



# KERNERSVILLE FIRE RESCUE

## Fire Marshal's Office

Post Office Drawer 728 • Kernersville, North Carolina 27285-0728

### COMMERCIAL HOOD SUPPRESSION SYSTEMS

Project Name \_\_\_\_\_  
Dates \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Contractor \_\_\_\_\_  
Witness Initials \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Commercial cooking systems shall be installed in compliance with all locally adopted codes, ordinances and NFPA.

- The automatic fire protection system installed for this application is a listed system, recognized for the protection of commercial cooking equipment and exhaust systems of the type and arrangement protected. Pre-engineered automatic dry and wet-chemical extinguishing systems have been tested in accordance with UL 300, and listed and labeled for the intended application.
- All commercial cooking equipment protected by this system has been installed and connected to the appropriate fuel supply, and the nozzles protecting the exhaust ducts and cooking appliances are in the appropriate position.
- All deep fat fryers have been installed with a t least 16 inches of space between the fryer and surface flames from adjacent cooking equipment, unless a minimum 8-iinch high steel, or tempered glass baffle plate has been installed between the fryer and the surface flames of the adjacent appliance.
- A mechanical (does not rely on electrical power) manual actuation device has been installed at, or near, a means of egress from the cooking area, a minimum of 10 feet and a maximum of 20 feet from the kitchen exhaust system. The manual actuation device is located a minimum of 4.5 feet and a maximum of 5 feet above the floor.
- The maximum force to actuate the manual device is less than 40 pounds and has a maximum movement of 14 inches.
- Instructions for manually operating the fire extinguishing system have been posted conspicuously in the kitchen. An operational test of the link system and the manual actuation device has been performed in compliance with the manufacturer's instruction. During both tests, the fuel and electrical supply shut off, as required.
- The actuation of the fire suppression system automatically shuts down the fuel electrical power supply to the cooking equipment. Gas appliances not requiring protection, but located under the same ventilating equipment, also automatically has the fuel supply and electrical source shut off upon activation.
- The fuel and electrical supply reset is manual.
- Activation of the hood suppression system activates building fire alarm if provided. If no alarm present, an approved bell or horn strobe device must be activated with a sign stating "If alarm sounds Call 911"
- The hood exhaust fan continues to operate after the extinguishing system has been activated, unless fan shutdown is required by a listed component of the ventilation system, or by the design of the extinguishing system.
- Portable fire extinguishers have been provided within a 30 foot travel distance of the cooking equipment. A Class "K" rated portable fire extinguisher is provided in addition to standard extinguishers.
- The listed exhaust system is operating in compliance with the terms of the listings and the manufacturer's instructions.

- There are no dampers installed in the exhaust ducts or exhaust duct systems.
- Motors, lights, and other electrical devices and wiring have not been installed in the ductwork, or in the hood over commercial appliances unless installed in accordance with the terms of the listing.
- A placard identifying the use of the fire extinguisher as a secondary backup means to the automatic fire protection system has been conspicuously placed near each portable extinguisher in the cooking area.

**~~~ COMPLETE THIS SECTION AFTER ALL ABOVE ITEMS HAVE BEEN CHECKED OFF AND WITNESSED BY A MEMBER OF THE FIRE MARSHAL'S OFFICE ~~~**

To the best of my knowledge, the information I provided is true and correct. This fire suppression system has been installed in compliance with NFPA 17A and the State of North Carolina regulations.

\_\_\_\_\_  
**INSTALLER'S SIGNATURE**

**DATE** \_\_\_\_\_

\_\_\_\_\_  
**Fire Department Inspector**

**DATE** \_\_\_\_\_