



Buckeye Fire Department
Fire Prevention Division

Final Fire Sprinkler System Inspection

1. Inspection shall be scheduled by the fire sprinkler contractor.
2. Verify the installing contractor has a valid City of Buckeye Fire Department “Fire Equipment Contractor Permit” and “On Site Competent Person” with documentation. No fire inspections will be conducted until permit is obtained and competent person documentation is provided.
3. Fire sprinkler contractor shall provide an Aboveground Contractor Material and Test Certificate for each system installed. Final fire inspection shall not be conducted without this documentation. This certificate is found in NFPA 13.
4. Consult approved plans.
5. Verify tamper switch and flow switch components are installed and functioning on the fire sprinkler system.
6. Observe a main drain test. Document static pressure and residual pressure; then verify the residual pressure at the base of the riser meets or exceeds the required system demand pressure listed in the approved hydraulic calculation summary on the approved plans. Also, verify that hydraulic placard on fire riser assembly is correctly filled out.
7. Verify that ALL required fire sprinkler system signage is in place.
 - a. Main drain.
 - b. Access panels shall be provided for all valves located inside a wall or concealed space. Signage shall be provided on the outside of access panel indicating type of valve that is concealed within. (This includes Fire Department Connection check valves).
 - c. Control valves.
 - d. Inspectors test.
 - e. Fire Department Connection.
 - f. Hydraulic Placard. (If hydraulic placard is located on a fire riser that will be exposed to corrosive conditions then hydraulic placard shall be aluminum and hydraulic information shall be engraved or stamped).
8. Verify that spare fire sprinkler cabinet is installed in an area that will not exceed 100 degrees Fahrenheit and has the following contents; the correct number of spare fire sprinklers, correct size fire sprinkler wrench, and a NEW current issue NFPA 25. (An ILLEGALLY copied NFPA 25 is NOT acceptable).
9. Verify floor is sealed where fire riser flange spigot penetrates the building.



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10. Verify all fire rated walls and exterior wall pipe penetrations are sealed by approved means.
11. Walk through building to verify;
 - a. Verify proper placement, type, and temperature of fire sprinklers.
 - b. Verify that fire sprinklers are free of ALL obstructions, including building elements.
 - c. Verify fire sprinklers are not painted. Painted fire sprinklers shall be replaced, they shall NOT be cleaned.
 - d. Verify fire sprinkler escutcheons are properly installed per the fire sprinkler's manufacturer data sheet.
12. Observe activation test of fire alarm system notification appliances and electric bell on fire sprinkler system water flow through inspector's test valve. Alarms shall activate in ninety (90) seconds or less with the flow switch adjustment setting on or greater than "B". Document the time it takes the alarms to activate.