



**I. Objective:** To establish a procedure and guideline for the submittal and review of spray booths.

**II. Guidelines:**

- Spray booth installations must meet the requirements of the city's Zoning Regulations when installed on either the interior or the exterior of the facility, to comply with location and use of the property.
- All spray booth installations must meet the requirements of the following current adopted code provisions:
  - International Fire Code (IFC)
  - International Mechanical Code (IMC)
  - National Electrical Code (NEC)
  - International Building Code (IBC)
  - International Fuel Gas Code (IFGC)
  - National Fire Protection Association (NFPA)
  - Zoning Ordinance of Phoenix, Arizona.

Additional information:

- All spray booth installations shall obtain a construction permit from the Phoenix Fire Department and building permit from the Planning & Development Department. The Phoenix Fire Department Construction permit shall be obtained prior to issuance of a Planning and Development Department building permit.
- Provide a copy of the Hazardous Material Inventory Statement (HMIS) with plans submitted to Phoenix Fire and Planning & Development Departments.
- A complete plan submittal is required for a spray booth project to be logged into the Planning & Development Department for plan review; however deferred submittals may be allowed when submitted according to the administrative provisions of the IBC and city regulations.
- Free-standing spray booths installed on the interior or exterior of a facility may be considered as an appliance subject to the requirements of NEC.
- If the installation of a spray booth changes the occupancy of a building or facility, plans must be submitted for that building or facility that demonstrate compliance with the new occupancy classification.
- Plan review and Permit fees are based on the total valuation of the project. Refer to the current Planning & Development Department Fee Schedule for further information.

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For more information or for a copy of this publication in an alternate format, contact Planning & Development at 602-262-7811 voice or TTY use 7-1-1.

### III. General Plan Requirements:

#### Site Plan Requirements:

- Specify address and zoning of the property (Site Plan approval required for both interior and exterior use)
- Provide a fully dimensioned scaled site plan to scale (Engineering scale).
- Identify the property lines with dimensions.
- Provide the dimensions between the buildings/structures and the property lines.
- Show streets and alleys.
- Show location of all structures on parcel, and dimension distances to property lines from each structure.
- Show the location of the spray booth. If exterior, show dimensions from property lines and adjacent buildings. If located inside the building, show the location of the exhaust hood and the distance from the edge of the exhaust hood to the property line(s).
- Show that rooftop equipment is screened to the height of the highest piece of equipment and/or integrated with the building design.
- State the occupancy classification, type of construction, and square footage of each building per IBC Chapters 3 through 6.
- Show parking spaces and accessible parking and provide calculations.
- Show fire hydrant and fire lane locations.

#### Structural Plans Requirements:

- Submit structural plans and calculations sealed by an Arizona Registrant for any building/structural alterations due to the installation of a spray booth or the spray booth by itself per IBC, Chapter 16.
- Provide structural plans for foundation on exterior installations.

#### Floor Plan Requirements (of building housing spray booth):

- Provide drawings to scale showing the size and use of each room.
- Show door and window locations and sizes. Identify exits.
- Show location of spray booth(s) and provide dimensions to all adjacent walls.
- Clearly identify the use of each room containing a spray booth.
- Show Mechanical, Plumbing (Gas), and Electrical layouts. (Arizona Registrant Seal required)
- Need elevation view of equipment to determine screening requirements.

#### Mechanical/Plumbing Plan Requirements:

- Show complete ventilation of spray booth. Exhaust fans, ducts, discharge, termination and all associated clearances per IMC Chapter 5.
- Provide a gas isometric with total BTU's, developed length of pipe, pressure range and pipe sizing per IFC, Chapter 4.

- Provide locations of gas shut-off valves, sources of combustion, air to gas appliances, products of combustion, venting locations and flue material per IFGC, Chapters 3, 4 & 5 and IMC, Chapter 5.
- Document that spraying equipment will be interlocked with the ventilation system of the spraying area per IMC, Chapter 5.
- Specify type of spray booth. And provide equipment specifications. An Arizona Registrant's seal is required on the plans.
- Provide a Special Mechanical/Plumbing Observation Certificate sealed by an Arizona Registrant for the assembly of the spray booth documenting compliance with the listing.

**Electrical Plan Requirements:**

- Provide engineered plans sealed by an Arizona Registrant for all electrical work associated with the installation of the spray booth. Indicate classified areas.
- Provide load calculations, fault current calculations, panel schedules, and a one-line diagram.
- Spray booth Installations shall demonstrate compliance with NEC, Article 516.
- Provide an Electrical Observation Certificate sealed by an Arizona Registrant for the assembly of the spray booth documenting compliance with the listing of the spray booth.