

REMINDER

Sprinklers and Standpipes: Construction Document + Shop Drawing Requirements

When installing sprinkler or standpipe systems, minimum requirements for construction documents and shop drawings are outlined in the NYC Building Code (**BC**) and National Fire Protection Association (**NFPA**) Codes and Standards.

Sprinkler System Installations

2008 **BC 903.1.2** lists the minimum requirements for sprinkler system construction documents – for all room/space occupancies and building types – to be submitted to the Department for plan examination and approval.

Sprinkler system installation, however, requires more comprehensive Working Plans. Depending on the room/space occupancy and building type, please see:

- 2002 **NFPA 13 Section 14.1**, as amended by **BC Appendix Q (Q102)**;
- 2002 **NFPA 13R Section 6.1**, as amended by **BC Q104**; or
- 2002 **NFPA 13D Chapter 8**, as amended by **BC Q103**, which outlines a detailed sprinkler design in lieu of Working Plans.

Before beginning any sprinkler system installation, a complete set of shop drawings (Working Plans in compliance with **NFPA 13**, **NFPA 13R** or a sprinkler design in compliance with **NFPA 13D**) – sealed by a registered design professional or stamped as approved by the applicant of record – must be on the job site for use by special inspectors (**BC Chapter 17**) and Department inspectors. These shop drawings must be available on-site until the job is signed off and, after sign-off, available upon request from the applicant of record for six years.

Standpipe System Installation

Standpipe system installations must follow a similar protocol. Submitted construction documents for plan examination and approval shall be in accordance with **BC 905.1.1**, while shop drawings (Working Plans in compliance with **2003 NFPA 14 Section 8.1**, as amended by **BC Q105**) – sealed by a registered design professional or stamped as approved by the applicant of record – must be maintained on the job site prior to the commencement of the standpipe system installation, and available to special inspectors and Department inspectors at all times.

If the constructed condition varies substantially from the approved construction documents, a PAA must be filed with the Department.