



Miami-Dade Fire Rescue Fire Sprinkler Pre-Submittal Checklist



	Process # _____ Permit # _____				Date: ____/____/____
	Fire Department Application #	YES	NO	N/A	LOCATION/COMMENTS
	Project Name:				
	Address:				
1	Two sets of plans completely assembled and collated with job and contractor's title block.				
2	All sheets secured and shall be numbered consecutively.				
3	Scope of work in details required. Existing and/or new occupancy of building.				
4	Key plan with underground, PIV, FDC, Fire Hydrant and Riser location.				
5	Copy of Miami Dade Fire Department's Flow Test with calculations.				
6	Fire hydrant shall be located within 150 feet of FDC. Show on plans.				
7	PIV shall be located not less than 40 feet from building.				
8	PIV and Back Flow shall be protected from damage of any type.				
9	Systems over 51 heads require P.E. signature, seal, and title block.				
10	Show design area in details and reduction by code reference number.				
11	Design calculations are for most demanding areas. (farthest and must GPM, PSI)				
12	Show elevations interior and exterior of building in feet of each floor or show details of all soffits or any change of ceiling level.				
13	Provide head schedule on each sheet; amount and total job count.				
14	Use NFPA -13 (1999) for sprinklers and NFPA-14 (2000) for standpipes.				
15	Use NFPA-13R (1999) for residential up to 4 stories in height only.				
17	New work after January 2005, use NFPA-13, NFPA-13R, NFPA-24 (2002), NFPA-14 (2003), and NFPA-20 (1999).				
18	Complete specifications sheets are provided for all devices, control units, and components.				
19	Multipurpose piping system shall show on calculations domestic demands.				
20	Residential design over 4 stories shall use NFPA-13-772.3 or 7-9.2.				
21	NFPA-13 residential design must maintain .1 density at all times.				
22	Building over 3 stories or 50 feet shall provide standpipes as per NFPA-14.				
23	Relocation of heads on pipe schedules system one head to one only.				
24	Provide manufacturer listed information of existing heads mix with new one same area.				
25	Heads location NFPA-13-5-5 or listed manufacturer specs showing dimensions.				
26	Details any obstructions check Chapter 5 for head positioning.				
27	Provide complete structural details of roof on open ceiling application.				

Designed by: _____ Phone #: _____

Signature: _____



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28	Check code for areas limitation 5-2. Number of Risers and Manifold.	YES	NO	N/A	
29	Warehouses and Storages detail occupancy, commodity class and type.				
30	Storage under 12 feet use table 7-2.3.3.3 detail storage, height, and class.				
31	Storage over 12 feet use Nfpa-13-7-3, details required.				
32	Storage on Racks, use NFPA-13-7-4, details aisles, height, commodity table.				
33	All storages over 12 feet require hose connection. See NFPA-13-7-3.1.1.				
34	On Racks storage show all dimension and separations, types of loading.				
35	All storage must show code reference for design. Check NFPA-13-7-9.8, columns.				
36	High rise building shows standpipes isometric with elevation static and residual.				
37	Provide manufacturer listed submittal data for pump, heads, and valves.				
38	Show on plans pumps, piping, valves, and hanger's schedule.				
39	Only original pump manufacturer's submittal for job will be acceptable.				
40	Show pump room elevation and FEMA minimum flood elevation in feet.				
41	Any pump test report used for design or start-up must be signed & sealed by P.E.				
42	Pump flow and PSI for 100% and 150% with all data required; check NFPA-20 (2000).				
43	Standpipe shall be in stairway or location with same fire rating.				
44	Standpipe or fire piping shall not pass through areas without sprinklers.				
45	Provide calculations for top accessible floor and different occupancy areas.				
46	Check valves limitation to 300 PSI and trash chute high pressure heads.				
47	Check NFPA-13 and 214 for cooling towers sprinkler protection.				
48	Check for all concealed spaces as per code NFPA-13-5-13.				
49	Sprinklers above grid or drop out ceiling check code exceptions.				
50	Additions to existing system provide information in details.				
51	Show all calculations in details; Graphic of flows and pressure required.				
52	Calculations with hydraulic references points must match plans reference points.				
53	Calculations must provide heads schedule with K-Factor, minimum and design pressure.				
54	Show calculations and area of cover, heads with K-Factor, design pressure (GPM & PSI) per head and for total.				

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