



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 14 - FIRE STANDPIPE SYSTEM

This guide is to assist in the permitting process for standpipe systems. A permit is required for the installation of fire standpipe systems per 105.6.24 of the IFC.

APPLICABLE CODES:

The following codes and standard apply to this permit.

- *Standard for the Installation of Standpipe Systems*, NFPA 14, 2024 edition
- *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)

Standpipe systems shall be installed in accordance with Section 905 of the IFC as amended by the CCFC. The design shall be in accordance with NFPA 14.

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 14 section 11.1.2 as amended by the CCFC.
2. **HYDRAULIC CALCULATIONS:** Complete hydraulic calculations per NFPA 14 section 11.2 and NFPA 14 section 11.1.2 (45) of the CCFC amendments.
3. **MATERIAL DATA:** Provide manufacturer's specification sheets for all components.
4. **SUPPORTING DOCUMENTS:** Provide the documents that support the design. These 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 standpipe 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
5. **Plans to be REVIEWED AND SIGNED** by a NICET Level 2 Designer in Water-Based Fire Protection Systems or a Nevada registered Professional Engineer working the expertise of fire suppression design per section 901.2.2. of the CFCC. **Submittals shall include the designer's name, certification number and signature.**

NFPA 14 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