

# **LACONIA FIRE DEPARTMENT SPRINKLER & STANDPIPE SYSTEM DESIGN SUBMITTAL REQUIREMENTS**

**Effective January 1, 2024**

Sprinkler and standpipe 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 13D: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes
- NFPA 13R: Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height
- 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 14: Standard for the Installation of Standpipe and Hose Systems
- NFPA 1 Uniform Fire Code
- NFPA 101, 2018 Edition
- 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.

## **SPRINKLER & STANDPIPE SYSTEM DESIGN SUBMITTAL REQUIREMENTS**

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

- 2 copies of the plans and calculations\*\*
- 1 copy of manufacturers cut sheets
- Working plans shall include **all** items detailed in NFPA 13 Chapter on Plans and Calculations
- 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.
- A flow test within the past year is required.
- **State of NH Professional Engineer's stamp on all commercial sprinkler systems**
- NICET Level III certification or higher on all residential sprinkler systems
- FDC location and distance to nearest two hydrants shall be shown. FDC shall be within 300' of a hydrant. FDC shall be a 4" Storz.
- All obstructions; soffits, fans, etc. must be shown on the plan

\*\*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 13 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.

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