



Clark County Department of Building & Fire Prevention

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Division:	Building (Plan Examination, Engineering Services & Inspections)	Policy:	BD-PP-204
Subject:	Fire Penetration Submittals	Effective Date:	10/16/2019
Code:	IBC 2018 Chapter 7 Sections 714 and 715	Revised Date:	NEW

A. CODE REQUIREMENT

IBC Chapter 7 Section 714.2 Installation

A listed penetration firestop system shall be installed in accordance with the manufacturer’s installation instructions and the listing criteria.

IBC Chapter 7 Section 715.2 Installation

A fire-resistant joint system shall be securely installed in accordance with the manufacturer’s installation instructions and the listing criteria in or on the joint for its entire length so as not to impair its ability to accommodate expected building movements and to resist the passage of fire and hot gases.

LISTED and LISTING are defined in the 2018 Clark County Building Administrative Code.

B. POLICY

Plan examiners will require Fire Penetration special inspection on permits when the construction documents state penetration firestop and/or fire-resistant joint system special inspection is required or may be required.

Projects that utilize penetration firestop and fire-resistant joint systems that are listed will provide a submittal of these details that has been sealed and stamped approved by the registered design professional of record. The CCDBFP plans examiner will not review and approve these details. These approved details shall be available on the jobsite for use by CCDBFP inspectors and third party special inspectors.

Where conditions exist and construction does not conform to a listed detail, engineering judgements of penetration firestop and fire-resistant joint systems shall be reviewed, sealed and stamped approved by the registered design professional of record. These details shall then be submitted for review and approval by CCDBFP plan examination. CCDBFP staff will log in engineering judgements as a revision on the life safety record for phased construction projects, or on the building permit for standard projects.

When required by IBC Section 1705.17, third party special inspection agencies (QAA’s) will inspect the penetration firestop and fire-resistant joint systems. Any system that is not installed in accordance with the manufacturer’s installation instructions and the listing criteria will be documented on a non-compliance report. In this situation, the contractor must either obtain an approved engineering judgment or remove the work and install a compliant system.

C. RATIONALE

This policy identifies the department’s requirements for use and submittal of firestop and fire penetration details. It is impractical for registered design professionals to pre-approve such details at the time of plan submittal. Phased projects in particular present a unique challenge for documentation control. UL is a listing company that has an established history and provides many of these assembly listings. Implementation of this procedure will help minimize unnecessary review of documents that are customarily accepted at face value and will reduce burden to customers and staff alike.

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Revision History:

Title	Revision/Approved Date	Effective Date
Fire Penetration Submittals	NEW	10/16/2019

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