

## **Minooka Fire Protection District**

### **Hood and Duct Suppression System Requirements**

All hoods covering commercial cooking appliances that produce grease-laden vapors shall be equipped with a hood and duct suppression system as specified in the International Fire Code.

Systems shall be installed in accordance with NFPA 17A.

Systems shall be tied into the building's fire alarm system. If the building does not have a fire alarm system, an approved audio/visual notification device shall be installed in a location determined by the fire code official.

A K-Class extinguisher shall be provided. A warning sign shall be installed advising occupants to activate the system before using an extinguisher.

All pipe penetrations through the hood shall be sealed in an approved manner.

All appliances and electrical equipment under the hood shall shutdown upon system activation.

All contractors shall have a state fire marshal's fire equipment distributor license and are required to submit plans to the fire department for review.

Authorization from Minooka Fire Protection District is required before work on the system can begin.

Two copies (one being PDF electronic format) submittal package shall contain the following:

1. A scaled drawing showing the following details: (A non-scaled drawing will be accepted if all of the necessary dimensions are clearly labeled.)
  - a. The hood, location and size of ducts, and the arrangement of appliances
  - b. The location of detection devices
  - c. The size, length, and arrangement of piping
  - d. Description and location of nozzles
  - e. Location of shut-off devices and any other necessary equipment (For scaled drawings, the locations of the pull station and extinguisher need not conform to the scale.)
2. A complete description, including dimensions, of all appliances Provide information necessary to assure the proper nozzles have been selected—for example, whether fryers have drip trays.
3. Provide manufacturer's specifications (cut-sheets) of the proposed system. At a minimum, cut-sheets shall be provided for the tanks, nozzles, fusible links, alarm devices and shut-off devices and shall verify the following:

- a. The system can support the number of flow points
- b. The nozzles are suitable to protect the hazard
- c. The nozzles are properly located
- d. Pipe size, and length and fitting arrangement complies with the manufacturer's specifications
- e. The links are the appropriate type and temperature rating

An acceptance test shall be conducted and witnessed by the fire department. The test shall include an air test and testing of the alarm and shut-off devices.