



LAS VEGAS FIRE & RESCUE

Fire Prevention Division

Information Sheet



The items listed are basic information only. Please refer to adopted codes for specific details. Codes are subject to change. Additional requirements may apply.

Effective Date: January 5, 2026

Ordinance # 6918

Repair Garages

An operational permit is required for operation of repair garages. **IFC 105.5.47**

An automatic sprinkler system shall be provided throughout all buildings used as repair garages in accordance with Section 406 of the International Building Code, with a fire area exceeding 5,000 square feet. **IFC 903.2.9.1**

An automatic sprinkler system shall be provided throughout all buildings used for the storage of lithium-ion or lithium metal powered vehicles where the fire area exceeds 500 square feet. **IFC 903.2.9.1**

No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a certificate of occupancy. **IBC 111.1**

Repair garages shall be mechanically ventilated in accordance with the Uniform Mechanical Code. The ventilation system shall be controlled at the entrance to the garage. **IBC 406.8.1**

Cleaning operations. Class IA liquids shall not be used for cleaning. Cleaning with Class IB, IC or II liquids shall be conducted as follows:

1. In a room or building in accordance with Section 5705.3.7
2. In a machine *listed, labeled, and approved* for the purpose in accordance with Section 5705.3.6.2. **IFC 5705.3.6.1**

Solvents shall be classified and shall be compatible with the machines within which they are used. **IFC 5705.3.6.2.1**

The quantity of solvent shall not exceed the listed design capacity of the machine for the solvent being used with the machine. **IFC 5705.3.6.2.2**

Crankcase draining's and liquids shall not be dumped into sewers, streams or on the ground, but shall be stored in *approved* tanks or containers in accordance with [Chapter 57](#) until removed from the premises. **IFC 2311.2.3.1**

Self-closing metal cans shall be used for oily waste. **IFC 2311.2.3.2**

Trash containers with a capacity exceeding 40 gallons shall be provided with lids. Containers and lids shall be constructed of noncombustible materials or of combustible materials with a peak rate of heat release not exceeding 300 kW/m². **IFC 304.3.3**

Sources of ignition shall not be located within 18 inches of the floor. **IFC 2311.3**

Appliances and equipment installed in a repair garage shall comply with the provisions of the International Building Code, the International Mechanical Code and NFPA 70. **IFC 2311.3.1**

Smoking shall not be allowed in repair garages except in approved locations. **IFC 2311.3.2**

Pits and below-grade work areas shall be constructed in accordance with the International Building Code. **IFC 2311.4.1**

Pits and below-grade work areas shall be provided with means of egress in accordance with Chapter 10. **IFC 2311.4.2**

Where Class I liquids or LP-gas are stored or used within a building having a basement or pit wherein flammable vapors could accumulate, the basement or pit shall be provided with mechanical ventilation in accordance with the International Mechanical Code, at a minimum rate of 1 1/2 cubic feet per minute per square foot (cfm/ft²) [0.008 m³/(s × m²)] to prevent the accumulation of flammable vapors. **IFC 2311.4.3**

Waste oil, motor oil and other Class IIIB liquids shall be stored in approved tanks or containers, which are allowed to be stored and dispensed from inside repair garages. **IFC 2311.2.2**

Garage floor drains, where provided, shall drain to approved oil separators or traps discharging to a sewer in accordance with the Uniform Plumbing Code. **IFC 2311.2.3**

Heat-producing appliances shall be of an approved type. Solid fuel stoves, improvised furnaces, salamanders, or space heater shall not be permitted in areas of repair garages used for repairing or servicing of vehicles or in a fuel dispensing area. **NFPA 30A 7.6.2.2**

Fire extinguishers shall be provided in accordance with NFPA 10 and NFPA 30A. The maximum travel distance from any point in the vehicle service area to a portable fire extinguisher shall not exceed 15 m (50 ft). **IFC 2311.7**

Compressed gas containers, cylinders and tanks shall be secured to prevent falling caused by contact, vibration or seismic activity. **IFC 5303.5.3**

Liquid storage cabinets shall be approved in accordance with Section 5704. **IFC 5704.3.1.1**

Cabinets shall be listed in accordance with UL 1275, or constructed of approved wood or metal in accordance with the following:

1. Unlisted metal cabinets shall be constructed of steel having a thickness of not less than 0.044 inch (18 gage). The cabinet, including the door, shall be double walled with 1½ inch airspace between the walls. Joints shall be riveted or welded and shall be tight fitting.

2. Unlisted wooden cabinets, including doors, shall be constructed of not less than 1 inch exterior grade plywood. Joints shall be rabbeted and shall be fastened in two directions with wood screws. Door hinges shall be of steel or brass. Cabinets shall be painted with intumescent-type paint. **IFC 5704.3.2.1.1**

Cabinets shall be provided with a conspicuous label in red letters on contrasting background which reads: FLAMMABLE—KEEP FIRE AWAY. **IFC 5704.3.2.1.2**

Doors shall be well fitted, self-closing and equipped with a three-point latch. **IFC 5704.3.2.1.3**

The bottom of the cabinet shall be liquid tight to a height of at least 2 inches. **IFC 5704.3.2.1.4**

The combined total quantity of liquids in a cabinet shall not exceed 120 gallons. **IFC 5704.3.2.2**

Hot work includes operations involving cutting, welding, Thermit welding, brazing, soldering, grinding, thermal spraying, thawing pipe, and installation of torch-applied roof systems or any other similar activity. **IFC 202**

An operational permit is required for hot work. **IFC 105.5.25**

Hot work shall only be conducted in areas designed or authorized for that purpose by the personnel responsible for a Hot Work Program. Hot work shall not be conducted in the following areas unless approval has been obtained from the fire code official:

- Areas where the sprinkler system is impaired
- Areas where there exists the potential of an explosive atmosphere
- Areas with readily ignitable materials
- At other locations as specified by the fire code official. **IFC 3501.3**

Hot work areas shall not contain combustibles or shall be provided with appropriate shielding to prevent sparks, slag or heat from igniting exposed combustibles. **IFC 3504.1.1**

Floors shall be kept clean within the hot work area. **IFC 3504.1.3**

A fire watch shall be provided during hot work activities and shall continue for a minimum of 30 minutes after the conclusion of the work. **IFC 3504.2.1**

A pre-hot-work check shall be conducted prior to work to ensure that all equipment is safe and hazards are recognized and protected. A report of the check shall be kept at the work site during the work and available upon request. The pre-hot-work check shall determine all of the following:

1. Hot work equipment to be used shall be in satisfactory operating condition and in good repair.
2. Hot work site is clear of combustibles or combustibles are protected.
3. Exposed construction is of noncombustible materials or, if combustible, then protected.
4. Openings are protected.
5. Floors are kept clean.
6. Exposed combustibles are not located on the opposite side of partitions, walls, ceilings or floors.
7. Fire watches, where required, are assigned.
8. *Approved* actions have been taken to prevent accidental activation of fire protection system equipment in accordance with [Sections 3504.1.8](#) and [3504.1.9](#).
9. Fire extinguishers and fire hoses (where provided) are operable and available.

Visible hazard identification signs shall be provided where required by chapter 50 of the International Fire Code. Where the hot work area is accessible to persons other than the operator of the hot work equipment, conspicuous signs shall be posted to warn others before they enter the hot work areas. Such signs shall display the following warning: **IFC 3503.6**

**“CAUTION
HOT WORK IN PROGRESS
STAY CLEAR”**