



CONSTRUCTION, ALTERATION OR DEMOLITION OF BUILDINGS

CITY OF LACONIA FIRE PREVENTION DIVISION
848 NORTH MAIN STREET, LACONIA, NH 03246
Call (603) 524-6881 for appointments and information

FIRE PREVENTION
Construction
Safeguards

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This document serves only as a guide regarding the fire safety requirements during the Construction, Alteration, and Demolition of buildings within the City of Laconia. Persons responsible for buildings undergoing construction, alteration, or demolition shall conform to the requirements of ***NFPA 241, Safeguarding Construction, Alteration, and Demolition Operations and the currently state adopted edition of NFPA 1, Fire Code.***

Some of the requirements listed below are paraphrased for the convenience of the reader. All of the requirements of ***NFPA 241 and NFPA 1*** shall apply.

General Guidelines:

A fire protection plan shall be established and approved by the Laconia Fire Department.

Adequate escape facilities shall be maintained at all times for the use of construction workers.

A telephone capable of summoning emergency response personnel shall be provided. The street address of the construction site and emergency telephone number shall be posted adjacent to the telephone.

Access:

Fire department access shall be provided at the start of the project and maintained throughout the construction.

A key box shall be required where access to or within the structure when the AHJ determines that access may be unduly difficult due to security measures.

Safety:

Elevator hoist ways or other vertical shaft ways shall be secured with access doors on all floors closed. Doors shall be padlocked when not in operation. Open shaft ways shall be enclosed if normal enclosures are not present.

Construction materials shall not be burned at the site. Other refuse may be burned on-site with the permission of the AHJ.

At least one fire extinguisher shall be provided in plain site on each floor at each usable stairway.

Travel distance to an approved fire extinguisher shall not exceed 150 feet.

Where a tool house, storeroom, or other shanty used for storage, or as a dressing room, or workshop is located within or adjacent to a building under construction, at least one additional fire extinguisher shall be provided in an accessible location.

Emergency Egress:

All required exit components shall be maintained in accordance with the direction of the Authority Having Jurisdiction (AHJ).

In buildings over one-story in height, at least one stairway shall be provided that is in usable condition and that meets the requirements **of NFPA 101, Life Safety Code, Current Edition.**

Temporary Heating and Electrical Equipment:

Temporary heating systems and storage tanks shall be listed and installed, used, and maintained in accordance with the manufacturer's instructions and all applicable codes.

LP Tanks shall be protected from accidental tip-over and/or physical damage from vehicular traffic by substantial, temporary barriers.

Permits shall be required for temporary tank and heating appliance installations.

Portable LP tanks shall not be stored or used within buildings or on decks or porches.

Temporary gas supply piping or tubing shall be protected from physical damage.

Temporary equipment and systems shall be removed when primary equipment becomes operational. Temporary connections to permanent equipment shall be prohibited.

Temporary wiring shall comply with NFPA 70, *National Electrical Code*, Current Edition.

Hot Work:

Permits for cutting and welding operations in any area of the building under construction or renovation shall be required.

Cutting and welding operations shall comply with NFPA 1, *Uniform Fire Code* and be allowed only in those areas that have been made safe. Hot work shall only be in designated or permit-required areas. Hot work shall NOT be allowed in areas:

Not authorized by the management.

In sprinklered building while such protection is impaired.

In the presence of an explosive atmosphere; in containers that formally contained in uncleaned containers; or in explosive atmospheres caused by dust.

A fire watch shall be provided in all hot work areas. Fire watchman shall remain in place for one (1) hour after the secession of any hot work. Fire fighting equipment shall be provided as required by the Authority Having Jurisdiction (AHJ).

Storage Areas:

Class I and Class II liquids shall be stored in approved safety containers.

Class I and Class II liquids in excess of 60 gallons shall be stored a minimum of 50 from any structure.

Open flames shall not be permitted in flammable or combustible storage areas.

These areas shall be posted as NO SMOKING areas.

Storage areas must be kept clear of weeds, debris and other combustible materials.

Use of Explosives:

Permits and inspections are required for any explosives used on site for any purpose.

Water Supply:

Water supply and fire protection systems shall be provided and maintained.

Wherever underground mains and hydrants are to be provided, they shall be installed, completed, and in service prior to construction work.

Fire Protection Systems:

There shall be no delay in the installation of fire protection equipment.

Fire alarm systems must be kept operational at all times other than parts of the fire protection system that is being altered.

If sprinkler protection is provided, the installation shall be placed into service as soon as practicable.

Where sprinklers are required for safety of life, the building shall not be occupied until the sprinkler installation has been entirely completed and tested so that the protection is not susceptible to frequent impairment caused by testing and correction.

Protection shall be provided to separate an occupied portion of the structure from that undergoing construction, alternation or demolition. This separation shall have a fire resistive rating of at least 1 hour.

Tar Kettles:

Permits for tar kettles are required and can be obtained from the Laconia Fire Department.

Tar Kettles shall not be permitted inside or on the roof of any building.

Waste Disposal:

Accumulations of combustible waste, dust and debris shall be removed from the structure and its immediate vicinity at the end of each work shift.

Dumpsters shall be emptied or removed to prevent the accumulation of large quantities of combustibles.

Asbestos Removal:

Notification of any asbestos removal or abatement shall be provided to the Laconia Fire Department 24-hours prior to commencing operations AND closure of asbestos removal operations.