



Village of Southampton
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DEPARTMENT OF FIRE PREVENTION
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Fire Marshal II

FIRE SPRINKLER SYSTEM INSTALLATION REQUIREMENTS

WORK SHALL NOT BE STARTED PRIOR TO RECEIPT OF PERMIT APPROVAL FROM THE FIRE MARSHAL.

Sprinkler installer **MUST** specify the **OCCUPANCY, TYPE OF CONSTRUCTION, and TYPE OF SPRINKLER SYSTEM (wet, dry, combination)** proposed. Installer must submit three (3) sets of stamped approved drawings and riser diagrams and three (3) sets of cut sheets with part numbers and installation instructions for **ALL DEVICES** being proposed. If multiple part numbers are present on the cut sheet, circle the proposed number to be installed.

PLANS, HYDRAULIC CALCULATIONS AND CUT SHEETS MUST BE SIGNED & STAMPED BY A NYS LICENSED ENGINEER.

PLANS SHALL BE DRAWN TO SCALE.

All plans shall include the statement: **“This installation and design is in accordance with the Building and Fire Code of New York State, NFPA 13 (2007) standards and manufactures specifications.”**

NOTE: *Use the correct reference standard in the above statement when applicable: NFPA 13, 13D or 13R.*

Drawings must include one plan page per floor showing: **PROVIDE DETAILED FLOOR PLAN OF ALL AREAS, PARTITIONS, FIREWALLS, and SPECIFICATIONS ON THE USE/OCCUPANCY OF EACH SPACE, INCLUDING ELEVATIONS.** (Include details on the type and quantity of combustible storage etc.) 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 22) all plans shall indicate the number of devices being installed.

A FLOW TEST OF THE WATER SUPPLY SYSTEM MUST BE PROVIDED FROM SCWA. **THE TEST MUST BE WITHIN (12) MONTHS OF THE PROPOSED INSTALLATION AND FROM A HYDRANT IN CLOSE PROXIMITY TO THE PREMISE. FOR HYDRAULIC CALCULATION THE DESIGNER *MUST USE THE HISTORIC LOW.***

Specifications shall be provided on pipe hangers, including a diagram of hanger assembly, spacing of hangers and method of attachment to the building. Provide details on seismic and sway bracing when applicable.

An outside water flow indicator shall be located in the vicinity of the Fire Department Connection. This device maybe either a water motor gong or electronic bell. The outside bell shall be painted red and have a sign installed in a clearly visible location below the bell stating “SPRINKLER WATER FLOW ALARM WHEN BELL RINGS CALL FIRE DEP’T” in two (2) inch red letters on a white background.

The size and quantity of the fire department connection 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 and standpipes within Southampton Village shall be of New York Corporation

All fire department connections shall be painted green or be brass or chrome and have approved protective caps and have a sign posted above the connection “Fire Department Connection” in 2 inch red letters on a white background.

Fire department connections **SHOULD NOT** be located if possible:

- Directly under or within ten (10) feet of any window.
- Within ten (10) feet of any door with less than a two hour fire rating.
- Within fifteen (15) feet of any electric or gas meters, natural gas or LPG pipe.
- More than fifty (50) feet from the street or primary fire department access lane.

- In any location that would be obstructed or otherwise prevent quick fire department connection with the appropriate fire hose.

For buildings with more than one fire department connection, each connection shall be clearly marked with a sign indicating exactly which portion of the building is protected by the sprinkler riser fed by that fire department connection. This sign shall be placed directly above the fire department connection.

Each sprinkler control room shall be clearly labeled with a sign reading "Fire Sprinkler Control Room" in 2" letters contrasting the background. Access to the room shall be provided to the Fire Chief in a method acceptable to the Fire Marshal. (Example: Knox Box.com)

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. Label the holding cabinet "Sprinkler heads/Wrench" along with the service companies emergency contact numbers.

In the sprinkler control room install some type of cabinet, capable of holding sprinkler documentation and inspection sheets. Holder shall be weather proof.

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 and made tamper proof with a method approved by the 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 pressure.**

The installing contractor shall identify a hydraulically designed sprinkler system with a permanently marked weatherproof sign as per NFPA 13 (2007) sec. 24.5

Once the fire sprinkler system is install it shall be maintained, tested and inspected as per **NFPA 13, NFPA 25, NFPA 14.**

Contact the Department of Fire Prevention (631)-283-0247 x152 to schedule an appointment for a final test/inspection. Final inspection will include a review of the plans and devices and a two (2) hour/200 psi test and inspector water flow test. Dry pipe systems will include a trip test of the dry pipe valve. **Upon completion of the fire sprinkler system a certificate of completion form from NFPA 13 (2007) sec.10.10.1 underground piping (when applicable) and 24.1 aboveground piping shall be completed and submitted to the Fire Marshal PRIOR to scheduling the onsite final inspection.**

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

The installing contractors shall conduct a pre-final test on all devices to insure everything is in proper working order prior to scheduling a final inspection with the Fire Marshal.

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