



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 2010 NFPA 13D and amendments as adopted by the local jurisdiction.
4. All valves shall have permanently affixed signs that designate their function.
5. The water flow switch shall be connected to the service panel on an uninterruptable house circuit.
6. Bells/alarms shall be sized and located to be clearly audible in all rooms over background noise with all intervening doors closed. At least one bell/alarm shall be located near the address side or front side of the structure and shall be listed for exterior use. At least one bell/alarm shall be located inside the structure, and may be placed in the attic if audibility of 15 dB above ambient, but not less than 70 dB, is achieved throughout the residence.
7. The attic shall be protected with a minimum of at least one intermediate temperature quick response sprinkler. The head(s) shall be located to protect penetrations into the attic such as attic scuttles and mechanical equipment located in the attic, penetrating into the attic, or sharing a common atmosphere with the attic. This may also apply to larger crawl spaces where additional heads are required.
8. Underground mains and lead-in connections shall be flushed before connection is made to sprinkler piping.
9. Water meter shall be installed prior to final.
10. 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.
11. OCFA inspection required at both rough and final prior to occupancy being granted.
12. Systems shall be tested at a minimum of street pressure in accordance with NFPA 13D.
13. 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.
14. All sprinkler piping shall remain uncovered until inspected by OCFA.

BUILDING INFORMATION (please fill in all blanks)

Ceiling (check one): Smooth/flat/unobstructed _____; Vaulted _____; Beamed/obstructed _____

FIRE SPRINKLER DESIGN CRITERIA (all blanks must be complete)

Sprinkler Spacing: _____ x _____ Feet

Two-Sprinkler Head Calculation with Total Flow of _____ gpm requiring _____ psi

NOTE: Attached garages shall be protected with listed quick response sprinklers spaced at a maximum of 130 sq.ft.

HYDRAULIC INFORMATION (all blanks must be complete)

Flow Test: Location _____; Date _____; Elevation _____

Static Pressure (psi) _____; Residual Pressure (psi) _____; Flow (gpm) _____

System Requirements:

Base of Riser Pressure (psi) _____; Flow (gpm) _____; Safety Margin (psi) _____