



OFFICE OF THE STATE FIRE MARSHAL



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Inspection Requirements for a fire Sprinkler system 200lb Rough-in **The Below requirements are in accordance with NFPA 13 standards.**

Note: a fire sprinkler permit only allows for two inspections; one rough in and one final.

- Arizona State Fire Marshal approved plans and permit must be on site.
 - Appropriate certified installer on site. (Minimum NICET 2 / CSA 2/ Fitters Card)
 - System has been pressurized to 200lb or 50lb above working pressure whichever is greater.
 - For the addition of 20 heads or greater, the addition must be isolated if possible and hydrostatically tested.
 - The system must have been at test pressure for two hours before the start of inspection.
 - Dry Pipe and Double Interlock System(s) Air Test, in addition to the standard hydrostatic test, an air pressure leakage test at 40 psi shall be conducted for 24 hours. Any leakage that results in a loss of pressure in excess of 1½ psi for the 24 hours shall be corrected.
 - Third party witness of the time that the hydrostatic pressure was started must be on site during inspection.
 - Pressure of the system is maintained without any leaks during inspection.
 - Hard lids and drop ceilings do not obstruct inspection.
 - Proper listed hanging methods were used, and hangers or restraints are installed correctly.
 - Proper pipe diameter per plans.
 - Pipe used matches submitted plans.
 - Fittings are of approved type.
 - Drains as required per NFPA 13 installed.
 - Overhead sprinkler coverage in accordance with applicable NFPA standard.
 - Sprinkler heads match approved plans as per temperature rating and K factor.
 - Sprinkler head deflectors parallel to roof.
 - Note: NFPA form "Contractor's Material and Test Certificate for Aboveground Piping" will need to be received from installing contractor at final inspection.
 - **Note: The fire sprinkler installing contractor will need to coordinate with the fire alarm contractor when calling for final.**
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- **This form is used only as a guide. Final approval is contingent upon favorable field inspection.**

Revised 8-24-2012