



# City of Huntington Beach

## Department of Planning & Building

### SPRAY BOOTH CORRECTION LIST

2000 Main Street, Huntington Beach, CA 92648  
Office: (714) 536 - 5241 Fax: (714) 374 - 1647

<b>PERMIT #:</b> _____	<b>ADDRESS:</b> _____
Date: _____	OWNER: _____
<b>Plan Checker:</b> _____	Contact Person: _____
Plan Checker Tel: _____	Contact Tel: _____
Description: _____	

#### INSTRUCTIONS

- Return red marked set with revised drawings to Robin Ortega (Permit Technician) 3<sup>rd</sup> floor City Hall.
- **Please see corrections on submitted plans. Red marked set must be returned with revised plans.** Plans resubmitted without the red markup set may result in delayed review time and additional plancheck fees.
- To expedite your project, please provide a written or oral response. Incomplete response may delay approval.
- Appointments need to be made prior to counter checks. Please call ahead to verify plan checker is available for the scheduled appointment.
- All substantial revisions or additions must be fully clouded with a revision mark.
- Two wet signed sets are required for permit issuance.

#### **PLEASE ADDRESS ALL CHECKED CORRECTION ITEMS BELOW**

#### APPROVALS

- Planning Department: Obtain Planning approval on the final plans prior to issuance of building permit. Call 714-536-5271 for status.
- Fire Department: Obtain Fire Department approval prior to issuance of building permit. Call 714-536-5411 for status.

#### GENERAL

1. Submitted plans and related documents are not complete. Additional reviewing time may be necessary upon re-submittal. Please submit complete plans for review. (App 106.1)
2. Plans are illegible and/or prints are to light/dark to microfilm. Provide clear legible plans for review.
3. Licensed architect or professional engineer wet stamp and signature is required on all sheets and calculations cover page. Company name, address and phone number must be on first sheet of calculations and on plans. Include project name and address. (App 106.1)
4. Show on title page of drawings:
  - a. Job address and name of owner.
  - b. Name and address of designer with wet signature.
  - c. List all floor areas including areas of the building, tenant space and new/existing spray booths
  - d. Building construction type and if building is fire-sprinklered
  - e. Occupancy classification
5. Plans shall be drawn to scale and of sufficient clarity (App 106.1), Recommended scales:
  - a. Minimum 11" x 17" size plans (ledger size) for archiving.
  - b. Site plans: 1/8" = 1'-0"; Floor Plans: 1/4" = 1"-0"; Framing plans: 1/4" = 1'-0"; Details: 1/2" = 1'-0"
6. Indicate use of all adjacent suites or spaces. Show any existing area separation walls, occupancy separation walls, shafts or rated corridors. Identify and provide construction details for new hourly fire rated walls. (App 106.1)

#### BUILDING OCCUPANCY AND AREA ALLOWED

1. Show that the total aggregate area of all spray booths do not exceed the lesser of:
  - 10% of the area of any floor of a building OR
  - The basic area allowed for a Group H-2 without area increases, as set forth in the CBC

The total aggregate area must meet this requirement to fall under the Exception #3 of Section 307.1 and not be classified in Group H. (Sec 416 & CFC 1504.3.2.6)

2. When spray booth aggregate area exceeds 10%, the new room(s) must comply with H2 occupancy requirements for deflagration hazards. Fire separations, location and explosion venting must meet requirements contained all construction codes. Additional corrections will be required.
3. Show on plans compliance with the following requirements of Section 416 of CBC:

#### **Spray Rooms:**

- ❑ Sec. 416.2: Spray rooms shall be enclosed with fire barriers with not less than a 1-hour fire-resistance rating. Floors shall be water proofed and drained in an approved manner.
- ❑ Sec. 416.2.1: The interior surfaces of spray rooms shall be smooth and shall be so constructed to permit the free passage of exhaust air from all parts of the interior and to facilitate washing and cleaning, and shall be so designed to confine residues within the room. Aluminum shall not be used.

#### **Spray Spaces:**

- ❑ Sec. 416.3: Spraying spaces shall be ventilated with an exhaust system to prevent the accumulation of flammable mist or vapors in accordance with the California Mechanical Code. Where such spaces are not separately enclosed, non combustible spray curtains shall be provided to restrict the spread of flammable vapors.
- ❑ Sec. 416.3.1: The interior surfaces of spraying spaces shall be smooth and continuous without edges; shall be so constructed to permit the free passage of exhaust air from all parts of the interior and to facilitate washing and cleaning, and shall be so designed to confine residues within the spraying space. Aluminum shall not be used.

#### **Fire Protection:**

- ❑ An automatic fire-extinguishing system shall be providing in all spray, dip and immersing spaces and storage rooms and shall be installed in accordance with Chapter 9 of CBC.

### **STRUCTURAL CODE ITEMS**

1. Provide the following structural information on the plans:
  - a. Show grade of lumber on plans.
  - b. Specify on the plans all building materials used to complete all work.
  - c. Provide the ICBO-ES ESR evaluation report number for the anchorage (i.e. shot pins, expansion bolts, etc.)
2. Reference all details to plans and omit ones that do not apply.
3. Roof or floor mounted equipment weighing 400 pounds or more must be shown on the structural framing plans and must be include in the structural analysis. Provide a design for anchorage to the building frame.

### **PART I. ADDITIONAL CORRECTIONS**

1. Provide a dimensioned floor plan to show location of all existing and proposed spray booths and roof/wall vents.
2. Provide the following notes on the plans:
  - a. Location of spray booth shall meet fire department standards.
  - b. All equipments to be listed & labeled by a recognized testing agency.
  - c. When spray booth aggregate area exceeds 10%, the new room(s) must comply with H2 occupancy requirements for explosion environments. Fire separations, location and explosion venting must meet requirements contained all construction codes.
  - d. Over cutting of plywood is not allowed.
  - e. Plans for all fixed fire protection equipment such as standpipes, sprinkler systems and fire alarm systems, must be submitted and approved by the Fire Department before this equipment is installed.  
(This requirement may increase the water demand to the site. Therefore, you must contact the Water Engineering Division of Department of Public Works for any questions regarding water supply 714-536-5921.)
3. Show location of exhaust vent location through roof or wall. Openings shall not be on a wall required to be protected due to location on property. See California Building Code Table 602. Openings through roof shall not be closer to a property line for openings not permitted due to location on property line.
4. Show how exhaust vent will be installed and braced.
5. Show vent wall clearances to combustibles.
6. Provide construction details to show all framing, supports, anchors, fasteners, bracing, weatherproofing, flashing and/or counter-flashing. All fasteners and metal braces exposed to weather must be galvanized coated or equal.
7. Framing at opening must be doubled headed and doubled joists.
8. All plywood to be re-nailed with 10d common nails at 3 inch on center spacing. Use staggered nailing with 2 X 4 flat blocking.
9. All opening locations must be reinforced with metal strapping. Provide a detail to show location, size and nailing of opening reinforcement.

