



# Clark County Fire Department

## FIRE PREVENTION BUREAU

4701 W. Russell Road • Las Vegas, NV 89118

**John Steinbeck, Fire Chief**

Kelly Blackmon, Sr. Deputy Fire Chief/Fire Marshal

Danny Horvat, Assistant Fire Chief • Wayne Dailey, Assistant Fire Chief



## PERMIT GUIDE

### SPRINKLER SYSTEMS – NFPA 13R

This guide is to assist in the permitting process for a NFPA 13R Sprinkler Systems. 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 in Low-Rise Residential Occupancies, NFPA 13R, 2016 edition*
- *International Fire Code, 2018 edition (IFC)*
- *Clark County Fire Code Amendments, 2018 edition (CCFC)*

NFPA 13R Fire Sprinkler systems are required per section 903.3.1.2 of the IFC as adopted by CCFC. Design shall be in accordance with the 2016 edition of NFPA 13R as amended by CCFC.

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

#### **APPLICABLE CODES:**

**Link to CCFD 2018 IFC Amendments:**

[https://cms8.revize.com/revize/clarknv/Building%20&%20Fire%20Prevention/Codes/ClarkCounty\\_FireCodeAmendments2018.pdf?t=1598331770575&t=1598331770575](https://cms8.revize.com/revize/clarknv/Building%20&%20Fire%20Prevention/Codes/ClarkCounty_FireCodeAmendments2018.pdf?t=1598331770575&t=1598331770575)

#### **SUBMITTAL REQUIREMENTS:**

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 13R 2016 Edition Section 8.1.7 as amended by the CCFC.
2. **HYDRAULIC CALCULATIONS:** Complete calculation report per NFPA 13 2016 section 23.3.5 as directed by NFPA 13R Section 8.2.1.
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.

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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 2018 CCFC. **Submittals shall include the designer’s name, certification number and signature, the licensee’s name, contractor’s number, NSF number, and signature.**