



CONTRA COSTA COUNTY FIRE PROTECTION DISTRICT

SB

F.D. Project Number

Date

Description of Work: _____

Project Name: _____ Address: _____

Suite: _____ City: _____ Zip: _____

Contractor: _____ Contractor's License/Type #: _____

Address: _____ City: _____ State: _____ Zip: _____

Contact Person: _____ Phone No. (): _____ Email: _____

OFFICE USE ONLY: DO NOT COMPLETE BELOW THIS LINE

We have reviewed the proposed **spray booth plans** for the project facility. Our review is to ensure compliance with the minimum code requirements related to fire and life safety as set forth in the California Fire Code 2022, the California Mechanical Code 2022 and NFPA 33 2021. **Spray booth shop drawings and fire suppression shop drawing plans shall be submitted together but require separate permits.** The following selected comments shall apply to this project:

- Construction permit requirements shall include but not limited to; accurate site plan (to scale) and clearly indicate distance to property lines for the building and ventilation/exhaust terminations. Provide wall assembly construction type; rated, combustible (wood/sheetrock), non-combustible (masonry). Manufacturer specifications with third-party testing documentation (i.e. UL, ETL, FM, etc.). (CFC 105.6.22 and 2404)
- Plans shall indicate how and where mixing is accomplished. Provide construction method details and/or specifications for this "Mixing Room". (NFPA 33 8.3)
- Provide additional information with regard to mixing room requirements.
 - Spill containment.
 - Ventilation. (CFC 2404.7)
 - Electrical equipment installations for classified areas. (CFC 2403.2.1)
 - Fire protection system (CFC 2404.4), and
 - Portable (4A:40B:C) fire extinguisher. (CFC 2404.4.1)
- Locate spray booth to provide a clear space of not less than three (3) feet on all sides of the spray booth. This clear space shall be kept free of any storage or combustible construction. When exceptions are utilized, noncombustible sheeting shall be installed horizontally and vertically to prevent debris from accumulating in the reduced clear space. (CFC 2404.3.3.5)
- Mechanical ventilation shall be kept in operation at all times while spraying is being conducted and afterwards until vapors are exhausted. Spraying equipment shall also be interlocked with ventilation system such that spraying operations cannot occur without the ventilation system in operation. Provide schematic on plans, specifications, or installation manual to verify proper operation. (CFC 2404.7, 2404.8)

(CONTINUED OVER)

Fee computed by: _____ Amount Due: \$ _____

Received by: _____ Amount Received: \$ _____

Cash Credit Check No. _____ Invoice No. _____

- Exhaust ducts shall have a clearance from combustible material of not less than 6 inches, and ½ inch from combustible construction. (CMC 506.10.3)
- Spray booths and mixing rooms shall be protected by approved automatic fire extinguishing systems. Submit separately two (2) copies of automatic fire extinguishing system plans, calculations, and specifications to the Fire District for review and approval prior to installation. (CFC 2404.4, 903.3.1.1, 904.6)

If the building is protected by an automatic fire sprinkler system, the sprinkler system shall be modified and installed in the spray booth and associated exhaust ductwork. A separate electrically supervised control valve is required to control water supply to the new heads. Sprinkler heads shall be protected from residue in accordance with CFC 2404.5.2.

- The fire extinguishing system shall be connected to the building fire alarm system and/or sprinkler alarm & supervisory system, if provided, in accordance with the requirements of NFPA 72 submitted under separate permit. Activation of the system shall activate notification appliances, where provided, and shall monitored with the specific business name, address, or suite of the fire suppression system. CCCFPD Ordinance 2022-34
- Provide one minimum 4-A:40-B:C rated fire extinguisher within 30 feet of spray booth. Provide location on floor plans. (CFC 2404.4.1)
- Post conspicuous signs in the vicinity of spraying areas and mixing rooms with the following warning: (CFC 2403.2.6, 2403.2.7)

NO WELDING
The use of welding or cutting equipment in or near this area is dangerous because of fire and explosion.
Welding and cutting shall be done only under the supervision of the person in charge.
NO SMOKING OR OPEN FLAME

- Exhaust ducting material shall not be less than .044 mm or 18-gage steel. Termination point of exhaust duct shall be: (CFC 2404.7.6)
 - 30 feet from property lines;
 - 10 feet from openings in buildings;
 - 6 feet from exterior walls or roofs; and
 - 30 feet from combustible walls or openings into the building which are in the direction of discharge.
- Exhaust ducts shall be provided with doors, panels, or other means to facilitate inspection, maintenance, cleaning, and access to fire protection devices. (NFPA 33 7.10)
- Electrical wiring or equipment located within 3 feet of any opening shall be suitable for class I, Division 2, or Class II, Division 2 locations, whichever is applicable. Properly ground all metal parts of spray booth, exhaust ducts, and piping systems. (CFC 2403.2.1.3)
- Additional comments: _____

Approved plans, including calculations, **shall** be onsite at time of inspection. Failure to have approved plans onsite will result in the **cancellation of the inspection**, and a **reinspection fee** being assessed.

Contact the Fire District at **925-941-3300 ext. 3902** (minimum **two** working days' notice required) to schedule the **Spray Booth and Extinguishing System Functional Test** available Monday through Thursday excluding holidays.

On the morning of the inspection, a confirmation telephone call made to the Fire District at 925-941-3300 is necessary between 8:00 and 8:30 AM. Otherwise, the inspection will be cancelled.

Final acceptance is subject to field inspections and tests.

Approval does not relieve the designer / contractor from complying with all applicable fire code requirements, nor does it abrogate the requirements of other authorities having jurisdiction.

- Approved as submitted Approved with Comments Denied, Resubmittal Required

Reviewed by: _____ Date: _____