

Office of the State Forester

Arizona Department of Forestry and Fire Management



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 be an Arizona Design professional or NICET / CSA 3 or above, designed per 2018 IFC and appropriate NFPA 13, 13R or 13D.

SUBMITTAL GUIDELINES

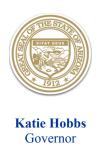
Note: Plans for fire protection sub-systems such as fire lines, fire sprinkler systems, and fire alarm systems will not be approved before approval of general site construction documents.

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.

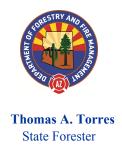
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- 12. If applicable, describe system freeze protection.
- 13. A scaled site plan indicating hydrants & fire department access. Indicate F.D.C. (Fire Department Connection) location, type and thread standard.
- 14. The type of pipe used for overhead 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.