



Date of Inspection: \_\_\_\_\_ Permit Number: \_\_\_\_\_  
 Business/Building Name: \_\_\_\_\_ Address of Project: \_\_\_\_\_  
 Contractor: \_\_\_\_\_ Contractor's Phone: \_\_\_\_\_

**Pass | Fail | NA GENERAL**

- 1.   Obtain a copy of the Fire Alarm System (FAS) Record of Completion & Inspection and Testing form from the installer.
- 2.   Approved plans are on site.
- 3.    Graphic map of initiation appliances; for the following: hospitals; malls; fire command centers; smoke exhaust or other specialty systems are present; zoned systems.
- 4.    Device location & installation are consistent with the approved plans.
- 5.    Pull stations installed at the proper height & location, 42 in. to 48 in. above finished floor, no more than 5 ft. from exit edge & are consistent with the approved plans.
- 6.    Smoke detectors are installed proper distance from HVAC diffusers, high air movement areas, per the approved plans.
- 7.    Spot heat and smoke detectors are not within 4 in. of the sidewall, or if on the sidewall, the detector is 4 in. to 12 in. from the ceiling.
- 8.    Fire alarm emergency voice notification is tested & documentation provided verifying notification is distinguishable and understandable.

**PANEL**

- 9.    The FACP power supply is a dedicated 120 AC branch circuit, with a lockout & labeled in red "FIRE ALARM CIRCUIT" at the electrical panel. The FACP is labeled with the primary power source electrical panel identifier, breaker number, and location of the electrical panel.
- 10.    Battery load test: the system was switched to battery operation 24 hours before the test and in Inspector's presence the notification devices are activated by an initiating device & operate for 5 minutes, or 15 minutes for emergency voice alarms.
- 11.    Verify signal receipt to dispatch. (One device.)
- 12.    24 hour monitoring service agency received all signals during system tests.
- 13.    Verify correct and distinctive signals are received (alarm, trouble, and supervisory alarms).
- 14.    Two means of communicating with the monitoring company are provided & both means send correct signals to monitoring company within 90 seconds. Each such means will cause a trouble signal at the monitoring station upon loss of connection, and the other one will then take over signal transmissions.
- 15.    Trouble condition is created for each circuit (initiation, notification, and signaling line circuits) and the FACP responds appropriately.
- 16.    The FACP and the RA accurately receive and present all information correctly.
- 17.    Ground-fault monitoring circuit(s) operate as designed.

**OPERATIONAL TESTING**

- 18.    Under primary and secondary power, the following tests are performed:
  - A.    Power light is on and panel is in normal condition, trouble signal indicates on secondary power
  - B.    Silence switch functions
  - C.    A 2<sup>nd</sup> alarm initiating zone overrides silence switch
  - D.    Trouble and alarm reset switches operate
  - E.    Emergency voice alarms are clear and distinct
  - F.    Zones or device address signals correspond with FACP & RA zones or respective addresses.
  - G.    Elevator(s) recall to primary, and alternate recall floors as intended. Primary \_\_\_ Alternate \_\_\_.
- 19.    Other systems activate the FAS, i.e. kitchen hood suppression system, clean agent, etc.
- 20.    Verify proper operation of fire-safety function (elevator recall, magnetic door-releasing or unlocking hardware, HVAC shutdown, suppression system releasing)
- 21.    HVAC duct detectors are supervised by the FACP, detectors are all tested verifying proper air stream sampling, fan shutdown, and visual & audible alarm status function(s). (Supervisory)
- 22.    Duct Detector Indicator(s) installed and working per the approved plans.
- 23.    For flame or other type of detectors, test the device in accordance with the manufacturer instructions.
- 24.    Heat & smoke detectors, and pull stations are tested (min. 25% sample of the each circuit or greater if Inspector requires based on testing results).

# **Fire Alarm System Acceptance Inspection**

- 25.    Fire sprinkler monitoring systems create appropriate alarm, supervisory & trouble signals at FACP & RA; flow, pressure, tamper, low/high air, fire pump (running, power loss, phase reversal, etc.), water level/temp, room temp, etc.
- 26.    FAS notification devices activate with initiating device activation. In addition, exterior notification device activates only with water flow alarm.
- 27.    Fire alarm audibles are a three-pulse temporal pattern unless otherwise approved, i.e. Chimes at Nurses Stations.
- 28.    Fire alarm visual notification device intensity (cd) ratings & settings, mounting height (80 in. to 96 in.), and location are consistent with the approved plans. (Ceiling devices are listed for use.)
- 29.    Fire alarm notification devices will activate by operation of the sprinkler water flow device.
- 30.    Visual devices in a room, adjacent space, or a corridor, with 3 or more devices within the field of view, are synchronized.

\*Note: This report certifies this fire and life safety system has been inspected for reliability to cover the items listed in the report and consistent with NFPA 72 Standard and ICC Codes. This report does not constitute all of the required inspecting and testing. Refer to the NFPA 72 Standard, and the International Fire Code for inspection and testing requirements.

### Additional Comments


Inspection Date: \_\_\_\_\_

Approved or Disapproved

FD Inspector: \_\_\_\_\_

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FD Inspector: \_\_\_\_\_