



Fire Department | 14321 O'Connell Road, Savage, MN 55378 | jbresnahan@cityofsavage.com

Please include the following checklist items with your application. Providing complete and accurate information is essential for timely review. Only complete application submittals will be reviewed. To ensure your application is complete, **please include the following with your submittal:**

Fire Suppression systems shall be designed and installed per the adopted Minnesota State Fire Code (MSFC) requirements and the current edition of NFPA 13, 13R or 13D. Contractors shall be familiar with the MN amendments to the adopted International Fire Code (IFC).

Permit Application

A permit is required and shall be obtained before starting the installation of the following:

- Installation of new sprinkler systems
- Relocating or adding heads
- Replacement or relocation of 12 sprinkler heads or more (or 10% of the building system), drawings are required

Plans and Cut Sheet

- Attach an electronic copy of plan drawings. Plans must include scale used (not less than 3/16th " = 1").
- Hydraulic calculations.
 - Hydraulic design information must include allowable storage height and aisle width. Indicate which section and figures of NFPA 13 were used to determine density requirements.
- Technical/data sheets are required on all devices

Additional Documentation (Only for system alterations)

- Yearly current annual sprinkler system inspection and testing documents.
- Yearly current annual fire alarm system inspection and testing documents.
- Yearly current annual portable fire extinguisher inspection and testing documents.

Coverage

NFPA 13 standards are followed unless 13-R or 13-D specifically apply and are approved

Where Apartment/hotel style residential buildings must be designed per NFPA 13 standards.

- Coverage must be provided in bathrooms and closets.
- Linen-style closets with shelving and with a size of 24 square feet or less.
- Attics are required to be sprinkled.
- Relief valves are required on wet pipe systems of not less than ½" in size and set to operate at 175 psi and installed downstream of check valves.



NFPA 13R systems: No reduction in construction requirements, access, or water supply is allowed

- Sprinklers not required in bathrooms that do not exceed 55 sf. or closets of 24 sf or less.
- Required beneath overhead doors and stairways.
- Sprinklers are not required in concealed combustible spaces and attics

Post Indicator Valve (PIV)

- Yard PIV must be located a minimum distance of 1 ½ times the height of the building away from the structure.
- Wall or yard PIV must be installed when there is no outside access to the riser room.
- A tamper switch is required.
- Alarm supervision is required
- Wall PIV (WPIV) allowed. The location shall be approved by AHJ.

Hydrants, Fire Department Connection (FDC)

- Hydrant required within 100 feet of FDC and within 400 feet of all points of building perimeter.
- Hydrant (s) must be accessible to fire equipment
- A double connection (1 - 5" & 2 - 2 ½") is required.

Wet Systems

- Inspector's test valve must be labeled and accessible.
- The control valves must be labeled and accessible.
- Specifications are required for sprinkler heads to be installed.
- Tests required: Hydrostatic (2 hour/200 psi or 50 psi over static, whichever is greater), Main drain, Flow test
- Relief valve, at least 3/4th", are required on all wet pipe systems and must operate at 175 psi

Dry Systems

- Air Compressor must be designed with a storage tank.
- Air pressure must be regulated by an approved air maintenance device.
- A high and low air pressure alarm is required.
- The electrical power supply for the air compressor must be wired directly to the electrical supply, with the circuit breaker secured.
- Alarm piping connected to a pressure switch must be equipped with a valve that is designed to accept a tamper switch or be secured by a lock
- Specifications are required for sprinkler heads to be installed.
- Tests required: Hydrostatic, Pneumatic, and Trip test.
- The valves must be labeled and accessible

Main Drain

- The valve must be labeled and must discharge to the building's exterior.



Miscellaneous

- The external horn/light device must be strobe style (not bulb style).
- Multi-family units larger than two units require an outside horn/light on the address side of each individual unit.
- An Interior alarm horn, if required, must be installed in a typically occupied area.
- Tamper switches are required on all control valves, including the PIV.
- Piping that is disconnected or abandoned during renovation must be removed.
- Before scheduling a full function test/inspection with the Savage Fire Department, the installer shall test all devices, system components, and functions to 100%.
- Sprinkler contractor will coordinate with fire alarm contractor for full function test/inspection.
- Per NFPA 13, the sprinkler contractor must provide the building owner with a copy of NFPA 25.
- A permanent map is located in the FACP and sprinkler control room. This map should show all control valves and drains. The map shall show the sprinkler zones and where the control valve is located for that zone.
- For cooking hood systems, see COOKING HOOD REQUIREMENTS (a separate document)

Note: The Savage Fire Department requires copies of the contractor’s annual inspection reports within 45 days of the inspection date. Permit or work orders (as applicable) are required for documentation that the deficiencies have been corrected

Keyholder Information – Please list three persons that may be contacted in case of an emergency:

Contact Name: _____ Phone Number: _____

Contact Name: _____ Phone Number: _____

Contact Name: _____ Phone Number: _____

KEYHOLDER DATA PRIVACY INFORMATION

You are being asked to provide keyholder information on this form for the purpose of expediting city services to your business. Supplying all the information will help us to more effectively provide you and your business with services. Participation in providing this information is voluntary, and you are not required by law to furnish any of the keyholder information. The following keyholder information listed on this form is classified as private data under the Minnesota Government Data Practices Act. Private data is that information which is available to you but not to the public.

- any reference to any hazardous substances on the premises;
- any reference to alarm systems or to alarm companies;
- names, addresses, and phone numbers of persons listed on the alternate/after-hours phone numbers.

You should know that any of the information you provide, if classified as public data, may be provided to other entities and individuals. These entities and individuals may include other agencies of governmental units, or individuals requesting public information the City of Savage maintains as businesses, such as business name, phone number, or business owner.



CITY OF
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MINNESOTA

Fire Suppression System Checklist

Plans will be reviewed and approved by the Fire Department. Review time will vary, but in all cases permit applicants should allow at least two weeks of plan review time if application and submittals are accurate and complete. Submitting incomplete plans and documents will cause delays to the review process.

I acknowledge that the items checked on the list above are included on or with the submitted plans:

Contact Name: _____ Contractor: _____

Phone Number: _____ Email: _____

Signature: _____ Date: _____