



**D R C REQUIREMENTS
CITY OF DELTONA FIRE DEPARTMENT
FIRE LOSS MANAGEMENT DIVISION**

1685 Providence Blvd. Deltona, Fl. 32725

Plans Review: (386) 575-6921/ FAX (386) 860-7191



The following are the Life Safety and Code requirements for the Deltona Fire Department. This is a general guideline to assist developers, contractors and subcontractors with submitting plans for review by the Fire Loss Management Division. **These are general requirements and individual projects may require additional requirements based on type of project and operating features. Each project will be evaluated on a case by case basis. All plans shall be approved prior to construction permits being issued.** [The current code is the Fla. Fire Prevention Code, 2007 Edition]

Project Name/ Developer: _____ **Project #:** _____

Address: _____ **Date:** _____

Type Occupancy / Project: _____ **Sq. Ft.:** _____ **PFP#:** _____

HYDRANTS / WATER SUPPLY / FIRE DEPT. ACCESS

- Residential Areas / 1 & 2 Family structures: Hydrants shall be located every 500 feet, within 250 feet of buildings, with a minimum water main size of six (6) inches.
- Commercial – Hydrants shall be located within 300 feet of all buildings. Water supply shall be a minimum of 1250 gpm with a residual pressure of 20 psi. Minimum water main size of 8 inches required. Addition water supply requirements shall be based on **NFPA 1142** and NFPA 1 Annex H.
- Building construction type, use and dimensions shall be provide to determine water demand calculations
- Hydrants shall meet city specifications (See attachment)
- Fire flow shall be certified by Engineer of Record/ Shall meet requirements of **LDC 96-45** and shall be conducted during peak demand hours, as determined by the fire department.
- Certified underground utility contractors shall submit proper documentation to Fire Loss Management prior to the installation of underground utilities. (water, gas, etc.)

Additional:

- During construction, water supply shall be available prior to combustible materials being on site.
- FD to be notified to witness tapping of water lines and installation of hydrants.
- During construction, access shall be provided with an all-weather roadway surface capable of supporting fire apparatus (minimum of 32 tons) necessary to respond.
- FD access to the building shall be accessible from two sides. Access roads shall be a minimum of 20 feet in width, vertical clearance of 13 feet 6 inches in height, and have an inside-turning radius of 35 feet (**LDC 96-36 & NFPA 1**) (**WB-40 Straight Chassis**)
- Dead end roads, which exceed 150 feet, shall have a minimum turnaround center line radius of 50 feet.
- Fire Lanes shall be provided as per **NFPA 1** and City of **Deltona LDC 96-36**

AUTOMATIC FIRE SPRINKLERS REQUIRED

- Special Structures / High Rise (75 ft. Height as per LSC 3.3.25.6)
- Assembly (Occupant Load of 300 or more)
- Educational
- Day Care



D R C REQUIREMENTS
CITY OF DELTONA FIRE DEPARTMENT
FIRE LOSS MANAGEMENT DIVISION

1685 Providence Blvd. Deltona, Fl. 32725

Plans Review: (386) 575-6921/ FAX (386) 860-7191



AUTOMATIC FIRE SPRINKLERS REQUIRED (Cont.)

- Health Care
- Correctional
- Hotels / Dormitories / Lodging & Rooming
- Apartments (3 stories or more)
- Residential Board & Care
- Mercantile
- Business
- Industrial
- Storage
- Special Hazard
- Access

Additional Requirements:

- Design Criteria must be signed, sealed and approved by Engineer of Record.
- More than 12 heads but less than 50 heads, shop drawings may be used
- Underground Fireline – if contractor other than sprinkler contractor installs underground, Certified Class V contractor must submit separate plans for review, permitting and inspections.
- Point of Service refers to the point when underground piping for a sprinkler system is used exclusively for the sprinkler system, as per FS. 633.021
- Monitoring required
- Underground and aboveground systems inspections require visual, hydrostatic and flush tests. 48 to 72 hour notifications required for inspections
- FDC shall be located outside of collapse zone of building.
- FDC Knox Locking Caps required. Contact Fire Dept. for application.

FIRE ALARM SYSTEMS

- As per NFPA 72
- Design criteria must be approved, signed and sealed by the Engineer of Record
- Over \$5,000 for work requires engineer sealed plans

EMERGENCY ACCESS

- Knox Box required for FD emergency access for all facilities having Fire Sprinkler / Fire Alarm Systems, or any facility having restricted access.
- Gates for gated communities required to have manual back up in the event of power failure in addition to Knox Key, SOS systems, and access codes.



D R C REQUIREMENTS
CITY OF DELTONA FIRE DEPARTMENT
FIRE LOSS MANAGEMENT DIVISION

1685 Providence Blvd. Deltona, Fl. 32725

Plans Review: (386) 575-6921/ FAX (386) 860-7191



ADDITIONAL REQUIREMENTS

- [] All construction plans submitted for review and permitting shall comply with *City of Deltona Life Safety Systems / Plans Review Requirements* (See Attached)
- [] Burn Permits required for on-site burning for land clearing purposes, subject to *City of Deltona and Division of Forestry* regulations.
- [] Exterior vegetation, cut or uncut weeds, grass, vines and other vegetation shall be removed when determined by the AHJ to be a fire hazard. When the AHJ determines that the total removal of growth is impractical due to size or environmental factors, approved fire breaks shall be established. Designated areas shall be cleared of combustible vegetation to establish the fire breaks. (NFPA 1, 10.15.10 & 17.3.5.2) The criteria to evaluate and reduce the wild fire risk shall be NFPA 1144, 2002 Edition.
- [] Commercial structures, including “Big Box” and high rise structures, require a communications engineering survey to certify that fire department radio communications are able to be utilized inside the structure(s) with fire department communications dispatch center. Any applicable communications equipment shall be installed prior to final inspections for buildings.