



PLAN SUBMITTAL REQUIREMENTS

FIRE EXTINGUISHING FOR NFPA 13D 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 13D Fire Sprinkler systems for one and two family residential 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. Plot plan details showing the water supply connections, meter size, pipe diameters, lengths and fitting to riser
 - i. Location and dimension of concealed spaces, closets, and bathrooms
 - j. Full height cross sectional views (if required for clarity) and location of partitions including ceiling slope and obstructions.
 - k. Total number of each type of sprinkler head including make, type, model, sprinkler identification number (SIN), temperature and nominal K-factor of sprinklers
 - l. Riser detail showing components from water source to overhead piping
2. Manufacturers' specification sheets for all equipment including pipes, hangers, valves, sprinkler heads.
3. Hydraulic calculations with summary, detail worksheets, and graph sheet
4. Flow report from water purveyor dated within 12 months

PLACE THE FOLLOWING NOTES VERBATIM ON THE PLAN

1. One set of SRVFPD approved sprinkler plans with hydraulic calculations shall always be retained at the job site.
2. The system shall be designed and installed in accordance with 2022 NFPA 13D and amendments as adopted by SRVFPD.
3. Underground mains and lead-in connections shall be flushed before connection is made to sprinkler piping.

4. The water meter shall be installed prior to final.
5. SRVFPD inspection required at overhead, hydro, and final prior to occupancy being granted.
6. Systems shall be tested at a minimum of static pressure in accordance with NFPA 13D.
7. Sprinklers in spaces subject to temperatures in excess of 100°F (including garages) must be intermediate temperature rated (175°F or more).
8. All sprinkler piping shall remain uncovered until inspected by SRVFPD.
9. At final inspection all ceilings shall have all patches, repairs, and final finished completed.
10. 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