



Buildings Under Construction – Fire Prevention Checklist

Buildings under construction present unique fire hazards that require special attention. Fires can result in major losses and long delays in the completion of the project. Factors that should be considered in a fire prevention and protection program for buildings under construction include:

Site Access

	Yes	No	N/A
Are access roads, for fire department use, at least 20-ft (6.1-m) wide and have a vertical clearance of at least 13.5 ft (4.1 m)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are access roads, for fire department use, provided for buildings when any point of a building's exterior is located more than 150 ft (45.7 m) from a roadway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the grade of access roads, not greater than 10 percent, unless otherwise approved by the local fire department?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are buildings, especially those located in isolated areas that are prone to lightning strikes, provided with lightning protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are buildings greater than one story provided with a minimum of one stairway that meets the requirements of NFPA 101, <i>Life Safety Code</i> , published by the National Fire Protection Association (NFPA)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
As subsequent floors are added, are life egress stairways extended to service each additional floor?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Incendiarism and Arson

Are all exterior areas of the property illuminated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the perimeter of the property protected by a fence?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are trees and vegetation cut back to provide a clear space of at least 100 ft (30.4 m) around the perimeter of the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are combustible materials and trash in yard areas removed on a regular basis?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Hot-Work Operations

Is a hot-work permit system used for all cutting, welding, and soldering operations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is hot-work equipment, including torches and fuel/gas cylinders, regularly inspected and serviced?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are portable gas cylinders used in welding and cutting operations stored and used in accordance with NFPA 55, <i>Standard for the Storage, Use, and Handling of Compressed and Liquefied Gases in Portable Cylinders</i> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are multi-purpose, portable fire extinguishers kept nearby whenever hot-work operations are undertaken?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is a fire watch provided during hot-work operations and for at least one hour after operations have been completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are tar kettles located outside of buildings, not on roofs, and not located closer than 10 ft (30 m) from an exit path?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are tar kettles monitored by a trained operator who is not more than 25 ft (7.6 m) from the kettle and within the line of sight of the kettle at all times?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Housekeeping

	Yes	No	N/A
Are good housekeeping practices followed, including routine cleaning of dust over 1/8 in (3.18 mm) in depth from all surfaces?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If smoking is allowed on the premises, is it restricted to certain areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are storage rooms, trash rooms, inside dumpsters, and similar areas separated from other areas by one-hour fire barriers or protected by automatic sprinklers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Utilities

Are electrical appliances that are used in areas where flammable atmospheres are present listed/approved for such use by a nationally recognized testing laboratory, such as Underwriters Laboratories Inc. (UL)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are electrical systems that are installed where flammable liquids are stored or dispensed listed/approved for Class I Division 2 locations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is electrical equipment that is used in wet areas, such as restrooms and outside locations, provided with ground fault protection, including the use of isolated power supplies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is gas- and oil-fired equipment maintained according to the manufacturers' recommendations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If present, are wood-fired boilers separated from all other areas by a one-hour fire-rated wall and protected by an automatic sprinkler system?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are temporary heating devices installed and operated in accordance with the equipment listing and the manufacturer's recommended safe practices?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are temporary heating equipment provided with tip-over protection and overheat shutoffs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the use of temporary heating equipment that have exposed radiant heating wires prohibited?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Dispensing of Fuels

Are flammable liquids stored in containers that are listed/approved for such use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is equipment using gasoline or diesel fuel stored in a separate, detached building or in a room segregated from storage areas by firewalls or fire barriers and automatic closing fire doors?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are refueling operations performed by trained and designated personnel and only in specified, well-ventilated areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is proper bonding/grounding provided before transferring flammable liquids into portable containers or equipment fuel tanks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Storage

	Yes	No	N/A
If compressed gases are stored on site, are they stored in a separate area, away from ignition sources, and secured to prevent tipping and damage?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are storage rooms containing flammable or combustible liquids segregated by fire barriers and protected by an automatic sprinkler system?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the storage of Class I and Class II liquids limited to more than 227 L (60 gal) within 15 m (50 ft) of the structure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the storage of compressed gases limited to a maximum of 300 lb (136 kg) per inside storage location?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If blasting operations are performed, are explosives stored according to recommended practices?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is lumber that is used for framing and forms stored in separate facilities, preferably in an outside location?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Fire Protection

Is there a sufficient number of listed/approved portable fire extinguishers, and are they properly located and maintained, as required in NFPA 10, <i>Standard for Portable Fire Extinguishers</i> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are employees trained in the use of portable fire extinguishers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are fire alarms, detectors, and fixed fire protection, such as automatic sprinklers, installed in temporary structures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is there a site fire safety plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Contact

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