



**NFPA 13 SPRINKLER
 PLAN REVIEW CHECKLIST**

I. Administrative

- Professional seal on four sets of construction documents: Provided Required
- Four sets of hydraulic calculations with Professional Seal w/ one wet seal (A304.1): Provided Required
- Work done by licensed FSS contractor: Yes No

II. Pre-Requisite Approvals

- Historic Commission approval: Provided Required N/A
- Water available stamp: Provided Required
- Approved building permit provide: _____
- PA Health Department Approval: Provided Required N/A
- Asbestos Investigation Report: Provided Required N/A

III. Supplemental Documents

- PWD Flow test data Screenshot: Provided Required
- CP-100 (New BFP) / CU-100 (Existing BFP): Provided Required
- Backflow system approved on PWD list: Yes No N/A
- Backflow installer certified on PWD list: Yes No N/A

IV. Plan Review

- Type of system: Wet Dry/Antifreeze
- FDC provided/complaint (6.7): Yes No
- Backflow provided and positioned correctly (8.17.4.5.1): Yes No

- Sprinkler head specifications for all types* (6.2):
 - Type: _____ / _____
 - Make & model: _____ / _____
 - K factor: _____ / _____
 - Maximum coverage: _____ / _____
 - Minimum spacing: _____ / _____
- Identify Classification of Occupancies (11.2.1.2):

 Light Hazard

 Ordinary Hazard, G1 Extra Hazard, G1

 Ordinary Hazard, G2 Extra Hazard, G2
- Design method (11.2.3.2):

 Density/Area Room Area Design

 Pipe Schedule

 Special Design/Other: _____
- FSP corresponds to approved bldg plan: Yes No
- Sprinkler piping path is continuous to all heads: Yes No
- Service line size defined and shown on plan: Yes No
- Riser Diagram @ Service area/Point of entry: Provided Required
- Is Fire pump installed (F913): Yes No N/A
 - UL Listed Fire pump installed per NFPA 20: Yes No
 - Is the fire pump located in compliant room: Yes No
 - Fire pump Specifications: Provided Required
- Distance from Heat Sources (8.3.2): Yes No N/A
- Minimum Operating pressure of sprinkler heads complies with manuf. specifications and minimum 7 psi: Yes No



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14. Design area location identified on plan (11.2.3.1.1):

Yes No

a. Most hydraulically demanding area used:

Yes No

b. Number of design sprinklers: _____

15. Design area and density provided per applicable design area curve (11.2.3.1.1): Yes No

16. *Sprinkler Head Positions Review Form completed on sheet 3 of 3.*

17. Sprinkler heads located in all required areas:

Yes No

a. Exempt locations checked: Yes No

18. Compliant Hangers (Chapt. 9): Yes No

19. Hydraulic calculations provided: Yes No

A. Nodes correspond to FSP: Yes No

B. Summary sheet and detailed worksheet

Provided Required

C. Supply and demand curve

Provided Required

i. Adequate supply for system demand

Yes No

ii. Pump curve superimposed

Yes No

D. Control values for shutoff:

Provided Required

E. Test and drain connection:

Provided Required

F. Inside/outside Hose stream allowance (11.1.6):

Provided Required

**Additional sprinkler head specifications:*



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CHECK ALL THAT APPLY:

| Sprinkler Positioning Review | | | | | | | |
|--|-----------------------------------|-------------------|--|-------------------------------------|-----------------------|----------------|----------------|
| NFPA 13 | Standard Upright/Pendant (8.6) | Sidewall (8.7) | Extended Coverage Upright/Pendent (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) | | | | | | | |