

WOODSIDE

FIRE

PROTECTION

DISTRICT

**Fire Sprinkler System
Submittal Requirements**



4091 Jefferson Ave · Redwood City, CA · 94062 · Fire Prevention 650 423-1406 · Fax 650.366-1064

Woodside Fire Protection District requires 3 sets of sprinkler plans and calculations to be submitted along with a \$350.00 plan check fee (make checks out to Woodside Fire Department). Please submit sprinkler plans directly to Woodside Fire Protection District at 4091 Jefferson Ave. Redwood City, Ca 94062. Plans will be reviewed and returned within 10 days. Second review is no additional fee. After second review any additional reviews will be \$150.00 each.

****NOTE****

If you are submitting to the County of San Mateo please be aware that you still need to submit 3 copies of sprinkler plans and calculations to the Woodside Fire Protection at 4091 Jefferson Ave. Redwood City with the appropriate plan check fee.

Fire Sprinkler Plan Check/Inspections:

\$350.00

This fee includes 2 plan checks and 3 inspections.

Third plan check will be 150.00.

Additional inspections will be \$60.00 each.

Inspections Required:

- 1) ***Rough/Hydro***; 200 psi holding for 2 hours & visual inspection of all piping
- 2) ***Final Fire Sprinkler***; flow of system at inspectors test valve, bell activation, verification system pressure and correct meter size.

AS BUILTS REQUIRED IF MODIFYING INSTALLATION FROM APPROVED PLANS

TO SCHEDULE INSPECTIONS CALL 650 851-1594 OR 650 423-1406

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Fire Sprinkler System Plan Check Submittal Requirements



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The following information is the minimum required for approval of a residential or commercial fire sprinkler submittal. All fire sprinkler plans submitted to WFPD must have the following information on plans.

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 and or tank
- Full height building cross section showing the location of the sprinkler heads and piping
- Symbol legend
- Sprinkler legend including totals for the project

Site Plan

- Relevant property lines
- Outline of residence and any additional structures located on the property
- North arrow
- Streets adjoining property
- Access roads, driveways, etc.
- Location, size, pipe type, and length of underground supply line from the city main to the water meter
- Location and size of the water meter
- Location, size, pipe type, and length of underground supply line from water meter to house
- Location and size of the fire sprinkler riser
- Elevation difference between the base of the fire sprinkler riser and the city connection
- Hydraulic reference points

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

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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.
- Show location of ceiling fans
- 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
- 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 pipe
- Indicate the type and location of all pipe hangers
- 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).
- Pilot sprinkler shall be installed at 20-foot (maximum) intervals along all roof ridgelines.
- The fire sprinkler system flow switch shall be interconnected with the smoke detection system for audible alerting purposes.
- A 200-psi hydrostatic test will be required.
- A final inspection will be conducted to verify head installation, verify pressure and meter size

I have reviewed the above list and have complied (or will comply) with all items checked. The items that do not apply to this project have been indicated as N/A. Any items not checked or indicated as N/A have been addressed in the attached letter. I understand that if all the information required above is not shown on the plans or in the calculations the submittal will be returned without review.

Name

Title

Date