# NFPA 13R Sprinkler Plan Review Checklist

**I. Administrative**

1. Professional seal on four sets of construction documents:  
   - Provided  
   - Required

2. Four sets of hydraulic calculations with Professional Seal w/ one wet seal (A304.1):  
   - Provided  
   - Required

3. Work done by licensed FSS contractor:  
   - Yes  
   - No

**II. Pre-Requisite Approvals**

1. Historic Commission approval:  
   - Provided  
   - Required  
   - N/A

2. Water available stamp:  
   - Provided  
   - Required

3. Approved building permit:  
   - Provided  
   - Required  
   - N/A

**III. Supplemental Documents**

1. PWD Flow test data Screenshot:  
   - Provided  
   - Required

2. CP-100 (New BFP) / CU-100 (Existing BFP):  
   - Provided  
   - Required

3. Backflow system approved on PWD list:  
   - Yes  
   - No  
   - N/A

4. Backflow installer certified on PWD list:  
   - Yes  
   - No  
   - N/A

**IV. Plan Review**

1. Type of system:  
   - Wet  
   - Dry/Antifreeze

2. Is 13R permitted:  
   - Yes  
   - No

3. FDC provided (6.11):  
   - Yes  
   - No

4. Backflow provided:  
   - Yes  
   - No

5. Sprinkler head specifications for all types*:  
   a. Type:______________/______________
   b. Make & model:______________/______________
   c. K factor:______________/______________
   d. Maximum coverage:______________/______________
   e. Minimum spacing:______________/______________

6. FSP corresponds to approved bldg plan:  
   - Yes  
   - No

7. Sprinkler piping path is continuous to all heads:  
   - Yes  
   - No

8. Service line size defined and shown on plan:  
   - Yes  
   - No

9. Riser Diagram @ Service area/Point of entry:  
   - Provided  
   - Required

10. Is Fire pump installed (9.4):  
    - Yes  
    - No  
    - N/A
    
    a. UL Listed Fire pump installed per NFPA 20:  
       - Yes  
       - No
    
    b. Is the fire pump located in compliant room:  
       - Yes  
       - No
    
    c. Fire pump Specifications:  
       - Provided  
       - Required

11. Distance from Heat Sources (6.2.3):  
    - Yes  
    - No  
    - N/A

12. Design discharge of min 0.05 gpm/sq.ft complies (7.1.1.1):  
    - Yes  
    - No

13. Design area location identified (7.1.1.3):  
    - Yes  
    - No
    
    a. Most hydraulically demanding area used:  
       - Yes  
       - No
    
    b. Number of design sprinklers: ___________

14. Sprinkler Coverage adequate / exceeds maximum coverage area:  
    - Yes  
    - No

15. Sprinkler spacing adequate – slope (6.4.2):  
    - Yes  
    - No

16. Minimum Operating pressure of sprinkler heads complies with manuf. specifications and minimum 7 psi (6.4.5):  
    - Yes  
    - No

17. Position of sprinklers adequate (6.4.6):  
    - Yes  
    - No

18. Obstructions considered (6.4.6.3):  
    - Yes  
    - No  
    - N/A

19. Sprinklers in garages (7.3):  
    - Provided  
    - Required  
    - N/A
NFPA 13R SPRINKLER PLAN REVIEW CHECKLIST

20. Sprinkler heads located in all required areas (6.6):
   □ Yes   □ No
   a. Exempt locations checked: □ Yes □ No

21. Hydraulic calculations provided: □ Yes □ No
   A. Nodes correspond to FSP: □ Yes □ No
   B. Summary sheet and detailed worksheet
      □ Provided □ Required
   C. Supply and demand
      □ Provided □ Required
   D. Graph sheet (including pump sheet if applicable)
      □ Provided □ Required
   E. Adequate supply for system demand
      □ Provided □ Required
   F. Control values for shutoff (6.8.1):
      □ Provided □ Required
   G. Test and drain connection (6.9/6.10):
      □ Provided □ Required

*Additional sprinkler head specifications: