



Sanford Fire Department

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REQUIRED CONSTRUCTION DOCUMENTS FOR FIRE ALARM SYSTEMS

All construction documents shall meet the minimum requirements of NFPA 72, NCFC and the City of Sanford Fire Department.

Shop drawings should include to an extent commensurate with the extent of the work being performed, floor plan drawings, riser diagrams, control panel wiring diagrams, devices and any other material listed below. *All plans are subject to rejection if these items are not included in submittal.*

All shop drawings should be drawn on sheets of uniform size and should include the following information:

1. Name of owner and occupant
2. Location, including street address
3. Device Legend
4. Date

Floor plan drawings should be drawn to an indicated scale and should include the following information:

1. Floor identification

2. Point of compass
3. Graphic scale
4. All walls and doors
5. All partitions extending to within 0.5 m (18 in.) of the ceiling
6. Room descriptions
7. Fire alarm device/ Component locations
8. Locations of fire alarm primary power connection(s)
9. Locations of monitor/ control interfaces to other systems
10. Riser locations

Fire alarm riser diagrams should include the following information:

1. General arrangement of the system, in building cross section
2. Number of risers
3. Type and number of circuits in each riser
4. Type and number of fire alarm system components/ devices on each circuit, on each floor level.

Fire Alarm documents *shall* include the following:

1. Address of the protected premises
2. Owner of the protected premises
3. Authority having jurisdiction
4. Applicable codes, standards, and other design criteria to which the system is required to comply
5. Type of building construction and occupancy
6. Fire department response point(s) and annunciator locations
7. Type of fire alarm system to be provided

8. Calculations (e.g., secondary supply and voltage drop calculations)
9. Type(s) of fire alarm –initiating devices, supervisory alarm-initiating devices and evacuation notification appliances to be provided.
10. Intended area(s) of coverage
11. Complete list of detection, evacuation signaling, and annunciator zones
12. Complete list of fire safety control functions
13. Notes stating placement of Zone map for FACP and remote annunciator panel(s)
14. Cut sheets for all devices/ Components to be installed.
15. Ceiling and wall heights

All plans submitted are subject to rejection if they do not meet the requirements of NFPA 72 and the North Carolina State Fire Code.

For additional requirements for the City of Sanford Fire Department, please call the numbers listed above.

