



ALPINE FIRE PROTECTION DISTRICT

FIRE PREVENTION POLICY MANUAL

REVISED

10/2013

[Signature]
FIRE CHIEF APPROVAL

3-31-2014

EFFECTIVE DATE

STANDARD

13D-13

RESIDENTIAL FIRE SPRINKLER SYSTEMS NFPA 13 D

SECTION 903.2 Where required An automatic fire sprinkler system installed in accordance with section 903.3 shall be provided throughout all new: dwellings, attached garages, carports, workshops, storage rooms, auxiliary use rooms and other similar structures.

Exceptions:

1. A Group U occupancy not greater than 500 sq. ft. when the building is more than 20 feet from an adjacent structure or property line.
2. An accessory building or barn not greater than 1000 sq. ft. which is not considered an enclosed building or structure and is of ignition-resistant construction, or which is determined by the fire code official not to present a significant fire hazard.
3. An agricultural building constructed of wood or metal frames over which fabric or similar material is stretched which is used as a green house unless it is connected to another structure.
4. A remodel when the scope of work does not include additional square footage or significant modification to the interior or roof of the existing portions of the structure or when the cost of installing an automatic fire sprinkler system in the existing portion of the structure is greater than 15% of the construction costs of the remodel. The fire code official may require other protective measures be taken based on existing conditions or potential hazards.

REQUIREMENTS Residential sprinkler systems shall follow the most current edition of NFPA 13 D.

HYDRAULIC CALCULATIONS:

0 – 6,999 Sq. ft.	2 Head Calculation
7,000 – 9,999 Sq. ft.	2 Head Calculation
Over 10,000 Sq. ft.	2 Head Calculation
Beams	No greater than 14” in depth. Over 14” – heads shall be placed in the pockets of each bay.

** All totals shall include garages

RESIDENTIAL SPRINKLER REQUIREMENTS