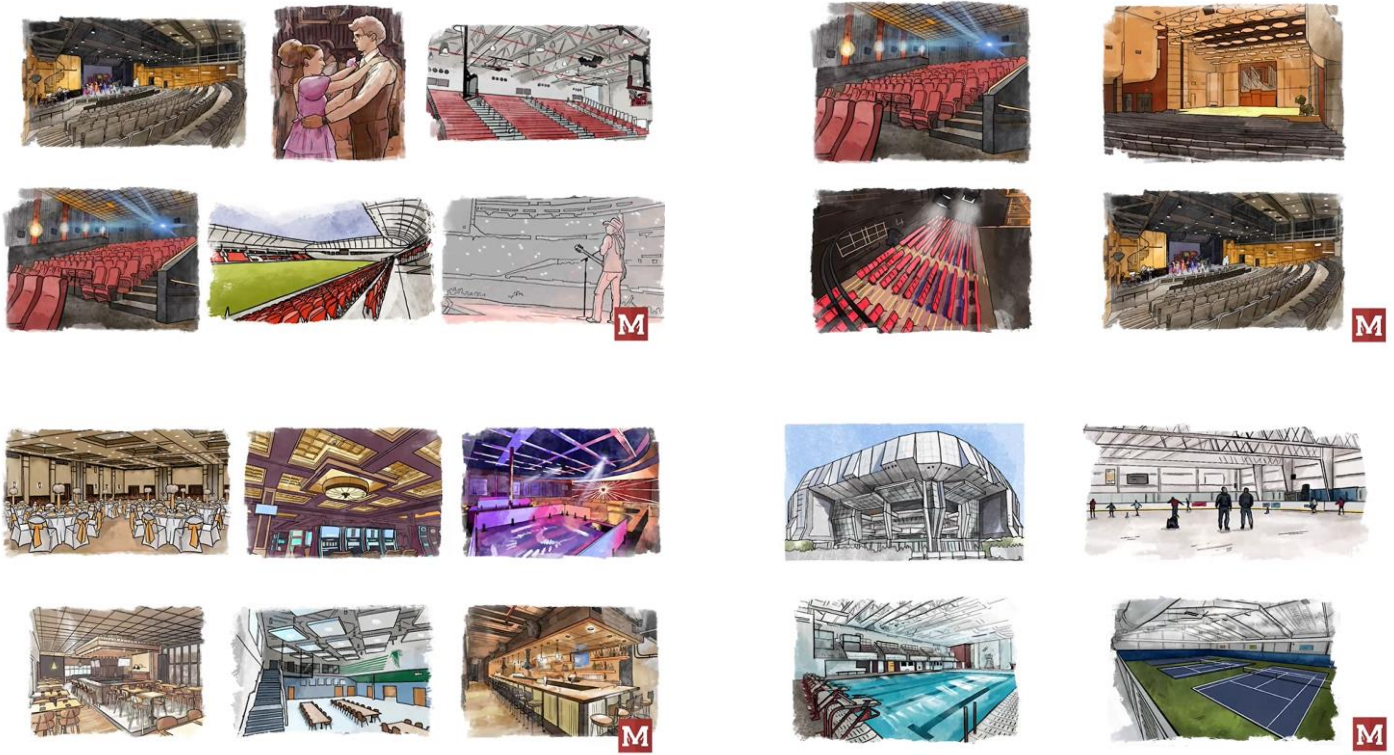


# FIRE ALARM REQUIREMENTS FOR ASSEMBLY OCCUPANCIES



## NOTES

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2021 International Building Code (IBC) - Fire Alarm and Detection Systems

The manual fire alarm box is not required for Group B-2 occupancies unless required by the Fire code official to provide a means for the watch personnel to initiate an alarm during a sprinkler system impairment event. Where provided, the manual fire alarm box shall not be located in an area that is open to the public.

**§107.2.1 Group A.**  
 A manual fire alarm system that activates the occupant notification system in accordance with Section 907.1 shall be installed in Group A occupancies when the occupant load for the assembly occupancy is 100 or more, or when the Group A occupant seats more than 100 persons above or below the lowest level of exit discharge. Group A occupancies not separated from one another in accordance with Section 707.3.10 shall be considered as a single occupancy for the purposes of applying the section. Portions of Group B occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group B occupancy.  
**Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 and the occupant notification apparatus will activate throughout the notification zones upon system water flow.

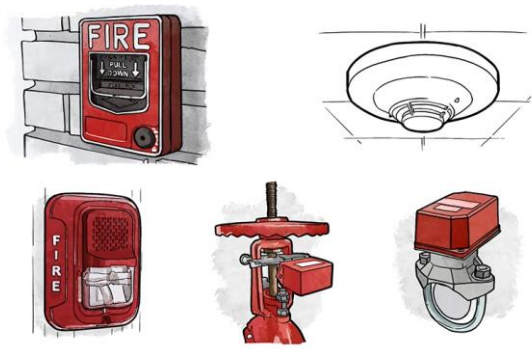
**§107.2.1.1 System installation in Group A occupancies with an occupant load of 1,000 or more.**  
 Activation of the fire alarm in Group A occupancies with an occupant load of 1,000 or more shall include a signal using an emergency voice alarm communication system in accordance with Section 907.3.2.2.  
**Exception:** Where appropriate, the prearranged announcement is allowed to be manually deactivated for a period of time, not to exceed 3 minutes, for the sole purpose of allowing a fire watch announcement from an approved assembly identified location.

**§107.2.1.2 Emergency voice alarm communication systems.**  
 Stadiums, arenas and grandstands required to contain audible public announcements shall be in accordance with Section 907.3.2.2.4.

**§107.2.2 Group B.**  
**Exception:** For alarm systems, which activate the occupant notification system in accordance with Section 907.1, shall be installed in Group B occupancies where one of the following conditions exists:  
 1. The combined Group B occupant load of all floors is 500 or more.  
 2. The Group B occupant load is more than 100 persons above or below the lowest level of exit discharge.  
 3. The fire is contained in an assembly area facility.  
**Exception:** Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 and the occupant notification apparatus will activate throughout the notification zones upon system water flow.

**§107.2.3 Assembly care facilities.**  
 Fire areas containing assembly care facilities shall be provided with an electronically supervised automatic smoke detection system installed within the assembly care facility and in public use areas outside of tenant spaces, including public corridors and elevator shafts.  
**Exception:** Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, provided that the occupant notification apparatus will activate throughout the notification zones upon system water flow.

**§107.2.5 Group E.**  
 A manual fire alarm system that initiates the occupant notification signal through an emergency voice alarm communication system meeting the requirements of Section 907.3.2.2 and installed in accordance with Section 907.2.1 shall be installed in Group E occupancies. Where automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.



## NOTES

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