

City of Granbury

City Fire Inspections

Specification #001

Protection of Commercial Cooking Operations

Requirements

Plans shall be submitted and approved prior to the installation of wet chemical fire protection systems for commercial cooking operations. These systems shall be installed in compliance with National Fire Protection Association (NFPA) standards, manufactures specifications, City of Granbury & code requirements, as well as the State of Texas, Underwriters Laboratories Standard 300 (UL300).

1. Permits

Prior to the installation of the Fire Protection System, plan approval and permits shall be obtained from the Fire Marshal at the City of Granbury Building Inspection Department.

2. Submittal

2.1 Submittal to the Fire Marshal's office shall include the following:

- Submit a minimum of three (3) complete sets of plans for permitting, which includes technical manuals. Plans shall be scaled, clear, precise, legible, and qualify for scanning and archival retention.
- Complete and submit a City of Granbury Permit Application with the plans. Along with a copy of Insurance and State License. Forms can be found on www.granbury.org or at Granbury City Hall

Granbury City Hall
116 West Bridge Street
Granbury, Texas 76048
817-573-1114

- Provide the Contractor's License Number, which includes expiration date and signature of the Contractor.

3. Testing

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

- **Request for Inspection and testing must be made at least 24 hours in advance.**
- Test will include cutting of thermal link or S-hook to demonstrate the thermal link activation.
- Pressurizing system with air or nitrogen to show that all nozzles are flowing.
- Disconnect all electrical under hood including any cooking equipment, lights and make up air.
- Fuel Gas shut down

Specifications for the Installation of Fire Sprinkler Systems

Requirements

Four (4) sets of plans shall be submitted and approved prior to the installation of wet pipe, dry pipe, sprinklers or dry or wet pipe standpipes. These systems shall be installed to 2018 IFC with NCTGOG amendments, National Fire Protection (NFPA) Standards, Manufacturer's specifications.

1. Permits

Prior to the installation of the Fire Protection System, plan approval and permits shall be obtained from the Fire Marshal's Office.

2. Submittal

2.1 Submittals to the Fire Marshal shall include the following.

- Submit a minimum of 4 complete sets of plans for permitting, which includes technical data. Plans shall be scaled, clear, precise, legible and of quality for scanning and archival retention.
- Plans shall have complete address of the project.
- Flow calculations of the Water System that the system will be connected to and the date of the Flow Test.
- Contact Information.
- Product that will be used (Steel pipe or CPVC)
- Type of sprinkler heads and quantity of each head used.
- Complete and submit a City of Granbury permit application. Forms can be obtained at www.granbury.org or at Granbury City Hall.
- Provide a copy of the Contractor's License and a Certificate of Insurance listing the City of Granbury as the Certificate Holder.
- The pipe for the Fire Department Connections should be painted red and be labeled FDC.
- Wall mount Fire Department Connections must be approved by the Fire Marshal. These are only approved when room is not available or other conditions create a problem of vault FDC's.
- All lines must be bedded in sand min. 6"
- Cover with sand 12" & place water line tape before backfilling line. Tracer wire shall be HS-CCS HDPE 30 mil or pre-approved equal.
- All NFPA standards shall be met.
- Hydrostatic test must be completed after visual inspection.
- Inspection of the pipe shall be done before they are cover.
- All ductile iron connections shall be covered with tube plastic.

Fire Alarm System Installation Specifications

Installation of a Fire Alarm System shall meet the requirements of 2018 International Fire Code NFPA 72, 2018 International Fire Code and the NTCOG Amendments to the 2018 IFC. These comments are available on the NCTCOG website by searching 2018 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 permits shall also be on the location.

Inspections

Call for inspections with at least twenty-four hours (24) notice of needing the inspection. Have permit number and address when requesting the inspection. Inspections may be requested by emailing inspections@granbury.org or by calling 682-205-1621.

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.