



ORANGE COUNTY FIRE AUTHORITY

NOTES FOR NFPA 13D SPRINKLER SYSTEMS

ONE & TWO FAMILY RESIDENTIAL FIRE SPRINKLER SYSTEMS

PLACE THE FOLLOWING NOTES VERBATIM ON THE PLAN:

1. Scope of work: Design and installation of an automatic fire sprinkler system for a single or two-family dwelling.
2. One set of OCFA approved sprinkler plans with hydraulic calculations shall be retained at the job site at all times.
3. The system shall be designed and installed in accordance with 2016 NFPA 13D and amendments as adopted by the local jurisdiction.
4. Underground mains and lead-in connections shall be flushed before connection is made to sprinkler piping.
5. The water meter shall be installed prior to final.
6. Call OCFA Inspection Scheduling at (714) 573-6150 to schedule all inspections at least 48 hours in advance. Inspections canceled after 1 p.m. on the day before the scheduled date will be subject to a reinspection fee.
7. OCFA inspection required at both rough and final prior to occupancy being granted.
8. Systems shall be tested at a minimum of street pressure in accordance with NFPA 13D.
9. Exposed exterior riser valves shall be painted OSHA safety red. Fire sprinkler or supply pipe exposed or susceptible to wet conditions shall be painted (any color) or otherwise coated to inhibit corrosion. Stainless steel assemblies and piping may be left unpainted provided that any hose connections, valves, or other components operated by the fire department are painted red.
10. Sprinklers in spaces subject to temperatures in excess of 100°F (including garages and exterior closets) must be intermediate temperature rated (175°F or more).
11. All sprinkler piping shall remain uncovered until inspected by OCFA.
12. At rough inspection, pendent and sidewall sprinkler heads shall not be installed in portions of systems using CPVC pipe; only plugs shall be used.
13. At final inspection, all ceilings shall have all patches, repairs, and final finishes completed. Concealed sprinkler cover plates shall not be installed regardless of ceiling type, but shall be available on-site for inspection.
14. An approved method of demonstrating the system is pressurized at the time of rough inspection will be provided.
15. A pressure gauge shall be provided on the riser at the time of final inspection to verify the minimum required pressure is present.

FIRE SPRINKLER SPACING

The system has been designed to allow all compartments with:

1 residential head to be spaced at _____ x _____ max.

2 or more residential heads to be spaced at _____ x _____ max.

HYDRAULIC INFORMATION

The minimum static pressure required at the riser gauge is calculated by multiplying the minimum required street pressure by 1.1 (the 10% safety buffer) and adjusting for the pressure loss between the gauge on the riser and the street connection due to elevation.

Minimum static pressure (psi) required at riser gauge:

Plan Name: _____ Required Pressure: _____ psi

Plan Name: _____ Required Pressure: _____ psi

Plan Name: _____ Required Pressure: _____ psi

Plan Name: _____ Required Pressure: _____ psi