



# CITY OF ABILENE FIRE MARSHAL'S OFFICE



250 Grape St. Abilene, TX 79601 (325) 676-6434 Fax: (325) 676-6673 [afdprev@abilenetx.gov](mailto:afdprev@abilenetx.gov)

## SPRAY BOOTH INSTALLATION SUBMITTAL GUIDELINE

The following comments are provided to assist the proponent. Additional requirements may apply.

### New Installation Plan Submittals

- Allow at least 10 business days to process all submittals and required permits.
- All submittals shall include a site drawing (indicate where the booth is to be located within the building, distances to any other buildings and property lines).
- Submit 1 copy of manufacturer's booth specifications.
- Separate permits for electrical and mechanical are required. Contact Building Inspection at 325-676-6232.
- Separate permit for fire suppression system is required.
- Submittals will not be accepted by parties that have a credit suspension with the City of Abilene Finance Department.

### Spray Booth Design Criteria

- The aggregate area of spray booths in the building shall not exceed the lesser of 10 percent of the floor area, 1,500 square feet or the basic area allowed for Group H-2 occupancy.
- Maintain a clear space, not less than 3 feet, on all sides of the spray booth.
- Post a warning sign stating:

NO SMOKING  
AND  
NO WELDING

THE USE OF WELDING OR CUTTING EQUIPMENT IN OR NEAR THIS AREA IS DANGEROUS BECAUSE OF FIRE AND EXPLOSION HAZARDS. WELDING AND CUTTING SHALL BE DONE ONLY UNDER THE SUPERVISION OF THE PERSON IN CHARGE.

- Calculations shall indicate that the average air velocity over the open face of the booth, or booth cross section in the direction of airflow during spraying operations, will not be less than 100 feet per minute.
- Submittal shall indicate that the termination point for exhaust ducts discharging to the atmosphere is not less than 30 feet from the property line; 10 feet from openings into the building; 6 feet from exterior walls and roofs; 30 feet from combustible walls or openings into the building that are in the direction of the exhaust discharge; 10 feet above adjoining grade.
- Submittal shall indicate that spraying equipment will be interlocked with the ventilation of the flammable vapor areas so that spraying operations cannot be conducted unless the ventilation system is in operation.
- Submittal shall indicate that electrical wiring and equipment in flammable vapor areas will be of an explosion proof type approved for use in such hazardous locations. Such areas shall be considered to be Class I, Division 1 or Class II, Division 1 hazardous locations in accordance with NFPA 70.

**Acceptance Testing**

- Acceptance testing will not be conducted until spray booth is signed off by a City of Abilene Building Mechanical Inspector and/or Electrical Inspector.
- Contact Fire Prevention at least 24 hours in advance to witness tests and inspect installation.
- Inspection times are normally Monday-Friday from 9:00am to 11:00am and 1:30pm to 3:00pm.
- The Abilene Fire Department does not schedule after hour inspections.
- Fire permit and Fire Department stamped drawings shall be at job site during all work related to fire extinguishing system.
- Natural gas and/or electric utilities shall be in service for applicable spray booth at time of extinguishing system acceptance test.



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## SPRAY BOOTH INSTALLATION PERMIT SUBMITTAL

250 Grape St. Abilene, TX 79601 (325) 676-6434 Fax: (325) 676-6673 afdprev@abilenetx.gov

Complete and return to the Abilene Fire Marshal's Office at least ten (10) working days prior to project start date. All submittals must include a site drawing (indicate where the booth is to be located within the building, distances to any other buildings and property lines). Submit 1 copy manufacturer's equipment specifications. Separate permits for electrical and mechanical may be required. Contact Building Inspection at 325-676-6232. Separate permit for fire suppression system is required.

Booth Installation Company:

Mailing / Billing Address:

City: State: Zip:

Installer's Name:

Phone: Email:

I understand the Abilene Fire Marshal's Office reviews plans for compliance with the Abilene Fire Code (2021 International Fire Code), NFPA and local policies. I understand statements made herein are true and correct to the best of my knowledge. I understand and agree to notify the City of Abilene Fire Marshal's Office of any changes in the written information in this application within five (5) working days from the date such change occurs. Furthermore, I agree to pay all permit fees associated with this application.

Signature: Date:

Business name where spray booth is to be installed:

Address:

New Installation:  Modification:

Permit fee: \$50.00 Enclosed: Invoice:

### DO NOT WRITE BELOW THIS LINE

Date Received: Submittal Approval: Yes No

Plans Examiner: Date Permit Issued :