



CITY OF TOLEDO OHIO



FIRE AND RESCUE DEPARTMENT

FIRE SPRINKLER SYSTEM FINAL INSPECTION TMC 1512.08 (4)

The installing contractor must have a valid City of Toledo business license & a construction permit. Approved plans shall be on site. Fire inspections cannot be conducted until the license and permit are obtained.

A *Contractor's Material and Test Certificate for Aboveground Piping* is required and completed for each system installed. **Signatures of installing contractor and building owner or rep** must be on the form. Final fire inspection cannot be performed without this document. (NFPA 13 25.1)

Proper signage is required on the riser components: (NFPA 13 6.6.4)

- Control valve
- Main drain
- Inspectors' test
- Hydraulic design information plate (NFPA 25.5.1)

Installation of a sprinkler head cabinet is required and shall contain the following: (NFPA 6.2.9)

- The correct number of heads (2) for each type & temperature rating
- Sprinkler head wrench (1)
- A list of the sprinklers installed in the property

Proper sealing is required where piping penetrates floors and walls. (OBC Section 714)

A Main Drain Test is required and shall involve recording the static and residual pressures on the *Contractors Material and Test Certificate Form and the general information placard*. The main drain valve shall be opened and remain open until system pressure stabilizes. (NFPA 13 25.2.3.4)

Activation of the fire alarm notification devices on water flow, thru inspectors' test connection is required and shall result in an audible alarm on the premises within 5 minutes after each such flow begins and until such flow stops. Results should be recorded on the *Contractors Material and Test Certificate Form*. And should include the following devices: (NFPA 13 25..2.3.1)

- Electric water flow bell on the exterior of the building
- General alarm devices in the building

Note: Confirm "Alarm" status at the control panel and observe description of activated device.

The following "Supervisory" signals and descriptions of activated devices should be seen at the control panel:

- Tamper switches on valves (indicating a closed or partially closed valve)
- b. Fire pump running or loss of AC power.
- c. Low air pressure on dry pipe systems (shall not drop below 7psi)

Note: All sprinkler systems are required to be monitored by a listed supervising station unless otherwise approved. Confirm receipt of all signals at the supervising station.

General confirmation items for a building walk thru:

- Sprinkler heads are free of obstructions by building elements (soffits, light fixtures, ceiling fans, exit signs, decorations, ect.)
- Sprinkler heads are not painted and all protective covers have been removed
- All sprinkler escutcheons have been installed properly
- Door and room signs are installed where required (example: "Sprinkler Riser Room" or "Fire Sprinkler System Inside")
- Look at anything not completed at rough inspection

NOTE: Copies of approved plans and all acceptance paperwork are required to be located in a *fire alarm document box* located somewhere near the riser(s) or fire control panel.