



Modesto Fire Department
FIRE PREVENTION DIVISION

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FIRE SPRINKLER PLAN REVIEW GUIDELINES

Listed below are the basic information requirements to complete a plan review.

- 1. Submit three copies of plans drawn to an indicated scale on a minimum sheet size of 24" x 36" with a printed title block.
- 2. Indicate the project name, full street address, Assessors Parcel Number (APN), tract number, and associated building permit number. Show north pointing arrow.
- 3. Provide contractor's name, address, phone number, and license number with type of license (C16), and date of expiration. Homeowners may submit plans for residential systems only if the homeowner is the designer and installer of the system. All plans must be "wet" signed.
- 4. Note date of California Building Code, California Fire Code, and NFPA references.
- 5. Include a comment whether or not a site plan is required and if it has been approved.
- 6. Indicate property lines, nearby buildings, adjoining suites, driveways, and streets.
- 7. Describe the scope of work. Cloud or isolate project areas. Show elevations. Show the scope of work and specify the total square footage including garage and any other attached structures.
- 8. Provide water flow test data used to design the project including source and date. Be sure to provide any well or storage tank information pertinent to the project.
- 9. Provide sprinkler calculations. Indicate size of water meter.
- 10. Show location of all risers. Diagram riser details (specifications, gauges, check valve, main drain, water flow switch). Indicate the location of the inspector's test valve, Fire Department Connection (FDC), and water flow valve (PIV, OS&Y, butterfly).
- 11. Show sprinkler piping and size, heads, hangers, and earthquake bracing details. Include manufacturer's cut sheets.
- 12. Provide a legend that identifies a different symbol for existing, relocated, and added sprinkler heads. Include matrix of heads used per riser (type and number).
- 13. Include all architectural obstructions such as drop ceilings, trusses, beams, ducts, soffits, columns, arches, and lintels. Show location of lighting fixtures, exit signs, emergency lights, and other objects that are in close proximity to a sprinkler head.

All items may not pertain to every project.

Other information may also be required.

Direct specific questions to a plan checker at (209) 551-5516.