



Athens-Clarke County Fire & Emergency Services



3.1.5 Paint Spray Booth Plan Review Checklist

Reviewer: _____ Date: _____

Job Name: _____

Address: _____

City: _____ Zip: _____

Complex Name: _____

General Building Information

Construction Type: _____ Stories? Height (ft): _____

Company Name: _____ Phone: (____) ____ - ____

Contact Email: _____

State License # _____ Type of System:

- | | |
|--|-------------------------------------|
| <input type="checkbox"/> Automatic Wet | <input type="checkbox"/> Manual Wet |
| <input type="checkbox"/> Automatic Dry | <input type="checkbox"/> Manual Dry |

Sprinkler System: 13: ☐ 13R: ☐ N/A: ☐ Voice Evacuation Y: ☐ N: ☐ N/A: ☐

Fire Pump Present: Y: ☐ N: ☐ N/A: ☐ Special Locking Arrangements Y: ☐ N: ☐ N/A: ☐

Fire Alarm Present: Y: ☐ N: ☐ N/A: ☐

Review Date: _____ Approved or Disapproved

NOTE: The designer must complete the form before plans are reviewed.

700 College Avenue
Athens, Georgia 30601
(706) 613-3364

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GENERAL INFORMATION	OK	Absent
1. Correct Job name and address on drawings.		
2. Drawings must be scaled or indicate the dimensions.		
3. Key Plan: show the location of the proposed spray booth in relation to any adjacent structures.		
4. Show the top view of the drawing and include the location of walls, windows, and doors.		
5. Section/Elevation view showing all required offset measurements, including the exhaust and new spray area.		
6. Scope of Operations letter on company letterhead provided.		
BOOTH CONSTRUCTION		
7. Walls, doors, and ceilings that intersect or enclose a spray area shall be constructed of noncombustible or limited-combustible materials or assemblies and shall be securely and rigidly mounted or fastened. (NFPA 33 5.1)		
8. Interior surfaces of the spray area are smooth, designed, and installed to prevent pockets that can trap residues and designed to facilitate ventilation and cleaning. (NFPA 33 5.1)		
9. The floor of the spray area shall be constructed of noncombustible material, limited-combustible material, or combustible material that is completely covered by noncombustible material. (NFPA 33 5.1.2)		
10. Enclosed spray booths shall be provided with means of egress that meet LSC. (NFPA 33 5.1.4)		
11. Spray booths shall be separated from other operations by a minimum distance of 3 ft or by a partition, wall, or floor/ceiling assembly having a minimum fire resistance rating of 1 hour. (NFPA 33 5.5)		
12. A spray booth may be closer than 3ft to an exterior wall or a roof assembly, provided they are constructed of noncombustible material and the spray booth can be maintained and cleaned. (NFPA 33 5.5.2.1 Exception 2)		
SPRAY ROOM CONSTRUCTION		
13. Spray rooms shall be constructed of and separated from surrounding areas of the building by construction assemblies that have a fire-resistance rating of 1 hour. (NFPA 33 5.1.6)		
14. Spray rooms shall be provided with means of egress that meet LSC. (NFPA 33 5.1.7)		
BOOTH VENTILATION REQUIREMENTS		
15. The operating controls of the spray apparatus shall be arranged so that the spray apparatus cannot function unless the exhaust fans are operating and for a sufficient time thereafter to allow the vapors from drying coated objects or material and residues to be exhausted. (NFPA 33 7.2.3)		
16. The exhaust duct discharge point shall be at least 1830 mm (6 ft) from any exterior wall or roof. (NFPA 33 7.4)		

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FLAMMABLE AND COMBUSTIBLE LIQUIDS	OK	Absent
17. The volume of Class I, Class II, and Class IIIA liquids stored in a storage cabinet shall not exceed 120 gal. (NFPA 33 8.2.1)		
18. Mixing rooms shall meet all of the following requirements: (NFPA 33 8.3.3) a) The area of the mixing room shall not exceed 150 ft ² . (NFPA 33 8.3.3 (2)) b) The mixing room shall be designed to contain a spill of the contents in the room. (NFPA 33 8.3.3 (4)) c) The mixing room shall be provided with continuous mechanical ventilation capable of providing air movement of not less than 150 ft ³ per minute. The ventilation system shall be in operation at all times. (NFPA 33 8.3.3 (5)) d) The mixing room shall be provided with a portable fire extinguisher(s) located in accordance with NFPA 10. e) Threshold detail provided to meet safety requirements of LSC.		
19. The amount of liquid in a single spray area shall not exceed 60 gal. (NFPA 33 8.3.3)		
PROTECTION		
20. Spray areas, which include, by definition, any associated exhaust plenums and exhaust ductwork, any particulate filters, any solvent concentrator units, any recirculation air supply units, and mixing rooms, shall be protected with an approved automatic fire protection system. (NFPA 33 9.1)		
21. Automatic fire protection system shall be permitted to be and shall be installed in accordance with NFPA 13, NFPA 16, NFPA 12, NFPA 17, or NFPA 2001. (NFPA 33 9.1.3)		
22. The fire alarm and fire protection system shall be supervised in accordance with NFPA 72. (NFPA 33 9.1.4)		
23. Air make-up systems and spray area exhaust systems shall remain functioning during any fire alarm condition. (NFPA 33 9.2)		
24. An automatic sprinkler system shall be designed for Extra Hazard (Group 2) occupancies. (NFPA 33 9.6.2)		
25. The water supply shall be sufficient to supply all sprinklers likely to open in any one fire incident without depleting the available water for use in hose streams. (NFPA 33 9.6.3)		
26. Water for the automatic sprinkler system shall be permitted to be supplied from domestic water systems, provided the domestic supply can meet the demand for Extra Hazard (Group 2). (NFPA 33 9.6.4)		
27. The sprinkler system shall be controlled by a separate, listed indicating valve(s), operable from floor level. (NFPA 33 9.6.5)		

The above is not an all-inclusive list - Plans must meet all NFPA, International Fire Code, and State of Georgia requirements. Please refer to chapter 120-3-3, Rules and Regulations of the Safety Fire Commissioners' website.

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