



CLARK COUNTY FIRE DEPARTMENT
Fire Prevention Bureau
575 E. Flamingo Road, Las Vegas, NV 89119
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Permit Type: 105.7.1
Control Number: A.0
Effective Date: 11/15/11

TITLE: IN-BUILDING SPRINKLER RISER

SCOPE: Clark County Fire Department requirements for the submittal and design of an In-Building Sprinkler Risers, Construction permit.

For new work in existing buildings, see the "New Work in Existing Buildings" guideline.

PURPOSE: To standardize plan/permit requirements required by the Fire Department in accordance with the Clark County Fire Code and local amendments for permits for In-Building Sprinkler Risers. Permits are valid through the duration of construction. Work must commence within 180 days, and remain active with no period of inactivity exceeding 180 days, or the permit becomes invalid.

DEFINITIONS:

Assessor's Parcel Number (APN): A unique number assigned to each property by the Clark County Assessor's office.

Annular space: The space around pipe where it penetrates the foundation or wall

PERMIT FEES:

Permit fees shall be assessed in accordance with the Permit Fee Schedule as adopted in the Clark County Fire Code. For applications that are expedited, additional fees shall apply.

SPECIFICATIONS AND SUBMITTAL REQUIREMENTS:

An application must be completed for each submittal. A minimum of three sets of plans must be submitted with the permit application. Plans shall show compliance with NFPA 24 and the Clark County Fire Code. All submittals must be legible and readable or the plan shall be issued a correction letter for cause.

Plans shall address the following:

1. Name of owner and occupant
2. Location, including street address and APN number.

3. Name, address, phone number, and contractor's license number of installing contractor
4. General notes as required by the AHJ
5. Point of compass
6. Plans shall be suitably dimensioned and shall include the following (see example attached):
 - a. Site plan indicating building, with a North arrow.
 - b. Location of the in-building riser in the building on a plan view with a North arrow.
 - c. Annular space around the riser. The diameter of the hole must be a minimum of 4 inches larger than the diameter of the in-building riser.
 - d. The size of the riser
 - e. The kicker/thrust block
 - f. Depth of bury must be minimum 3 1/2 feet from grade to top of pipe
7. Specification sheets for all components.
8. Label each component of field-built risers.
9. Method of corrosion protection. All ferrous in-building risers shall have corrosion protection by means of wrapping with minimum 8-mil plastic sheathing, or other approved method.

PERMIT REVISIONS AND RESUBMITTALS

Revisions to approved plans are required to be submitted and approved. Revisions will be assessed additional plan review fees. A copy of the previously approved plan shall accompany the revised submittal to facilitate the review. Clearly indicate all changes to the revised plans by clouding the change with a delta number signifying the date of plan change. When several changes have been made, a detailed list of changes is required.

Re-submittals to address a Letter of Correction will require a full submittal. These plans require a copy of the red lined plan from the previous submittal to facilitate the review. Clearly indicate all changes by clouding the change with the delta number to signify the date of plan change.

PLANS CHECK STATUS INSTRUCTIONS:

The status of the review can be checked by logging on to:
www.clarkcountynv.gov/depts/fire.

INSPECTIONS THAT MAY BE REQUIRED AND SCHEDULING INSTRUCTIONS:

If approved, an inspection will need to be scheduled. To schedule an inspection, also go to: www.clarkcountynv.gov/depts/fire. A fire inspector will review your site in accordance with the approved plans and this guideline.

The Clark County Fire Department's Fire Prevention Bureau (FPB) may witness and accept inspection, testing and maintenance of fire and life safety systems conducted by approved individuals as required by and within the scope and authority of the Clark County Fire Code.

This Guideline does not take the place of the Fire Code and does not take precedence over any Fire Code requirement or position taken by the Fire Chief. When a conflict exists between the requirements of this Guideline and the Fire Code or the opinion of the Fire Chief, the Fire Code or opinion of the Fire Chief prevails.

Technical Assistance, when required by the Fire Chief, will require a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.

Acceptance of Alternative Materials and Methods requires a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.

EXAMPLE:

