



## Specifications for the Installation of Fire Sprinkler Systems

### Requirements

One (1) 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 2021 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. You may apply for a permit via [OpenGov](#) Plans must be uploaded in a PDF format.

#### 2. Submittal

Submittals to the Fire Marshal shall include the following:

- **Submit one (1) hardcopy** of a complete set 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. Permits can be obtained via [OpenGov](#) .
- 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.

#### 3. 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.**