

Fire Suppression System-Plan Review Information

Nebraska State Fire Marshal



246 S 14th Street, Ste 1 Lincoln, NE 68508
Phone: (402) 471-2027 Fax: (402) 471-3118

This form is to be completed in addition to the Plan Submittal Application

General

Name of facility: _____

Facility address: _____ City/County: _____

Phone number and/or contact at job site: _____

Sprinkler Contractor: _____ Contractor phone: _____

Contractor license number: _____ Contractor fax: _____

Name of person responsible for design: _____

Scope of Work

Provide a description of the work to be completed:

Provide a description of the facility (i.e. non-combustible 3-story office with retail stores on ground floor):

Does the design involve a partial system or a variance/deviation from Title 153 Chapter One Nebraska State Fire Code Regulations (include written documentation or copy of orders)? If so, explain:

Water Supply

Municipal water supply? Yes _____ No _____

Water supply data: Static _____ psi Residual _____ psi Flow _____ gpm

Date of test: _____ Location: _____

Municipal underground main size: _____ Circulating or dead end: _____

Size of supply line into building: _____ Fire pump? Yes _____ No _____

Pump capacity: _____ Type of driver: Electric _____ Diesel _____ Other _____

Reservoir or tank? Yes _____ No _____ Describe: _____

Does the water supply include a pond, pool, or well? Yes _____ No _____

If yes, explain: _____

Standards used for the design (check all that apply)

NFPA 13 _____ NFPA 13 R _____ NFPA 13D _____ NFPA 230 _____

Other: _____

Does the design include the protection of high-piled combustible storage? Yes _____ No _____

If yes, complete the back of this information sheet covering high-piled combustible storage.

Storage Method
Storage Classification
Commodity Classification
Protection

High-piled combustible storage is storage of combustible materials in closely packed piles or combustible materials on pallets, in racks or on shelves where the top of storage is greater than 12 feet in height. It also includes certain high-hazard commodities, such as rubber tires, Group A plastics, flammable liquids, idle pallets and similar commodities, where the top of storage is greater than 6 feet in height.

Is solid pile storage being used? Yes _____ No _____ Storage height: _____
Ceiling / Roof height: _____ Ceiling / Roof construction: _____
Is rack storage being used? Yes _____ No _____ Storage height: _____
Ceiling / Roof height: _____ Ceiling / Roof construction: _____
Single, double or multiple row rack? _____
Horizontal flue width: _____ Longitudinal flue width: _____ Aisle width: _____
Are solid shelves, grates or slats used in the rack (if yes, explain)? _____
Are other storage methods such as bin-box, hanging garments, automated, or carousel used? _____
Is banding or encapsulation of the commodity used (if yes, explain)? _____

Describe in detail what is being stored:

Does the storage involve limited quantities of Group A plastics in mixed commodities? If yes, what is the final commodity classification based on: _____

For high-piled storage with a mix of commodities, provide information on the three most hazardous commodities that are stored in quantities greater than two pallet loads in the building:

1. _____ Quantity: _____
2. _____ Quantity: _____
3. _____ Quantity: _____

Describe in detail the commodity classification used for design:

If the system design is not based on the most hazardous commodity listed above, explain why:

Describe in detail the sprinkler protection for the high-piled combustible storage. Include information on the design standard, Section or Table numbers, ceiling sprinkler density, type of sprinkler head etc:

Is smoke and heat removal (venting) provided?