



FIRE DEPARTMENT – CLASS 1 • FIRE AND ENVIRONMENTAL PROTECTION DIVISION  
500 Castro Street • City Hall • 4th Floor • Mountain View • California • 94041-2010  
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**PLAN CHECK REQUIREMENTS FOR  
LIMITED SPRAYING SPACE  
(Update – 1/17)**

The Fire and Environmental Protection Division of the Mountain View Fire Department (650-903-6378) will review your submitted plans using this plan check guideline.

Where appropriate, enter below the page number of your submitted plans where the item asked for is indicated and highlight the item in your plans. Include brochures, manufacturer's cut sheets, and calculations with the plans when asked for.

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**Facility**  
Name: \_\_\_\_\_ Address: \_\_\_\_\_

**Architect**  
Name: \_\_\_\_\_ Phone: \_\_\_\_\_ PC#: \_\_\_\_\_ Date: \_\_\_\_\_

**Applies To: An area in which operations for touch-up or spot painting of a surface area of nine square feet or less are conducted (spraying operations shall not be of a continuous nature).**

1. Spray booths and spray rooms shall be protected by an approved automatic fire extinguishing system complying with Chapter 9. Protection shall also extend to exhaust plenums, exhaust ducts, and both sides of dry filters when such filters are used (CFC 2404.4).
2. Positive mechanical ventilation providing a minimum of six complete air exchanges per hour shall be installed. Such systems shall meet the requirements of this code for handling flammable vapor areas (CFC 2404.9.3). *Attach manufacturer's cut sheets on the ventilation blower and highlight the appropriate sections.*
3. Electrical wiring and equipment in flammable vapor areas shall be Class I, Division I or Class II, Division I (CEC; CFC 2403.2.1). *Show this wiring on the plans.* Plan Page Number: \_\_\_\_\_.
4. No open flames or spark-producing devices shall be located within 20' of the spray area unless separated by a partition (CFC 2403.2.2). *Indicate which option will be used and if a partition is installed, include the specifications on the partition.* Plan Page Number: \_\_\_\_\_.
5. No space heaters, steam pipes, or other hot surfaces shall be located inside the spray area (CFC 2403.2.3). *Indicate this on the plans.* Plan Page Number: \_\_\_\_\_.

6. Electrical equipment, flammable vapor areas, or drying operations that are subject to splashing or dripping of liquids shall be specifically approved for locations containing deposits of readily ignitable residue and explosive vapors (CFC 2403.2.1.2). *Indicate the electrical equipment to be used inside the spray area and its approval.* Plan Page Number: \_\_\_\_.
7. Electrical equipment in flammable vapor areas located such that deposits of combustible residues could readily accumulate thereon shall be specifically approved for locations containing deposits of readily ignitable residue and explosive vapors in accordance with the California Electrical Code (CFC 2403.2.1.4). *Indicate any Class I, Division 1, electrical on the plans.* Plan Page Number: \_\_\_\_\_.
8. Electrical wiring within 10' of the floor and 20' horizontally of the limited spraying space shall be designed for Class I, Division 2 locations in accordance with the California Electrical Code (CFC 2404.9.4). *Attach manufacturer's specifications on all equipment used within 20' of the spray area. Verify that all wiring will meet the Class I, Division 1 specifications.* Plan Page Number: \_\_\_\_\_.
9. Spraying equipment shall be interlocked with the ventilation of the spraying area such that spraying operations cannot be conducted unless the ventilation system is in operation (CFC 2404.7.1). *Show the electrical schematics for the interlock between the spraying operation and ventilation system.* Plan Page Number: \_\_\_\_\_.
10. Electric motors driving exhaust fans shall not be placed inside exhaust ducts (CFC 2404.7.7). *Show the location of the electric motor for the exhaust fan on the plans.* Plan Page Number: \_\_\_\_\_.
11. Fan rotating elements shall be nonferrous or nonsparking or casings shall consist of or be lined with such material (CFC 2404.7.7). *Show the materials of construction for the fan and fan elements.* Plan Page Number: \_\_\_\_\_.
12. Exhaust ducting shall be constructed of steel (CMC 506.2). *Sheet metal thickness shall comply with CMC Tables 506.2(1) and 506.2(2). Show the exhaust duct thickness on the plans.* Plan Page Number: \_\_\_\_\_.
13. Ducts conveying explosive or flammable vapors, fumes, or dusts shall terminate at least 30' from the property line, 10' from openings into the building, 6' from exterior walls or roofs, 30' from combustible walls or openings into the building which are in the direction of the exhaust discharge and 10' above adjoining grade (CFC 2404.7.6). *Show these distances on the plans.* Plan Page Number: \_\_\_\_\_.
14. Exhaust ducts shall have a clearance from combustible construction of not less than 18" unless protection of exposed surfaces is provided in accordance with CMC Table 303.10.1. *Indicate the clearance provided and any protection applied to the combustible construction.* Plan Page Number: \_\_\_\_\_.
15. Exhaust ducts shall not include individual bends exceeding 45 degrees (CMC 506.3). *Show the exhaust ducts on the plans.* Plan Page Number: \_\_\_\_\_.
16. Cleanout openings shall be provided at intervals which allow thorough cleaning of ducts. Cleanout openings in ducts shall be equipped with tight-fitting sliding or hinged doors constructed of metal which is equal to or greater than the thickness of the duct or pipe. Such doors shall be equipped with a substantial latch to hold the door tightly closed. *Show the cleanout openings on the plans.* Plan Page Number: \_\_\_\_\_.

17. Provide at least one 4-A:40-B:C fire extinguisher within 30' of the spray area (CFC 2404.4.1).
18. A limited spraying space shall not be permitted in buildings used for Group A, E, I, and R occupancies (CFC 2404.2).