

Sprinkler System Installation Requirements

All Fire Sprinkler Installers must be licensed by the Town of Southampton. Questions about licensing shall be referred to the Town of Southampton- Licensing Review Board (631) 287-5700 or the Town of Southampton web site <http://www.southamptontownny.gov/>

Sprinkler installer MUST specify the OCCUPANCY CLASSIFICATION and TYPE OF FIRE SPRINKLER SYSTEM proposed. Installer must submit two sets of drawings and riser diagrams; one set of hydraulic calculations (in accordance with NFPA 13 Section 14) and one set of cut sheets for ALL devices being proposed.

Plans & Hydraulic calculations MUST be signed & stamped by NYS Licensed Engineer or Architect.

Drawings must include one plan page per floor showing: detailed floor plan of all areas, partitions, firewalls, specifications on the use/occupancy of each space (detailing the type and quantity of combustible storage), be legible and clearly show the location of all proposed devices. A legend must be supplied on the drawing(s) indicating scale and all other pertinent information (see NFPA 13 Chapter 14.1.1). All plans shall indicate the number of devices being installed.

A flow test of the water supply system must be provided. The test must be within six months of the proposed installation.

Specifications shall be provided on pipe hangers, including diagram of hanger assembly, spacing of hangers and method of attachment to the building structure.

All plans to include a statement indicating "This installation is in accordance with NFPA 13 except as specifically noted on the installation plans."

WORK SHALL NOT BE STARTED PRIOR TO RECEIPT OF PERMIT APPROVAL. IF WORK IS STARTED PRIOR TO APPROVAL, LEGAL ACTION WILL BE TAKEN.

An outside water flow indicator shall be located in the vicinity of the Fire Department connection. This device may be either a water motor gong or electronic alarm device. If a water motor gong is used, the outside bell shall be painted red and have the words "Sprinkler Water Flow Alarm" clearly visible on or adjacent to the sounding device. If an electronic device is used, it shall operate only on a sprinkler water flow and have the words "Sprinkler Water Flow Alarm" clearly visible on or adjacent to the sounding device.

The size and quantity of fire department connections shall be determined by the requirements established by the hydraulic calculations. For multiple sprinkler systems within one building, it is preferred to have a single fire department connection. Fire Department connections shall be standard "Siamese" type. Connections shall be listed and approved for use as a Fire Department Connection.

All fire department sprinkler connections are to be painted green, have the proper protective caps, and have a sign posted above the connection stating "Fire Department Connection". In some locations a security cover maybe desirable (**contact the Department of Fire Prevention at 702-2919 prior to submittal of this proposal**).

Fire department connections SHOULD NOT be located:

1. Directly under or within 10 (ten) feet of any windows.
2. Within 10 (ten) feet of any door with less than a two hour fire rating.

3. Under any roof, awning or similar overhang extending more than six inches from the wall, unless the building is of type I construction.
4. Within 15 (fifteen) feet of any electric or gas meter, natural gas or LPG pipe.
5. More than 50 feet from the street or primary fire department access lane.
6. In any location that would be obstructed or otherwise prevent quick fire department connection with appropriate fire hose.

For buildings with more than one fire department connection, each connection shall be clearly marked with a sign not less than 24"x24" indicating exactly which portion of the building is protected by the sprinkler riser fed by that fire department connection. This sign shall be placed at least 7 feet from grade level in the immediate vicinity of the fire department connection.

Each sprinkler control room shall be clearly labeled with a sign reading "Fire Sprinkler Control Room". Access to room to be provided to the Fire Chief in a method acceptable to the Fire Chief and the Fire Marshal.

Each sprinkler control room shall have an adequate supply and assortment of spare sprinkler heads and a sprinkler wrench in accordance with NFPA 13 6.2.9.

All sprinkler control valves shall be clearly labeled as to their function and their operating position (open/closed). All water supply control valves shall be supervised or made tamper proof with a method approved by the Chief Fire Marshal.

All dry-pipe systems shall have listed pressure gauges in compliance with NFPA 13 chapter 7.2.1. All dry-pipe systems shall be supervised for low air pressure.

Contact the Department of Fire Prevention at 702-2919 with any questions or requests for deviations from above or deviations from NFPA 13.

Contact the Department of Fire Prevention 702-2919 at least three business days in advance to schedule an appointment for a final test/inspection. Final inspections will include a 2 hour/200 PSI test and inspectors water flow test. Installation shall not deviate from approved plans. Dry-pipe systems will include trip test of the dry pipe valve.

The fire alarm installer or a technician capable of troubleshooting MUST be on site during the final sprinkler test/inspection so that water flow and tamper signals can be tested.

It is advisable that the building/business owner be on site during the final sprinkler test/inspection.

When required by the building/business owner's insurance company, it is the responsibility of that building/business owner to notify that company of the final acceptance test/inspection.