



Elburn and Countryside Fire Protection District

200 E. Route 38, Elburn, IL 60119 Above line Office use only:

Fire Prevention Bureau Office (630) 365-6855 / Fax (630) 448-1253

AUTOMATIC SPRINKLER SYSTEM TECHNICAL SUBMITTAL

Project name
Project address
Owner
Occupant

Codes and Standards REFERENCED
NFPA 13-2016 NFPA13R-2016 NFPA 13D-2016 NFPA 101- 2015 NFPA 14-2016 NFPA20-2016
Water flow test information
DATE: Location Witness
Static pressure psi Residual pressure psi Flow GPM
Source Seasonal or local adjustment
Water Quality investigation (MIC or other) Results
Building footprint square feet Building height
Number of stories Floor to floor height
Water Supply Domestic in same connection required Yes No Size
Type of pipe which can be used
Risers Bulk main
Cross main Branch lines
Type of fittings which can be used
Backflow device/s required
Fire department connection (5" STORZ on 30\* angle) Type
Fire Pump and controller Size g.p.m. @ psi Type of drive Voltage
Location of service Generator required Yes No
Water storage tank required Yes No Type of tank
Location of tank Size of tank
Standpipes required Yes No Required valves 1 1/2 2 1/2 Class Type
Location/s 1 1/2 "hose Length of hose Other
Required flows: Top most outlet Most remote Total flow

Architect or P. E.

Address

Contact #

Architect or P. E. Signature, Seal and Date

X

ARCHITECT OR P.E. STAMP REQUIRED

N.I.C.E.T. WILL BE REJECTED

STATE OF ILLINOIS SB 1384(8-24-2010)

PEP ACT 225 ILCS 325/3 Ch. 111, par.

5203(d)

**Area # 1** Type of system \_\_\_\_\_  
Description of use of area or hazard \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Hazard classification \_\_\_\_\_ Commodity \_\_\_\_\_  
Design criteria \_\_\_\_\_ g.p.m over \_\_\_\_\_ square footage  
Area per sprinkler \_\_\_\_\_ square foot Stand pipe flow \_\_\_\_\_  
Other water flow  
Inside Hose \_\_\_\_\_ g.p.m Outside hydrants \_\_\_\_\_ Special \_\_\_\_\_ g.p.m  
In rack or special sprinklers \_\_\_\_\_ g.p.m Total flow required \_\_\_\_\_  
Fire pump required \_\_\_\_\_ Submit graph sheet \_\_\_\_\_ g.p.m at \_\_\_\_\_ psi

**Area # 2** Type of system \_\_\_\_\_  
Description of use of area or hazard \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Hazard classification \_\_\_\_\_ Commodity \_\_\_\_\_  
Design criteria \_\_\_\_\_ g.p.m over \_\_\_\_\_ square footage  
Area per sprinkler \_\_\_\_\_ square foot Stand pipe flow \_\_\_\_\_  
Other water flow  
Inside Hose \_\_\_\_\_ g.p.m Outside hydrants \_\_\_\_\_ Special \_\_\_\_\_ g.p.m  
In rack or special sprinklers \_\_\_\_\_ g.p.m Total flow required \_\_\_\_\_  
Fire pump required \_\_\_\_\_ Submit graph sheet \_\_\_\_\_ g.p.m at \_\_\_\_\_ psi

**Area # 3** Type of system \_\_\_\_\_  
Description of use of area or hazard \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Hazard classification \_\_\_\_\_ Commodity \_\_\_\_\_  
Design criteria \_\_\_\_\_ g.p.m over \_\_\_\_\_ square footage  
Area per sprinkler \_\_\_\_\_ square foot Stand pipe flow \_\_\_\_\_  
Other water flow  
Inside Hose \_\_\_\_\_ g.p.m Outside hydrants \_\_\_\_\_ Special \_\_\_\_\_ g.p.m  
In rack or special sprinklers \_\_\_\_\_ g.p.m Total flow required \_\_\_\_\_  
Fire pump required \_\_\_\_\_ Submit graph sheet \_\_\_\_\_ g.p.m at \_\_\_\_\_ psi

<b>Storage areas</b> #1	Type of system:		
Description of use of area or hazard:			
Type of storage and maximum height:	Pallet:	Bulk	
Shelf	Bin box	Rack	
Minimum aisles width	Encapsulated	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Rack type	Single row	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Double row	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Multiple Row	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Shelf type	_____		
Flue spaces	Longitudinal	<b>required</b>	<input type="checkbox"/> Yes
		<input type="checkbox"/> No - size	
	Transverse required	<input type="checkbox"/> Yes	<input type="checkbox"/> No - size
Ceiling design criteria	g.p.m over	square feet	
Area per sprinkler	square feet	Stand pipe flow	
Other water flow			
Hose	g.p.m	Outside hydrants	Special
			g.p.m
In rack or special sprinklers	g.p.m	Number of levels	
Location	Type	Temp. rating	Orifice size
Required accommodations for building structure			
<b>Storage areas</b> #2	Type of system:		
Description of use of area or hazard:			
Type of storage and maximum height:	Pallet:	Bulk	
Shelf	Bin box	Rack	
Minimum aisles width	Encapsulated	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Rack type	Single row	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Double row	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Multiple Row	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Shelf type	_____		
Flue spaces	Longitudinal	<b>required</b>	<input type="checkbox"/> Yes
		<input type="checkbox"/> No - size	
	Transverse required	<input type="checkbox"/> Yes	<input type="checkbox"/> No - size
Ceiling design criteria	g.p.m over	square feet	
Area per sprinkler	square feet	Stand pipe flow	
Other water flow			
Hose	g.p.m	Outside hydrants	Special
			g.p.m
In rack or special sprinklers	g.p.m	Number of levels	
Location	Type	Temp. rating	Orifice size
Required accommodations for building structure			