



**THE CITY OF LAKE FOREST**  
**COMMUNITY DEVELOPMENT DEPARTMENT**  
 800 N. FIELD DRIVE, LAKE FOREST, IL 60045  
 P: (847)810-3514 OR (847)810-3502, F: (847)615-4383  
 WWW.CITYOFLAKEFOREST.COM

**TECHNICAL SUBMISSION**  
**FORM**  
 #: \_\_\_\_\_  
 DATE: \_\_\_\_\_

*For Automatic Fire Sprinkler Systems*

<b>PROJECT ADDRESS:</b>	
<b>PROPERTY OWNER:</b>	<b>PHONE:</b>
<b>MAILING ADDRESS (IF DIFFERENT THAN ABOVE):</b>	
<b>TENANT:</b>	<b>PHONE:</b>
<b>DESIGN PROFESSIONAL:</b>	
<b>MAILING ADDRESS:</b>	
<b>PHONE:</b>	<b>EMAIL ADDRESS:</b>
<hr style="border: none; border-top: 1px solid black;"/>	
<b>SIGNATURE AND SEAL OF DESIGN PROFESSIONAL</b>	<b>DATE</b>

<b>Applicable Codes:</b>	
NFPA 13 _____ ed.	NFPA 14 _____ ed. Building Code: _____
NFPA 13R _____ ed.	NFPA 20 _____ ed. Local Amendments Applied: _____
NFPA 13D _____ ed.	NFPA 72 _____ ed. Other: _____

<b>Water Flow Test:</b>	
Date: _____	Witness: _____
Location: _____	Source: _____
Static pressure: _____	Seasonal or local Adjustment: _____
Residual Pressure: _____	Water Quality Investigation (MIC or other): _____
Flow: _____ gpm	Results: _____
Size of Water Supply: _____	Is it the same as the Domestic? _____
<b>Building Information:</b>	
Building Height: _____	Square Feet of Building Footprint: _____
Number of Stories: _____	Floor to Floor Height: _____



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**Material Information:**

Risers: \_\_\_\_\_ Type of Pipe which can be used: \_\_\_\_\_  
Cross Main: \_\_\_\_\_ Type of Fittings which can be used: \_\_\_\_\_  
Bulk Main: \_\_\_\_\_ Are Backflow Device(s) Required? \_\_\_\_\_  
Branch Lines: \_\_\_\_\_ How many backflow device(s) are required? \_\_\_\_\_

**Fire Department Connection:**

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

**Fire Pump and Controller:**

Type of Drive: \_\_\_\_\_ Size: \_\_\_\_\_ at \_\_\_\_\_ psi  
Voltage: \_\_\_\_\_ Location of service: \_\_\_\_\_  
Generator Required? \_\_\_\_\_

**Water Storage Tank:**

Water Storage Tank Required? \_\_\_\_\_ Location of Tank: \_\_\_\_\_  
Size of Tank: \_\_\_\_\_ Type of Tank: \_\_\_\_\_

**Standpipes:**

Number Required: \_\_\_\_\_ Location(s): \_\_\_\_\_  
Class: \_\_\_\_\_ Type: \_\_\_\_\_  
Top Most Outlet Flow: \_\_\_\_\_ Most Remote Flow: \_\_\_\_\_  
Total Flow: \_\_\_\_\_ Required Valves: \_\_\_\_\_ 1 ½" \_\_\_\_\_ 2 ½" \_\_\_\_\_ Combo



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Please use additional copies of this page as necessary to provide all of the information regarding the different types of systems proposed for this project:

<p><b>Area #1 --- Type of System:</b> _____ Description of Use of Area or Hazard: _____ _____ _____ Hazard Classification: _____ Commodity: _____ Design Criteria: _____ gpm over _____ square feet Area per sprinkler: _____ Standpipe Flow: _____ <i>Other Water Flow:</i> Hose: _____ gpm Outside Hydrants: _____ Special: _____ gpm In rack or special sprinklers: _____ gpm Total Flow Required: _____ Is a fire pump required? _____ gpm at _____ psi</p>
<p><b>Area #2 --- Type of System:</b> _____ Description of Use of Area or Hazard: _____ _____ _____ Hazard Classification: _____ Commodity: _____ Design Criteria: _____ gpm over _____ square feet Area per sprinkler: _____ Standpipe Flow: _____ <i>Other Water Flow:</i> Hose: _____ gpm Outside Hydrants: _____ Special: _____ gpm In rack or special sprinklers: _____ gpm Total Flow Required: _____ Is a fire pump required? _____ gpm at _____ psi</p>
<p><b>Area #3 --- Type of System:</b> _____ Description of Use of Area or Hazard: _____ _____ _____ Hazard Classification: _____ Commodity: _____ Design Criteria: _____ gpm over _____ square feet Area per sprinkler: _____ Standpipe Flow: _____ <i>Other Water Flow:</i> Hose: _____ gpm Outside Hydrants: _____ Special: _____ gpm In rack or special sprinklers: _____ gpm Total Flow Required: _____ Is a fire pump required? _____ gpm at _____ psi</p>



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Please use additional copies of this page as necessary to provide all of the information regarding the different types of systems proposed for this project:

<p><b>Storage Area #1 --- Type of System:</b> _____</p> <p>Description of Use of Area or Hazard: _____</p> <hr/> <p><u>Type of Storage and Maximum Height:</u>          Pallet: _____ Bulk: _____ Shelf: _____ Bin Box: _____          Rack: _____ Minimum Aisles Width: _____ Maximum Rack Depth: _____          Commodity Classification: _____ Encapsulated: _____</p> <p><u>Rack Type:</u>          Single Row: _____ Double Row: _____ Multiple Row: _____ Other: _____</p> <p><u>Flue Spaces:</u>          Is longitudinal required? _____ Size: _____          Is transverse required? _____ Size: _____          Ceiling Design Criteria: _____ gpm over _____ square feet          Area per sprinkler: _____ Standpipe Flow: _____</p> <p><u>Other Water Flow:</u>          Hose: _____ gpm Outside Hydrants: _____ Special: _____ gpm          In rack or special sprinklers: _____ gpm Total Flow Required: _____          Is a fire pump required? _____ gpm at _____ psi</p> <p>In rack or special sprinklers: _____ gpm Number of levels: _____ Location: _____          Type: _____ Temperature Rating: _____ Orifice size: _____          Required Accommodations for Building Structure: _____</p>
<p><b>Storage Area #2 --- Type of System:</b> _____</p> <p>Description of Use of Area or Hazard: _____</p> <hr/> <p><u>Type of Storage and Maximum Height:</u>          Pallet: _____ Bulk: _____ Shelf: _____ Bin Box: _____          Rack: _____ Minimum Aisles Width: _____ Maximum Rack Depth: _____          Commodity Classification: _____ Encapsulated: _____</p> <p><u>Rack Type:</u>          Single Row: _____ Double Row: _____ Multiple Row: _____ Other: _____</p> <p><u>Flue Spaces:</u>          Is longitudinal required? _____ Size: _____          Is transverse required? _____ Size: _____          Ceiling Design Criteria: _____ gpm over _____ square feet          Area per sprinkler: _____ Standpipe Flow: _____</p> <p><u>Other Water Flow:</u>          Hose: _____ gpm Outside Hydrants: _____ Special: _____ gpm          In rack or special sprinklers: _____ gpm Total Flow Required: _____          Is a fire pump required? _____ gpm at _____ psi</p> <p>In rack or special sprinklers: _____ gpm Number of levels: _____ Location: _____          Type: _____ Temperature Rating: _____ Orifice size: _____          Required Accommodations for Building Structure: _____</p>