

# Fire Alarm system Installation Specifications

Installation of a Fire Alarm system shall meet the requirements of 2012 International Fire Code NFPA 72, 2012 International Fire Code and the NCTCOG Amendments to the 2012 IFC. These comments are available on the NCTCOG website by searching 2012 IFC amendments.

## Permits

The company awarded contract shall submit 4 sets of plans for review. One set of 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 permit shall also be on the location.

## Inspections

Call for inspections with at least twenty four hours notice of needing the inspection. Have permit number or address when calling for an inspection for proper documentation of the inspection. Call 817-573-2648 for the Fire Inspector.

## 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. (Example for zone panels each zone shall be shown on the wiring diagram)

There shall be a zone map done prior to the final test and inspection of systems with zones. 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. (ie Johns office, dog run door)

Programing- In the programing of the alarms there **shall not be any password** to put system on test. This creates problems for many people that may have a contract to add to the system or a change in owners. The alarm will not be

accepted with a password to be placed on test. **If required the password shall be written in the panel.**

Annunciator panels- 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 ACCEPTIONS.