



Valley Regional Fire Authority Office of the Fire Marshal

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Acceptance Testing/Inspection Checklist for:

Fire Alarm System Device Rough-In Inspection

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.

Applicable Codes and Standards:

- COA– City of Auburn Municipal Code (2015)
- 2015 IFC– International Fire Code, 2015 Edition
- 2015 IMC – international Mechanical Code, 2015 Edition
- NFPA 72 – NFPA Standard for the Installation of Fire Alarm Systems (2010)
- NEC – National Electric Code (2011)

Inspection Basics:

Yes	No	Item	Code Section
		Building address posted and visible from the street?	2015 IFC: 505.1
		Applicable construction permit posted?	2015 IFC 105.3.5
		Approved plans on site?	2015 IFC 105.4.6

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

Key Information:

Yes	No	Item	Code Section
		If testing devices, prior to initiating any alarm signal contact the alarm company, building occupants and Valley Communications Center and place the system out of service for testing.	2015 IFC 901.7
		Is the NFPA 72 Record of Completion being filled out? This form must be completed and the system pre-tested prior to final inspection.	2015 IFC 907.7.2
		Are all devices the same devices listed on the plans, installed and secured in a neat, workmanlike manner wired in accordance with the NEC? Wiring is to be run in conduit, raceways, or fastened along to structural members with straps, staples, cable ties, hangers or similar fittings (not unsecured/sloppy). Where less than 7ft from the floor wiring shall be fastened at intervals of about 18 inches and in rigid conduit where passing through a floor or wall. Wiring shall not be supported by ceiling grids or other system conduit, piping, etc. Any wiring terminations/splices are to be in proper, secured enclosures/boxes.	NFPA 72,12.2.4 NEC 760.130(B) NEC 760.24 NEC 300.11

		Are all devices spaced appropriately for any new walls or rooms? All public and common areas must have visual notification including hallways, conference rooms, bathrooms, etc.	COA COP COALG VRFA 907.5.2.3
		Are visual notification devices unobstructed from view? Are wall mounted devices typically 80"-96" from the floor and ceiling devices no more than 30 feet above the floor?	NFPA 72, 18.5.4
		Are manual pull stations located between 42" and 48" from the floor, within 5 feet of an exit and unobstructed from access?	2015 IFC 907.4.2
		Ensure that ceiling mounted heat/smoke detection devices are NOT located within 4" of a wall and wall mounted devices ARE located between 4"-12" of the ceiling in most cases.	NFPA 72, 17.6.3
		Do ALL notification device locations appear to be sufficient to meet the audible characteristics of the building and NFPA 72 when doors are closed? (Note if a decibel meter will be required for final testing).	NFPA 72, 18.4.3 2015 IFC 907.5.2.1.1
		Ensure that a Knox Box will be provided at the front entrance or other appropriate location. At final inspection the box should include labeled keys for the building including: Building Master Key, Fire Alarm Key, Firefighter Operation Key for Elevators, etc.	2015 IFC 506.1
		Ensure a floor plan will be provided at annunciators for final inspection.	NFPA 72, 10.16.3
		Is the system on a dedicated power circuit that is clearly labeled in red letters as "Fire Alarm System" at the main electrical panel?	NFPA 72, 10.5.5.2
		If the building is provided with a fire alarm system, the <u>duct smoke detectors</u> must be tied into that alarm system (and clearly illustrate the type and location of signal).	2015 IFC 907.3.1
		Is the <u>fire or smoke damper</u> accessible for inspection and maintenance? Is any concealed access clearly labeled? Ensure that access panels in the duct work provided adequate access and are properly sealed.	2015 IMC 607.4
		Is the <u>delayed egress</u> system is connected to the building fire alarm system, has the monitoring company, building occupants and Valley Communications Center been notified of the testing?	2015 IFC 901.7
		If initiating devices are provided, complete a 100% test of all devices. Did all devices activate appropriately and per the approved sequence of operations? (See for <u>DELAYED EGRESS</u> and <u>ACCESS CONTROL LOCKING</u> requirements).	2015 IFC, 901.5 & 1008

Yes	No		
		Is work and /or test approved by the VRFA?	
		Is further work and/or testing required? (see punch list below)	
