



Valley Regional Fire Authority Office of the Fire Marshal

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Acceptance Testing/Inspection Checklist for:

Fire Sprinkler Residential NFPA13D system

Applicable Codes and Standards:

NFPA 13D (2013) – NFPA Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings

Inspection Basics:

Yes	No	Item	Code Section
		Building address posted and visible from the street	IFC 505.1
		Construction permit on site	IFC 105.3.5
		Approved plans on site	IFC 105.4.6

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

Key Information:

Yes	No	Item	Code Section
		Are all areas of the home able to maintain 40 degrees?	NFPA 13D 9.1.1
		Is there a single control valve arranged to shut off both the domestic system and sprinkler system?	NFPA 13D 7.1.1
		Is the system at or above street pressure? _____ PSI	NFPA13D 7.3
		Has system been under pressure for 2 hours?	NFPA 13D 11.2.1.1
		Do sprinkler head temperature ratings and placement match approved set of plans?	NFPA 13D 7.5.6
		Are all sprinkler heads free of paint or damage and installed correctly?	NFPA 13D 7.5.7
		Is piping properly supported and hung to prevent movement?	NFPA 13D 7.4.3
		Are nail plates installed to protect pipe installed through a hole or notch in studs or rafters less than 1 ¼ inch from edge of member?	
		Is adequate insulation provided throughout the attic and other non-heated spaces containing sprinkler piping? Is tenting of pipe properly done?	NFPA 13D 7.7
		Does bucket test meet minimum flow calculations on approved plans? <i>Use the 2 most remote heads in the same compartment as noted on approved on plans. Orifice must be same size as approved head. Simultaneous flow from both heads for 60 seconds.</i>	VRFA requirement
		Is a warning sign provided at the shut-off valve indicating; <i>“The water system for this home supplies fire sprinklers that require certain flows and pressures to fight a fire. Devices that restrict the flow or decrease the pressure or automatically shut off the water to the fire sprinkler system, such as water softeners, filtration systems, and automatic shutoff valves, shall not be added to this system without a review of the fire sprinkler system by a fire protection specialist. Do not remove this sign.”</i>	NFPA 13D 6.3.4

Summary:

		Is work and /or test approved by the VRFA?	NFPA 13D 6.3.4
		Is further work and/or testing required? (see punch list below)	

This checklist is intended as a guide to assist customers with preparing for their inspections. We endeavor to keep all information updated, but the inspector/reviewer has ultimate authority to decide any issues. Please contact the VRFA to get specific information concerning your project.