



CALDWELL FIRE DEPARTMENT

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FIRE SPRINKLER REVIEW GUIDELINES

Fire Sprinkler System

Contact Information: Andy Cater 455-4703

When a Permit and Review is Required

A permit/review shall be required for the following work:

- A. New fire sprinkler systems; (IFC 105.7.1)
- B. Modifications, additions, or any changes to an existing system or underground lines. (IFC 105.7.1, IBC 901.3)

Adopted Codes and References

The following codes with references have been adopted by the City of Caldwell:

- A. 2012 editions of the IBC, IFC,
- B. 2010 editions of NFPA 13 and NFPA 72.

Required Fire Sprinkler Submittals

Documents submitted for permit and review shall consist of:

- A. Two (2) sets of plans;
- B. CD in PDF format of plans;
- C. Plan review form; (*Obtained online or from the Caldwell Fire Department*)
- D. Fire flow report. (*Obtained from the City of Caldwell Water Department*)

Plan review fee shall be required at time of submittal.

Tenant Improvement Work

Submittals for additions or modifications to an existing system shall include:

- A. Design Data for the existing fire sprinkler system, i.e., types of heads, design spacing, installation date;
- B. Type of existing system (wet, dry, chemical, etc.);
- C. Type of construction (IBC chapter 6);
- D. Occupancy classification (IBC chapter 3)

Water Supply Information

The Caldwell Fire Department requires that a fire flow report accompany the submitted documents for fire sprinkler review. Fire flow reports must be a certified document, either from the city or the architect of record. For all information regarding fire flow reports please call Gary Shoemaker at Caldwell Water Department 208-455-4793.

Underground Supply, Design and Inspections

The underground portion of the supply for the fire sprinkler system shall require a permit/review. Drawings must be stamped by a licensed engineer, and will require an additional review by the City Engineering Department. This may be in conjunction with the overhead portion of the sprinkler system. Submittals for the underground supply shall reference the same project (building permit) number. Calculations shall be provided referencing a starting point at the supply connection (private or public). All underground piping shall be inspected prior to cover.

Sprinkler Heads

Submittals shall include the manufacturer specifications indicating the type and number of heads, as required by NFPA 13. The Sprinkler Identification Number (SIN) shall be identified on the plans. Submittals shall include the listed escutcheons to be installed.

Re-submittals

A minimum of two (2) sets of plans will be required when re-submittals are required, along with a CD in PDF format. A response letter to the plan reviewers comments is required with re-submittals. A final inspection will not be performed until re-submittals have been properly addressed.