



# SUTTER COUNTY

## DEVELOPMENT SERVICES DEPARTMENT

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Building Inspection  
Code Enforcement  
Planning

Environmental Health  
Emergency Management  
Fire Services

Engineering  
Road Maintenance  
Water Resources

### Residential Fire Sprinkler System Submittal Requirements

The following information is the minimum required for approval of a residential fire sprinkler submittal. Please check off each item, sign, and return this sheet with each submittal. If the item is non-applicable write N/A next to the check box:

#### General Information

- Property Address
- Name and address of the property owner and/or general contractor
- Name, address, phone, fax and license number of installing sprinkler contractor
- City water pressure information; Indicate the source of the information
- Well, pump and storage tank information. Include a well report and data sheet for the pump
- Full height building cross section showing the location of the sprinkler heads and piping
- Symbol legend
- Sprinkler legend including total for the project

#### Fire Sprinkler Riser Detail

- Location of main control valve for the domestic and fire sprinkler systems
- Location of the domestic tie-in showing the domestic control valve
- Location of the water flow switch, check valve, pressure gauges, and test/drain assembly
- Location of transitions between all piping materials
- Hydraulic reference points

#### Piping Plans

- All plans must be drawn to an indicated scale on a minimum sheet size of 24" x 36"
- Completely dimension the plans. Dimension the sprinkler heads off of all adjacent walls
- Location and type of all light fixtures. Indicate the size and depth of all fixtures that are not flush with the ceiling
- Location of all heat producing devices (i.e. fireplaces, wood stoves, ovens, ranges, diffusers, furnace, water heaters, etc.) Show the heat zone of each device and maintain the proper distances from these devices
- Ceiling elevations. Clearly indicate any sloped, beamed, or special shaped ceilings. Indicate the degree of slope (or rise/run) on all sloped ceilings.
- Size, depth and spacing of any exposed beams
- Provide room names
- Clearly indicate the use of any area or room where sprinkler protection is not being provided

- Indicate the location of all sprinkler heads
- All sprinklers must be spaced along the slope of the ceiling
- Indicate the type, size and length of all pipes
- Indicate the type and location of all pipe hangers
- Indicate the riser location
- Location of the alarm bell
- Method of freeze protection
- Hydraulic reference points
- Indicate the basis for the hydraulic design (i.e. 16 x 16 spacing, 18 x 18 spacing, etc)
- All sprinklers must comply with the current UL 1626 requirements providing a minimum density of .05 gpm/ sq ft (The discharge requirements and number of design sprinklers shall be in accordance with the manufacturer's literature).
- Sutter County requires an intermediate temperature rated fire sprinkler for the garage area. Reflect this information on the fire sprinkler head detail.
- If a mechanical unit is located in the attic space an intermediate fire sprinkler head is needed above the unit in the attic. Provide clarification on the plans for this requirement.
- Provide a note on the plans that states; A sign or valve tag shall be installed at the main shut off valve to the water distribution system the sign shall state "Warning, the water system for this home supplies fire sprinklers that require certain flows and pressures to fight a fire. Devices that restrict the flow or decrease the pressure or automatically shut off the water to the fire sprinkler system, such as water softeners, filtration systems and automatic shut off valves, shall not be added to this system without a review of the fire sprinkler system by fire suppression specialists. Do not remove this sign. (2016 CRC R313.3.7)

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Contractors Signature/Representative

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Date