Department of Building Safety
101 4th St E, Hastings, MN 55033
Phone: 651-480-2342
Email: Building@Hastingsmn.gov
www.hastingsmn.gov

Fire Suppression Worksheet

Building Information		
Building address		
Building or Project Name		
Approx. Fire Suppression Work Start Date	Value of Contract	
Suppression Contractor		License No.
Suppression Project Manager		Phone No.
Email Address		
Suppression Project Designer		Phone No.
Email Address		

Building Description	
Approx. Footprint Size	Number of Stories
Type of Construction per MSBC	Roof slope and ceiling construction
Use or Occupancy of the building	

NFPA Standards Used in Design (check all that apply)

☐ NFPA-13 ☐ NFPA-13D ☐ NFPA-14 ☐ NFPA-20

☐ NFPA-13R (Submit copy of signed "13R Sprinkler System and Building Compatibility form"

Edition of NFPA standards used	Other NFPA standards used

Type of System: ☐ Wet ☐ Dry ☐ Pre-Action ☐ Fire Pump ☐ Standpipes

Storage (Check all that apply)		
☐	High-piled combustible storage	fill out section for high-piled storage
☐	Flammable or combustible liquids use or storage	attach detailed information
☐	Hazardous materials use or storage	attach detailed information
☐	Owner's Certificate required	complete page 5

Water Supply		
Date of flow test	Location of Pressure Gauge	Location of Flowing Hydrant
Static Pressure	Residual Pressure	GPM Flowing

Size of City Main Supplying System	Size of Underground Lead-In

Is the lead-in a combined fire/domestic main? ☐ If yes, size of domestic line _____

Is there a fire pump? ☐ If yes, the pump capacity: _____ and pressure boost (PSI) _____

Type of pump driver: ☐ Electric ☐ Diesel ☐ Other: _____

Does combined city static pressure and pump churn pressure approach or exceed 175 PSI? ☐

Detailed Narrative

Note: For alterations to existing systems, either provide the information above or provide a copy of a recent pump test, the original flow test data, or the design to match the original system design.

High -Piled Combustible Storage		
Height of Storage	Ceiling Height	Clearance from storage to deflector

Material being stored (describe)

Commodity Class

list the two most hazardous with quantities greater than two pallet loads in the storage area

Commodity	Packaging		
	Cartoned; loose	Cartoned; banded	Encapsulated or Open-Top Containers

Storage Methods (mark all that apply)

Storage Type:

☐	Automated Storage	☐	Carousel	☐	Shelf Storage
☐	Bin Box	☐	Rack Storage		
☐	Solid Pile with Commodity on Pallets	☐	Solid Pile		

Rack Type:		Pallets:	
☐	Single Row	☐	Wood
☐	Double Row	☐	Plastic
☐	Multiple Row	☐	Other:

Longitudinal Flue Size	Transverse Flue Size	Aisle Width

Suppression Design Information

Provide the following information for each design area:

Hazard Class	System Type	Area Description	Density Area
1)			
2)			
3)			
4)			
5)			
6)			
7)			
8)			
9)			
10)			

For each area listed above, provide the following detailed design information:

Code Section#	Tables	Curves	Figures	Reduction (%)	Due to	Increase (%)	Due to
1)							
2)							
3)							
4)							
5)							
6)							
7)							
8)							
9)							
10)							

Pipe and Fittings

Pipe:

- ☐ Copper ☐ Schedule 40
- ☐ Steel
- ☐ Thin wall-Type: _____
- ☐ Plastic-Brand: _____

Pipe Joints:

- ☐ Grooved ☐ Threaded
- ☐ Plain End ☐ Other: _____

Fitting Type:

Hydraulic Calculations

- ☐ Calculations are provided with this submittal.
- ☐ Calculations are not provided. You must explain below in detail why calculations are not required as part of this design. Provide detailed documentation supporting the explanation, which may include existing sprinkler plans and calculations, hydraulic data plate information, etc.

_____

_____

_____

_____

- ☐ Extend coverage sprinklers are to be installed on this project. The plans show, in the sprinkler legend or separate table, the area of coverage and deflector distance for each extended coverage head.

Additional Comments

To the best of my knowledge, the information I provided is complete and accurate.

Signature: _____ Date: _____

Printed Name: _____ Phone: _____

Owner's Information Certificate

Address of Property to be Protected with Sprinkler Protection

Name of Owner

Construction Type

- ☐ Fire Resistive or Noncombustible
- ☐ Other: _____
- ☐ Wood Frame or Ordinary (Masonry with wood beams)

Material Storage

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

- ☐ Flammable or combustible liquids
- ☐ Aerosol Products
- ☐ Nitrate Film
- ☐ Pyroxylin Plastic
- ☐ Compressed or liquefied gas cylinders
- ☐ Liquid or solid oxidizers
- ☐ Organic peroxide formulations
- ☐ Idle pellets

If checking any of the above, describe in detail: type, location, arrangements, and intended maximum quantities.

Will there be any storage of products over 12 feet (3.6m) in height? ☐ Yes

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

Will there be any storage of plastic, rubber, or similar products over 5 feet (1.3m) high except as described above?

☐ Yes

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

Specialized Occupancies

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

- ☐ Acetyle Cylinder charging
- ☐ Class A hyperbaric chamber
- ☐ Cleanroom
- ☐ Commercial cooling operation
- ☐ Incinerator or waste handling system
- ☐ Industrial furnace
- ☐ Laboratory using chemicals
- ☐ Linen handling system
- ☐ Oxygen fuel gas for cutting or welding
- ☐ Production or use: compressed liquefied gas
- ☐ Solvent extraction
- ☐ Spray area or mixing room
- ☐ Water cooling tower

If any above is checked, describe in detail: type, location, arrangements, and intended maximum quantities.

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

Signature: _____ Date: _____

Printed Name	Contractor Business Name

13R Sprinkler System and Building Compatibility

Project Address
Project Name

Important Information

It has been proposed that the sprinkler system for this project be designed to NFPA 13R.

IFC code and commentary Section 903.1 states that unless specifically allowed by the code or the IBC, residential sprinkler systems installed in accordance with NFPA 13R are not recognized for reductions or exceptions permitted by other sections of this code or the IBC.

As the architect of record, your signature certifies that the sprinkler system that is to be installed in this building has not been used for exceptions or reductions permitted by the following sections of the MNBC 307.1; 403.3; 504.1; 506.1; 507.1; 508.1; 708.8; 706.8; 708.3; 711.2.4.3; and tables 307.1(1), 307.1(2).

The review of the fire sprinkler plans, if designated to NFPA 13R, will not be done until the signed form is returned.

Signature		Date
Printed Name	MN Architect License #	Expiration Date
Architectural Firm		Phone Number
Address		

City	State	Zip