



Natrona County Fire Protection District

Office of the Fire Marshal

555 N Robertson Road · Casper, WY 82604
Phone (307) 234-4679 · Fax (307) 265-0353

Spray Booth/ Mix Room Submittal Requirements

(IFC 2024 and 2021 NFPA 33 Standards)

As of January 1st 2026:

GENERAL SUBMITTAL REQUIREMENTS:

1. Name and address of owner, address and location of system.
2. Name and address of fire protection designer/contractor.
3. Plans shall include a graphical scale, or be clearly dimensioned.
4. Hazards including, materials, location and arrangement and the exposure to the hazard.
5. Equipment location drawings of the actual configuration to include:
 - a. Location(s) of spray rooms, booths, mixing/storage areas in relation to the interior/exterior layout.
 - b. Location(s) of all means of egress (exits).
6. A full equipment listing.
 - a. Manufacturer documentation for all parts and materials used in the project.
This is to include all UL or ETL listings and evaluations, etc.

Owners Information Certificate must be filled out

INSTALLATION REQUIREMENTS:

1. In A, E, I or R occupancies, all areas used for spray finishing *shall* be protected with an approved automatic sprinkler system and separated from other areas in accordance with the current adopted International Building Code.
2. All spray booths and spray rooms *shall* be protected by an approved automatic fire suppression system in accordance with the current adopted International Fire Code with amendments.
3. Fire extinguishers *shall* be provided in accordance with IFC Section 906 for an extra (high) hazard occupancy.

SPRAY BOOTH MINIMUM REQUIREMENTS (include but not limited to):

1. Design and construction of the spray booth *shall* be in accordance with section IFC 2404 and NFPA 33. At a minimum, spray booths shall be constructed of approved noncombustible materials in accordance with Section 2404.
2. Area of the spray booth *shall* not exceed 10 percent of the floor area. (exception - a single spray booth not exceeding 500 sq. ft.)
3. Minimum of 3 ft. clearance is required around all sides of booth.
4. Ventilation for the spraying and drying operations shall be in accordance with the current adopted International Mechanical Code and IFC Section 2404.7



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5. A minimum air velocity of 100 feet per minute shall be provided across the spray booth cross section during operation.
6. Air filters shall be *listed* Class 1 or 2 in accordance with UL 900.
7. All electrical wiring shall be in accordance with NFPA 70 and NFPA 33
8. A minimum of one manual fire alarm and emergency system shutdown shall be readily accessible to personnel within the area of the spraying operations.
9. Fire suppression protection shall extend to exhaust plenums, exhaust ducts, and both sides of dry filters where such filters are used.
10. Provide the total amount of flammable/combustible paint materials to be within the paint mixing or storage room.
11. Any other requirements of the current adopted International Mechanical Code, International Building Code, and International Fire Code, not listed within this guideline shall also be met.

SPRAY ROOMS REQUIREMENTS:

1. When approved, spray rooms shall be constructed in accordance with the International Building Code. Flooring shall be non-sparking and non-combustible. All walls, floors and ceilings shall be protected by minimum 1-hour rated construction.
2. All of the above requirements shall also apply to spraying rooms unless otherwise noted in the IFC Chapter 24.

Permit Fees: Are based off the *per system* proposed in the paint booth/spray/Mix room suppression system; see NCFPD Fee Schedule prior to submittal.

OWNER'S INFORMATION CERTIFICATE CHECKLIST



The following content is from Figure A.28.1(b) in NFPA® 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition.

Name of property:			
Address:	City:	State:	Zip Code:
Name of owner:			
Existing or planned construction is:		Describe the intended use of the building:	
☐ Fire resistive or noncombustible ☐ Wood frame or ordinary (masonry walls with wood beams) ☐ Unknown			

Note regarding speculative buildings: The design and installation of the fire sprinkler system is dependent on an accurate description of the likely use of the building. Without specific information, assumptions will need to be made that will limit the actual use of the building. Make sure that you communicate any and all use considerations to the fire sprinkler contractor in this form and that you abide by all limitations regarding the use of the building based on the limitations of the fire sprinkler system that is eventually designed and installed.

Is the system installation intended for one of the following special occupancies:

Y	N	Special Occupancies	Y	N	Special Occupancies
☐	☐	Aircraft hangar	☐	☐	Airport terminal
☐	☐	Fixed guideway transit system	☐	☐	Aircraft engine test facility
☐	☐	Race track stable	☐	☐	Power plant
☐	☐	Marine terminal, pier, or wharf	☐	☐	Water-cooling tower

If the answer to any of the above is "yes," the appropriate NFPA standard should be referenced for sprinkler density/area criteria.

Indicate whether any of the following special materials are intended to be present:

Y	N	Special Materials	Y	N	Special Materials
☐	☐	Flammable or combustible liquids	☐	☐	Compressed or liquefied gas cylinders
☐	☐	Aerosol products	☐	☐	Liquid or solid oxidizers
☐	☐	Nitrate film	☐	☐	Organic peroxide formulations
☐	☐	Pyroxylin plastic	☐	☐	Idle pallets

If the answer to any of the above is "yes," describe type, location, arrangement, and intended maximum quantities.

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CERTIFICATE CHECKLIST *Continued*

Indicate whether the protection is intended for one of the following specialized occupancies or areas:

Y	N	Occupancy or Area	Y	N	Occupancy or Area
☐	☐	Spray area or mixing room	☐	☐	Class A hyperbaric chamber
☐	☐	Solvent extraction	☐	☐	Cleanroom
☐	☐	Laboratory using chemicals	☐	☐	Incinerator or waste handling system
☐	☐	Oxygen-fuel gas system for welding or cutting	☐	☐	Linen handling system
☐	☐	Acetylene cylinder charging	☐	☐	Industrial furnace
☐	☐	Production or use of compressed or liquefied gases	☐	☐	Water-cooling tower
☐	☐	Commercial cooking operation	☐	☐	

If the answer to any of the above is "yes," describe type, location, arrangement, and intended maximum quantities.

Will there be any storage of products over 12 ft (3.7 m) in height?

Yes No

If the answer is "yes," describe product, intended storage arrangement, and height.

Will there be any storage of plastic, rubber, or similar products over 5 ft (1.5 m) high except as described above?

Yes No

If the answer is "yes," describe product, intended storage arrangement, and height.

Is there any special information concerning the water supply?

Yes No

If the answer is "yes," provide the information, including known environmental conditions that might be responsible for corrosion, including microbiologically influenced corrosion (MIC).

Determine and confirm the water supply including any necessary adjustments:

CERTIFICATE CHECKLIST *Continued*

Is seismic protection required?

Yes

No

Provide design spectral response acceleration at short periods (S_{DS}):

I certify that I have knowledge of the intended use of the property and that the above information is correct.

Signature of owner's representative or agent: _____ Date: _____

Name of owner's representative or
agent completing certificate (print): _____

Relationship and firm of agent (print): _____



This information is provided to help users navigate NFPA 13, *Standard for the Installation of Sprinkler Systems*, 2025 edition. It is not intended to be a comprehensive list of requirements under NFPA 13. Check with the local jurisdictions for specific requirements. This material does not represent the official position of NFPA or its technical committees on any referenced topic, which is represented solely by the NFPA documents in their entirety. For free access to the complete and most current version of all NFPA documents, please go to nfpa.org/docinfo. NFPA disclaims liability for any personal injury, property, or other damages of any nature whatsoever resulting from the use of this information. In using this information, you should rely on your independent judgment, and when appropriate, consult a competent professional.

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