

IFC 2006
Code Amendments
Fire Protection

Fire Sprinkler

Section 903.4.2 is amended to read as follows:

Section 903.4.2 Alarms. Approved audible devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building in an approved location. Actuation of the automatic sprinkler system shall actuate the building fire alarm system. Actuation of the building fire alarm system shall meet the requirements of 903.4.1 and provide occupant notification in accordance with section 907.10 in all areas under the protection of the automatic sprinkler system.

Fire Alarm

Sections 907.2 and 907.2.12.1 are amended, and Sections 907.3.1.9, 907.3.1.9.1 and 907.3.1.9.2 are added, to read as follows:

907.2 Where required—new buildings and structures. An approved manual, automatic or manual and automatic fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and provide occupant notification in accordance with Section 907.10, unless other requirements are provided by another section of this code. Where automatic sprinkler protection installed in accordance with section 903.3.1.1 or 903.3.1.2 is provided and connected to the building fire alarm system, automatic heat detection required by this section shall not be required.

The automatic fire detectors shall be smoke detectors. Where ambient conditions prohibit installation of automatic smoke detection, other automatic fire detection shall be allowed.

All manual, automatic or manual and automatic fire alarm systems shall also include smoke detectors in each mechanical equipment, electrical, transformer, telephone equipment, corridors, lobbies, storage rooms larger than 200 square feet, levator machine rooms, and in elevator lobbies.

907.2.12.1 Automatic fire detection. Smoke detectors shall be provided in accordance with this section. Smoke detectors shall be connected to an automatic fire alarm system. The activation of any detector required by this section shall operate the emergency voice/alarm communication system. Smoke detectors shall be located as follows:

1. In each mechanical equipment, electrical, transformer, telephone equipment or similar room which is not provided with sprinkler protection, corridors, lobbies, storage rooms larger than 200 square feet, elevator machine rooms, and in elevator lobbies.

907.3.1.9 Group A. A manual fire alarm system shall be installed in accordance with NFPA 72 in Group A occupancies having an occupant load of 300 or more. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

Exception: Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will activate upon sprinkler water flow.

907.3.1.9.1 System initiation in Group A occupancies with an occupant load of 1,000 or more.

Activation of the fire alarm in Group A occupancies with an occupant load of 1,000 or more shall initiate a signal using an emergency voice/alarm communications system in accordance with NFPA 72.

Exception: Where approved, the prerecorded announcement is allowed to be manually deactivated for a period of time, not to exceed 3 minutes, for the sole purpose of allowing a live voice announcement from an approved, constantly attended location.

907.3.1.9.2 Emergency power. Emergency voice/alarm communications systems shall be provided with an approved emergency power source.