



CLARK COUNTY FIRE DEPARTMENT - FIRE PREVENTION BUREAU

4701 W Russell Rd, Las Vegas, NV 89118 • (702) 455-7316

Website: [Fire Department \(clarkcountynv.gov\)](http://Fire Department (clarkcountynv.gov))

Email: FPPCQ@clarkcountynv.gov

Permit Submittal Guideline

NFPA 13 FIRE SPRINKLER SYSTEMS

This guide is to assist in the permitting process for sprinkler systems. A permit is required for the installation of sprinkler systems per 105.6.2 of the IFC.

APPLICABLE CODES:

The following codes and standard apply to this permit.

- *Standard for the Installation of Sprinkler Systems*, NFPA 13, 2022 edition
- *International Fire Code*, 2024 edition (IFC)
- *Clark County Fire Code Amendments*, 2024 edition (CCFC)

NFPA 13 sprinkler systems are required per section 903.2 of the IFC, as adopted by CCFC. The design shall be in accordance with NFPA 13.

SUBMITTAL REQUIREMENTS:

These submittal requirements are not all inclusive, nor are they a limit to the extent of the information, etc., which may be necessary to properly evaluate the submitted plans and documents. Not all items may apply to your project.

1. **PLANS:** To be designed to an indicated architectural scale and sized 30 x 42 inch saved to a .PDF file. Plans shall include all information applicable to project per NFPA 13 2022 Edition Section 28.1.3 as amended by the CCFC.
2. **HYDRAULIC CALCULATIONS:** Complete calculation report per NFPA 13 2022 section 28.4.
3. **MATERIAL DATA:** Provide manufacturers' specification sheets for all components.
4. **SUPPORTING DOCUMENTATION:** Provide documents that support the design. These may include:
 - Approved civil engineering plans
 - Approved Fire Protection Report (FPR) and/or an Alternate Means and Method Report (AMMR)
 - Letter confirming structural integrity of hangers and bracing in light-framed structures (ex. wood truss, z-purlins, c-channel) See Appendix A of this Permit Guide.
 - Originally approved fire suppression plans if re-submitting or modifying an existing system
 - Fire pump acceptance test results dated within 12 months of the submittal date or current pressure reducing valve test report
 - Las Vegas Valley Water District (LVVWD) water supply information
 - If any chemical additives are used in the project under the permit application, provide a copy of the response from LVVWD concerning the system. The LVVWD is to be notified of the use of chemical additives in a sprinkler system.
5. Plans are to be **REVIEWED AND SIGNED** by a NICET Level 2 Designer in Water-Based Fire Protection Systems or a Nevada registered Professional Engineer working in their area of expertise per section 901.2.2. of the 2024 CCFC. **Submittals shall indicate the designer's name, certification number and signature.**

NFPA 13 PERMIT GUIDE

APPENDIX A

EXAMPLE OF CERTIFICATE OF COMPLIANCE OF LOAD BEARING

(PROVIDE ON COMPANY LETTERHEAD)

CERTIFICATE OF COMPLIANCE

FIRE SUPPRESSION SYSTEM STRUCTURAL LOADING

[*INSERT ENGINEER'S NAME AS REGISTERED*] performed and completed the review of the available structural engineering drawings and calculations and/or verified the existing conditions in the field and hereby certifies that the additional loads imposed to the structural members by the proposed fire sprinkler and/or standpipe system(s) design, including piping, attachments and connections being installed under [*INSERT PROJECT NAME, PERMIT NUMBER, REVISION NUMBER AND DATES OF THE DRAWINGS AND CALCUALTIONS*] are within the allowable limits of *Clark County Code 22.04, The Building Code of Clark County*.

REGISTERED DESIGN PROFESSIONAL'S

SEAL HERE