



Clark County Fire Department

FIRE PREVENTION BUREAU

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John Steinbeck, Fire Chief

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PERMIT GUIDE

TENANT IMPROVEMENTS OR REMODELS TO EXISTING SPRINKLER SYSTEMS

This guide is to assist in the permitting process for a tenant improvement or remodel to existing Sprinkler System. A permit is required for the installation per 105.7.1 of the IFC.

APPLICABLE CODES:

The following codes and standard apply to this permit.

- *Standard for the Installation of Sprinkler Systems, NFPA 13, 2016 edition*
- *International Fire Code, 2018 edition (IFC)*
- *Clark County Fire Code Amendments, 2018 edition (CCFC)*

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

Link to CCFC: See the amendments to codes and standards using the link below:

https://cms8.revize.com/revize/clarknv/Building%20&%20Fire%20Prevention/Codes/ClarkCounty_FireCodeAmendments2018.pdf?t=1598331770575&t=1598331770575

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" saved to a .PDF file. Plans shall include all information applicable to project per NFPA 13 2016 Edition Section 23.1.3 as amended by the CCFC section 23.1.3.1. They shall include the entire area of the scope of work, and sufficient information of the existing building and sprinkler system to review the proposed work.
2. **HYDRAULIC CALCULATIONS:** Complete calculation report per NFPA 13 2016 section 23.3.5, as required for the scope of work.
 - a) Tenant Improvement/remodels that utilize sprinklers with the same K Factor and spacing criteria that matches the K Factor and spacing of the existing fire sprinkler in the same area, and that do not have a change of occupancy hazard classification, do not require supporting calculations.
 - b) Tenant improvements/remodels that require an increase of occupancy hazard classification, are of extra hazard occupancy hazard classification or utilize flexible sprinkler connections, require supporting hydraulic calculations in order to prove the minimum required flow is provided to each sprinkler head.

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- c) If providing hydraulic calculations, a valid water source will need to be proven by a new flow test, fire pump acceptance test, or Pressure Reducing Valve setting.
3. **MATERIAL DATA:** Provide manufacturer's specification sheets for all components.
4. **SUPPORT DOCUMENTATION:** Provide documents that support the design. This would include the approved civil plans, approved Fire Protection Report (FPR)/Alternative Material and Method Report (AMMR), structural approval letter, originally approved plans, flow test results, letter from Water Purveyor (antifreeze systems), fire pump acceptance test and existing component specification sheets that affect system performance such as pressure reducing valves or backflow preventers.
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 in their area of expertise per section 901.2.2. of the CCFC. **Submittals shall include the designer's name, certification number and signature, the licensee's name, contractor's number, NSFM number, and signature.**