



PORTLAND FIRE & RESCUE



Dan Saltzman, Commissioner
Nate Takara, Fire Marshal
Prevention Division
1300 SE Gideon Street
Portland, OR 97202
(503) 823-3770
Fax (503) 823-3969

Date of Inspection: _____ Permit Number: _____

Business/Bldg Name: _____ Address of Project: _____

Contractor: _____ Contractor's Phone: _____

The numbers following checklist comments represent **NFPA code sections** unless otherwise specified.

P = Pass F = Fail NA = Not Applicable

P	F	NA	General
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Received fire alarm installation certification and a Record of Completion from installer, 4.5.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Approved plan on site.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire alarm panel and components match approved plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FACP/Annunciator panel location same as plans and a zone/legend map is provided at the remote annunciator.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Zones are properly identified on the panel(s).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	System has dedicated 120 AC branch circuit and labeling.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Type and gauge of wire or cable(s) match plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Device location and wiring are the same as plans and as required by code.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pull stations are proper height and location, 42" to 54", 200' maximum travel distance.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A Contractor dB pretest list is provided for spot checking.
P	F	NA	Operational
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire alarm warning devices are audible throughout the occupancy at least a minimum of 15 dBA's above ambient noise level or 5 dBA's above maximum noise level. 75 dBA throughout Groups R and I-1 occupancies.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire alarm audibles are a three-pulse temporal pattern.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire alarm accessibility devices (strobes) are proper cd, height, and location, 80" to 96". Adjustable strobes are set on cd as noted on the plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire alarm warning devices will activate by operation of the sprinkler flow alarm.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HVAC duct detectors are supervised by the fire alarm system; fans shutdown, visual and audible status alarm functions, and each detector are tested to verify if it can sample the air stream, Table 10.4.2.2.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 hour monitoring service agency received signals.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify that the correct signal is received: alarm, trouble, and supervisory alarms are to be distinctive signals, 4.4.3.3.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify proper operation of magnetic door-releasing hardware and/or ventilation shutdown.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sprinkler tamper switch causes trouble light and buzzer indication at the annunciator panel only (tamper and flow alarm different type signals).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire alarm emergency phone jacks, if provided, are operational.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	For air sampling and flame detectors, test device per the manufacturer instructions.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Resettable heat and smoke detectors, and pull stations are tested (5-10% sample of total).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trouble condition is caused on each circuit.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remote annunciator receives the correct information.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery stress test: system switched to battery operation for the test;

P	F	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Check battery charger, measure load voltage, and open circuit voltage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Test ground-fault monitoring circuit, if provided.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Under primary and secondary power, these tests are performed:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A. power light on and in normal condition, trouble signal when on secondary power
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B. supervisory signals: fire pumps, water level/temp, pressure switches, control valves
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C. silence switches
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D. a 2nd initiating zone overrides silence switch
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E. trouble signals and panel light operate for each circuit tested, disconnect wires from devices and primary power supply
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F. on secondary power: measure standby and alarm current demand
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G. trouble and alarm reset switches operate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H. emergency voice alarms: the message is clear and distinct
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I. initiating devices tested: audibles, and visuals operate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J. panel lamp test switch operates, if provided
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	K. field zone/address signals corresponded with panel zones/address
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L. elevator(s) recall to designated floor and alternate floor per Elevator Code
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other systems activate fire alarm: kitchen hood suppression system, clean agent, HVAC duct detectors (>2,000cfm), etc.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	As-builts are required when system installation is not the same as the plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Loop resistance is within specs, test may be required if system wiring changed from plans.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Time from activating an initiating device to activation of a safety function or notification shall not exceed 10 seconds.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Visual devices are: wall mounted 80" to 96" above the floor, in a room or adjacent space with more than 2 devices within the field of view, the flash is synchronized, 4-4.4.1.1. In a corridor with more than 2 devices within the field of view and a minimum spacing of 55', they are synchronized, 4-4.4.2.3.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Supplemental (extra) visual devices are permitted to be mounted less than 80" above the floor.

*Note: additional testing criteria is found in NFPA 72: 10.

Additional Comments:

Inspection Date	Approve	Disapprove	FD Inspector
_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	_____