



**Paris Fire Department
Bureau of Fire Prevention
Office of
Fire Marshal**

**135 1st S.E., Paris, Texas 75460
Telephone: 903-784-9226 Fax: 903-785-8519**



Rough Fire Alarm Inspection Checklist

Listed below are the most common code violations found by inspectors. Please use the list as a guide to ensure compliance (list is not all inclusive).

1. **Verify** the installing contractor has a valid State issued licences, and City of Paris permit. Approved plans should be on site. No fire inspection will be conducted until a permit is identified on site, and approved plans are provided to the inspector.
2. Consult the approved plans. **Verify the following:** Proper wiring type is being used. In plenum spaces cabled shall be Type NPLFP or FPLP. **NEC 760.3 (B)**
3. Cables installed in risers shall be Type NPLFR or FPLR. **NEC 760**
4. Proper separation of wiring. Generally speaking, fire alarm cables (low voltage) may not be run in the same raceway as other conductors or wiring. Using the same raceway is sometimes permitted with the use of separation or barriers. **NEC 760.3 (G) and NEC 300.8**

A rough wire inspection may not be required if just replacing FACP as one unit. However if additions to existing devices where new wire or circuits are run, or existing devices are made inoperable then all unused devices and their wiring has to be removed or tagged, and this may trigger required rough wire inspection. **NEC 760.25**
5. Fire alarm wiring run in underground conduits, or above ground must be listed for wet locations. **NEC 760.3 (D), 760.176, 310.10 (C)**
6. Installed wiring is of proper conductor type and proper wire gauge (diameter size). This should be stated on the approved plans. **IBC/IFC 907.1.2 (9.)**
7. Fire alarm wiring or equipment has not been painted or damaged during installation. **NEC 760.24, 110.11, 110.12, 300.4**
8. Proper support of all conduit, and protection from physical damage
NEC 760.24, 300.4
9. Proper support of all cabinets, cutout boxes, outlet, device, pull, and junction boxes **NEC 312, and 314**
10. Support of all open conductors at intervals that will prevent damage to the conductors. **NEC 760.24**
11. No conductors are to be attached, in any way, to any conduit, piping or raceway.
NEC 760.143



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12. No conductors are to be supported by a drop ceiling or its' support wires.
NEC 300.11
Note: There are exceptions based on the fire rating or non- fire rated assembly of the ceiling, and for use of independent support wires. Be aware using these exceptions or independent support should be indicated on the approved plans. And are considerations and design measures that should have been considered during plan review.
13. Conduit nipples/pass-troughs/sleeves are installed thru penetrations in walls or floors. **NEC 760.53**
14. There is a protective bushing installed on these nipples. **NEC 300.4, 300.16**
15. In fire rated assemblies, penetrations are to be sealed by approved method.
IFC 703.1
16. Location of all fire alarm system devices - Devices shall be mounted, and splices made in a box. **NEC 760**
17. Pull stations/Manual fire alarm boxes – Shall be located not more than 5 feet from the entrance to each exit. **IBC 907.4.2.1 IFC 907.4.2.1**
18. Additional Pull stations/Manual fire alarm boxes – Shall be located so that the travel distance to the nearest box does not exceed 200 feet.
IBC 907.4.2.1 IFC 907.4.2.1
19. Height of Pull stations/Manual fire alarm boxes - shall be a minimum of 42 inches and a maximum of 48 inches, measured vertically from the finished floor level to the activating handle or lever of the box. **IBC 907.4.2.2 IFC 907.4.2.2**
Note: be aware that sometimes the requirement for pull stations are exempted because the facility is sprinkled. See the plans--this should have been considered during plan review.
20. Visual devices-mount so lens is not less than 80" and not more than 96" above the finished floor. **NFPA 72 18.5.5.1**
21. Audible device-if ceiling height allows not less than 90" Above Finished Floor, and not less than 6" below ceiling. **NFPA 72 18.4.8.1**



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22. Smoke detectors (spot type) do not locate within 3' of air supplies diffusers or returns. **NFPA 72 A.17.7.4.1**
23. Smoke detectors (above an FACP)- if ceiling height 15' or less mount on ceiling. If ceiling height greater than 15' mount on the wall above panel within 60" of top of panel. **NFPA 72 A.17.7.4.10 *Note* Smoke collector/shelf may be required.**

Note: See the plans--this should be considered during plan review. Be aware that sometimes the requirement for smoke detectors is exempted because the facility is sprinkled. The smoke detector above the FACP DOES NOT receive this exemption if location/space of FACP is not continuously occupied. **NFPA 72 4.4.5**

24. Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan. **NFPA 72 29.8.3.4**
25. Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan. **NFPA 72 29.8.3.4**
26. Location of fire alarm control panel. Is the FACP in location shown on AHJ approved plans? If not in the approved location--why? If valid reason for relocation makes sense - record new location on job plans. "As built" plans are required to be submitted to Fire Marshal. If the location doesn't make sense it is a violation. **IBC 114.1**

Note: Panels in stairways and in inaccessible areas are not acceptable.

27. Breaker that powers the fire alarm panel supplies no other equipment. **NFPA 72 10.6**

The breaker shall have **red** identification and shall be marked in the power panel "**Fire Alarm Circuit**". The location and circuit number of the power line to the fire alarm panel shall be marked on the inside of the fire alarm panel. **NFPA 72 10.6**

28. Location of remote annunciator panel(s), should be at locations of first response. **NFPA 72 10.18.3**
29. **Verify** unused or abandoned fire alarm wiring, cables or devices have been removed. If not removed for the rough inspection, it must be removed before final approval of the system. **NEC 760.25**