



Clark County Building Department

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Division:	Plans Examination	Policy & Procedure	BP-PP-047
Subject:	AUTO BODY SHOPS WITH SPRAY BOOTHS PLAN REVIEW POLICY	Effective Date:	07/15/2008
Code:	IBC and Clark County Fire Code	Revised Date:	01/14/2014

A. POLICY:

All auto body shops that apply spray finishes as part of their operation must first obtain a building permit, prior to applying for a spray booth permit from the Clark County Fire Prevention Bureau.

B. PROCEDURE:

1. In addition to all the other required documentation to be submitted for a building permit, 3 copies of a listed spray booth, along with 3 complete sets of plans must be submitted as part of the required documentation for a permit. The following information shall be submitted for spray applied finish operations within auto body shops. The most restrictive requirements of the International Building Code (IBC) and Clark County Fire Code (CCFC) shall apply.
 - a. The building must have an automatic sprinkler system per the 2010 Building Administrative of Code Clark County Section 22.02.170 (N) (4).
 - b. A hazardous material quantity list must be submitted to the Clark County Building Department (CCBD). The maximum amount of class 1B flammable liquid is 240 gallons for S-1 occupancies. Flammables in this class must be stored within an approved CCFD storage cabinet, or within an approved CCBD storage room. If the storage amount exceeds 240 gallons the building will be classified as an H-2 occupancy, per IBC Section 307.1, exception 2.
 - c. Provide a listed paint mixing room that complies with the requirements of the Clark County Fire Code Article 45, or design the space as an H-2 paint storage room, per the 2009 IBC.
 - d. The aggregate area of all spray booths in a building shall not exceed the lesser of 10 percent of the floor area of a building or the basic area allowed for a Group H Division 2 occupancy without area increases, as set forth in the building code. A maximum of 1,500 square feet per fire area is allowed. If the spray booth or combination of spray booths is more than 10 percent of the total floor area, the building must be classified as H-2 occupancy and a fire protection report will be required. The fire protection report must be prepared by a Nevada registered fire protection engineer. This requirement will not preclude one spray booth that exceeds the 10% floor area as long as the booth is 500 square feet or less, in accordance with the Clark County Fire Code.

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- e. At no time shall spray applied finishes be applied outside of the listed spray booth. In addition, the following statement must be placed on the plans and posted within the painting area: **“Spray applied finishes shall not be used outside of approved spray paint booth or mixing area.”**
 - f. Exit doors from pre-manufactured spray booths shall not be less than 2 feet 6 inches (30 inches) (762 mm) in width by 6 feet 8 inches (80 inches) (2032 mm) in height. **Please note any spray booth over 300 square feet will require 2 exits**, per CCFC and IBC Table 1015.1.
 - g. All portions of the spray booth shall be readily available for cleaning. In accordance with the Clark County Fire Code aA clear space of not less than 3 feet (914 mm) shall be maintained on all sides of the spray booth. This clear space shall be kept free of any storage or combustible construction, in accordance with the Clark County Fire Code.
 - h. Electrical wiring and equipment shall be designed in accordance with ~~the CCFC Section 4502.4.3~~ the Clark County Fire Code for Class 1 Division 1 and Class 1 Division 2 locations and the NEC Article 516 Spray Application, Dipping and Coating Process.
 - i. The mechanical ventilation system for the spray booth shall comply with the Clark County Fire Code and UMC Chapter 5, design of product-conveying ventilation systems.
2. Upon approval of the building permit, the applicant shall apply for a Fire Department spray booth permit. One (1) complete set of approved plans from CCBD must be submitted to the Fire Department. Please contact the Fire Department for additional submittal requirements.
 3. A Fire Department Inspection clearance is required before a Certificate of Occupancy will be issued.

Revision History:

POLICY #	TITLE	Effective Date	Revised	Reviewed
PE-PP-OPS-019	Auto Body Shops with Spray Booths Plan Review Policy	July 15, 2008		
BP-PP-047	Auto Body Shops with Spray Booths Plan Review Policy			August 15, 2008
BP-PP-047	Auto Body Shops with Spray Booths Plan Review Policy		January 14, 2014	

Approved by: Ronald L. Lynn Director	Concurred by: Gregory J. Franklin Assistant Director	Sam Palmer Assistant Director
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