



# ORANGE COUNTY FIRE AUTHORITY

## NOTES FOR NFPA 13R SPRINKLER SYSTEMS

### MULTI-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 multi-family residence.
2. One set of OCFA approved plans shall be maintained at all times at the construction site.
3. This automatic fire protection system shall be designed, fabricated, and installed in accordance with 2010 NFPA 13R and local amendments enforced by the OCFA.
4. At least one water pressure gauge shall be installed on the riser assembly.
5. All valves shall have permanently affixed signs that designate their function.
6. The water flow switch shall be connected to the service panel on an uninterruptible house circuit.
7. Sprinklers may be omitted from attics that are not located over dwelling units. When attics are separated by unit, each unit's attic space may be protected per 2010 NFPA 13D, Section 8.6.4.2 (as amended). All other attics shall be protected per 2010 NFPA 13.
8. 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. Alarm level in all bedrooms shall be 15 dB over ambient, but not less than 70 dB.
9. Underground mains and lead-in connections shall be flushed before connection is made to sprinkler piping. Flush must be witnessed by an approved party and documentation provided to the OCFA inspector.
10. Water meter shall be in place prior to final if applicable.
11. 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.
12. Orange County Fire Authority inspection required at both rough and final prior to occupancy being granted.
13. All new systems and additions or modifications to existing piping affecting more than 20 sprinklers shall be hydrostatically tested at 200 psi for two hours or at 50 psi above the system operating pressure, whichever is greater. Hydro testing above operating pressure is not required for relocated drops.
14. All FDCs, wall PIVs, and exterior/exposed sprinkler riser valves shall be painted OSHA safety red. Other fire sprinkler or supply pipe exposed to the sky 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.
15. All sprinkler piping shall remain uncovered until inspected by OCFA.

#### BUILDING INFORMATION (please fill in all blanks)

Ceiling (check one): Obstructed \_\_\_\_\_, or Unobstructed \_\_\_\_\_

#### FIRE SPRINKLER DESIGN CRITERIA (all blanks must be complete)

Hydraulic Design Density = Flow in gpm \_\_\_\_\_ / Area in 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) \_\_\_\_\_