



# Clark County Department of Building & Fire Prevention

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Division:	Plans Examination & Inspection	Policy & Procedure:	BD-PP-151
Subject:	FIRE-RESISTANT PENETRATION AND JOINT REQUIREMENTS	Effective Date:	12/05/2014
Code:		Revised Date:	New

## A. POLICY:

The architectural plans shall have a statement of special inspection to identify the requirements specified in IBC Section 1705.16.

## B. PROCEDURE:

### Architect of Record

1. Define the fire-rated assemblies and the hourly ratings within the structure.
2. Specify fire-resistant penetration and joint designs on the contract drawings to comply with the required hourly rating for the assembly being protected, or  
Specify fire-resistant penetration and joint designs as a deferred submittal on the contract drawings.
3. Provide to the general contractor listings of CCBD reviewed and accepted fire-resistant penetration and joint designs.

### Plans Examination staff shall

1. Review drawings for conditions which require special inspection in accordance with IBC Section 1705.16.
  - Ensure product specification(s) and the listing designation(s) for fire-resistant penetrations, fire-resistant joints systems and perimeter fire barrier systems are shown on the approved plans. This may be accepted as a deferred submittal, when specifically noted as such.
  - In high-rise buildings (occupiable floor of more than 55' above fire department vehicle access) or in buildings assigned to *Risk Category* III or IV in accordance with Section 1604.5
2. Specify the special inspection requirement in Naviline as Item Y
3. Review and accept fire-resistant penetration and joint design submittals.
  - The review can be limited to a range of listed designs applicable to the typical conditions anticipated in the construction. The typical conditions may be penetrations, head-of-wall, wall joints, and edge-of-slab.
  - The designs must take into account the framing systems (materials), penetration materials, joint geometry and the range of hourly ratings.
  - The submittal may be in a letter format or full size plan sheets with a tabular layout such that any condition in the field may be addressed in the table.
  - Copies of the specific designs identified in the table are not required to be supplied with the deferred submittal.

Installing contractor shall:

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1. Maintain a copy of the CCBD accepted designs issued by the Architect.
2. Procure and maintain copies of the listing documents for use by the building inspector and special inspector.
3. Contractors are required to schedule an initial inspection with the special inspector.
4. Arrange for all installers to perform verification inspections with the special inspector.

**Inspection staff:**

1. The jurisdiction building inspector shall confirm the specific listing selected for use in the field is appropriate.
2. The special inspector shall verify and document installation in accordance with the specific design and compliance to the required hourly rating for the assembly being protected.
3. The jurisdiction building inspector shall approve the final assembly.
4. The special inspection final report shall be reviewed and accepted by CCBD inspection staff prior to final building inspection.

**Revision History:**

<b>POLICY #</b>	<b>TITLE</b>	<b>Effective Date</b>	<b>Revised</b>	<b>Reviewed</b>
BD-PP-151	Fire-Resistant Penetration and Joint Requirements	12/05/2014	New	

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