

**LACONIA FIRE DEPARTMENT  
KITCHEN HOOD FIRE SUPPRESSION SYSTEM  
DESIGN SUBMITTAL REQUIREMENTS**

**Effective January 1, 2024**

Hoods and kitchen fire suppression systems shall be installed when required by codes, ordinances, insurance company requirements, or by the request of the property owner.

To provide guidance to those specifying the design of such systems to be installed in the City of Laconia, NH, the following shall apply:

The standards that will govern the design of these systems shall be as follows:

Most recent editions adopted by the State of New Hampshire

- NFPA 13: Standard for the Installation of Sprinkler Systems
- NFPA 96:
- NFPA 15: Standard for Water Spray Fixed Systems for Fire Protection
- NFPA 16: Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems
- NFPA 1 Uniform Fire Code
- NFPA 101
- International Building Code
- Laconia City Ordinances

\*The Authority Having Jurisdiction reserves the right to increase or add to the above standards if in the opinion of the Authority Having Jurisdiction this becomes necessary for adequate fire protection.

**KITCHEN SUPPRESSION SYSTEM DESIGN SUBMITTAL REQUIREMENTS**

The following information will be a necessary part of submittal (can be sent as pdf file):

- 2 copies of the plans and agent calculations\*\*
- 1 copy of manufacturers cut sheets
- Working plans shall include **all** items detailed in NFPA 96
- A letter certifying that the design meets applicable seismic design parameters shall be submitted by the engineer of record. If seismic design is required, the calculations shall be submitted for review.
- State of NH Professional Engineer's stamp on all commercial sprinkler systems

\*\*If the designer / contractor wish to receive a copy of the plans and calculations back after review, one additional set of plans and a self-addressed and stamped envelope shall be provided.

No formal plan review will occur without the completion of an application for a Fire Prevention Permit. The applicant must obtain this permit at:

**Laconia Fire Department  
Fire Prevention Division  
848 North Main Street  
Laconia, NH 03246**

No authorization is granted for construction or installation of any system until plans have been approved. Please ensure adequate lead-time to allow for the review process.

The Laconia Fire Department requires inspections of the work being done. Please notify the plans reviewer when work is starting and prior to cover-up.

The Laconia Fire Department requires compliance with NFPA 96 Chapter on Systems Acceptance. The installing contractor shall notify the Fire Prevention Division a minimum of 72 hours prior to inspection to arrange time and date.

**NOTE:** Notification of installation beginning will not be accepted or recognized prior to plans being approved. One must allow for 7-10 working days for plans review. It is the responsibility of the fire suppression contractor to make the general contractor aware of this time frame.

Prior to final inspection and request for a Certificate of Occupancy sign-off, a copy of Contractor's Material & Test Certificate of Aboveground and Underground Piping shall be provided.

Suppression systems alarm zoning requirements shall comply with the currently adopted Laconia Fire Alarm Regulations.