



**MULTIFAMILY 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 construction:

*Apartment houses less than four stories*  
*Dedicated underground service protecting multi-family dwellings or*  
*condominiums housing with more than three attached units and less than four*  
*stories*

All systems shall be based on NFPA 13R 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) An interior horn shall be installed in all units near the dwelling sleeping areas and shall be activated by the sprinkler system flow switch.
- 3) Garages shall be sprinklered and designed for an Ordinary Hazard Group 1 occupancy. Only commercial type intermediate temperature quick response heads shall be used in the garage area.
- 4) Attics shall be fully sprinklered with quick response intermediate temperature sprinkler heads.
- 5) A hydraulic verification test shall be performed on all systems installed. Systems shall be designed for 4 heads flowing.
- 6) Common use areas such as utility rooms or enclosed trash receptacle areas shall be sprinklered. Only intermediate temperature quick response heads shall be used in these areas.
- 7) At least one 2 ½ inch Fire Department Connection shall be installed facing the street at an approved location.
- 8) Underground piping shall be flushed prior to being connected to any system riser. The flush shall be witnessed by the Fire Inspector. Dedicated underground fire service mains shall also be hydrostatically tested at 200 psi for 2 hours and witnessed by the Fire Inspector.
- 9) All control valves shall be locked and enclosed in areas not accessible to the public.
- 10) Systems with over 20 sprinkler heads shall be monitored by a UL listed central station for waterflow, control valve tampers and supervision as per NFPA 72.

Effective January 1, 2017