



# New Hope Borough Office of the Fire Marshal

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## Fire Sprinkler Cover Sheet

Project Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Address/Location: \_\_\_\_\_ System #: \_\_\_\_\_  
Contractor: \_\_\_\_\_ Designer: \_\_\_\_\_  
Contact: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

### Project Type:

- New                       Resubmittal                       Tenant Improvement                       Upgrade  
 Remodel                       Addition                       Other: \_\_\_\_\_

### Required Information (As Applicable)

Test/Remote (Name of Area/Plan Sheet): \_\_\_\_\_

### Construction

- Unobstructed       \*Obstructed (Refer to page 2 and give reference/type per A.3.7.1)  
 Combustible       Non-Combustible

### System Type

- Wet                       Dry                       Gridded                       Looped  
 Circulating Closed-Loop       Deluge                       Dry Pipe Preaction                       Other: \_\_\_\_\_  
 Antifreeze: Solution Type \_\_\_\_\_ Capacity (gpm) \_\_\_\_\_

### Hazard

- Light       Ordinary Grp 1       Ordinary Grp 2       Extra Grp 1       Extra Grp 2       Special

### Other

Storage:                       High Piled/Rack (see below)       Misc. Storage       Plastics       Other: \_\_\_\_\_

Area of Sprinkler Operation: \_\_\_\_\_ Area Per Sprinkler: \_\_\_\_\_ Density: \_\_\_\_\_

Applying Room Design Method:  Yes  No                      \*Special Design Method:  Yes  No

Hose Allowance: Inside: \_\_\_\_\_ Outside: \_\_\_\_\_ Rack Sprinkler Allowance: \_\_\_\_\_

### Sprinkler(s):

Make: \_\_\_\_\_ Model: \_\_\_\_\_ Size: \_\_\_\_\_ Type: \_\_\_\_\_ K-factor: \_\_\_\_\_ Temp: \_\_\_\_/\_\_\_\_

SIN: \_\_\_\_\_  ESRF's, Applying NFPA13:11.2.3.2.4 (Q.R. modifier applied?)  Yes  No

Ceiling Height: \_\_\_\_ ft \_\_\_\_ in.       Formula(s) on the plans      Roof/Ceiling Slope: \_\_\_\_\_ ft \_\_\_\_\_ in

*Fire safety begins with you!*

**NFPA 13 Calculation Summary**

Density: \_\_\_\_\_

Area: \_\_\_\_\_ ft/2

Flowing: \_\_\_\_\_ gpm

At: \_\_\_\_\_ psi at Base of Riser

Reference/Node: \_\_\_\_\_ with: \_\_\_\_\_ heads operating.

“C” Factor Used - Underground: \_\_\_\_\_

Overhead: \_\_\_\_\_

Elevation of heads operating from floor: \_\_\_\_\_

Water Supply Info Attached: \_\_\_\_\_

**Residential Systems**

NFPA:  13D  13R  13D Modified

Number of heads operating: \_\_\_\_\_

Elevation from BOR: \_\_\_\_\_ ft. \_\_\_\_\_ in.

Sprinkler Make(s) \_\_\_\_\_

Model(s) \_\_\_\_\_ SIN: \_\_\_\_\_

Temp: \_\_\_\_\_  Upright  
 Pendant

Pendant Recessed  Pendant Concealed  
 Sidewall  Other: \_\_\_\_\_

Area per Sprinkler: \_\_\_\_\_ ft/2- \_\_\_\_\_ ft. x \_\_\_\_\_ f t.

Vaulted Ceilings:  Yes  No

Installing Backflow Preventer?  Yes  No

Who: \_\_\_\_\_

Operating through a Meter?  Yes  No

Size: \_\_\_\_\_

Contractor installing the Underground: \_\_\_\_\_

Flows information provided downstream of the meter?  Yes  No Where: \_\_\_\_\_

Size, Pipe type and C-Factor from Tap to Meter: \_\_\_\_\_

Size, Pipe type and C-Factor Meter to Sprinkler “take off”: \_\_\_\_\_

**High-Piled/Rack Combustible Storage** (Reference IFC Chapter 23)

• **Complete a separate form for each storage array.**

Location: \_\_\_\_\_

\*Commodity & Packaging Description (Ref. IFC 2303): \_\_\_\_\_

Class: \_\_\_\_\_ \*Plastics Group: \_\_\_\_\_  Mixed  Separated

**Storage Type/Method**

- Solid Piled \_\_\_\_\_ %  Rack \_\_\_\_\_ %  Shelf \_\_\_\_\_ %
- Bin Boxes \_\_\_\_\_ %  Compartmented  Locations addressed and dimensioned on plans

**Rack**

- Single Row  Double Row  Multiple Row  Open Shelve  Solid Shelve  Movable
- Portable  Carousel  Horizontal Barriers  Column protection required (supporting walls & inside)
- Carpet. Flu Spacing in Inches: Longitudinal: \_\_\_\_ Transverse: \_\_\_\_ (Ref IFC 2308.3)

**Storage Aids**

- Pallet, Type:  Conventional  Slave  Wood  Plastic  Encapsulated  Banded
- Solid Pile, Type:  Pallet  Dunnage  Separator  Skids  Other: \_\_\_\_\_

**Pile**

- Closed Array  Open Array  Stable  Unstable

Pile Dimensions: \_\_\_\_\_ Pile Heights: \_\_\_\_\_ Pile Separation: \_\_\_\_\_ ft \_\_\_\_\_ in (Ref. IFC 2603.9)

**Tire**

- Misc.  Rack  Banded  On Side  On Tread  Palletized  Pyramid

**Paper**

- Records  Role:  On-end  Flat  Arrays:  Closed  Open
- Standard  Heavyweight  Lightweight  Tissue  Banded  Other: \_\_\_\_\_

**Roof Support**

Construction Details: \_\_\_\_\_

Maximum Available Storage Height: \_\_\_\_\_ ft. \_\_\_\_\_ in.,  Smoke/Heat Vents,  Draft Curtains Available (If separated with more than one design, address each commodity separately with another sheet).

Minimum Aisle Width: \_\_\_\_\_  Modified densities for storage height

Incorporating ESFR's Aggregate Area (ft/2) of High Piled Storage (Ref. IFC 2306.3.2.1)+15'-0" or 1-hour walls: \_\_\_\_ ft/2.

Opening(s) in separation walls (Ref. IFC 2306.3.2.1)  Yes  No  \*With Protected Openings: \_\_\_\_\_

**Additional Clarifications and Information**

- \* Identified Obstructed Construction must be identified and addressed with details on the plans.
- \* Miscellaneous (Ref. NFPA 13:3.3.15) storage must have commodities classified.
- \* "Plastics" must be fully identified (Ref. NFPA 13:12.2.3.1, 12.3.3).
- \* "Protected" openings shall be described (rated fire door, with hold opens, self closing, verified water curtain etc.).
- \* "Special" designs must be addressed fully (Ref. NFPA 13:12.7).

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