



# OFFICE OF THE STATE FIRE MARSHAL



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## **Inspection Requirements for a fire Sprinkler system Final The requirements are in accordance with NFPA 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)
- Proper four-way sway bracing attached to main riser.
- Bottom of riser is finished properly.
- Spare Head box securely mounted with minimum required quantity of heads, wrench for each type of spare head, and an original NFPA 25.
- FDC has correct threads or connections and is properly capped.
- All sprinkler heads provide coverage in accordance with NFPA standards and their listing.
- Sprinkler heads are installed with regards to obstructions, pockets, beams and soffits.
- Extended coverage sprinklers installed in accordance with approved design characteristics.
- Fire sprinkler heads response type and temperature are installed in accordance with code.
- Provided appropriate signage for sprinkler control valves, Main drain, and Inspectors test valve.
- Rooms containing control valves are marked accordingly.
- Hydraulic Design Information Sign securely attached at main riser, the sign shall include the following information:
  - (1) Location of the design area or areas
  - (2) Discharge densities over the design area or areas
  - (3) Required flow and residual pressure demand at the base of the riser
  - (4) Occupancy classification or commodity classification and maximum permitted storage height and configuration
  - (5) Hose stream demand included in addition to the sprinkler demand
- Main drain test will be performed to acquire static and residual available pressures.
- Calculation plate required flow and pressure agree with the results of the main drain test.
- Inspectors test valve alarm activation must be within 30 and 90 seconds.
- Outside sprinkler bell operated during flow test.
- Tamper switch must report to main fire alarm panel.
- Perform an open circuit on tamper and flow switch.
- Fire alarm panel must report to offsite monitoring station.
- If no tamper monitoring is required by code, valves must be secured and locked.
- Received Material Certification and testing for aboveground piping.
  
- **Note: The fire sprinkler installing contractor will need to coordinate with the fire alarm contractor when calling for final.**
  
- **This form is used only as a guide. Final approval is contingent upon favorable field inspection.**