

CENTRAL MARIN FIRE DEPARTMENT



Developed by the Marin County Fire
Prevention Officers

Approved by:

Rubén Martín
Ruben Martin, Fire Chief

Fire Protection Standard 219

Exterior Wildfire Protection Systems

Date: 08/21/2017

Revision: 01/01/2023

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This standard is promulgated pursuant to the local amendments to the California Fire Code. This standard applies to any occupancy where exterior fire sprinkler systems are installed with the intention to protect the structure from wildfire. The system design criteria, as set forth in this standard, are based on water supply and demand and topographical and climatic factors as listed in local amendments made to the California Fire Code.

Definitions

Alternate Method of Compliance:

An approved method of compliance that, in the opinion of the Fire Code Official, meets the intent of the provisions outlined in the Fire Code.

Exterior Wildfire Protection Systems:

An approved system of devices and equipment which is automatically or manually activated to discharge water and or an approved fire-extinguishing agent onto the structure and or the exterior of the structure to hydrate the Immediate Zone 0 (0-5 feet from the home, including the home) and the Intermediate Zone 1 (5-30 feet from the home) not being used for agricultural purposes.

Requirements

General

- Construction documents, calculations, and a permit are required for the installation, rehabilitation, and/or modification of all fire and life safety systems. Construction documents shall be submitted for review and approval prior to system installation CFC 901.2
- The sprinkler system design and installation shall comply with provisions of the most recently adopted version of this standard.
- Plan check and inspection fees shall be paid at the time of plan submittal.
- Plans shall have a diagram of the water supply detailing how the exterior wildfire protection system will be connected to the main water supply for the building.
- The water supply for an exterior wildfire system shall in no cases be supplied by the Fire Sprinkler supply line side for the building, must be connected on the domestic side of an RSV-1 valve or other approved automatic shutoff device for NFPA 13D systems, and be equipped with an audible and visual device acceptable by the AHJ.

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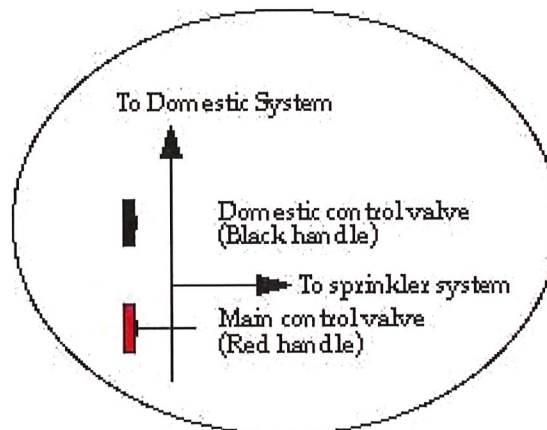
Alarms and Monitoring

- An exterior audible and visual device shall be mounted so as to be audible and visible from the roadway fronting the home or residence. The audible and visual device shall have a sign stating “**EXTERIOR SYSTEM ACTIVE CALL FIRE DEPARTMENT**” or similar wording.

An alternative monitoring system can be used as approved by the AHJ.

Control Valves

- Valves controlling the water supply to exterior wildfire protection systems shall also shut off the domestic supply to the dwelling. Valves shall be distinguishable, accessible, and located adjacent to the structure. The main system control valve shall be distinguishable by means of a permanently attached tag stating “Exterior wildfire protection system” or similar wording.



Contractor

- The sprinkler contractor shall have a qualified representative present at all sprinkler system inspections. An approved set of the plans and all supporting documentation shall be on site and readily available during inspections.