

## 780 CMR: MASSACHUSETTS AMENDMENTS TO THE INTERNATIONAL BUILDING CODE

107.1.2 Fire Department Review. For permits that include work under Chapters 4 or 9, or 34, construction documents shall be filed simultaneously with the head of the local fire department and building official for review and approval. The fire department shall complete its review within 10-working days after receiving the documents. Upon the fire department's request, the building official may grant one or more extensions up to a total review period maximum of 30-days. If the fire department review is not received within the allowed time frame the building official may upon review deem the documents in compliance with Chapters 4 or 9, or 34. If the head of the local fire department disapproves such construction documents, he or she shall notify the building official (refer to M.G.L. c. 148, § 28A) in writing citing relevant sections of noncompliance with this code or the section of the referenced standards of Chapter 35.

**NOTE:** The Fire Department review and approval is for work involving 780 CMR Chapter 4 (Special Detailed Requirements Based on Use and Occupancy), Chapter 9 (Fire Protection Systems) and /or Chapter 34 (Existing Structures).

**901.2.1 Document Submittal Process.** This process includes three tiers of the minimum document submittal requirements. This process does not preclude the permit applicant from submitting additional documents; for example shop drawings along with the *construction documents* at time of permit application.

**1. Tier One, Construction Documents** - Prior to issuance of a building permit, *construction documents* for the fire protection system must be submitted in accordance with section 107.1.2 and a building 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:

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- i. design methodology for the protection of the occupancy and hazards in accordance with this code and applicable NFPA Standards and,
  - 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 and/or rescue vehicle(s) and personnel.
  - 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 siamese connection type(s) and location.
  - i. Type/description and design layout of the fire protective signaling system(s).
  - j. Fire protective signaling system(s) control equipment and remote annunciator location.
  - 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.
- e. 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.

**2. Tier Two, Shop Drawings** - Prior to installation of fire protection systems, shop drawings, where applicable, shall be submitted to the *building official* and fire official 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 building 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.

**901.5 Acceptance Tests.** *Fire protection systems* shall be tested in accordance with the requirements of this code and NFPA Standards and approved testing criteria and operational sequence as submitted in section 901.2.1, Tier One, Item a. When required, the tests shall be conducted in the presence of the *building official* and/or fire official or an approved third party inspection agent.

**901.5.1 Certificate of Occupancy.** Prior to the issuance of a Certificate of Occupancy and prior to witness of acceptance testing the following documents must be submitted to the building and

fire officials, or designees.

1. Certification from the *registered design professional*, or other legally recognized professional, responsible for the *construction documents* per section 107.6, stating that the *fire protection systems* have been installed in accordance with applicable codes and standards, in accordance with the approved *construction documents* and that the record drawings indicate any deviations, if any.
2. Confirmation by the building owner or the owner's authorized representative that they have received the as-built record drawings.
3. Material, Test, Performance, and Completion Certificates, properly executed by the installing contractor in accordance with the applicable NFPA standards.