



# City of Grand Prairie Fire Department Code Regulations

## Basic Construction Requirements

### Address

1. Marked according to the requirements of the Fire Code. Be cognizant of future growth of landscaping obstructing view of the building's address.
  - Visible from the street
  - Minimum of six (6) inches high, or a sign placed
  - Must be visible during construction, using temporary sign if necessary
2. Suite numbers
  - Clearly visible
  - Four (4) inches high, on or above the main door
  - Posted on all additional doors, specifically those in the rear
  - Apartments must have the building number and apartment numbers of the units within it visibly posted

### Fire Hydrants

1. Single-Family Residential and Townhomes
  - Spaced at eight hundred- (800) foot intervals
  - No portion of any building more than five hundred (500) feet from a hydrant, increased to one thousand (1,000) feet if all structures within the development are protected by appropriately-designed automatic sprinkler system
2. Commercial and Multi-Family Developments
  - Spaced at three hundred- (300) foot intervals
  - No portion of any building shall be more than four hundred (400) feet from a fire hydrant, as measured by fire apparatus laying hose along streets or fire lanes.
  - Increased to six hundred (600) feet of the building is protected by an automatic sprinkler system
  - A fire hydrant shall be located within one hundred (100) feet of fire department hose connections (FDC) for the fire sprinkler and/or standpipe system(s).
3. Fire hydrants must be approved by the fire department and shall be in-service prior to construction proceeding beyond the foundation.

### Fire Apparatus Access Roads (public streets or fire lanes)

1. Provided around any building when any portion of the exterior wall is located more than one hundred fifty (150) feet from a public or private street.
2. This distance can be increased for sprinkler-protected buildings.
3. Fire lanes must be approved by the Fire Department and shall be in-service prior to construction proceeding beyond the foundation.

### Gates

1. Power-operated gates across fire apparatus access roads

- Opticom-compatible sensor opener on the main gate
  - Knox® key switch
  - Manual disconnect
  - Opener listed in accordance with UL325
  - Designed, constructed, and installed in accordance with ASTM F 2200
2. Manual, non-power-operated gate across fire apparatus access roads
- Exterior-rated Knox® padlock
  - Interlocked padlock belonging to the owner/operator for routine use

Provide a Knox® key box for building access in any building equipped with an a fire protection system.

Knox® products can be ordered online at <http://www.knoxbox.com>.

Fire department access, safety, and the removal of combustible waste during construction, alteration, or demolition of a building shall conform to the requirements set forth in the Fire Code.

#### Portable fire extinguishers

- One (1) minimum 2A:10B:C-rated extinguisher is required for every 3,000 square feet of floor area
- Permanently mounted in a visible and accessible location, between 4 and 48 inches above finished floor, unless alternative approval has been granted
- Arranged such that no part of the building is more than 75 feet of travel distance to an extinguisher

Installation of fire protection systems including fire alarm, sprinkler, and fire-extinguishing systems shall conform to the requirements set forth in IFC Chapter 9 and the applicable referenced design standard(s).

An approved automatic fire-extinguishing system shall be provided for the protection of commercial cooking equipment requiring Type I exhaust hoods conforming to IFC Chapter 9 and the applicable referenced design standard(s). Type II hoods do not require a fire-extinguishing system.

Buildings or portions of buildings containing high-piled combustible storage shall conform to the requirements set forth in IFC Chapter 32. These buildings must be equipped with a fire sprinkler system with sufficient capability to suppress a fire in the storage array, compliant with NFPA 13 *Standard for the Installation of Sprinkler Systems* or alternative design criteria as permitted by that standard.

Review and approval of plans or specifications and subsequent issuance of a permit shall not be construed to sanction any violation of any code or standard.

All work is subject to field inspectors' approval.