



General Requirements

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1. Temporary site address shall be displayed plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Numbers shall be a minimum of 12 inches (304.8 mm) high with a minimum stroke width of 0.5 inch (12.7 mm) facing addressed street.
2. All fire department inspection forms and permits shall be kept in a permit packet on the job site until final inspection.
3. See *Inspection Process* Section for further information.

Vertical Construction Approval

4. All permanent fire hydrants and fire lane access roadways shall be installed and approved prior to vertical construction of any building or structure.
5. A fire hydrant confidence test shall be conducted to verify ability to meet the Needed Fire Flow for the building or structure. See *Fire Hydrant Confidence Testing* for details on this test.
6. A "Go Vertical Meeting" must be schedule through the Fire Marshal's Office.
7. Written approval must be given prior to any above slab construction.

Furniture, Fixture and Equipment Placement (FF&E) Approval

8. All required fire protection systems must be installed and approved prior to any stock and/or equipment being installed within a building.
9. An "OK to Stock Meeting" must be schedule through the Building and Fire Marshal's Office Inspectors.
10. Written approval must be given prior to any stock and/or equipment to be placed within the building.

Outdoor Burning

11. A permit shall be obtained from the Texas Commission on Environmental Quality and the Deer Park Fire Marshal's Office prior to any outdoor burning.
12. Copy of State permit and any other required documents shall be presented to the fire code official with Outdoor Burn Permit application.
13. The location for open burning shall not be less than 300 feet (91,440 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within 300 feet (91,440 mm) of any structure.
14. Temporary fencing shall be provided around pit after hours.

Temporary Fuel Storage Tanks

15. A permit shall be obtained from the Deer Park Fire Marshal's Office prior to placement of any above ground fuel dispensing tanks or containers on construction sites.
16. See *Temporary Storage and Dispensing of Flammable and Combustible Liquids* section in this handbook for additional requirements.

Temporary Heating Devices

17. Temporary heating devices shall be listed and labeled. Installation, maintenance, and use of temporary heating devices shall be in accordance with the terms of the listing.
18. Refueling operations shall be conducted only when the appliance shall be allowed to cool prior to refueling.



19. Clearance to combustibles from temporary heating devices shall be maintained in accordance with the labeled equipment. When in operation, temporary heating devices shall be fixed in place and protected from damage, dislodgement, or overturning in accordance with the manufacturer's instructions.
20. The use of temporary heating devices shall be supervised and maintained only by competent personnel.

Precautions against Fire

21. Smoking shall be prohibited except in approved areas. Signs shall be posted in conspicuous locations. In approved areas where smoking is permitted, approved noncombustible ashtrays shall be provided.
22. Combustible debris shall not be accumulated within buildings. Combustible debris, rubbish, and waste material shall be removed from buildings at the end of each shift of work. Combustible debris, rubbish, and waste material shall not be disposed of by burning on the site.
23. Materials susceptible to spontaneous ignition, such as oily rags, shall be stored in a listed disposal container.
24. Where required by the code official for building demolition that is hazardous in nature, qualified personnel shall be provided to serve as an on-site fire watch. The sole duty of fire-watch personnel shall be to watch for the occurrence of fire.
25. Operations involving the use of cutting and welding shall be done in accordance with IFC Chapter 26.
26. Temporary wiring for electrical power and lighting installations used in connection with the construction, alteration, or demolition of buildings, structures, equipment, or similar activities shall comply with the ICC Electrical Code.

Flammable and Combustible Liquids

27. Ventilation shall be provided for operations involving the application of materials containing flammable solvents.
28. Flammable and combustible liquid storage areas shall be maintained clear of combustible vegetation and waste materials. Such storage areas shall not be used for the storage of combustible materials.
29. Sources of ignition and smoking shall be prohibited in flammable and combustible liquid storage areas. Signs shall be posted.
30. Class I and II liquids shall be kept in approved safety containers.
31. Leaking vessels shall be immediately repaired or taken out of service and spills shall be cleaned up and disposed of properly.

Owner's Responsibility for Fire Protection

32. The owner shall designate a person to be the Fire Prevention Program Superintendent who shall be responsible for the fire prevention program and ensure that it is carried out through completion of the project. The fire prevention program superintendent shall have the authority to enforce the provisions of these guidelines and other provisions as necessary to secure the intent of this chapter. Where guard service is provided, the superintendent shall be responsible for the guard service.
33. The fire prevention program superintendent shall develop and maintain an approved prefire plan in cooperation with the fire chief. The fire chief and the code official shall be notified of changes affecting the utilization of information contained in such prefire plans.
34. Training of responsible personnel in the use of fire protection equipment shall be the responsibility of the fire prevention program superintendent.
35. The fire prevention program superintendent shall determine that all fire protection equipment is maintained and serviced in accordance with this code. The quantity and type of fire protection equipment shall be approved.



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36. The superintendent shall be responsible for supervising the permit system for hot work operations in accordance with the IFC.
 37. Impairments to any fire protection system shall be in accordance with IFC 901. See *Fire Watch Guidelines* for more information
 38. Temporary covering of fire protection devices. Coverings placed on or over fire protection, devices to protect them from damage during construction processes shall be immediately removed upon the completion of the construction processes in the room or area in which the devices are installed.
 39. Readily accessible emergency telephone facilities shall be provided in an approved location at the construction site. The street address of the construction site and the emergency telephone number of the fire department shall be posted adjacent to the telephone.

Means of Egress

40. Where a building has been constructed to a height greater than 50 feet (15 240 mm) or four stories, or where an existing building exceeding 50 feet (15 240 mm) in height is altered, at least one temporary lighted stairway shall be provided unless one or more of the permanent stairways are erected as the construction progresses.
41. Required means of egress components shall be maintained during construction and demolition.

Automatic Sprinkler System

42. In buildings where an automatic sprinkler system is required by this code or the International Building Code, it shall be unlawful to occupy any portion of a building or structure until the automatic sprinkler system installation has been tested and approved
43. Operation of sprinkler control valves shall be allowed only by properly authorized personnel and shall be accompanied by notification of duly designated parties. When the sprinkler protection is being regularly turned off and on to facilitate connection of newly completed segments, the sprinkler control valves shall be checked at the end of each work period to ascertain that protection is in service.

Portable Fire Extinguishers

44. Structures under construction, alteration, or demolition shall be provided with not less than one approved portable fire extinguisher at each stairway on all floor levels where combustible materials have accumulated. An approved portable fire extinguisher shall be provided in every storage and construction shed. The code official is authorized to require additional approved portable fire extinguishers where special hazards exist, such as flammable or combustible liquid storage hazards.

Safeguarding Roofing Operations

45. Roofing operations utilizing heat-producing systems or other ignition sources shall be performed by a contractor licensed and bonded for the type of roofing process to be performed.
46. Asphalt and tar kettles shall be operated in accordance with IFC 303.
47. Fire extinguishers for roofing operations. There shall be at least one multi-purpose portable fire extinguisher with a rating of 2-A:20B:C on the roof being covered or repaired.



Fire Lanes

All fire lanes shall be reviewed and approved by the Fire Marshal prior to installation. All fire lanes shall be installed in accordance to the below listed items.

I. GENERAL GUIDELINES

- 2) All new and existing buildings within the city shall have adequate access for the Fire Department apparatus. The Fire Marshal and building owner/tenant shall designate fire lanes. In no case shall a fire lane be less than twenty (24) feet in width and have a vertical clearance no less than fourteen (14) feet. All fire lanes shall be marked on both sides as a travel lane, including behind parking spaces and dead-end drives.
- 3) All fire lanes shall extend to within one hundred-fifty (150) feet of all exterior portions of the facility and exterior walls of the first story of the building as measured by an approved route.
- 4) All fire lanes shall be posted and marked, and shall be designated as tow away zones by the building owner/tenant. All fire lanes within the city shall be marked using signs, pavement markings or curb markings with the following specifications:
 - a. **Pavement Markings** – All pavement markings shall be installed using red and white traffic paint. The boundaries of the fire lane shall be identified by red stripes at least six (6) inches wide. The words “FIRE LANE – NO PARKING – TOW AWAY ZONE” shall appear in four (4) inch white letters at twenty-five (25) foot alternating intervals on the red border markings.
 - b. **Curb Markings** – Curb markings shall be painted in red traffic paint from the top seam of the curb to a point even with the driving surface. The words “FIRE LANE – NO PARKING – TOW AWAY ZONE” shall appear in four inch letters at 25 foot intervals along the curbs
- 5) Signs may be used in lieu pavement markings, as approved. Signs shall conform to the standards listed below and in accordance to City of Deer Park ordinance Sec. 34-74 a) Signs shall read "NO PARKING FIRE LANE TOW-AWAY ZONE". Signs shall be 12" wide and 18" high. Signs shall be painted on a white background with letters and borders in red, using not less than 2" lettering. Signs shall be permanently affixed to a stationary post and the bottom of the sign shall be six feet, six inches (6'6") above finished grade. Signs shall be spaced not more than thirty feet (30') apart. Signs may be installed on permanent buildings or walls or as approved by the Fire Marshal.

II. BUILDINGS EXCEEDING 30 FEET IN HEIGHT

Fire apparatus access roads for buildings exceeding three stories or thirty (30) feet in height shall be provide with at least three means of fire apparatus access.

III. REQUIREMENTS FOR LARGE AREA BUILDINGS

Buildings exceeding sixty-two thousand (62,000) square feet in area shall provide two separate approved fire apparatus access roads.



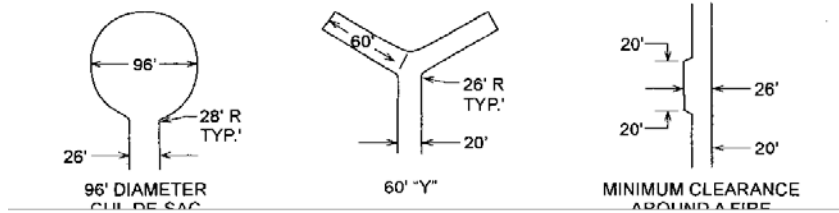
Exception: Projects with a gross building area up to one hundred twenty-four thousand (124,000) square feet may have a single approved fire apparatus access road when all buildings are equipped with an approved automatic sprinkler system.

IV. AERIAL FIRE APPARATUS ACCESS ROADS

- 1) Buildings or portions of buildings or facilities exceeding 30 feet in height above the lowest level of fire department vehicle access shall be provided with approved fire access roads capable of accommodating fire department aerial apparatus. Overhead utility and power lines shall not be located within the aerial fire apparatus access roadway.
- 2) Fire apparatus access roads shall have a minimum unobstructed width of 26 feet in the immediate vicinity of any building or portion of building more than 30 feet in height.
- 3) At least one of the required access routes meeting this condition shall be located within a minimum of 15 feet and a maximum of 30 feet from the building, and shall be positioned parallel to one entire side of the building.



DEAD-END FIRE APPARATUS ROAD TURNAROUND





PERMITS

All system installation permits are 50% of total cost of the permit as per Section 18-36(b).

- **Sprinkler System Plan Review and Inspection**
 - 50% of total cost of the permit
 - \$50.00 per each riser
 - \$50.00 Up to 20 heads
 - \$50.00 plus \$2.00 per each sprinkler head
 - \$10.00 Cover up fee, additional \$10.00 if covered before approval
 - 50% of total cost, plus \$2.00 per head for changes to existing system
- **Fire Alarm System Plan Review and Inspection**
 - 50% of total cost of the permit
 - \$40.00 Fire Panel
 - 2.00 per device (pull stations, smoke, heat detectors, horns and strobes)
- **Fixed Fire Suppression (Kitchen/Spray Booths)**
 - 50% of total cost of the permit
 - \$50.00 Inspection Fee
- **Miscellaneous**
 - \$50.00 Emergency Generator
 - \$50.00 Access Gates
 - \$50.00 After Hours Inspection, per hour with 4 hour minimum
 - \$30.00 Certificate of Occupancy
 - \$50.00 Occupancy load evaluation
 - \$50.00 Re-Inspect Fee after the first inspection (Fire Marshal's Discretion)
- **Permanent Combustible and Flammable Liquid Tank Installation**
 - 50% of total cost of the permit Plan review
 - \$150.00 per year

All system and final occupancy inspections that fail will require \$50.00 re-inspection fee, prior to inspection.

This notice does not relieve the owner, designers, and contractors or their representatives from their individual or collective responsibility to comply with applicable provisions of the codes governing the site. This information is not to be construed as a check of every item required, including items noted or not otherwise detailed, and does not prevent the Fire Official from hereafter requiring corrections of errors.

2211 East X Street
Deer Park, Texas 77536
(281) 478-7281
(281) 478-7291
www.deerparktx.gov



H.W. Buddy Rice
Fire Marshal

Suppression and Detection System Permit Application

- Sprinkler System
 Fire Alarm System
 Fixed Suppression Systems

Permit No. _____

Suppression and Detection Systems 50% of the total cost of the permit fee

If the requested inspection is on weekends or at night, include fees for inspecting, outside regular working hours.

Minimum of 4 hours

\$ 200.00

Each additional hour or portion of an hour \$50.00; Additional Hrs _____ @ \$50.00 =

\$ _____

Call: 281-478-7291 for further information

TOTAL \$ _____

INSTALLATION COMPANY INFORMATION

Name of Company: _____

Company Address: _____

Company Phone No.: _____

State License No.: _____

System Designer: _____

Name of Licensed Installer: _____

Insurance Co.: _____

Insurance Agent & Policy No.: _____

PREMISES TO BE PROTECTED

Property Address: _____

Property Owner: _____

Owner's Mailing Address: _____

Owner's Phone No.: _____

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Fire Marshal

FIRE SPRINKLER SYSTEM PERMIT

The sprinkler system shall be constructed with supervisory alarm capability

Type of Hazard: Light Ordinary _____ Extra _____

Pipe Schedule: _____ Hydraulic Calculation: _____

Coverage: Complete Partial (Specify) _____

Light Hazard Locations: _____

Ordinary Hazard Locations: _____

Extra Hazard Locations: _____

Design Area: _____

Square Feet of Design Area: _____

Most Remote Sprinkler Location: _____

Residual Pressure at Highest Sprinkler Location: _____ PSI _____

Inspector Test Valve Location: _____

SPRINKLER HEADS: (TOTAL)

Up-rights: TYPE: _____ Temp Rating: _____

Pendants: TYPE: _____ Temp Rating: _____

Sidewalls: TYPE: _____ Temp Rating: _____

Dry Pend: TYPE: _____ Temp Rating: _____

Other: _____

NUMBER OF TOTAL HEADS: _____ (@ \$2.00 EACH)

NUMBER OF RISER: _____ (@ \$50.00 EACH)

NUMBER OF FDC'S: _____ (@ \$40.00 EACH)

NOTE: FDC's will require purchase of locking KNOX cap and key wrench

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ANCILLARY EQUIPMENT

Alarm Check Valve: YES: NO:

Flow Alarm: YES: NO: WATER: ELECTRIC:

Tamper Switches: YES: NO:

Spare Sprinklers: TYPE: _____ Quantity: _____

TYPE: _____ Quantity: _____

Additional Appliances Installed: _____

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FIRE ALARM SYSTEM PERMIT

Local Remote Central Station Proprietary Aux. Other (Specify) _____

Monitoring Company: _____

License/Certification No: _____

Address: _____ City _____ State _____

Phone: _____ Other Phone: _____

Zone/Coded System: YES NO

Name of Zones: _____

Number of Pull Stations: _____ Number of Smoke/Heat Detectors: _____

Type of Smoke/Heat Detector: _____

Coverage: Complete Partial (Specify) _____

Additional Appliances Installed: _____

Meets A.D.A Requirements: YES NO

NUMBER OF TOTAL DEVICES: _____ (**@ \$2.00 each**) **included pull stations, smoke and heat detectors, horns and strobes**

Communication devices for Fire Alarm systems shall be independent and separate from any communication devices used for burglary or panic/hold-up alarms. The only exception is for single-family residences

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FIXED FIRE EXTINGUISHING SYSTEM

Hood Suppression, Paint Booth, Spray/Mixing Rooms

Manufacturer: _____

Model No.: _____

Serial No.: _____

UL 300 Approved? YES NO

Coverage: Complete Partial (Specify) _____

Design Area: _____

NUMBER OF TOTAL NOZZLES: (TOTAL) _____ (\$0.25 EACH)

Other: _____

ANCILLARY EQUIPMENT

Additional Appliances Installed: _____

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Fire Marshal

INSPECTIONS AND TESTING

***Notice of 24 hours or more is required for any inspection of system**

The Fire Marshal's Office shall witness all final testing prior to the occupancy of the building.

NOTE: A set of detailed blueprint drawings depicting the system as installed shall be submitted to the Fire Marshal's Office before completion of the extinguishing system installation.

CERTIFICATIONS REQUIRED

- CERTIFICATION OF ABOVEGROUND PIPING
- CERTIFICATION OF UNDERGROUND PIPING
- Welders Certifications stating that all welders/fabricator meet AWS D10.9, Level AR-3. Any on-site welding shall be in accordance with NFPA 51B.
- Certification that the sprinkler system and ancillary equipment has been installed and operational in accordance with NFPA 13 (Installation of Sprinkler Systems), NFPA 24 (Private Fire Service Mains), NFPA 25 (Water Based Fire Protection Systems), and NFPA 72 (Fire Alarm Code)

Signature of Applicant

Date

Signature of Plan Reviewer

Date

Failure of any system test requires a re-inspection fee of \$50.00 per occurrence

TOTAL OF PERMIT: \$_____

Payment should be Payable to City of Deer Park, 710 East San Augustine, Deer Park Texas 77536

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H.W. Buddy Rice
Fire Marshal

FIRE PUMP CHECKLIST

BUSINESS NAME: _____ DATE: _____

ADDRESS: _____ PERMIT NUMBER: _____

INSTALLER: _____ LICENSE NUMBER: _____

- Witness testing of pump at 100% and at 150% of rated capacity for 5 minutes
- Test controller, supervision, and pressure relief
- Check for a dedicated electrical power source and that the electrical connection is before the service connection to the building.
- Alternate power supplies shall be tested according to NFPA 20 and manufacturer specifications. The transfer of power shall take place in the pump room.
- System reset, put in service, and tagged properly

SYSTEM PASSED TESTING YES NO

Comments: _____

Fire Suppression System Installer: _____ Date: _____

Fire Inspector: _____ Badge No. _____ Date: _____