

COLUMBUS COUNTY FIRE MARSHAL'S OFFICE

FIRE SPRINKLER / STAND PIPE PLAN SUBMITTAL REQUIREMENTS

The following information details the plan review submittal requirements to the Columbus County Fire Marshal's Office for Fire sprinkler /standpipe systems. Submittals should be submitted to:

Columbus County Fire Marshals Office
608 North Thompson Street
Whiteville, North Carolina, 28472

Contact Information:

Shannon Blackman Fire Marshal (910) 640-6613 office or fax (910) 640-1241
Email gsblackman@columbusco.org

Fees and Permit Application Form

- The appropriate completed application form provided by the jurisdiction is required and all permit fees paid before work can start on the job site.

Contractors License

- Proof of current license issued to install fire sprinkler /standpipe systems in North Carolina.

Statement of Compliance

Section 902.2.1 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 standard shall be noted and copies of the approvals for such deviations shall be attached to the written statement.

The above –referenced Statement of Compliance shall be furnished to the Columbus County Fire Marshals Office upon request for a final inspection of any fire protection installation. This Statement of Compliance shall be on the installing companies letterhead with the project name and address clearly indicated along with the fire protection system installed. The installer shall print their name and sign this Statement of Compliance.

Additional certifications or information may be required at the final inspection and the record of completion forms for Fire Sprinkler /Standpipe will be required at final inspection.

FIRE SPRINKLER / STANDPIPE SUBMITTAL REQUIREMENTS

All fire sprinkler /standpipe system plan submittals must include the following lists of information and must be submitted to and approved by the Columbus County Fire Marshals Office prior to any installation per section 901.2 of the North Carolina Fire Prevention Code and the Columbus County Fire Marshal's Office:

1. Submit **Two** sets of plans to Columbus County Fire Marshals Office
2. Provide a cover letter with the following information:
 - a. Project name and complete project address
 - b. Installation Company name and address
 - c. Contact name, Phone number, and Fax number
 - d. Columbus County Building Permit Number (if applicable)
3. A scaled and detailed floor plan with the system designer indicated and the date of design. The preferable scale is 1/8 inch and the scale must be clearly indicated on the plans. An elevation view must also be included. All plans must be sealed by an Engineer.
4. The classification of the commodity to be protected must be indicated. A description of exact commodity and height must be included to verify the correct classification. The storage configuration, if any must also be indicated.
5. The square footage of each riser's protection area and clear notations of any non-sprinkled areas must be indicated.
6. Descriptions and specifications for all the systems components including pipe sizes and sprinkler heads.
7. Hydraulic calculations for the system; this shall include hydraulic calculations for any modifications to a previously hydraulically calculated system.
8. Type of system being installed (ex-Class I Standpipe, NFPA 13 Wet pipe Sprinkler).
9. Standpipe hose thread patterns must be National Standard Thread 2 ½ inch or 5 inch storz connection. (Pending approval of AHJ during plan review on the size of connection. The protection zone is a maximum of 120 feet from the standpipe hose connection as measured around any obstructions.
10. A scaled site plan must be included indicating the FDC location and all on-site fire hydrants. The building and all fire apparatus roadways must also be indicated.
11. The FDC must be 2 ½ inch with National Standard Thread or 5 inch storz connection. (Pending approval of AHJ during plan review on the size of connection)