



Clark County Fire Department

FIRE PREVENTION BUREAU

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PERMIT GUIDE

IN-BUILDING RISER – NFPA 24

This guide is to assist in the permitting process for in-building fire suppression system risers. A permit is required for installation of new in-building riser per section 105.7.19 of the IFC.

APPLICABLE CODES:

The following codes and standard apply to this permit.

- *Standard for the Installation of Private Fire Service Mains and Their Appurtenances, NFPA 24 2016 edition*
- *Standard for the Installation of Automatic Sprinklers, NFPA 13, 2016 edition.*
- *International Fire Code, 2018 edition (IFC)*
- *Clark County Fire Code Amendments, 2018 edition (CCFC)*

In-building risers shall be installed in accordance with Section 907.2.1 of the IFC as amended by the CCFC. The design shall be in accordance with NFPA 24 and 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/ClarkCountyFireCodeAmendments2018.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. **CONSTRUCTION DOCUMENTS:** Submittals shall include the following information;
 - a) Project Name, Address, APN number
 - b) Contractor Contact Information including Contractor's License
 - c) Building Permit#
 - d) Point of Compass
 - e) General Notes as required by AHJ
 - f) Overall Site Plan indicating building location and new in-building riser location. Example: Civil site utility plan highlighting new in-building riser location.
 - g) Section cut of riser identifying the following;
 - In-Building riser: make, model, and size
 - Label annular space around riser (Minimum 4 inches larger than the diameter of the In-Building Riser)
 - Kicker/thrust block location

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- Depth of bury-minimum 3 feet-6 inches
 - Method of corrosion protection (Example: wrapping with a minimum 8 mil plastic sheathing or other approved method)
 - Reference Appendix A on page 2 for sample section cut
- h) For Field built risers; Ensure each component and fitting is labelled on section cut and material data is provided for all components.
2. **MATERIAL DATA:** Provide manufacturer's specification sheets for all components.

APPENDIX A-SAMPLE RISER SECTION:

