protection system shall be designed, fabricated, and installed in accordance with 2022 NFPA 13 and local amendments enforced by the SRVFPD.

3. All valves shall have a permanently affixed sign identifying their function and building served.
4. All underground mains and lead-in connections shall be flushed in accordance with NFPA 13 and/or 24 prior to connection to the overhead system. The flush shall be witnessed by a SRVFPD inspector.
5. All new systems and additions or modifications to existing piping affecting more than 20 sprinklers shall be hydrostatically tested for two hours at 200 psi or at 50 psi above the system operating pressure, whichever is greater. Hydro testing above operating pressure is not required for relocating drops.
6. All sprinkler piping shall remain uncovered until inspected by SRVFPD.
7. At final inspection all ceiling tiles shall be installed at each sprinkler. Hard-lid and all other types of ceilings shall have all patches, repairs, and final finishes completed.
8. One approved audible and visual device shall be connected to every automatic sprinkler system at an approved location. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system.

### **SUBMITTAL PROCESS**

Submit plans electronically. Visit [firedepartment.org/submitplans](http://firedepartment.org/submitplans)