

Little Elm Fire Department Fire Marshal's Office



Permit Required

General Information

This guide is written to assist general contractors and developers with plan submittals. Plan submittal, inspection and testing of systems will be done by the subcontractor and will be witnessed by the fire department representative.

The general contractor can schedule a Fire Department Final Inspection; all other **inspections are to be scheduled by the subcontractor.**

Prior to moving office supplies, Furniture, or similar items into the building, all fire and life safety systems must be approved by the Fire Department along with authorization from the Building Inspection Department.

All sprinkler piping must be visible until the fire sprinkler system passes the hydrostatic test and component review. Ceilings must not be installed until these inspections have been passed by the fire department.

A Framing Inspection cannot be scheduled until automatic fire sprinkler plans and fire alarm plans have been submitted by the subcontractors.

When change of "occupancy" occurs, the entire occupancy must be brought up to current code requirements for the new occupancy classification.

**Failure to obtain a permit required by ordinance, and/or working without a permit will result in a fee of twice the permit fee, in addition to the permit fee.

**Permit and approved plans must be kept on site. Work done without approved plans on site will be considered working without a permit.

Codes: (See Fire Code Amendments at www.littleelm.org)

2006 International Building Code and Local Amendments (IBC)

2006 International Fire Code and Local Amendments (IFC)

**Where there is a conflict between code amendments, the most current amendment prevails.

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GENERAL REQUIREMENTS for ALL Occupancies

Fire Sprinkler Underground Plan Submittal: Required For:

- Buildings with new sprinkler system installations.
- Existing sprinkler systems where sprinkler underground piping must be modified.
- Each line is a separate permit.

Remote Fire Department Connection Plan Submittal: Required For:

- Buildings with new sprinkler system installations
- Existing sprinkler system where Remote Fire Department Connection must be modified.
- Each line is a separate permit.

Automatic Fire Sprinkler Plan Submittal: Required For:

- Building area is 5,000 square feet or larger. (IFC 903.2.10.6)
- Remodels to existing buildings with automatic sprinklers.
- A building addition where the cumulative total area of the building exceeds 5,000 sq.ft.
- Spray booths (new and existing). (IFC 903.2.10.5)
- Stages. (IFC 905.3.4)
- Buildings with a floor level that is 35 feet or more above the lowest level of fire department vehicle access, automatic sprinkler systems are required. (IFC 903.2.10.3)
- Atriums. (IBC 404.3)
- High piled storage area is 500 sq.ft. or larger. (IFC Table 2306.2)
- All buildings with FM 200, Intergen, or other alternate agent system.
- All Occupancies except R-3 and U when: (IFC 903.2.10)
 - o Stories or basements without openings: Sprinklers required throughout every story or basement of all buildings where the floor area exceeds 1,500 sq.ft. and where there is not one of the following types of exterior wall openings:
 - *Openings below grade that lead directly to ground level by an exterior stairway complying with Section 1022 or an outside ramp complying with Section 1022. Openings shall be located in each 50 linear feet or fraction thereof, of exterior wall in the story on at least one side.
 - *Openings entirely above the adjoining ground level totaling at least 20 sq.ft. in each 50 linear feet, or fraction thereof, of exterior wall in the story on at least one side.

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Fire Alarm Plan Submittal: Required For:

- Remodels, fire alarm panel changes, or addition of monitoring to existing buildings with Fire Alarms.
- The complete building fire alarm must meet current code requirements if remodel or expansion of existing building exceeding 30% of the total building area. (IFC 907.1.3)
- Atriums. (IFC 907.2.13)
- High rise buildings. (IFC 907.2.12)
- Lead Acid Battery rooms with greater than 50 gallon liquid capacity. (IBC & IFC 907.2.23)
- Buildings where elevator recall is required.

Standpipe Plan Submittal: Required For:

- Buildings where floor level of the lowest story is located more than 30 feet above or below fire department access, standpipe systems are required. (IFC 905.3.1)
- Buildings 10,000 sq.ft. or greater where interior area is more than 200 feet of travel from the nearest point of fire department vehicle access, standpipe systems are required. (IFC 905.3.2)

Flammable Liquid Storage Tank Submittal: Required For:

- Portable tank 660 gallons or larger. (IFC 3404.2)
- Fixed above ground storage tanks and underground storage tanks. (IFC 3404.2)
 - o (Above Ground Tanks Not Allowed in Zoning Other Than Industrial.)
- Propane tank installations.

Hood Suppression System Plan Submittal: Required For:

- All Type I hoods. (IFC 904.2.1)
- Domestic Appliances used for commercial purposes (Requires Type I Hood) (IFC 609)

Alternate Extinguishing System Plan Submittal: Required For:

- All buildings with FM 200, Intergen, or other alternate agent system.

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Smoke Control Plan Submittal: Required For:

- Stage larger than 1,000 square feet in floor area. (IBC 410.3.7)
- Stage with height greater than 50 feet. (IBC 410.3.7)
- High rise buildings. (IBC & IFC 1005.3.2.5)
- Atriums. (IBC 404.4)
- High piled storage area 12,000 sq.ft. or larger. (Note: will also have to meet building access requirements). (IFC Table 2306.2)

High Piled Storage Plan Submittal: Required For:

- All high piled storage areas.

Battery System Plan Submittal: Required For:

- Installation of stationary lead-acid battery systems having a liquid capacity of more than 50 gallons (IFC 105.7.2)

Access Control Plan Submittal: Required For:

- Installation of any ingress or egress control system

Gate Access System Plan Submittal: Required For:

- Installation of a gate system that crosses a fire lane
- Installation of a gate system that restricts fire department access (community pools, etc.)

LP Gas System Plan Submittal: Required For:

- Installation of or modification to an LP-gas system (IFC 105.7.9)

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Compressed Gas System Plan Submittal: Required For:

- Installation, repairing damage to, abandoning, removing, placing temporarily out of service, or closing or substantially modifying a compressed gases system when the use or storage exceed the amounts listed in the IFC Table 105.6.8

Hazardous Material Plan Submittal: Required For:

- Installing, repairing damage to, abandoning, removing, placing temporarily out of service, or close or substantially modifying a storage facility or other area regulated by Chapter 27 of the IFC when use or storage are in excess of the amounts listed in Table 105.6.20.

Spray / Dipping Operations Plan Submittal: Required For:

- Installing or modifying a spray room, dip tank or booth

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ADDITIONAL REQUIREMENT for SPECIFIC Occupancies

A-1

Automatic Fire Sprinkler Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 903.2.1.1)
- Floor above or below exit discharge. (IFC 903.2.1.1)
- Has Multi Theater complex. (IFC 903.2.1.1)

Fire Alarm Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 907.2.1)

A-2

Automatic Fire Sprinkler Plan Submittal: Required For:

- Building area 5,000 square feet or larger. (IFC 903.2.1.2)
- Occupant Load of 300 or more. (IFC 903.2.1.2)
- Floor above or below exit discharge. (IFC 903.2.1.2)

Fire Alarm Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 907.2.1)

A-3

Automatic Fire Sprinkler Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 903.2.1.3)
- Floor above or below exit discharge (Exception: Sports areas where main floor is a level of Exit Discharge). (IFC 903.2.1.3)

Fire Alarm Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 907.2.1)

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A-4

Automatic Fire Sprinkler Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 903.2.1.4)
- Floor above or below exit discharge (Exception: Sports areas where main floor is a level of Exit Discharge). (IFC 903.2.1.4)

Fire Alarm Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 907.2.1)

A-5

Automatic Fire Sprinkler Plan Submittal: Required For:

- Concession stands, retail areas, press boxes and other accessory use areas 1,000 square feet or larger. (IFC 903.2.1.5)

Fire Alarm Plan Submittal: Required For:

- Occupant Load of 300 or more. (IFC 907.2.1)

B

Fire Alarm Plan Submittal: Required For:

- Building with total occupant load of 500 or more. (IFC 907.2.2)
- Occupant load of 100 or more above or below lowest level of exit discharge. (IFC 907.2.2)

E

Automatic Fire Sprinkler Plan Submittal: Required For:

- Any portion below level of exit discharge. (IFC 903.2.2)

Fire Alarm Plan Submittal: Required For:

- All "E" occupancies (IFC 907.2.3)

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F-1

Automatic Fire Sprinkler Plan Submittal: Required For:

- More than 3 stories in height. (IFC 903.2.3)
- Has woodworking area 2500 sq.ft. or larger. (IFC 903.2.3.1)

Fire Alarm Plan Submittal: Required For:

- Building two or more stories in height and with total occupant load of 500 or more above or below lowest level of exit discharge. (IFC 907.2.4)

F-2

Fire Alarm Plan Submittal: Required For:

- Building two or more stories in height and with total occupant load of 500 or more above or below lowest level of exit discharge. (IFC 907.2.4)

H-1, H-2, H-3, H-4, & H-5

Automatic Fire Sprinkler Plan Submittal: Required For:

- All "H" occupancies. (IFC 903.2.4.1)

Fire Alarm Plan Submittal: Required For:

- All "H-5" occupancies. (IFC 907.2.5)

I-1, I-2, I-3, & I-4

Automatic Fire Sprinkler Plan Submittal: Required For:

- All "I" occupancies. (IFC 903.2.5)

Fire Alarm Plan Submittal: Required For:

- All "I" occupancies. (IFC 907.2.6)

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M

Automatic Fire Sprinkler Plan Submittal: Required For:

- High piled storage. (IFC 903.2.6.1)

Fire Alarm Plan Submittal: Required For:

- Building with total occupant load of 500 or more. (IFC 907.2.7)
- Occupant load of 100 or more above or below lowest level of exit discharge. (IFC 907.2.7)

R-1

Automatic Fire Sprinkler Plan Submittal: Required For:

- All buildings with a R-1 fire area except the following: (IFC 903.2.7)
Where guestrooms are not located more than one story in height and the building contains less than 20 guest rooms. (IFC 903.2.7)

Fire Alarm Plan Submittal: Required For:

- All "R-1" occupancies (IFC 907.2.8)
- See Exceptions 1, 2, & 3. (IFC 907.2.8)

R-2

Automatic Fire Sprinkler Plan Submittal: Required For:

- Buildings greater than three stories. (IFC 903.2.8)
- Buildings with greater than 16 dwelling units. (IFC 903.2.8)
- Fraternities and Sororities with occupant load greater than 10. (IFC 903.2.8).

Fire Alarm Plan Submittal: Required For:

- Dwelling unit is located three or more stories above the lowest level of exit discharge. (IFC 907.2.9)
- Any dwelling unit located more than one story below the highest level of exit discharge of exits serving the dwelling unit. (IFC 907.2.9)
- Building contains more than 16 dwelling units. (IFC 907.2.9)
- See Exceptions 1, & 2 (IFC 907.2.9)

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R-3 See GENERAL REQUIREMENTS for ALL Occupancies.

R-4

Automatic Fire Sprinkler Plan Submittal: Required For:

- Building with more than 8 occupants. (IFC 903.2.9)

S-1

Automatic Fire Sprinkler Plan Submittal: Required For:

- Repair garages with two or more stories in height including basements. (IFC 903.2.10.1)
- Building with tire storage greater than 20,000 cubic feet. (IFC 903.2.10.2)
- Self-storage facility. (IFC 903.2.10.3)
- Self-storage facility. (Exception of one story building with no corridors and one-hour fire barrier between every storage compartment). (IFC 903.2.10.3)

S-2

Automatic Fire Sprinkler Plan Submittal: Required For:

- Enclosed parking garages. (IFC 903.2.11)

U See GENERAL REQUIREMENTS for ALL Occupancies.

Underground Buildings

Automatic Fire Sprinkler Plan Submittal: Required For:

- All underground buildings. (IFC 905.3.6)

Fire Alarm Plan Submittal: Required For:

- All underground buildings 60 feet or more below fire department access (IFC 907.2.19)
- All underground buildings must have detection for smoke exhaust system. (IFC 907.2.19)

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Smoke Control Plan Submittal: Required For:

- All underground buildings. (IBC 405.5)

Covered Mall Buildings

Automatic Fire Sprinkler Plan Submittal: Required For:

- All Covered Mall Buildings. (IBC 402.8) (IBC & IFC 905.3.4)

Standpipe Plan Submittal: Required For:

- All Covered Mall buildings. (IBC 402.8.1)

Fire Alarm Plan Submittal: Required For:

- Covered Mall Buildings exceeding 50,000 sq.ft. in total floor area (Voice evac.). (IFC 907.2.20)

Smoke Control Plan Submittal: Required For:

- All Covered Mall Buildings. (IBC 402.9)

Special Amusement Buildings

Automatic Fire Sprinkler Plan Submittal: Required For:

- All Special Amusement Buildings. (IBC 411.4)
 - Except Temporary Special Amusement Buildings less than 1,000 sq.ft. and with travel distance to exit from any point less than 50 feet.

Fire Alarm Plan Submittal: Required For:

- All special amusement buildings. (IFC 907.2.11)