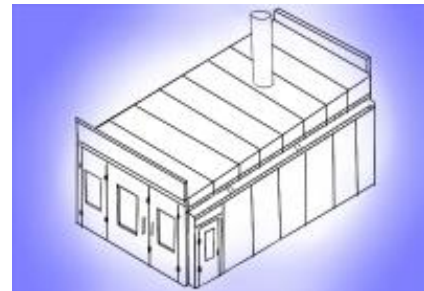


SPRAY BOOTH SUBMITTAL REQUIREMENTS

A building permit is required to either install a new or legalize a spray booth. Spray booths shall be constructed to meet requirements stipulated in Chapter 24 of the 2013 CFC. The size of a spray booth in a building shall be limited to 10% of the area of the building, the basic allowable floor area for Group H2 occupancy, or 1,500 sq. ft., whichever is the smallest.

Number of sets of plans required for initial submittal:

- Three sets of plans are required (one set will be routed to the Fire and Planning Departments).



Plans, drawn on 18' X 24' or larger paper, shall include the following:

1. Owner's name, address, and phone number.
2. All plans shall be wet-signed by a licensed design/build contractor or wet-signed and stamped by a licensed architect or engineer. Structural calculations (if required) shall be wet-stamped and signed by a California licensed architect, civil or structural engineer.
3. Provide a site plan showing the location of the building. Identify the location of the spray booth in the building and exhaust vent termination.
4. Provide a fully dimensioned overall building floor plan showing the proposed and any existing spray booths location and sizes, use of all rooms, and exit doors.
5. Specify the use, occupancy, floor area, and type of construction. If the proposed use differs from legally permitted use, state on the plan that in addition to the spray booth, the permit application is also for a change of use*.
6. Provide a roof plan showing spray booth exhaust outlet termination distance to the property lines, parapet wall(s), and indicate height above ground.
7. Provide spray booth elevations on the plans.
8. Provide spray booth panel construction details including panel attachment to concrete floor. Minimum thickness of paint booth steel panel is 18 gage for single-skin assemblies or 20 gage for double-skin assemblies (2013 CFC 2404.3.2.1).
9. Provide mechanical plans prepared by a licensed mechanical engineer or a design/build contractor (B&P Code 6737.3) including:
 - a) Make up air means to replenish air exhausted by the spray booth(s) (2013 CMC 505.3).
 - b) A minimum of six air changes per hour (2013 CFC 2404.9.3). The ventilation system shall be designed in accordance with 2013 CMC 505.0 & 506.0.
 - c) Detail of exhaust duct including duct size, gauge, clean out, supports, clearances, flashing, fire sprinkler, etc. (2013 CMC 506.0).
 - d) Detail of duct penetration at roof (6' min. height above roof line) and its clearance to combustible construction per 2013 CFC 2404.7.6 and 2013 CMC 506.9 & 506.7.
 - e) Roof framing detail at duct penetration.

- f) Notes that the mechanical system shall be interlocked with the spraying operation so that spraying will not occur unless the ventilation system is operating properly.
- 10. Provide electrical plans prepared by a licensed electrical engineer or a design/build contractor showing the following:
 - a) Single line diagram, conduit & conductor size, over current protection, disconnects, and panel schedule load calculation.
 - b) All metal parts of the spray booth, exhaust ducts, piping system shall be electrically grounded in accordance with electrical code.
 - c) Show the electrical hazardous zones types and locations and wiring methods in accordance with 2013 CEC Article 516.
- 11. Provide plumbing plans (if the existing or proposed use is auto repair) prepared by a licensed mechanical engineer or contractor showing that the floor will drain to an approved sand and oil interceptor discharging to sewer (2013 CPC 1017.1).

In addition to the above information shown on plans, the following two completed documents shall also be furnished to the Building Department when filing for a spray booth permit:

- a) Hazardous Material Disclosure Form (available at <http://www.ci.ontario.ca.us/index.cfm/28040/37630>).
 - b) SCAQMD's Air Quality Permit Checklist (available at <http://www.aqmd.gov/business/aqpermitchecklist.html>).
- Please note that projects with a spray booth cannot be finalized by the building inspector unless a clearance letter has been issued by AQMD for the spray booth.

The above information is only a guide and is not a complete list of the design requirements for spray booths. Refer to 2013 CFC Section 2404 for more detailed design requirements for spray booths.

**For any change of use permit application, a licensed architect shall provide a code analysis on the plan specifying the type of construction; maximum floor area allowed versus existing; sprinkler requirement; number of plumbing fixtures required versus existing; and the fire rating of all walls, window/door openings, structural frames, roof/floor construction, and shaft construction. If the code analysis indicates a need to upgrade existing building construction, plans and details shall be provided for the upgrade.*