

Caldwell County Fire Marshal's Office

Phone (828)757-1277

Ricky K. Brown, Fire Marshal
2345 Morganton Blvd.
PO Box 2200
Lenoir NC, 28645

Fax (828)757-1182

COMMERCIAL COOKING HOODS, VENTILATION & FIRE SUPPRESSION SYSTEM GUIDELINES AND PROCEDURES

The North Carolina Fire Prevention Code requires that a construction permit be obtained for the installation of or modification to automatic fire suppression systems. The code also requires that construction documents be submitted for review and approval prior to system installation. The following information and construction documents are required to be provided to the Caldwell County Fire Marshal's Office before a permit will be issued.

1. **Plan Submittal & Drawing Requirements:** A complete set of drawings of the system installation including the hood(s) exhaust duct(s) and appliances along with the interface of the fire suppression system detectors, piping, nozzles, fuel shut-off devices, agent storage container(s), and manual activation device(s) shall be submitted.
2. **Data Sheets Submittal:** Provide manufactures data sheets, model numbers and listing information for equipment, devices, and materials.
3. **System Designer information:** The plans must include the system designer and the date of the design.
4. **Type of extinguishing system:** Identify the type of system and extinguishing agent. Example: NFPA 17 Dry Chemical; NFPA 17-A Wet Chemical; etc.
5. **Hoods, Plenums, and ducts:** Provide the number and dimensions of all hoods, plenums, and exhaust ducts. Must include the location and height of all protection nozzles.
6. **Appliances:** Provide the number, description, type, and dimensions of all appliances being protected. Must include the location and height of nozzles protecting the equipment.
7. **Piping schematics:** Provide the type of pipe, the size, length, support brackets, nozzle locations, nozzle type, etc.
8. **Cylinder(s):** Show the location, size, and type of cylinder(s) or Container(s) for the chemical agent. Must include the total number of flow points (nozzles) in order to verify sizing of the cylinder(s) or container(s).
9. **Shunt trips, shut-offs, and interlocks:** Must include all automatic equipment shunt trips, shut-offs, and interlocks. Provide sequence of operation and identify the equipment they serve.
10. **Detection devices:** The locations, number, type, and temperature rating of all detection devices. This includes fusible links, heat detectors, smoke detectors, etc.
11. **Manual actuation devices:** Provide the location of all manual actuation devices. If more than one manual actuation device is present, then they shall be clearly identified as to the system they serve. Show location of device in relation to the means of egress.
12. **Fire alarm and detection:** If fire alarm and detection system is present, then indicate the point of connection and how it interfaces with the fire alarm and detection system.

The installation of commercial cooking hoods and fire suppression systems must meet all applicable codes, ordinances, and regulations of Caldwell County and the State of North Carolina.

Note: A dry test shall be performed by the installer prior to the acceptance test. A 48 hour Advanced notice is the recommended time for scheduling the acceptance test.

Once the application form and all requested information are received, the Fire Marshal's Office will contact Central Permitting and the Contractor with approval for issuance of a construction permit. The permit will be issued at the Central Permitting Office.

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SUPPRESSION SYSTEM PERMIT APPLICATION

Installation Location

Name of Business _____

Business Address _____

Owner Name _____

Owner Address _____

Phone# _____ Fax# _____

Email Address _____

Fire Hood/Suppression Contractor

Name of Company _____

Name of Installer _____

Company Address _____

Phone# _____ Fax# _____

Email Address _____

Note: Attach a copy of North Carolina Installer License (If not already on file with the Fire Marshal's Office) and General Liability insurance information to this application form.

I hereby certify that the information provided in the application is true and correct the best of my belief; that as permit tee, the installation shall be in accordance with all national, state and local recognized standards and codes governing hood extinguishing systems, whether or not herein specified.

(Signature of Applicant)

(Date)

(Signature of Fire Marshal)

(Date Approved)