



Stafford County Fire and Rescue Department Office of the Fire Marshal

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Acceptance Testing/Inspection Checklist for:

Sprinkler System Hydrostatic Test (852)

Applicable Codes and Standards:

VCC – Virginia Construction Code (2018)

VSFPC – Virginia Statewide Fire Prevention Code (2018)

NFPA 13 – NFPA Standard for the Installation of Automatic Sprinkler Systems (2016)

NFPA 13R – NFPA Standard for the Installations of Residential Sprinkler Systems (2016)

Inspection Basics:

Yes	No	Item	Code Section
		Building address posted and visible from the street?	VCC 110.5
		Applicable construction permit posted?	VCC 110.5
		Approved plans on site?	VCC 109.5

If any of these are “No”, the inspection may be failed immediately

Key Information:

Yes	No	Item	Code Section
		Are all testing areas maintaining at least 40 degrees? Discuss proper installation of insulation in attics or other non-heated areas.	NFPA 13, 24.2.1.3 NFPA 13, 8.16.4
		If the system is connected to the water main, has an 859 flush test been passed successfully?	NFPA 13, 10.10.2.1.1
		Is the system pressure at or above 200 psi? The system pressure is ___ psi at ___ hours. Ensure that the hydro pump is unhooked from the system.	NFPA 13, 24.2.1.1
		Are there any closed valves between the gauge and portion of the system being tested?	NFPA 13, 24.2.1.1
		CPVC piping installed in residential or light hazard areas only?	NFPA 13, 6.3.6.1
		Are plugs being used instead of sprinkler heads in the CPVC piping? (If heads are used, look for glue in the head)	NFPA 13, 6.1.1.1
		Are kick plates present where non-metallic piping passes through areas subject to nails or screws?	NFPA 13, 6.3.6
		Are the piping hangers installed correctly?	NFPA 13, 9.1.1.1
		Are any non-system related items being supported by the system piping or hangers?	NFPA 13, 9.1.1.7
		Has fire stopping material been provided at all system penetrations of rated floor/ceiling/wall partitions?	VCC 701.2
		After visual inspection, is the system leak-free?	NFPA 13, 24.2.1.7
		Are all standpipe hose connections provided with BOTH a 2 ½ inch connection and a 1 ½ inch reducer with cap? Also, a pressure gauge must be provided at the top of each standpipe (verify hydrostatic pressure here as well).	VUSBC 905.6 NFPA 14, 7.3.4.1
		All work completed per the approved plans?	VCC 110.5
		Has the system held the required pressure for 2 hours? The system pressure is ___ psi at ___ hours.	NFPA 13, 24.2.1.1
		Did the gauge drain to zero?	NFPA 13, 24.2.1.8
		Is the NFPA 13 “Contractors Material and Test Certificate for Aboveground Piping” form being filled out? Advise the installer that this form is required for final approval.	NFPA 13, 24.1