



Fire Department Fire Protection System Submittal Requirements

In accordance with the North Carolina Fire Prevention Code Chapter 9 **Construction documents**. The *fire code official* shall have the authority to require *construction documents* and calculations for all *fire protection systems* and to require permits be issued for the installation, rehabilitation or modification of any *fire protection system*. *Construction documents for fire protection systems* shall be submitted for review and approval prior to system installation.

FIRE PROTECTION SYSTEM. *Approved* devices, equipment, and systems or combinations of systems used to detect a fire, activate an alarm, extinguish or control a fire, control or manage smoke and products of a fire or any combination thereof. This includes but not limited to Fire alarm systems, Water-based fire protection systems, Water-mist systems, Carbon dioxide fire-extinguishing system, Halon 1301 fire-extinguishing systems, Dry-chemical extinguishing systems, Wet-chemical extinguishing systems, Clean-agent extinguishing systems.

A minimum of the following information must be submitted:

1. A completed Town of Southern Pines permit application.
2. A detailed written scope of the work to be performed.
3. A scaled and detailed drawing with the system designer indicated and the date of design.

Fire alarm shop drawings. Shop drawings for fire alarm systems shall be submitted for review and approval prior to system installation, and shall include, but not be limited to, all of the following:

1. A floor plan that indicates the use of all rooms.
2. Locations of alarm-initiating devices.
3. Locations of alarm notification appliances, including candela ratings for visible alarm notification appliances.
4. Location of fire alarm control unit, transponders and notification power supplies.
5. Annunciators.
6. Power connection.
7. Battery calculations.
8. Conductor type and sizes.
9. Voltage drop calculations.
10. Manufacturers' data sheets indicating model numbers and listing information for equipment, devices, and materials.
11. Details of ceiling height and construction.
12. The interface of fire safety control functions.
13. Classification of the supervising station.

Additional information may be required prior to approval of the submitted plans. The above-requested information is not all-inclusive.

Installation acceptance testing. Fire detection and alarm systems, fire-extinguishing systems, fire hydrant systems, fire standpipe systems, fire pump systems, private fire service mains and all other *fire protection systems* and appurtenances thereto shall be subject to acceptance tests as contained in the installation standards and as *approved* by the *fire code official*. The *fire code official* shall be notified before any required acceptance testing.

Record of completion. A record of completion in accordance with NFPA 72 verifying that the system has been installed and tested in accordance with the *approved* plans and specifications shall be provided.

Statement of Compliance

Chapter 9 of the North Carolina State Fire Prevention Code states the following:

Before requesting final approval of the installation, where required by the *fire code official*, the installing contractor shall furnish a written statement to the *fire code official* that the subject *fire protection system* has been installed in accordance with *approved* plans and has been tested in accordance with the manufacturer's specifications and the appropriate installation standard. Any deviations from the design standards shall be noted and copies of the approvals for such deviations shall be attached to the written statement.

The above reference Statement of Compliance shall be furnished to the Fire Marshal upon request for a final inspection of any fire protection system installation or modification. This Statement of Compliance shall be on the installing companies' letterhead with the project name and address clearly indicated along with the type of fire protection system installed. The installer shall print their name and sign their name to this Statement of compliance. Additional certifications or information may be required at the final inspection, such as aboveground and belowground test certificates for sprinkler and standpipe systems and record of completion forms for fire alarm systems.

Records information. Initial records shall include the name of the installation contractor, type of components installed, the manufacturer of the components, under this section shall be installed in accordance with this code and the applicable referenced standards.

Appearance of equipment. Any device that has the physical appearance of life safety or fire protection equipment but that does not perform that life safety or fire protection function shall be prohibited.

Systems out of service. Where a required *fire protection system* is out of service, the fire department and the *fire code official* shall be notified immediately and, where required by the *fire code official*, the building shall either be evacuated or an *approved* fire watch shall be provided for all occupants left unprotected by the shutdown until the *fire protection system* has been returned to service. Where utilized, fire watches shall be provided with at least one *approved* means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises and keep watch for fires.

The impairment of any existing fire protection systems must be coordinated with the Fire Marshal utilizing the Southern Pines Fire Department Impairment Program.

Occupancy. It shall be unlawful to occupy any portion of a building or structure until the required fire detection, alarm, and suppression systems have been tested and *approved*.

Staff Contact Information:

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