



SOCOTEC

Inspection Report Type: Fire-resistant Penetrations and Joints

DOB Application #: M00864036
 Address: 1717 Broadway
 Job Name: Granite 1717 Hotel

Time Arrived: 1:00pm
 Time Departed: 4:00pm

Contractor / Site Contact: Dzmitry Cherepko (347) 619-4414

Location and Description of Work inspected:

Brief Summary: The contractor requested a firestop inspection for 3 holes on flr 2. The contractor did not have the required Engineering Judgement for the blank opening. The filled holes cannot be signed off. An NCR was created.

—Construction Documents Review Per ASTM E2174 Section 7

Detail 7A on S-200 requires a hilti firestop system to close the hole opening. The Hilti firestop system was missing from the MGE Submittal #078413-001.03 for a 12” diameter hole. The Hilti website and UL product IQ were searched however none were available for the hole.

Per astm E2174 Socotec notified StroyBat the following tested systems were missing:

- No tested system for an open hole was in the MGE Engineering submittal.
- An Engineering Judgment for 12” diameter hole and 9.5” thick concrete floor is required
- CP620 can be used for through penetrations (pipes conduits etc). No tested system was found on Hilti’s website for blank openings and CP620.

ASTM E2174 Section 8 -Material

- Hilti CP620 Foam is onsite

ASTM E2174 Section 10 - Visual Inspection 10% of each type of firestop system

- Three 12” holes were filled the full thickness of the floor in Bathroom 211 A and B and corridor
- There are a total of 12 holes on the 2nd flr
- 9 holes were completed prior to today (these were not inspected)
- 3 holes were inspected onsite during installation
- Socotec witnessed 3/12 or 25% of this type of firestop today for 2nd flr

Inspection Status:

Reviewed and approved by:

To the best of my knowledge, work inspected and tested (performed or witnessed) was in accordance with applicable Codes and Standards, approved Project Submittals/Plans/Technical Specifications, and applicable workmanship provisions of the Contract except as noted.

Inspector’s Name: Anthony Romano

Date: 2/25/26





Discrepancies



Discrepancy Number: **Date First Observed:** **Resolved:** Yes No

Description: Per ASTM E2174 Section 11 Reporting and section 7 Inspection Documents
- Socotec reviewed the MGE submittal and no tested systems applied to today's firestop. Socotec notified the contractor of the missing documentation.
- the Hilti catalog was checked for CP620 tested systems and none could be found at time of inspection
- The firestop is not approved until an EJ or tested system can be submitted
- The firestop detail will need to be reviewed before final signoff of this type of installation

Discrepancy Number: **Date First Observed:** **Resolved:** Yes No

Description:

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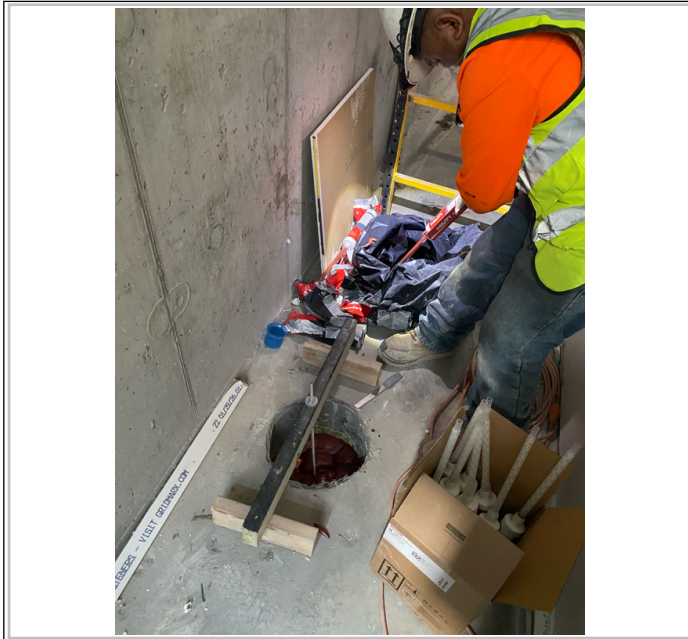
Description:

Inspection Details

Comments:

Per ASTM E2174 Section 11 Reporting

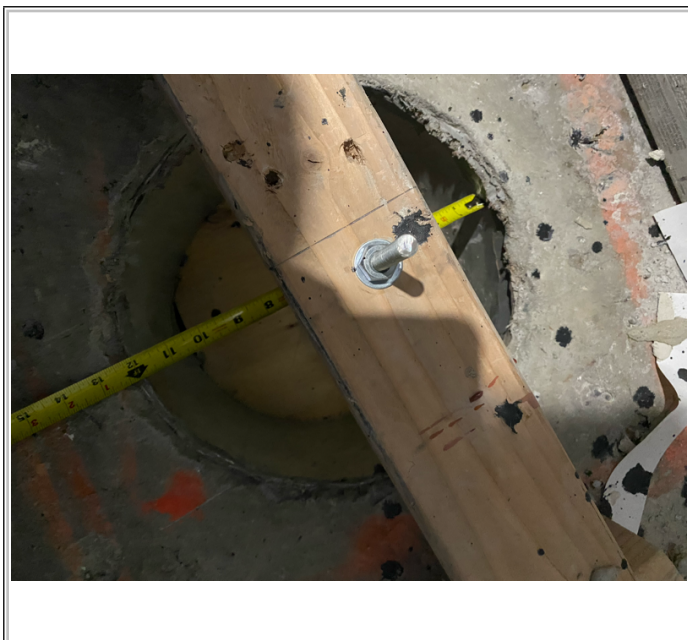
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Per the installation instructions, the oil in the beginning tube is discarded before application. The contractor filled 3 holes full depth.



Hilti CP620 was used however, the material is tested for penetrating items, not for blank openings. The EJ is required.



12" diameter area of circle is 113 sq inches



9.5 inch depth of concrete

Attachment A

Figure 31 – Firestopping Supplemental Report (Sheet 1 of 2)

OBSERVATIONS

1	Approved Submittals & UL Details Reviewed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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2	Fire Stop Material	ASTM / UL Standard
	Hilti CP620	ASTM E814

3	Ambient Temperature (°F)	70F
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4	Verify proper material storage and expirations	NA
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5	Fill, void, or cavity material for required depth and compression Verify annular spaces are per construction documents	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
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6	Firestopping materials inspected for required thickness	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
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7	Was 10% (ASTM E2174) of each type of firestop or 5% (ASTM E2393) of total linear feet for each type of system witnessed? If not, must perform destructive testing.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
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8a	Verifications Method Utilized (ASTM E2174): <i>*Note - Min of 2% but not less than one test for each type of firestop on a floor. If the floor is greater than 10,000sqft, freq. of tests will be every 10,000sqft.</i>		Destructive type verifications	2% Minimum required*
			Disassembly / Reinstallation	
			Visual	100% Required
			Other approved method:	
8b	Verifications Method Utilized (ASTM E2393):		Destructive type verifications	As per EOR, one sampling per 500 linear ft.
			Disassembly / Reinstallation	
			Visual	100% Required
			Other approved method:	

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Attachment A

Figure 31 – Firestopping Supplement Report (Sheet 2 of 2)

INSPECTION DETAILS:

Item #	Type and Location	Floor	Through wall Penetrations	Through slab Penetrations	Edge of Slab	Top of wall	Misc. Construction	Complete	Incomplete	NCR Condition
1.	Per ASTM E2174 Section 11 Reporting and section 7 Inspection Documents - Socotec reviewed the MGE submittal and no tested systems applied to today's firestop. Socotec notified the contractor of the missing documentation. - the Hilti catalog was checked for CP620 tested systems and none could be found at time of inspection									
2.	- The firestop is not approved until an EJ or tested system can be submitted - The firestop detail will need to be reviewed before final signoff of this type of installation									

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