

Planning & Development Department

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www.cityofrockhill.com



AUTOMATIC FIRE SUPPRESSION SYSTEM PLAN REVIEW INSTRUCTIONS

WHEN TO USE THIS PROCESS

The Fire Suppression System for an exhaust hood requires a separate plan review and permit.

APPLICATION PROCESS

1. **Submit the following in PDF format through our** Online Services website at www.cityofrockhill.com/oneservices.
 - A. [Commercial building plans submittal form](#)
 - B. Fire extinguishing system plans
 - C. [Trades Permit Application](#)
2. **We will email you an invoice for the required fees**, which also will be paid online.
 - [Fee schedule](#)
3. **City staff will review your plan** and send comments back to the designated contact person on the application within approximately 10 business days. If the plan must be revised, use the [Plan Resubmittal Instructions](#) to guide you in uploading your revised plans.
4. All contractors, subcontractors, and design professionals such as architects and engineers must have a City of Rock Hill [business license](#) before the building permit can be issued.
 - If your business is located outside the City and you would like to request a business license on a “per job” basis, you must submit a copy of your signed contract or other proof of the cost of the project.
5. After the above has been completed, **we will process your permit**, which may take another couple of days.

LICENSURE REQUIREMENTS

Installers must have a state license from the [SC State Fire Marshal's Office](#).

REQUIRED PLAN COMPONENTS

1. Type of system; type of cooking equipment and exhaust system the extinguishing system will be protecting.
2. Detailed system plans that establish compliance with Section 904 and 606 2021 IFC and all applicable standards;
 - a. Certification that the pre-engineered automatic dry- or wet-chemical extinguishing system is be tested in accordance with UL 300 and *listed* and *labeled* for the intended application.

- b. Certification that the automatic fire-extinguishing systems of the following types will be installed in accordance with the referenced standard indicated, as follows:
 - i. Carbon dioxide extinguishing systems, NFPA 12.
 - ii. Automatic sprinkler systems, NFPA 13.
 - iii. Automatic water mist systems, NFPA 750.
 - iv. Foam-water sprinkler system or foam-water spray systems, NFPA 16.
 - v. Dry-chemical extinguishing systems, NFPA 17.
 - vi. Wet-chemical extinguishing systems, NFPA 17A.

3. A floor plan that shows the following:
 - a. Location of the manual actuation device (required to be located at or near a *means of egress* from the cooking area a minimum of 10 feet (3048 mm) and a maximum of 20 feet (6096 mm) from the kitchen exhaust system. The manual actuation device shall be installed not more than 48 inches (1200 mm) nor less than 42 inches (1067 mm) above the floor and shall clearly identify the hazard protected. The manual actuation shall require a maximum force of 40 pounds (178 N) and a maximum movement of 14 inches (356 mm) to actuate the fire suppression system.
 - b. The location and type of portable fire extinguishers.
 - c. The location and type of automatic shutdown system for the fuel or electrical power supply to the cooking equipment. The fuel and electrical supply reset shall be manual.