



Springfield Fire Department Plan Submittal Requirements for Fire Suppression Systems

Fire suppression system requirements are based on the adopted editions of the International Code Council (ICC), Springfield City Code Chapter 94, and National Fire Protection Association (NFPA) standards.

Requirements vary by system type. This document outlines the **minimum** submittal requirements for sprinkler system plans. The submitter is responsible for identifying the system type and providing all information necessary for review and approval. Additional information may be needed for the construction documents to convey a clear representation of the designer's intent. The following section is a list of general requirements for "all" fire protection plans submitted.

1. Plans submitted for approval **MUST** include a minimum of **2** hard copies and **1** digital copy of the working plans, applicable hydraulic calculations, and product cut sheets.
2. The plans submitted for approval shall be the working plans/construction documents for the system installation and shall be drawn to scale.
3. All plans shall include the Name of the owner and occupant, location, including street address.
4. Full height cross-section or schematic diagram, including structural member information if required for clarity, and including ceiling construction and method of protection for nonmetallic piping.
5. The plan shall include sections and details necessary to clarify building construction, location of Fire Walls and Partitions.
6. Occupancy Class of each area or room.
7. Any small enclosures in which no sprinklers are to be installed.
8. Size of the city water main and whether it is a dead end or a circulation line.
9. Total area protected by each system on each floor.
10. Size and location of standpipe risers, hose outlets, and related equipment.
11. Hydraulic data name plate.
12. If the room design method is used, all unprotected wall openings throughout the floor are protected.
13. Information about backflow preventors (Manufacturer, size, type).
14. Size and location of Hydrants.
15. Size, location, and piping arrangement of fire department connections.
16. Ceiling roof heights and slopes are not shown in the full height cross-section.
17. A signed copy of the owner's certificate and the edition year of NFPA 13 used.