

NFPA 13D 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: _____						
III. Supplemental Documents						
1. PWD Flow Test Data screenshot	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
IV. Plan Review						
1. Type of system: <input type="checkbox"/> RFSS <input type="checkbox"/> Standalone						
2. Is 13D permitted?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
3. Verified compliance with Backflow Prevention Assembly checklist (P_032_CHK):	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4. Sprinkler head specifications for all types*:						
b. Type: _____ / _____						
c. Make & Model: _____ / _____						
d. K Factor: _____ / _____						
e. Maximum coverage: _____ / _____						
f. Minimum spacing: _____ / _____						
5. Is fire pump installed	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
6. Tank storage capacity sufficient for sprinkler demand (2 heads for 10 min.)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
a. Tank Size: _____						
7. FSP corresponds to approved building plan	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
8. Service line size defined:	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
9. Riser diagram @ service area/ point of entry provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
10. Water quality protection measures provided						
<input type="checkbox"/> Connection to remote toilet <input type="checkbox"/> Backflow (if applicable)						

11. Design discharge of min 0.05 gpm/sf complies (10.1.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
12. Design area location identified on plan (10.2.1)	<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: _____				
13. Sprinkler piping path is continuous to all heads	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14. Sprinkler spacing (8.2): _____				
15. Minimum operating pressure of sprinkler heads complies with manufacturers specifications and minimum 7 psi (8.1.4)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
16. Obstructions considered (8.2.5.3)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
17. Sprinkler heads located in all required areas (8.3)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
a. Exempt locations checked	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
18. 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 (7.2)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
g. Control Valves for shutoff provided (prohibited for standalone) (7.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No