

9.00: continued

Tier One, Construction Documents. Prior to issuance of a permit, construction documents for the fire protection system shall be submitted in accordance with section 107.1.2 and a permit obtained prior to the installation of fire protection systems or modifications, alterations, additions or deletions to an existing fire protection system. The construction documents shall contain sufficient information to completely describe each of the fire protection system(s) for which a permit is to be issued. The construction documents shall include the following:

- a. Each system shall be described in a narrative report, which contains:
 - i. design methodology for the protection of the occupancy and hazards in accordance with 780 CMR and applicable NFPA standards;
 - ii. sequence of operation of all fire protection systems and operations; and
 - iii. testing criteria to be used for final system acceptance.
 - b. Building and site access for fire-fighting or rescue vehicle(s) and personnel or both.
 - c. Fire hydrant(s) location and water supply information.
 - d. Type/description and design layout of the automatic sprinkler system(s).
 - e. Automatic sprinkler system(s) control equipment location.
 - f. Type/description and design layout of the automatic standpipe system(s).
 - g. Standpipe system hose valve(s) type and location.
 - h. Fire department connection type(s) and location.
 - i. Type/description and design layout of the fire protective signaling system(s).
 - l. Fire protective signaling system(s) control equipment and remote annunciator.
 - k. Type/description and design layout of the smoke control or exhaust system(s).
 - l. Smoke control or exhaust system(s) control equipment location.
 - m. Building life safety system features (auxiliary functions) required to be integrated as part of the fire protective signaling system(s).
 - n. Type/description and design layout of the fire extinguishing system(s).
 - o. Fire extinguishing system(s) control equipment location.
 - p. Fire protection system(s) equipment room location.
 - q. Fire protection system(s) equipment identification and operation signs.
 - r. Fire protection system(s) alarm/supervisory signal transmission method and location.
 - s. Fire command center location.
 - t. Type/description and location of any emergency alarm system.
 - u. Type/description and location of any alternative fire suppression system or protection.
 - v. Type/description and location of any carbon monoxide protection.
 - w. Emergency responder radio coverage type/location.
2. **Tier Two, Shop Drawings.** Prior to installation of fire protection systems, shop drawings, where applicable, shall be submitted in accordance with section 107.1.2 and shall contain, but not be limited to; detailed design layout, equipment specifications, system sequence of operation, and analysis to substantiate the design. Shop drawings shall note the name(s), license number(s) and license expiration date(s) of the contractor(s) installing the fire protection systems.

Exception: For shop drawings of Fire Alarm and Detection Systems, *see* section 907.1.2 for applicable requirements.

3. **Tier Three, Record Drawings.** As built plans shall be provided to the owner for all fire protection and life safety systems that are sealed as reviewed and approved by the registered design professional or legally recognized professional performing construction control. Where changes to original shop drawings are minor, a list of as-built changes shall be permitted to be submitted where sealed and reviewed and approved by the registered design professional or legally recognized professional performing construction control in accordance with 780 CMR 1.00: *Scope and Administration (Unique to Massachusetts)*.