



**CITY OF WHITE PLAINS**  
**DEPARTMENT OF BUILDING**

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<http://www.ci.white-plains.ny.us/building/building.htm>

Print Form

**FIRE SUPPRESSION SYSTEM REQUIREMENTS:**

*The Plan Examiners' reserve the right to call for any other additional information at time of filing.*

**Fire Suppression System:**

1. Complete and file Building Short Form (Fire Suppression Permit Type) per General Filing Instructions.
2. Complete and file Building Short Form (Plumbing Permit Type) per General Filing Instructions.
3. Provide signed & sealed drawings (three sets) by a Design Professional for all new installations & alterations to existing Fire Suppression systems. Drawing shall provide all essential details of construction, equipment specifications, layout, etc.  
EXCEPTION: Minor Modifications to Suppression System do not require Signed & Sealed Drawings. e.g. Modifications limited to "arm overs" with no change to branch or main piping. ( Shop drawings prepared by the Contractor are acceptable)
4. Provide Mechanical Inspector, Plumbing Inspector & Fire Prevention Bureau with 48 hours notice for acceptance inspections and testing.
  - A. Provide two completed sets of the Contractor's Material and Test Certificate for Aboveground Piping at time of inspection.\*  
Note: Inspection and Acceptance Test will be cancelled if completed paperwork is not presented at time of Acceptance Test.
  - B. At least three people (associated with the Contractor) shall be present with two-way radios or portable phones.
  - C. Hydrostatic test of all piping for 200 psi for 2 hours is mandatory.
  - D. Dry Standpipes are required to have a 40 psi air test for 24 hours in addition to above Hydrostatic test requirement (4C).
  - E. Sufficient hose for G.P.M. to be flowed per N.F.P.A, NYS Fire Code, and White Plains Fire Code.
  - F. Flow Test Wet & Dry Standpipe:
    - Water supply to wet and dry standpipes under pressure shall be adequate to maintain a flow at the topmost and most remote hose outlet of 500 gallons per minute, and 250 G.P.M at each additional riser (where more than one standpipe is required).
    - There shall be a residual pressure of at least 65 psi at the highest outlet of each standpipe.
    - Flow testing is to be done with 1 1/8" smooth bore nozzles only.
  - G. Pressure gauge shall be inserted on top of standpipe.
  - H. Pitot readings required on each hose outlet with a Pitot gauge.
  - I. ALL EQUIPMENT, PIPING ETC. SHALL BE PRE-TESTED PRIOR TO CALLING FOR ACCEPTANCE INSPECTION.
5. Buildings with fire pumps are required to have the following during the Acceptance Inspection:
  - A. 750 gallon pump- three 2 1/2 inch" hose thread manifold.
  - B. 1000 gallon pump- four 2 1/2" hose thread manifold.
  - C. Approved N.F.P.A. method of testing of all fire pumps.
6. If test header is outside on ground level, then 100 psi is still required at the most remote outlet.
7. All piping penetrating masonry walls, floors, etc. must be properly sleeved, sized, supported and firestopped.
8. If a reducer is used on Sprinkler installations at point of tie-in for water supply, a pressure gauge is required before and after such reducer.

\*Note: A copy of the Contractor's Material and Test Certificate for Aboveground Piping is attached. The form is Figure 16.1 in the 2002 Edition of NFPA 13.