



City of
**LEMON GROVE FIRE
DEPARTMENT**

Fire Prevention Bureau

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Fire Department

Automotive Repair Garages Guideline

Purpose:

The intent of this guideline is to provide the minimum standards necessary for repair garages used for service or repair of motor vehicles in accordance with California Fire Code (UFC) Article 29 (2001 edition). Failure to comply with these standards shall be due cause for denial or revocation of required permits and filing for civil or criminal prosecution. The Fire Chief may waive any of these requirements upon receipt of alternate methods and materials that meet the intent of these standards.

Scope:

This guideline is applicable to structures used for business for the purpose of servicing or repairing motor vehicles. The information supplied by the applicant is also required to determine application of California Fire Code provisions and permit requirements. This information required herein allows the necessary precautions and safeguards to be taken to safely and effectively respond to an incident.

Guidelines:

The applicant shall provide three (3) sets of plans showing the following information, prior to a permit being processed. Specifically:

1. A site plan with the building location, property lines and emergency access roadways clearly shown
2. The area (in square feet) of the building, and/or tenant space for the repair garage
3. The occupancy classification per the California Building Code
4. The types of liquids and methods used for the cleaning of parts

5. Location of welding equipment and compressed gases
6. Location(s) of all fire extinguishers
7. Location and size of waste oil storage, and method of disposal
8. Type of container used for waste oil storage
9. Location of any exits and/or building openings
10. Whether or not the building is equipped with a fire sprinkler system

Requirements:

1. Class I or II liquids with a flash point less than 110° F shall not be used for any cleaning purposes, unless in a special closed machine or in a room meeting the requirements for a Group H, Division 2 occupancy.
2. Motor vehicle fuel tanks shall be filled directly through hose from an approved pump. Gasoline shall not be transferred in any open container, liquids drained from motor vehicles shall be handled as required for a Class I flammable liquid in accordance with CFC Article 79, per CFC 2902.2.1.
3. Garage floors shall drain to approved oil separators or traps discharging to the sewer in accordance with the Plumbing Code. Contents shall be collected periodically to prevent oil from being carried into the sewers. Spill control and secondary containment shall be provided per CFC 2901.3.2 and 7901.8.
4. Waste oil and rags shall be stored in approved metal, metal lined or other approved containers per CFC 2901.7.3.
5. Fixed appliances, ventilation and equipment shall comply with the provisions of the Building and Mechanical Codes.
6. All electrical devices, wiring, heating appliances or spark/flame producing equipment capable of igniting flammable vapors shall not be installed or used within 18 inches of the floor per CFC 2902.4.
7. Welding operations shall only be permitted in a Group H, division 4 occupancy per CFC 2901.7.2.
8. Motor vehicle fuel shall not be drained in a Group S, division 3 occupancy per CFC 2902.2.1. Dispensing of motor vehicle fuels shall be in accordance with CFC Article 52.
9. When Class I liquids or LP-gas are stored or used within a building having a basement or pit where flammable vapors could accumulate, the basement or pit shall be provided with ventilation designed to prevent the accumulation of flammable vapors per CFC 2902.5.1.

10. Containers and tanks containing a mixture of fuel and lubricating oil shall be stored and handled in accordance with the requirements of CFC Article 79 for Class I liquids, per CFC 2902.2.2.
11. Lubricating oil that has been drained from motor vehicles shall be stored and handled as required for Class III-B liquids in accordance with CFC Article 79.
12. Additional design requirements shall be satisfied for repair garages servicing vehicles fueled by LP-gas, CNG, LNG, hydrogen or other fuel source, per CFC 2903.
13. Repair garages that also dispense motor vehicle fuel shall meet the requirements of CFC Articles 52, 79 and 82, as appropriate.