

# Elburn and Countryside Fire Protection District

Fire Prevention Bureau  
39W950 Hughes Rd  
Elburn IL 60119  
630-262-9911

## Fire Sprinkler Submittal Form

### PROPERTY INFORMATION:

Building Name: \_\_\_\_\_  
Building Address: \_\_\_\_\_  
Owner Name: \_\_\_\_\_  
Owner's Address: \_\_\_\_\_  
Owner's Phone \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

### SYSTEM DESIGNER/CONTRACTOR:

Company Name: \_\_\_\_\_  
Company Address: \_\_\_\_\_  
Contact Person (Designer): \_\_\_\_\_  
Illinois Fire Sprinkler Contractor License #: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

### Building Use and Occupancy Classification -Per International Building Code Chapter 3

- |  |   |  |  |  |  |
|--|---|--|--|--|--|
| <input type="checkbox"/> Assembly-1    | <input type="checkbox"/> Assembly-2     | <input type="checkbox"/> Assembly-3      | <input type="checkbox"/> Assembly-4      | <input type="checkbox"/> Assembly-5      | <input type="checkbox"/> Business        |
| <input type="checkbox"/> Educational   | <input type="checkbox"/> Factory-1      | <input type="checkbox"/> Factory-2       | <input type="checkbox"/> High-Hazard-1   | <input type="checkbox"/> High-Hazard-2   | <input type="checkbox"/> High-Hazard-3   |
| <input type="checkbox"/> High-Hazard-4 | <input type="checkbox"/> High-Hazard-5  | <input type="checkbox"/> Institutional-1 | <input type="checkbox"/> Institutional-2 | <input type="checkbox"/> Institutional-3 | <input type="checkbox"/> Institutional-4 |
| <input type="checkbox"/> Mercantile    | <input type="checkbox"/> Residential -1 | <input type="checkbox"/> Residential -2  | <input type="checkbox"/> Residential -3  | <input type="checkbox"/> Residential -4  | <input type="checkbox"/> Storage-1       |
| <input type="checkbox"/> Storage-2     | <input type="checkbox"/> Utility        |  |  |  |  |

### Plans Are For:

- New building, new fire sprinkler system  
 Retrofitting a new fire sprinkler system within an existing building  
 Modifying an existing fire sprinkler system within an existing building  
 Other \_\_\_\_\_  
 NFPA 13 *Standard for the Installation of Sprinkler Systems*  
 NFPA 13R *Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height*  
 NFPA 13D *Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*  
 Hydraulically calculated  
 Pipe schedule

Square footage covered by the fire sprinkler system: \_\_\_\_\_

Total number of sprinkler heads: \_\_\_\_\_

Total number of risers: \_\_\_\_\_

### Number of stories in the building:

One  Two  Three  Four  Five  "High Rise" (>75ft.) Total # of Floors \_\_\_\_\_

Is there a basement? Yes  No

### The Fire Alarm System is located on what level of the building:

Entire  Basement  First Floor  Second Floor  Third Floor  Fourth Floor  Other \_\_\_\_\_

### Fire sprinkler occupancy hazard classification:

Light Hazard  Ordinary Hazard Group I  Extra hazard Group I  Storage  
 Special occupancy  Ordinary Hazard Group II  Extra hazard Group II

### If a storage occupancy, commodity classification:

Class I  Class II  Class III  Class IV  
 Group A  Group B  Group C

Storage over 12 feet?  Yes  No

**Sprinkler Type and Coverage**

Wet  Dry  Anti-freeze  Preaction  Deluge  Pre-Engineered

Are sprinklers omitted in any area? Yes  No

If yes per NFPA 13, where? \_\_\_\_\_

**Fire Pump**

Fire pump provided  Yes  No

Gallon per minute and pressure rating of the pump specified \_\_\_\_\_

Pump layout in accordance with NFPA 20?  Yes  No

**Type of fire pump:**

Electric  Diesel  Gasoline  LPG/LNG  Steam

**Water Supply-Is the following information provided?**

Water test location  Yes  No  
Date and time of test  Yes  No  
Static pressure, residual pressure and flow in GPM  Yes  No  
Flow test "conducted by"  Yes  No  
Size of main indicated  Yes  No

**Private Fire Service Mains- Is the following information provided?**

Sizes of mains  Yes  No Sizes, types, and locations of valves  Yes  No  
Pipe Lengths  Yes  No Sizes, types, and locations of valve indicators  Yes  No  
Pipe Locations  Yes  No Sizes, types, and locations of regulators  Yes  No  
Weights  Yes  No Sizes, types, and locations of meters  Yes  No  
Pipe Materials  Yes  No Sizes, types, and locations of valve pits  Yes  No  
Point of connection to city main  Yes  No Depth of top of pipe laid below grade  Yes  No

*Is the following information provided on plans/specification?*

Scale used  Yes  No  
Location of partitions  Yes  No  
Location and size of concealed space, closets, attics, and bathrooms  Yes  No  
Full-height cross-sectional of structural and ceiling construction  Yes  No  
Location of fire walls  Yes  No

**Sprinkler Components-Is the following information provided?**

Make, type, model, nominal K-factor of sprinklers, sprinkler identification number  Yes  No  
Temperature rating and location of high-temperature sprinklers  Yes  No  
Pipe type and schedule of wall thickness  Yes  No  
Nominal pipe size and cutting lengths of pipe (or center-to-center dimensions)  Yes  No  
Location and size of riser nipples  Yes  No  
Type of fittings and joints and location of all welds and bends  Yes  No  
Specifications of any sections to be shop welded and type of fittings of formation to be used  Yes  No  
Type and location of hangers, sleeves, braces, and methods of securing sprinklers when applicable  Yes  No  
All control valves, check valves, drain pipes, and test connections  Yes  No  
Manufacturer, size, type of backflow preventers  Yes  No  
Is a pressure gauge indicated on the system and the supply  Yes  No  
Make, type, model, and size of alarm, dry pipe, preaction, or deluge valves  Yes  No  
Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment  Yes  No  
Calculation of loads for sizing and details of sway bracing  Yes  No  
Setting for pressure-reducing valves  Yes  No  
Type and amount of antifreeze solution used  Yes  No

**Additional Requirements for 13R Systems**

If there is a separate control valve for the sprinkler system, is it supervised  Yes  No

**Additional Requirements for 13D Systems**

If an FDC is provided, pipe meets the minimum pressure rating  Yes  No  
If there is a separate control valve for sprinkler system it is supervised  Yes  No  
If a pressure tank is used, a pressure gauge installed to indicate tank pressure  Yes  No  
If the system is dry, a pressure gauge indicated on the system to indicate air pressure  Yes  No

**Fire Department Connection(s), Alarms and Fire Hydrants- *Is the following information provided?***

**Required for all systems:**

- |  |                              |                             |
|--|------------------------------|-----------------------------|
| Fire Department Connection 5 inch Storz with 30 degree angle   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Location and piping arrangement of fire department connections | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Size and location of hydrants                                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Kind and location of alarm bells                               | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Fire alarm system connection                                   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

**Additional Requirements for 13 systems**

- |   |                              |                             |
|---|------------------------------|-----------------------------|
| Is hose houses and equipment provided   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| If the system is multipurpose piping system, a sign warning of water restricting devices is specified | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

**Additional Requirements for 13R systems**

- |  |                              |                             |
|--|------------------------------|-----------------------------|
| For building exceeding 2,000 square feet or greater than a single story, the size, location, and pipe arrangement of the fire department connections indicated | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|--|------------------------------|-----------------------------|

Notes/ Additional comments:

\_\_\_\_\_

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Submitter

Date