



**Hillside Fire Department
Fire Prevention Bureau**

523 N. Wolf Road
Hillside, Illinois 60162
708-547-8684

***Kitchen Hood Suppression Systems
Plan Review Checklist***

Date: _____ Permit Number: _____

Business Name: _____ Address: _____

Cooking Suppression System Submittal Requirements:

A Fire Protection System application is required to be completed and submitted with your plans.

A minimum of 4 sets of plans is required to be submitted.

A complete set of manufacturers cut sheets on all devices and appliances are required to be submitted.

A plan review Fee shall be submitted with your plan review.

Appliance Layout Requirements:

If any appliances change in the process of review and approval of plans, as built drawings are required to be submitted. (NFPA 17A, 6.3.6)

All deep fat fryers shall be installed with at least a 16 inch space between the fryer and the surface flames from adjacent cooking equipment. Where a steel or tempered glass baffle plate is installed, a minimum of 8" height between the fryer and surface flames.

The 16 inch space shall not apply. (NFPA 96, 12.1.2.4/12.1.2.5)

System installation requirements:

A Fusible Link shall be provided above each cooking appliance, or in accordance with the manufacturer's specifications. (NFPA 17A, 5.6.1.6)

A Fusible link shall be provided within each exhaust duct opening in accordance with the manufacturing specifications. (NFPA 17A, 5.6.1.5)

A manual pull station to activate the system shall be located within 10' of the hazard, and located within the path of egress. (NFPA 17A, 5.2.1.10)

Discharge nozzles shall be listed for their intended use, (NFPA 17A, 4.3.1)

Discharge nozzles shall be properly selected and installed for the appliance they are intended to protect. _____

Additional Comments: _____

Exhaust System Requirements:

A hood exhaust fan shall continue to operate after the extinguishing system has activated unless otherwise required by the design of the extinguishing system. (NFPA 17A, 8.2.3.1)

When the extinguishing system discharges, makeup air supplied to the hood shall be shut off. (NFPA 17A, 8.3.2)

Fire Alarm Requirements:

The activation of the system shall activate the fire alarm system and shall be shown on a separate zone on the fire alarm control panel. (NFPA 96, 10.6.1/10.6.2)

Fire Extinguisher Requirements:

A class "K" fire extinguisher requires to be installed within 30 feet from the hazard area. (NFPA 10, 5.7.1/5.7.2)

System Approvals and Inspections Required:

Inspection of the nozzle types, and placement from the protected hazard shall be in accordance with the manufacturers specifications.

A function test that requires the activation of the system, the release air through the nozzles. The activation of the fire alarm system is required.

Provide certification by the installing contractor that the system has been installed in accordance with the approved plans and manufacturers specifications. (NFPA 17A, 6.4.2)

System Plan Review Results:

Approved

Not Approved

Completed By: