

## **Automatic Extinguishing System Submittal Requirements (Kitchen Systems, Paint Spray Booths, etc.)**

The following information must be submitted to and approved by the Forsyth County Fire Department prior to any installation per section 901.2 of the North Carolina State Fire Prevention Code and the Forsyth County Fire Marshals Office:

1. A completed Forsyth County Fire Department permit application along with a fee of \$120.
2. A scaled and detailed floor plan with the system designer indicated and the date of design. The scale must be clearly indicated and an elevation view must also be included.
3. The type of system being installed including the manufacturer's model numbers, UL listing date and total flow points available.
4. The business name and address of the installation must be indicated.
5. The installers name, certification, and date of the last manufacturer's training school attended. Also include a copy of your certificate.
6. Clearly indicate all of the systems components including a piping diagram.
7. Number and dimensions of all exhaust ducts including the location, number and height of all protection nozzles.
8. Number and dimensions of all hoods including the locations, number and height of all protection nozzles.
9. Number and dimensions of all plenums including the location, number and height of all protection nozzles.
10. Number, description, and dimensions of all appliances being protected including the location, number, and height of all protection nozzles.
11. Number, location, and temperature rating of all detection devices.
12. Number and location of all manual activation devices.
13. Type of fuel being utilized and type of shutoffs being provided.
14. Location, type, and size of all portable fire extinguishers.
15. The method of annunciation must be indicated.
16. Booth specifications and UL Listing information.
17. Ventilation specifications and CFM calculations.

Codes used in the review: North Carolina State Fire Protection  
North Carolina State Building  
North Carolina State Mechanical  
Applicable National Fire Protection Association

Standards.

- ◆ Additional information may be required prior to approval of the submitted plans. The above requested information is not all-inclusive.