



**North Lauderdale
Department of Fire and Rescue Services
Fire Prevention Bureau**

6151 Bailey Road
North Lauderdale, Florida 33068
954 720-4315 Main Number
954 979-5982 Fax Number

FIRE ALARM SHOP DRAWING SUBMITTAL REQUIREMENTS

A **Fire Alarm System Shop Drawing** is required for review by the Fire Prevention Bureau for any modification(s) or change(s) to existing fire alarm systems and any new installations. The Fire Alarm System Shop Drawing(s) must include but not limited to all of the information listed below. ***If any portion does not apply, a note must be provided on the plan stating that it is not applicable.*** If any portion of the requested information is not provided or clarified, the plan will be returned for that provision or clarification to be made and a re-examination fee may apply.

Should you have any questions, please contact the Fire Prevention Bureau with the information provided in the letterhead.

THE FIRE ALARM SYSTEM SHOP DRAWINGS MUST INCLUDE BUT NOT LIMITED TO ALL OF THE FOLLOWING:

1. A detailed Scope of Work
2. A Scaled plan with the scale indicated
3. North Directional Indicator
4. A total square footage of the work area or tenant space
5. A complete legend in accordance with the Fire Safety Symbols of N.F.P.A. 170, 2009 Edition (to include all symbols related to plan).
6. The plans must be signed and sealed by the architect and/or engineer. If the job value is less than \$5,000.00 and the plan is not signed and sealed by the architect or engineer, provide a copy of the signed contract with the plan submittal.
7. A note on the plans that the Fire Alarm System shall be installed in accordance with the most currently adopted N.F.P.A. 72, Edition, shall comply with all requirements of the Florida Fire Prevention Code, 5th Edition, The Broward County Amendments to the Florida Fire Prevention Code, N.F.P.A. 101 (Life Safety Code), 2012 Edition, and N.F.P.A. 1 (Uniform Fire Code), 2012 Edition and the applicable FS Uniform Fire Safety Standards 69A.

8. Identify the Occupancy Classification for which the alarm systems is being installed (If the occupancy is mixed provide the percentage and square footage of each occupancy by way of a note).

9. A Sequence of Operation for the Fire Alarm System

10. A sequence of operation for the elevator recall for Fire Fighters' service in accordance with ANSI/ASME A17.1-2000 (**where applicable**)

11. Battery Calculations to include voltage drops

12. Product Spec Sheets for all devices and appliances (to also include water gongs/alarms, tamper switches and flow switches for sprinkler systems) associated with the fire alarm system.

13. Identify the locations of any water gongs/alarms, tamper switches and flow switches if included in the fire alarm system.

14. Hi-Lite all stand-by & alarm currents, decibel levels and light type/source/candela applicable to each device and appliance on each of the product spec sheets. If this information is not provided on the product spec sheets, provide other documentation from the manufacturer which indicates current draws, decibel levels and light types as requested.

15. Indicate the maximum spacing requirement between smoke detectors as stipulated by the manufacturer. Hi-Lite this information on product spec sheets. If this information is not provided on the product spec sheets, provide other documentation from the manufacturer which indicates the maximum spacing.

16. Indicate the maximum spacing requirement between visible notification appliances (wall mounted and ceiling mounted) as stipulated by the manufacturer. Hi-Lite this information on product spec sheets. If this information is not provided on the product spec sheets, provide other documentation from the manufacturer which indicates the maximum spacing.

17. Indicate the maximum spacing requirement between audible notification appliances as stipulated by the manufacturer. Hi-Lite this information on product spec sheets. If this information is not provided on the product spec sheets, provide other documentation from the manufacturer which indicates the maximum spacing.

18. A complete wiring diagram/schematic

19. Indicate the Class and Style of the initiating device circuits, notification appliance circuits, and signaling line circuits. See N.F.P.A. 72 (2010 edition).

20. A note or demonstrate on the plan the communication method intended for use in transmitting an alarm signal to the supervising station (DACT/DACS, DARR/DART, Two-Way Radio Frequency, One-Way Private Radio Alarm, etc.). See N.F.P.A. 72 (2010 edition).

21. If this system is utilizing a DACT, provide information on the intended transmission channels to be utilized for this fire alarm system in accordance with See N.F.P.A. 72 (2010 edition) (i.e. Two telephone lines one of which is a dedicated line)

22. Identify Smoke or Heat Detector at the FACP

23. A PDF or TIF format copy of the entire plan on disc to include battery calculations, product spec sheets and all other associated information. (For Fire Department Use in Pre-Fire Planning Only)

24. If any item(s) is overlooked in the plan review process and discovered during the field inspection it **MUST** be corrected to meet the actual code requirements.

25. (If available) A PDF format copy of the **complete set of approved plans**. They can be sent via email to dsweet@nlauderdale.org or in CD format mailed to the Fire Prevention Bureau: 6151 Bailey Rd North Lauderdale, FL 33068 (For Fire Department Pre-Fire Planning Use Only).

*****NOTE***NOTE***NOTE***NOTE***NOTE*****

A letter-format response is required for all corrections made to any portion(s) of the plan indicating the page or sheet numbers where the corrections can be found. Failure to provide this letter format response will result in the plan being rejected without review. Additional plan review fees shall be applied.

If any item(s) is overlooked in the plan review process and discovered during the field inspection it **MUST be corrected to meet the actual code requirements.**

FIRE ALARM NOTES TO BE PROVIDED ON THE PLAN

26. The Fire Alarm System shall be installed in accordance with N.F.P.A. 72, 2010 Edition

27. All of the following items and records shall be provided at the time of final inspection (N.F.P.A. 101:9.6; N.F.P.A. 72:10.2):

- A log book (notebook) – With the address of the property protected on the cover.
- A record of all contact numbers (Building & Business Owners, Monitoring Company, Company that provided the system install, Contracted Service Company, etc.)
- Fire Alarm System Record of Completion
- A copy of the approved “As-Built” plans for the Fire Alarm System to include locations of each device and a number corresponding to each device
- The procedures for maintenance, inspection, and testing of fire detection, alarm, and communications systems.
- A copy of the original equipment product spec sheet submittals
- Operational Manuals
- Required testing and maintenance log.