

**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 City of Granbury Building Inspection Department.

**2. Submittal**

2.1 Submittal to the Fire Inspections 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](http://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 Inspector.

- **Request for Inspection and testing must be made at least 24 hours in advance.**
- Test will include cutting of thermal link or 5-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 2015 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 Building Inspections Department.

#### 2. Submittal

2.1 Submittals to the Fire Inspector 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](http://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.

### Underground Construction

- See City of Granbury Specifications at [www.granbury.org](http://www.granbury.org)
- Fire Department Connections shall be painted red in color.
- Wall mount Fire Department Connections must be approved by the Fire Inspector. These are only approved when room is not available or other conditions create a problem of free standing FDC's & vaults.
- All lines shall be bedded in cushion sand.
- All NFPA standards shall be met.
- 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 NFPA 72 and ADA Standards

### **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](mailto: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. (Example: For zone panel each zone shall be shown on the wiring diagram)

## City of Granbury Fire Lane Standards

### Fire Lane Markings

Fire Lanes shall be marked on the curb face when at all possible and transition to the flat part when broken. The marking shall consist of a six (6) inch red stripe with the words FIRE LANE NO PARKING TOW-AWAY-ZONE in white four (4) inch letters. The labels shall be placed every twenty-five (25) feet. THERE SHALL BE APPROXAMETLY TWO (2) INCHES BETWEEN FIRE LANE AND NO PARKING AND TOW-AWAY-ZONE. The curb shall be painted when applicable. All markings shall be approved by the City of Granbury Fire Inspector.

**FIRE LANE NO PARKING TOW-AWAY-ZONE**

Fire cones shall be Engineered to withstand load of 80,000 lbs. (IFC Section 503.2.3 with COG Amendments)

Fire Lane Radius to be 28" Typical, minimum Fire Lane width is 24 feet. (503.2.1 with COG Amendments)