



## Utah County Fire Marshal

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[www.utahcounty.gov/firemarshal](http://www.utahcounty.gov/firemarshal)

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### AHJ Requirements for 13-D Fire Sprinkler Systems within Unincorporated Utah County

Effective September 26, 2016

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Residential fire sprinklers shall be in compliance with the 2013 edition of NFPA 13-D with the following stipulations:

1. **Horn and Strobe:** A horn and strobe water-flow alarm shall be mounted on the street side of the structure or as otherwise approved by the authority having jurisdiction (AHJ).
2. **Freeze Protection:** Sprinkler heads located in unheated areas shall be dry heads or protected from freezing in an approved manner. Sprinkler piping shall be routed within the heated envelope and insulation shall be tented over the pipes. Project general contractors should be advised that a separate inspection will be required for insulation.
3. **Garages:** Fire sprinklers are not required in garages over the man door to the main part of the dwelling.
4. **Third-Party Reviews:** Fire Sprinkler plans and water supply data shall be submitted for third-party review by a Utah County-approved engineer. Sprinkler System installation shall not commence prior to the receipt of final approved plans from the Utah County Fire Marshal's Office.
5. **Inspections:** AHJ shall be contacted 48 hours in advance at **(801) 851-8348** to schedule hydrostatic/rough-in, insulation and final inspections.
6. **CPVC in Unfinished Basements:** CPVP piping may be allowed in unfinished basements when in strict compliance with manufactures' installation guidelines; the project's general contractor should be notified in advance that fire blocking may be required.
7. **Certificate of Completion:** Fire sprinkler contractors shall submit an approved *Certificate of Completion* to the AHJ.
8. **Antifreeze:** Only **approved** antifreeze shall be allowed.

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9. **Required Posting:** When antifreeze is used in the fire sprinkler system, the following information shall be posted in a durable manner on or near the sprinkler riser as required by the Utah State Fire Marshal and NFPA 13-D:
  - a. Type of antifreeze solution
  - b. Concentration by volume
  - c. Volume of antifreeze solution used in system
  - d. Contractor name
  - e. Contractor license number
  
10. **Tags:** Fire Sprinkler riser shall be tagged by a sprinkler technician holding a certificate of registration from the Utah State Fire Marshal's Office.