



Southaven Fire Department

Fire Marshal's Office

8710 Northwest Drive

Southaven Mississippi 38671

Phone: 662-393-7466

Fax: 662-280-6521

FIRE ALARM PLAN REVIEW CHECK LIST

2012 International Fire Code Section 907.1.1

Construction Documents.

Construction documents for fire alarm 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:

- 1. A floor plan which indicates the use of all rooms.**
- 2. Locations of alarm-initiating and notification appliances.**
- 3. Alarm control and trouble signaling equipment.**
- 4. Annunciation.**
- 5. Power connection.**
- 6. Battery calculations.**
- 7. Conductor type and sizes.**
- 8. Voltage drop calculations.**
- 9. Manufacturers, model numbers and listing information for equipment, devices and materials.**
- 10. Details of ceiling height and construction.**
- 11. The interface of fire safety control functions.**

Fire alarms must be provided with a means of silencing and resetting without entering a code. This must be provided for firefighters, as it is unlikely that they will have access to the codes. A keyed remote annunciator is acceptable. Keys for all annunciators and the fire panel must be provided inside the Knox Box for the location.

Fire alarms that have individually addressable initiating devices must report to the central monitoring station in that manor. It will not be acceptable to report general alarm conditions. The Southaven Dispatcher must be provided with the address of the initiated device upon notification from the central monitoring station.

This list is not to be considered all inclusive. All requirements of applicable NFPA standards and local, state, and federal requirements shall be complied with. This is a guide referenced from NFPA 13 for minimum submittal information

IFC 901.4 Installations.

Fire protection systems shall be maintained in accordance with the original installation standards for that system. Required systems shall be extended, altered, or augmented as necessary to maintain and continue protection whenever the building is altered, remodeled or added to. Alterations to fire protection systems shall be done in accordance with applicable standards.

IFC 907.3 Where required – retroactive in existing buildings and structures.

This section shall apply to occupancy groups as listed within that section.

The following shall aid in determining when a fire alarm system shall be replaced with one that complies with current codes and standards.

- 1) When an existing, non-conforming fire alarm panel is no longer functional, the entire system must be replaced with one that complies with current codes and standards. Installation must comply with the **International Fire Code** and **NFPA 72**. A permit and plan review is required.
- 2) When a code compliant system has parts or a panel is no longer functional, the panel can be replaced with one that is listed to work with all the devices installed. Installation must comply with the **International Fire Code** and **NFPA 72**. A permit and plan review is required.
- 3) If an existing non-conforming fire alarm is expanded by adding devices. All components must be listed to operate as a system. The fire alarm is allowed to remain until such time as parts are not available or repairs can not be accomplished. When that occurs, the entire system must be replaced with one that complies with current codes and standards. Installation must comply with the **International Fire Code** and **NFPA 72**.
- 4) When there is an expansion or addition to a building or a separate building where two panels will be interconnected, the following shall apply. If the existing panel is non-conforming and the new equipment is not compatible, the entire fire alarm system must be replaced with one that complies with current codes and standards. Installation must comply with the **International Fire Code** and **NFPA 72**.
- 5) **All devices or parts added to any fire alarm system shall be listed for that panel and must be compatible.** If there are any issues that could prevent the system from operating properly, then the proper repairs must be made or the entire system replaced if it can not be repaired. The Southaven Fire Prevention Bureau must be notified prior to any work on any fire alarm system except for

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emergency repairs. Notification, required permits, and submittals must be provided the next working day when emergencies occur. **The Southaven Fire Dispatch Center should be notified prior to taking any fire alarm out of service for any reason and notified when it is restored.**

6) **NFPA 72 1.4.2**

In those cases where it is determined by the authority having jurisdiction that the existing situation involves a distinct hazard to life or property, retroactive application of the provisions of this document shall be permitted.

When fire alarm systems must comply with current codes and standards the entire installation must be in compliance with current codes and standards.

For Example: It will not be acceptable to merely replace all devices with code compliant ones and not provide the required coverage if the previous system did not.

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