

NFPA 13R 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 <input type="checkbox"/>
2. Water available stamp	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3. Approved building permit provided: _____				
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. Is 13R permitted?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3. FDC provided / compliant (6.11)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4. FDC location is in proximity to both a fire hydrant and exit enclosure	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5. Fire Department approval is provided for access road approval (<i>where FDC location is not along a public street, setback from a public street, or not fully visible from a public street</i>).	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
6. Verified compliance with Backflow Prevention Assembly checklist (P_032_CHK):	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
7. Sprinkler head specifications for all types*(6.2):				
a. Type: _____ / _____				
b. Make & Model: _____ / _____				
c. K Factor: _____ / _____				
d. Maximum coverage: _____ / _____				
e. Minimum spacing: _____ / _____				
8. FSP corresponds to approved building plan	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
9. Sprinkler piping path is continuous to all heads	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
10. Service line size defined and shown on plan	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

11. Riser diagram @ service area / point of entry	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
12. Is fire pump installed (9.4)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<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		
13. Distance from Heat Sources compliant (6.2.3)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14. Design discharge of min. 0.05 gpm/sq.ft complies (7.1.1.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
15. Design area location identified on plan (7.1.1.3)	<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: _____						
16. Sprinkler coverage adequate/exceeds maximum coverage area	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
17. Sprinkler spacing adequate – slope (6.4.2)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
18. Minimum operating pressure of sprinkler heads complies with manufacturers specifications and minimum 7 psi (6.4.5)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
19. Position of sprinklers adequate (6.4.6)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
20. Obstructions considered (6.4.6.3)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
21. Sprinklers in garages (7.3)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
22. Sprinkler heads located in all required areas (6.6)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
a. Exempt locations checked	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
23. 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		
d. Graph sheet (including pump sheet if applicable) provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
e. Adequate supply for system demand	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
f. Test and drain connections provided (6.9/6.10)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
g. Control Valves for shutoff provided (6.8.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
*Additional sprinkler head specifications:						