PLAN REVIEW CHECKLIST

Date Documents Submitted:				
Log No.:				
File No.:				
Property Information				
Building Name:				
Building Address:				
Owner's Name:				
Owner's Address:				
Owner's Phone:	Fax:		E-mail:	
System Designer/Contracto	or			
Company Name:				
Company Address:				
Contact Person (Designer):				
Designer Qualifications:				
Phone:	Fax:		E-mail:	
General				
NFPA 13 used in the system desig 13D or 13R checklist)	gn and proposed installation (If no,	utilize NFPA	Yes	🗌 No
New system or a change to an exist	sting system:		□ New	Change to existing
Square footage of the project:				
Construction type:				
☐ Fire resistive ☐ Non-co	ombustible 🗌 Ordinary	Heavy timber	r 🗌 W	ood frame Mixed
Building Use and Occupane	cy Classification			
				Edition:
Applicable building code:				
Applicable building code:	r the Installation of Sprinkler System		Edition:	
Applicable building code:				
Applicable building code:	r the Installation of Sprinkler System			
Applicable building code: NFPA 13, <i>Standard for</i> Other	r the Installation of Sprinkler System			
Applicable building code: NFPA 13, <i>Standard for</i> Other Sprinkler required by building Sprinkler system required by lease	r the Installation of Sprinkler System	ms		
Applicable building code:	r the Installation of Sprinkler System or fire code ocal ordinances	<i>ms</i>		
Applicable building code:	r the Installation of Sprinkler System or fire code ocal ordinances equivalency, alternative level of pro	<i>ms</i>		
Applicable building code: NFPA 13, Standard for Other Sprinkler required by building Sprinkler system required by le Sprinkler system required for e Sprinkler system not required,	r the Installation of Sprinkler System or fire code ocal ordinances equivalency, alternative level of pro	<i>ms</i>		
Applicable building code:	r the Installation of Sprinkler System or fire code ocal ordinances equivalency, alternative level of pro	<i>ms</i>	Edition:	Residential board and care
Applicable building code:	r the Installation of Sprinkler System or fire code ocal ordinances equivalency, alternative level of pro property owner voluntary safety in	ms otection, etc. nprovements	Edition:	
Applicable building code:	r the Installation of Sprinkler System or fire code ocal ordinances equivalency, alternative level of pro property owner voluntary safety in	ms 	Edition:	 Residential board and care Storage Underground
Applicable building code: DFPA 13, Standard for Other Sprinkler required by building Sprinkler system required by le Sprinkler system required for e Sprinkler system not required, Other Other Occupancy classification: One- or two-family dwelling Ambulatory health care	r the Installation of Sprinkler System or fire code ocal ordinances equivalency, alternative level of pro property owner voluntary safety in Day care	ms otection, etc. nprovements Hotel/dormite Industrial	Edition:	Residential board and care Storage
Applicable building code:	r the Installation of Sprinkler System or fire code ocal ordinances equivalency, alternative level of pro- property owner voluntary safety in Day care Detention and correctional Educational	ms 	Edition:	 Residential board and care Storage Underground

Sprinkler Systems: Automatic Sprinkler Systems-NFPA 13 Systems

Form	IV-1

Fire sprinkle	er occupancy	hazard class	ification:				
🗌 Light haz	zard	Ordinary hazard Group II			🗌 Extra haz	ard Group I	Storage
	ccupancy	Ordinary hazard Group I			🗌 Extra haz	ard Group II	
Yes	🗌 No	Special occupancy requirements for the system (Flammable/combustible liquids, aircraft hangars, oxidizers, etc.)					
If a storage of	occupancy, c	ommodity cl	assification:				
Class I			ass II	Class III		Class IV	
Group A		🗌 Gr	oup B	Group C			
Storage over	12 feet		🗌 Yes	🗌 N	ю		
Sprinkler	Type and (Coverage					
Type of sprin	nkler system	:					
	Wet	🗌 Dr	У	Preaction		Deluge	
Yes	🗌 No		Sprinklers omitte	ed in any area			
Yes	🗌 No	N/A	If yes, omissions		IFPA 13 d area(s)		
Area of cove	erage:						
	Total	🗌 Pa	rtial	□Special ha	azard	Other	
Yes	🗌 No	All wet pip	ing in areas that a	re maintained a	above 40° F		
Fire Pump)						
Yes	🗌 No	Fire pump	provided				
Series Yes	🗌 No	Gallon per	minute and pressu	re rating of the	e pump specifi	ed	
Type of fire	pump:						
	Electric	🗌 Di	esel	Gasoline		LPG/LNG	Steam
☐ Yes	🗌 No	Pump layo	ut is in accordance	e with NFPA 20	0		
Design Sp	ecificatio	ns					
Type of systemeters	em:	🗌 Ну	draulically calcul	ated	D Pipe so	cheduled (existing sys	stem only)
☐ Yes	🗌 No		Design area of w	vater applicatio	n specified		
☐ Yes	🗌 No		Minimum rate of	f water applica	tion (density)	specified	
Yes	🗌 No		Area per sprinkl	er specified			
Yes	🗌 No			irements as cal and exposure			side hose, outside hydrants, and
Yes	🗌 No	N/A	Allowance for in	n-rack sprinkler	rs provided		
Yes	🗌 No	N/A	Limitations (dim specified	nension, flow, a	and pressure) o	on extended coverage	e or other listed special sprinklers
Water Sup	ply		-				

Is the following information provided?

Yes	🗌 No	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" contact information of	on plans
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□ No Size of main indicated:

Dead-end main

Looped main

Other sources of water supply, with pressure or elevation:

Private Fire Service Mains

2 Yes

Is the following information provided?

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

Construction

Is the following information provided on plans/specification?

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

Sprinkler Components

Is the following information provided on plans/specification?

🗌 Yes	🗌 No	Make, type, model, nominal K-factor of sprinklers, and 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 or formations 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	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	Manufacturer, size, type of backflow preventers
🗌 Yes	🗌 No	Type and amount of antifreeze solution used
Yes	🗌 No	Is a pressure gauge indicated on the system and the supply

Design

Is the following information provided on plans/specification?

Yes	🗌 No		Total area protected by each system on each floor
Yes	🗌 No		Number of sprinklers on each riser per floor
Tes Yes	🗌 No	N/A	Total number of sprinklers on each dry pipe, preaction, combined dry pipe-preaction, or deluge system
Yes	🗌 No	N/A	Approximate capacity (in gallons) of each dry pipe system
Yes	🗌 No		Piping provisions for flushing
Tes Yes	🗌 No		Where equipment is to be installed as an addition to an existing system, enough of the existing system indicated to make all conditions clear
Yes	🗌 No		Hydraulic data nameplate (for hydraulically designed systems)
Tes Yes	🗌 No		Hydraulic reference points shown on the plan that correspond with comparable reference points on the hydraulic calculation sheets
Yes	🗌 No		Most demanding area is calculated
☐ Yes	🗌 No		Pipe sizes and lengths shown on the plan correspond with the sizes and lengths shown on the hydraulic calculations sheets
Tes Yes	🗌 No		Minimum rate of water application (density), design area of water application, in-rack sprinkler demand, and water required for inside and outside hose streams
Yes	🗌 No		Total quantity of water and pressure required noted at a common reference point for each system
Yes	🗌 No		Relative elevations of sprinklers, junction points, and supply or reference points
Yes	🗌 No		If room design method is used, all unprotected wall openings throughout the floor protected
Tes Yes	🗌 No		Pressure loss for backflow preventor and/or meter included in hydraulic calculations
Fire Depar	tment Cor	nection(s)), Alarms, Fire Hydrants
Is the followi	ng informati	on provided	on plans/specification?
🗌 Yes	🗌 No	Size, locatio	on, and piping arrangement of fire department connections
Yes	🗌 No	Kind and lo	ocation of alarm bells
Yes	🗌 No	Fire alarm s	system connection
Tes Yes	🗌 No		cation of hydrants (showing size and number of outlets and whether outlets to be equipped with dent gate valves)
Yes	🗌 No	Whether ho	se houses and equipment are to be provided
If yes, by wh	om:		

Approval

Reviewer:			Date:
Approved	Yes	🗌 No	
If no, reason(s	5):		

Notes: