

NFPA 13 SPRINKLER SYSTEM PLAN REVIEW CHECKLIST

I. Administrative	Provided					
1. Professional engineer's seal on construction documents (three sets for in-person submission)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
2. Hydraulic calculations with professional seal (four sets for in-person submission)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
3. Work is done by licensed FSS contractor	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
II. Pre-Requisite Approvals						
1. Historical Commission approval	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2. Water available stamp	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
3. Approved building permit provided: _____						
4. Asbestos Investigation Report	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5. PA DOH approval:	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
III. Supplemental Documents						
1. PWD Flow Test Data screenshot	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
2. CP-100 (new BFP) CU-100 (Existing BFP)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
IV. Plan Review						
1. Type of system: <input type="checkbox"/> Wet <input type="checkbox"/> Dry / Antifreeze						
2. FDC provided / compliant (6.7)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
3. FDC location is in proximity to both a fire hydrant and exit enclosure	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
4. Fire Department approval is provided for access road approval (<i>where FDC location is not along a public street, setback from public street, or not fully visible from public street</i>)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5. Verified compliance with Backflow Prevention Assembly checklist (P_032_CHK):	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
6. Sprinkler head specifications for all types*(6.2):						
a. Type: _____ / _____						
b. Make & Model: _____ / _____						
c. K Factor: _____ / _____						
d. Maximum coverage: _____ / _____						
e. Minimum spacing: _____ / _____						
7. Identify Classification of Occupancies (11.2.1.2):						
<input type="checkbox"/> Light Hazard <input type="checkbox"/> Ordinary Hazard, G1 <input type="checkbox"/> Ordinary Hazard, G2 <input type="checkbox"/> Extra Hazard, G1 <input type="checkbox"/> Extra Hazard, G2						

8. Design method (11.2.3.2): <input type="checkbox"/> Density / Area <input type="checkbox"/> Pipe Schedule <input type="checkbox"/> Room Area Design <input type="checkbox"/> Special Design/Other: _____				
9. FSP corresponds to approved building plan	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
10. Sprinkler piping path is continuous to all heads	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
11. Service line size defined and shown on plan	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
12. Riser diagram @ service area / point of entry	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
13. Is fire pump installed (F-913)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	No
a. UL listed fire pump installed per NFPA 20	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
b. Is the fire pump located in compliant room?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
c. Fire pump specifications are provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14. Distance from Heat Sources compliant (8.3.2)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	No
15. Minimum operating pressure of sprinkler heads complies with manufacturer specifications and minimum 7 psi	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
16. Design area location identified on plan (11.2.3.1.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
a. Most hydraulically demanding area used	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
b. Number of design sprinklers: _____				
17. Design area and density provided per applicable design area curve (11.2.3.1.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
18. <i>Sprinkler Head Positions Review Form</i> completed on sheet 3 of 3	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
19. Sprinkler heads located in all required areas	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
a. Exempt locations checked	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
20. Compliant hangers (Chapter 9)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
21. Hydraulic calculations provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
a. Nodes correspond to FSP	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
b. Summary sheet and detailed worksheet provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
c. Supply and demand curve provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
i. Adequate supply for system demand	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
ii. Pump curve superimposed	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
d. Control valves for shutoff provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
e. Test and drain connections provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
f. Inside/outside hose stream allowance provided (11.1.6)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

*Additional sprinkler head specifications:

CHECK ALL THAT APPLY:

Sprinkler Positioning Review							
NFPA 13	Standard Upright/Pendant (8.6)	Sidewall (8.7)	Extended Coverage Upright/Pendant (8.8)	Extended Coverage Sidewall (8.9)	Residential (8.10)	CMSA (8.11)	ESFR (8.12)
	A	B	C	D	E	F	G
Area of Coverage (8.X.2.2)							
Distance of sprinklers (8.X.3)							
Maximum distance from walls (8.X.3.2)							
Minimum distance from walls (8.X.3.3)							
Below Ceiling (8.X.4.1)							
Obstruction <18" (8.X.5.2)					8.10.(6.2/7.2)	<36" wide	
Obstruction > 18" (8.X.5.3)					8.10.(6.3/7.3)	>24" wide	
Clearance to storage (8.X.6)				N/A	N/A		
Ceiling Pockets (8.X.7)		N/A		N/A	N/A	N/A	N/A
Skylights (8.5.7)							