



TOWNSHIP OF BETHLEHEM

Office of the Fire Marshal

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AUTOMATIC SPRINKLER SYSTEM AND STANDPIPE SYSTEM PLAN SUBMISSION REQUIREMENTS

Automatic Fire Sprinkler and Standpipe system construction documents are reviewed by the Township Fire Marshal and shall be designed and installed in accordance with the following codes which are enforced in the Township of Bethlehem, Northampton County, PA.

- 2009 International Building Code
- 2009 International Fire Code
- NFPA 13, 2007 Edition
- NFPA 14, 2007 Edition

Complete Permit Application Submittal Requirements:

- **Two (2) sets of COMPLETE PLANS (see below requirements) shall be submitted to the FIRE MARSHAL'S Office**
- **Two (2) sets of Catalog cut sheets**
- **Two (2) sets of signed hydraulic calculations**

Construction documents for automatic fire sprinkler and standpipe systems shall be submitted for review and approval prior to system installation. Construction documents shall include, but not be limited to, all of the following:

A detailed submittal list can be found in Chapter 14 of NFPA 13, 2007 Edition.

- Plans shall be to scale and clearly show work to be done including a **detailed scope of work**.
- Plans shall show the job name and complete address (including suit number).
- The specific type and quantity of sprinklers shall be provided on every page.
- Catalog cut sheets for all equipment including sprinklers, valves, etc. shall be provided and highlighted.
- Fire hydrant flow test information must be dated and **less than 1 year old**.
- Hydraulic calculations must clearly show the friction loss for the backflow preventer and include a graph curve sheet.
- All hydraulic node points shall be clearly **shown on the drawings**.
- All ceiling information including soffits, heights, construction type, slope, etc. shall be shown and noted with cross section detailed on the plans.
- Specific storage information shall be provided for all design densities over an Ordinary Group II.
- Provide a scaled site plan clearly showing the building's fire department connection (FDC) and fire hydrant locations.
- Systems and their components shall be listed and approved for the purpose for which they are installed.
- **ALL** plans shall contain the original signature and / or seal of the design professional. No photocopies will be accepted.
 - **ALL** plans shall be signed and sealed by EITHER a **PA REGISTERED ENGINEER OR A DESIGN PROFESSIONAL THAT IS CERTIFIED TO A MINIMUM OF NICET LEVEL III. CONSTRUCTION DOCUMENTS SIGNED AND SEALED BY A NICET CERTIFIED PROFESSIONAL SHALL BE PROVIDED WITH A COPY OF THE CERTIFICATE.**

NO EXCEPTIONS

Questions: Contact the Fire Marshal, Angela Kelly at 610-814-6475.