



City of Kingman
Fire Prevention Division, Kingman Fire Department
International Fire Code (IFC) 2006, KFD-9

COMMERCIAL FIRE ALARM SYSTEM CHECKLIST

1. Verify construction documents for fire alarm systems including, but not limited to, all of the following per **IFC 907.1.1**.
 - A floor plan indicating the use of all rooms
 - Locations of alarm-initiating and notification appliances
 - Alarm control and trouble signaling equipment
 - Annunciation
 - Power connections
 - Battery calculations
 - Conductor type and sizes
 - Voltage drop calculations
 - Manufacturers, model numbers and listing information for equipment, devices and materials
 - Details of ceiling height and construction
 - The interface of fire safety control functions
2. Verify manual, automatic or manual and automatic fire alarm system based on occupant load and occupancy group as required per **IFC 907.2 and 907.3**.
3. Verify distinctive audible temporal (T-3) in accordance with NFPA 72 4.4.3.6.1 or voice evacuation in accordance with NFPA 72 6.9 based on occupant load and occupancy group as required per **IFC 907.2 AND 907.3**.
4. Verify a separate zone for each floor and limit each zone to not more than 22,500 square feet and not more than 300 feet in any direction. (**IFC 907.9**)
5. Verify visual alarm notification locations in accordance with **IFC 907.10.2 AND NFPA 72 7.4**.
6. Verify visual alarm notification mounting heights such that entire lens is not less than 80" and not greater than 96" above the finished floor or at a performance based alternative. (**NFPA 727.5.4.1, IFC 907.2 AND 907.3**)
7. Verify audible alarm notification locations in accordance with **IFC 907.10.2 AND NFPA 72 7.4**.
8. Verify connections to duct smoke detectors and visible and audible alarm signal at a constantly attended location. (**IFC 907.12**)
9. Verify interconnection between fire alarm system and all automatic fire-extinguishing systems (**IFC 907.14**)
10. Verify fire alarm system monitoring by an approved supervising station in accordance with NFPA 72. (**IFC 907.15**)
11. Verify sequence of operations for fire alarm system input/output. (**NFPA 72 4.5.1.1, IFC907.2 and 907.3**)
12. Verify initiating device (smoke and heat detector) locations in accordance with **NFPA 72 5.5, 5.6, 5.7. (IFC 907.2 and 907.3)**
13. Verify smoke detector for control of smoke in accordance with NFPA 72 5. 16. (**IFC 907.2 and 907.3**)
14. Verify elevator recall functions per NFPA 72 6.16.3 AND NFPA 72.6.16.4. (**IFC 907.2 AND 907.3**)
15. Verify HVAC system interconnection in accordance with NFPA 72 6. 16.5. (**IFC 907.2 AND 907.3**)
16. Verify door controls (release and unlocking) in accordance with NFPA 6.16.6 AND 6.6.17. (**IFC 907.2 AND 907.3**)