



Village of Southampton
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DEPARTMENT OF FIRE PREVENTION
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FIRE ALARM SYSTEM INSTALLATION REQUIREMENTS

- Plans **MUST** be signed & Stamped by a NYS Licensed Engineer or Architect.
- Submit three (3) sets of fire alarm drawings. Drawings must include the floor plan of ALL floors and areas inside the building footprint. Areas shall be labeled as to their intended use. Partition types and ratings shall be indicated on the fire alarm plans. The location of all devices shall be clearly indicated on the plans. The system designer shall be identified on the system design documents.
- Submit two (3) sets of cut sheets for every appliance, wire type, classification and devices to be installed including all part numbers. Should the cut sheet identify multiple part numbers, please identify which model and part number will be installed by highlighting or circling same. Devices shall be UL listed for commercial fire protection. Supply compatibility sheets where applicable.
- Submit two (3) sets of battery calculations for the fire alarm system that demonstrate compliance with NFPA 72: 2002
- All strobe notification devices shall be label as to the candela output and marked on the submitted drawings.
- Include a zone diagram on the drawings or submit two (3) copies. Addressable devices and systems shall be labeled as to its specific location or room.
- If more than 30% of an existing fire alarm system will be replaced, the renovation shall be subject to all requirements of a new installation.
- All plans are to include a statement indicating “This installation and design is in accordance with New York State Fire Code section 907, National Fire Protection Association (NFPA) 72: 2002 and manufactures specifications.”
- Plans shall be drawn to scale.
- A legend must be supplied on the drawing(s) showing the symbols for ALL devices including model, part numbers and manufacture to be installed.

Requirements:

- In new construction or where extensive electrical work is being performed, the fire alarm shall be connected to the line side of the main disconnect per NFPA 70:2005 230.82(5) and 230.94 Ex. 4. and have over current protection provided as described in NFPA 72 2002.
- Where the electrical service is pre-existing and no substantial electrical work is being performed, the fire alarm may be connected to a dedicated branch circuit

from the electrical service panel. Where sub panels are provided the fire alarm circuit must be connected to the main panel board. The fire alarm circuit **MAY NOT BE CONNECTED TO A SUBPANEL**. The circuit must be locked in the "ON" position by a padlock or approved equal. Setscrew type breaker locks are only acceptable when the panel board cover is locked and can completely close.

- The fire alarm circuit disconnecting means (as outlined above) shall be labeled as described in NFPA 72: 2002.
- All detectors shall be SMOKE DETECTORS per the Fire Code of New York State 907.2, except that heat detectors may be installed in spaces such as boiler rooms where products of combustion are produced in sufficient amounts to actuate a smoke detector.
- Duct smoke detectors are required on all installations per the Fire Code of New York State 907.12.
- Duct detectors shall be accompanied by a remote LED indicator and shall be located in a clear and visible location in the common path of travel.
- HVAC controls shall include a separate reset switch (either in or adjacent to the main fire control panel) to reset operations of the HVAC units independent from the fire alarm reset switch.
- The fire alarm control unit shall be protected by a smoke detector as mandated by NFPA 72: 2002. FYI do not place the FACP in mechanical rooms, etc.
- In all new installations of combination fire/burglary systems the display or annunciation of information for the fire alarm system shall be separate from and have priority over information for the non-fire alarm systems (NFPA 72: 2002.)
- The alarm annunciator shall be readily accessible to responding emergency personnel. Where possible, the annunciator shall be visible and readable from a window or door at a point to be visible from the street or primary fire department access. Where a stand-alone annunciator is available from the manufacturer, such annunciator shall be provided. If no stand-alone annunciator is available from the manufacturer for the FACP specified, a combination keypad/annunciator shall be red in color.
- Each FACP and annunciator shall be labeled "Do not reset fire alarm prior to the arrival and or approval of the Fire Chief - By order of the Southampton Village Fire Marshal"
- Alarm verification (pre-signal) features are prohibited unless requested and authorized in writing by the Department of Fire Prevention.
- The operation of an automatic fire suppression system (e.g. Ansul) shall cause an alarm signal at the FACP and shall be supervised (NFPA 72: 2002)

- Supervision of sprinkler valve position shall be separate from valve tamper supervision. Interconnection of other supervised systems (e.g. Ansul) with sprinkler supervision is prohibited. See NFPA 72: 2002.
- Sprinkler water flow and tamper switches shall be monitored and supervised. Water flow shall be on a separate zone and transmitted to central station as a FIRE signal. A tamper indication shall be transmitted to central station as a TROUBLE signal.
- Visible notification appliances shall be synchronous where more than one device is visible from any location (NFPA 72: 2002)
- A UL listed central stations shall monitor the fire alarm for fire, trouble, and 24-hour dialer test. Two phone lines shall be provided; the first line shall be dedicated for the sole use of the fire alarm, the second line may be shared (the fire alarm must be able to seize the line during an alarm). NOTE: The lines must be dedicated telephone lines and not a cable or on-line phone line. It shall comply with NFPA 72.
- An exterior horn strobe shall be mounted on the front of the building at a point to be visible from the street or primary fire department access. This device shall be in an approved exterior electrical box marked "FIRE". For multi-occupancy buildings, each tenant space shall have a separate outside strobe wired to indicate an alarm in that space (zone) only.
- Notification of FIRE signal shall be to the Southampton Fire Department's designee first at (631)-283-0056. Following Fire Department notification, the central station may call the premises for additional information and/or notify emergency contact list for premises.
- All fire alarm panels shall be clearly labeled showing zone descriptions and locations within building.
- All wiring shall be listed by Underwriters Laboratories or an equivalent testing agency (or equivalent) listed and approved for use with fire alarm systems.
- Occupancies for pre-school children, physically handicapped or elderly (NYS occupancy classifications Group E and Group I) shall be wired with CLASS A initiating circuits.
- For installations utilizing CLASS B initiating circuits, no more than 12 devices shall be on any one zone unless specifically requested and approved in writing by the Department of Fire Prevention. More than 12 devices shall be permitted if each device is addressable back to the control panel.
- The FACP shall be programmed with a code in order to reset the fire alarm one (1) for the owner and one (1) for the Fire Department. The Fire Marshal will supply the code for the Fire Department upon request and will be tested at the final inspection.

- Silencing the fire alarm shall only deactivate the horns, all strobes shall remain operational.
- Contact the Department of Fire Prevention at 204-2152 for specific requirements should a Voice Evacuation System be required for an occupancy.
- Upon completing the installation, the installer shall complete the fire alarm system "Record of Completion Form" offered in NFPA 72: 2002 and a completed copy shall be furnished to the Fire Marshal prior to the final inspection and witnessed acceptance test.