



Mariposa County Building Department

Mike Kinslow, Building Director

5100 Bullion St., P.O. Box 1268, Mariposa, CA 95338

Phone (209)966-3934 Fax (209)742-5024

Fire Sprinkler/Systems Inspection Notice

As of December 23, 2014 the Mariposa County Building Department has assumed the responsibility for the fire sprinkler/fire systems construction inspections from the Mariposa County Fire Department for Mariposa County. All building plan submissions shall now be submitted, fees paid and all calls for inspections made to the Mariposa County Building Department. Please submit fire sprinkler/fire system plans at the time of full plan submittal. No deferred submittals will be accepted because of the necessity to compare sprinkler plans with the architectural design at the time of plan approval.

Some of the Residential Fire Sprinkler issues that have come up and that we will be watching for are as follows:

1. Residential fire sprinkler plans shall be designed by a licensed California Engineer or a California C-16 Contractor that actually installs the system. Two sets of plans shall be stamped, wet signed and submitted to the Building Department.
2. Residential fire sprinklers (NFPA 13D) shall be installed by a C-16 contractor or a licensed California Plumber. In regards to fire sprinkler installation, California law allows a home owner to do his own work on his own home, however Mariposa County requires a homeowner to demonstrate a competent skill level by acquiring a residential sprinkler installer certification. Proof of this certification shall be required at rough-in inspection. A general contractor (B-2) may not install fire sprinklers (see attached e-mail from the Contractor State License Board).
3. The residential sprinkler rough-in shall be scheduled at the same time the framing, electrical, mechanical and plumbing inspection is called for. Mariposa County approved building and sprinkler plans must be on site at time of inspection.
4. A sprinkler system flow test is required to be performed by the installer at the time of the rough-in inspection.
5. All sprinkler systems, PEX and CPVC, shall be thoroughly flushed for debris at rough-in.
6. CPVC systems shall be cut, de-burred, glued and flushed per the California Plumbing. There have been cases of de-burred CPVC material clogging sprinklers in actual use.
7. Hangers and supports for installed sprinkler piping must meet plan requirement for spacing and code minimums.
8. Extra CPVC 90's in the system will require engineering approval.
9. Any field changes of a sprinkler system, no matter how minor, will require review and approval by the design engineer or C-16 contractor.
10. Sprinkler plans must show any below floor or in attic fuel fired HVAC system and its corresponding fire sprinkler head location.
11. Mariposa County does not require any additional NFPA 13D components that are not required in the basic code.
12. A Residential Fire Sprinkler Installation Affidavit shall be signed by the Sprinkler System installer (attached).



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Residential (NFPA 13 D) Fire Sprinkler Installation Affidavit

According to the California Contractor State License Board and California Assembly Bill No: AB433, only C-16 contractors (Fire Sprinkler), plumbers (C-36) or owner-builders of owner-occupied, single family dwellings may install residential NFPA 13D fire sprinklers. A general contractor may not install residential fire sprinklers. Below is an affidavit that certifies that a C-16 contractor, C-36 contractor or owner-builder has installed a NFPA 13D sprinkler system in a specific home.

I (installer's name) _____

(installer's signature) _____

a (C-16, C-36 or owner-builder) _____

have installed, and take full responsibility for, a NFPA 13D residential sprinkler system installed at:

Property address _____

APN# _____

Mariposa County Building Permit # _____

This affidavit must be completed and submitted to the Mariposa County Building Department prior to the issuance of a certificate of completion or occupancy for the above property.

NFPA 13D Sprinkler Installation Certification

Permit #: _____ Date: _____

	Property Protected	System Installer	System Supplier
Business Name:	_____	_____	_____
Address:	_____	_____	_____
Representative:	_____	_____	_____
Telephone:	_____	_____	_____

Location of Plans: _____

Location of Owner's Manual: _____

1. **Certification of System Installation:** Complete this section after system is installed, but prior to conducting operational acceptance tests.

This system installation was inspected and found to comply with the installation requirements of:

- _____ NFPA 13D
- _____ IFC and IBC
- _____ Manufacturer's Instructions
- _____ Other (specify; FM, UL, etc.) _____

Print Name: _____

Signed: _____ Date: _____

Organization: _____

2. **Certification of System Operation:** All operational features and functions of this system were tested and found to be operating properly in accordance with the requirements of:

- _____ NFPA 13D
- _____ IFC and IBC
- _____ Manufacturer's Instructions
- _____ Other (specify) _____

Print Name: _____

Signed: _____ Date: _____

Organization: _____

NFPA 13D Sprinkler System Acceptance Inspection

2009 IFC and 2010 NFPA 13D

This checklist is for jurisdictions that permit the use of the 2010 NFPA 13D in lieu of IFC's referenced 2007 NFPA 13D.

Date of Inspection: _____ Permit Number: _____

Business/Building Name: _____ Address of Project: _____

Contractor: _____ Contractor's Phone: _____

Reference numbers following checklist statements represent an NFPA code section unless otherwise specified.

Pass | Fail | NA

- 1. | | Approved drawing and certification documents on site.
- 2. | | System is leak tested at normal operating pressure when an FDC is not provided, 4.2.1.
- 3. | | The one system control valve for both the sprinkler and domestic systems is on. If the sprinkler system has its own control valve, the valve is supervised by one of the three approved methods, 7.1.2
- 4. | | Signage is adjacent to the main water shut off valve: Warning, the water system for this house supplies a fire sprinkler system that depends on certain flows and pressures being available to fight a fire...Don't remove this sign., 6.5.1.

Riser Room

- 5. | | Operate the drain valve on the system side of the control valve.

Sprinklers

- 6. | | Spacing between sprinklers and distance from a wall does not exceed its listing, and sprinklers have a minimum spacing of 8 ft. between other unless their listing allows reduced spacing, 8.1.3.
- 7. | | Sprinkler heads are not painted, covered, or blocked.
- 8. | | Proper type and temperature sprinklers are used.
- 9. | | Escutcheon plates are installed and pendent/upright deflectors are within 1 in. to 4 in. from the ceiling, sidewalls are within 4 in. to 6 in. from the ceiling or all are per their listing.
- 10. | | Pendent and upright deflectors in closets can be installed within 12 in. of the ceiling, 8.2.1.3.
- 11. | | Sprinklers are in all areas except bathrooms 55 sq. ft. or less; clothes closets 24 sq. ft. or less with noncombustible or limited-combustible surface materials, and the least dimension does not exceed 3 ft.; garages, open attached porches, and carports; attics, crawl spaces, and concealed spaces not used; covered unheated projections from buildings at entrances/exits as long as there is another means of egress from the dwelling unit, 8.6.

Pipe and Support

- 12. | | Piping layout and diameters match those on the approved plans.
- 13. | | Pipe hangers and supports are in accordance with the manufacturer's requirements.
- 14. | | Pipe laid on open joists is secured to prevent lateral movement.
- 15. | | Pipes in attics are adequately insulated, 7.7.
- 16. | | Antifreeze (AF) system is installed in accordance with the approved plans and detail. The local plumbing regulations may require a backflow prevention device, and shall be indicated on the plans.

Additional Comments

Inspection Date: _____ Approved or Disapproved _____ FD Inspector: _____

Inspection Date: _____ Approved or Disapproved _____ FD Inspector: _____

Building

From: Sisto, Andrea@CSLB [Andrea.Sisto@cslb.ca.gov] on behalf of CSLB Classifications Deputy@CSLB [Classifications@cslb.ca.gov]
Sent: Thursday, January 08, 2015 3:18 PM
To: Building
Subject: Correspondence
Attachments: CSLB.Copier@cslb.ca.gov_20150108_161416.pdf

Good Afternoon Mr. Kinslow,

I am in receipt of the attached written correspondence dated 12/31/2014 regarding fire sprinkler installation. Your questions was if a B - General Building contractor may contract for and install a fire sprinkler system with the passing of AB433 which allows C36 - Plumbing contractors to install fire sprinkler until January 2017.

The passing of AB433 did not change the rules for the B - General Building contractor. They would need to subcontract the work to either a C16 - Fire Protection or a C36 - Plumbing classifications unless they held the classification in addition the their B - General Building license.

Thank you,

Andrea Sisto

Classifications Deputy
Contractors State License Board
Fax (916) 255-6332
9821 Business Park Drive
Sacramento, CA 95827

This determination is not a formal declaratory decision under the comprehensive process in the Administrative Procedures Act. I trust that the foregoing information has been of assistance to you.