



Fire Alarm Plans and Installation Requirements

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The following information is for the purposes of installing any required fire alarm system within the City of Midland. This is not intended to be the only requirements as many codes and regulations apply. The Midland Fire Department is currently operating under the 2003 edition of the International Fire Code. Fire Alarm systems are to be installed per the fire code, the International Building Code 2003 edition, and all NFPA standards that apply. The following items need to be addressed in obtaining a system approval:

- Fire alarm plans shall be submitted for review and by the Midland Fire Marshal's office **prior** to installation of any component of the system. Two sets of plans need to be submitted and shall include information regarding the system, including specifications, wiring diagrams, battery calculations, floor plans, and locations of all devices.
- Visual inspection shall be made to ensure that there are no changes that affect equipment performance.
- Acceptance testing shall include functionality test of all initiating and notification devices and a 24-hour battery test to ensure battery capability.
- During acceptance test all smoke sensing devices shall be tested using smoke **only**.
- Required duct detectors shall initiate HVAC shutdown upon activation and indicate a supervisory signal at the fire alarm panel.
- Buildings equipped with a fire sprinkler system shall have an audible warning device indicating water flow, and shall be installed above the fire department connection and supervised by the fire alarm system.
- Acceptance testing shall be arranged 24 hours in advance through the Fire Marshal's Office. No testing will be scheduled after 2 p.m.
- The entire fire alarm shall be tested at the completion of the system.
- Any permits required will be obtained through the building department.

A rapid entry Knox box is required for buildings protected by a monitored fire alarm system. Contact our office for further information regarding installation.

Plans Review Comment Sheet

Plans Submitted By:

Project Name & Address:

Comments:

Review By: _____ Date: _____