



## **SINGLE & MULTI - FAMILY FIRE SPRINKLER STANDARD**

**Arcadia Fire Prevention Bureau**  
710 S Santa Anita Ave, Arcadia, CA 91006  
Phone (626) 574-5104 Fax (626) 445-1819

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Required applications for new and existing construction:

*Single family and multi-family dwellings including condominiums up to 4 attached units*

*Residential care facilities*

All systems shall be based on NFPA 13D with the following additions:

- 1) A minimum of 3 sets of sprinkler plans and calculations shall be provided to the Arcadia Department of Development Services. An approved set of plans shall be maintained on the job site at all times and made available to the Fire Inspector. Water supply test information shall be provided by the Arcadia Water Department. The test data shall be reduced by 10% for future use in all hydraulic calculations.
- 2) Detached garages over 1000 square feet and all attached garages shall be sprinklered and designed for an Ordinary Hazard Group 1 occupancy. All garages shall be designed for the 2 most hydraulically demanding heads flowing. Only commercial type intermediate temperature quick response heads shall be used in the garage area.
- 3) Sprinkler protection in the attic shall be provided above all forced air units. Only pendant or special attic quick response intermediate temperature sprinkler heads may be used in attic areas.
- 4) A hydraulic verification test shall be performed for all dwellings. Structures under 5000 square feet in combined area (residential and garage), shall be designed for 2 heads flowing for the residential area. Structures over 5000 square feet in combined area (residential and garage), shall be designed for 4 heads flowing for the residential area. See note 2 for garage design requirements.
- 5) Attached common use areas in condominium complexes such as utility rooms or enclosed trash receptacle areas shall be sprinklered. Only intermediate temperature quick response heads shall be used in these areas.
- 6) Attics and basements used for storage purposes shall be fully sprinklered with residential type heads.
- 7) A single exterior bell activated by the waterflow switch shall be provided at an approved location.
- 8) A representative sample of spare heads shall be provided at an approved location.

Effective January 1, 2017