



**Katie Hobbs**  
Governor

## Office of the State Forester

### Arizona Department of Forestry and Fire Management



**Thomas A. Torres**  
State Forester

## **AUTOMATIC SPRINKLER SYSTEM SHOP DRAWING SUBMITTAL**

**NO construction shall commence until project plans have been reviewed, approved, and a state permit issued.** Construction without a permit shall receive a Red Tag/Immediate Stop Work Order. A Stop Work Order will not be lifted until a permit is issued and the contractor pays a re-inspection fee.

**Note:** All submittals shall be stamped by an Arizona Design professional or NICET / CSA 3 or above, designed per 2018 IFC and appropriate NFPA 13, 13R or 13D.

### **SUBMITTAL GUIDELINES**

**Note: Plans for fire protection sub-systems such as fire lines, fire sprinkler systems, and fire alarm systems will not be approved before approval of general site construction documents.**

The submittal **shall include, at a minimum,** the following:

1. Name and address of the facility.
2. Name and address of installing contractor, class of license, and license number and contact phone number.
3. Type of facility, product or commodity, and type and class of hazard. (Consistent with stamped construction plans.)
4. Floor plan with all doors, windows, partitions, rated walls & mechanical equipment.
5. Type of ceiling and roof construction.
6. Type of sprinkler system, Wet, Dry, Pre-action, Deluge, etc.
7. Total square footage protected by system.
8. N.F.P.A. standard and edition used in design.
9. Indicate any additions or changes to an existing pipe schedule or calculated system.
10. The system supply flow data including; date, time, location and name of person responsible for the test.
11. The model type, number and operating temperature of all sprinkler heads.

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12. If applicable, describe system freeze protection.
13. A scaled site plan indicating hydrants & fire department access. Indicate F.D.C. (Fire Department Connection) location, type and thread standard.
14. The type of pipe used for overhead and underground system.
15. Identification of all floors and concealed areas. Provide explanation of the exemption for any area without sprinklers.
16. A plan indicating the full height cross sections including location of sprinkler heads.
17. The distance between heads, branch lines and walls.
18. A detailed and labeled riser diagram.
19. The hanger locations, types, sway bracing and seismic zone protection provided.
20. The location of inspectors' test valve in system. (Interior drain shall handle full test flow or be directed to the outside of the building)
21. The type and location of alarm bells and interconnection to fire alarm system.
22. The description, type and size of all couplings and fittings.
23. If required, all fire pump specifications.
24. All required U.L. or F.M. approvals for system components.
25. System hydraulic calculations.

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