



Fire Alarm System Installation Specifications

Installation of a Fire Alarm System shall meet the requirements of 2021 International Fire Code NFPA 72, 2021 International Fire Code and the NTCOG Amendments to the 2021 IFC. These comments are available on the NCTCOG website by searching 2021 IFC Amendments.

Permits

The company awarded contract shall submit one (1) hardcopy of a complete set of plans for permitting. The approved electronic copy of the plans will be the set that the system is built off of and will be required to be on the job site. There is sometimes important information written on the plans that the installer needs to know about. Failure to give these plans to the installer will create delays in getting the system in and approved. A copy of the permits shall also be on the location.

Inspections

Upon completion of the system all components must be tested and witnessed by the Fire Marshal.

- **Request for Inspection and testing must be submitted via [OpenGov](#) at least 24 hours in advance.**

Plans

All plans must be in detail along with equipment submittals. The plans shall show a legend of devices. The circuits shall be labeled according to what they are.

There shall be a map done prior to the final test and inspection of systems. A map maybe required if the panel is addressable and requires specific names marking areas or access doors that may be different than common interpretation. (i.e. Johns office, dog run door)

Programming

Password to be written in panel. No programming g of password to go into program mode. Annunciator panels shall have only one means of enabling the panel, key only.

Wiring

All wiring shall be protected - Wire passing through metal boxes shall have rubber or plastic grommets placed in the hole. This also covers the alarm panel, power supplies etc.

All wire at the Fire Sprinkler Risers shall have seal tight conduit. If not in the alarm company scope of work, it is up to the alarm company to communicate with electrical contractor to have correct conduit in place.

Devices-All devices shall be labeled with address number on the exterior of the device.

All strobes shall continue to flash when system is silenced. Even though the NFPA has changed this, it is the opinion of the AHJ that this gives false information to the occupants of the building by giving an all-clear signal when the alarm stops.

Any changes to a plan that has been submitted and approved by the AHJ, shall be approved by the AHJ prior to the change being done. NO EXCEPTIONS.