

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, manufacturer specifications, City of Granbury Fire Inspections and Building Departments and Municipal Code requirements, and 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 Inspections 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 of quality for scanning and archival retention.
- Complete and submit City of Granbury Fire Inspections 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 St.
Granbury, Texas 76048
817-573-2648 Ext. 1110

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 S- hook to demonstrate the thermal link activation.
- Pressurizing system with air or nitrogen to show that all nozzles are flowing.
- Shunt trip of all electrical under hood including any cooking equipment, lights and make up air. Contractors are not accepted.

Specifications for the installation of Fire Sprinkler Systems

Reference to UFC Section 1001.3

Requirements

Plans – 4 sets of plans shall be submitted and approved prior to the installation of wet pipe, dry pipe, sprinklers or dry or wet pipe stand pipes. These systems shall be installed to UFC 1997 with NCTCOG amendments, National Fire Protection (NFPA) Standards, Manufacturer's specifications, City of Granbury Municipal Code Requirements.

1. Permits

Prior to the installation of the fire protection system, plan approval and permits shall be obtained from the Fire Inspectors office.

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.
- 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 through the City of Granbury website or at the City Hall.

City of Granbury
116 West Bridge Street
Granbury, Texas 76048
(817) 573-1114
www.granbury.org

- Provide a copy of the contractor's license and insurance certificate.

Underground Construction

- Fire Department Connection lines – Free standing Fire Department Connections are required. All underground piping shall have a tracer wire

placed on the pipe and come up on each end. The FDC connection will be determined on the flow requirement of the building.

- The pipe on free standing Fire Department Connections shall be painted red in color and have a two feet by two feet by four inch concrete pad poured at the base.
- 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.
- All lines shall be bedded in sand.
- All NFPA standards shall be met.
- Hydrostatic test must be completed after visual inspection.

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 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 or 817-573-9692 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)

City of Granbury Fire Lane Standards

Concrete – Fire Lanes poured with concrete shall have minimum of 6 inches of concrete at 3500 pounds per square inch rating. Rebar shall be # 3 on 18 inch centers tied. Three (3) inch chairs placed every (3) feet in both directions. Cedar expansion joints shall be used when connecting to an approach where the approach will need to meet City of Granbury specs or if on a highway must meet TXDOT requirements.

Pouring of fire lanes – Inspections are required on the rebar and chairs; If the concrete is being tailgated **backing over rebar is not accepted**. The rebar shall be placed in sections with chairs placed according to specifications above and photos taken if Inspector is not present. Use a quality chair to prevent bending and breaking. Concrete bricks are accepted in place of chairs but will still be required to meet the 3x3 specifications.

Fiber mesh or partial steel reinforced concrete is acceptable.

Asphalt – Asphalt shall be placed with at least 6 inches of compacted base, compacted at 95% with a minimum of two inches of asphalt cover.

Interior fire lane radius 20 foot.

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 feet. THERE SHALL BE APPROX AMENTLY TWO 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