

**Project: 62 India Street – Portland, Maine**  
**Date Prepared: April 07, 2016**

## Statement of Special Inspections – A/M/E/P

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Project: 62 India Street

Location: 62 India Street – Portland, Maine

Owner: India/ Newbury Residences, LLC. – 2730 Transit Road, West Seneca, NY 04224

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This *Statement of Special Inspections* encompass the following discipline:

Mechanical/Electrical/Plumbing

Architectural

Other: \_\_\_\_\_

Design Professional in Responsible Charge:

*Mark Mueller*

Firm Name: Mark Mueller Architects

*(Note: Statement of Special Inspections for other disciplines may be included under a separate cover)*

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This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator (SIC) and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at an interval determined by the RDP, SIC and the BCO.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted to the BCO prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency:

Upon receipt of report \_\_\_\_\_

or  per attached schedule.

Prepared by:

*Mark Mueller*

\_\_\_\_\_  
(type or print name of the Registered Design Professional in Responsible Charge)

Signature



4/7/17  
Date



Owner's Authorization:

Building Code Official's Acceptance:

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Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_  
**Statement of Special Inspections – A/M/E/P (Continued)**

**List of Agents**

Project: 62 India Street  
 Location: 62 India Street, Portland, ME  
 Owner: India/Newbury Residences, LLC -2730 Transit Road, West Seneca, NY 04224  
 This Statement of Special Inspections encompass the following discipline:

- Architectural
- Mechanical/Electrical/Plumbing
- Other: \_\_\_\_\_

(Note: Statement of Special Inspections for other disciplines may be included under a separate cover)

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- Spray Fire Resistant Material
- Exterior Insulation and Finish
- Mechanical & Electrical
- Architectural Systems
- Special Cases

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator (SIC)	Landry/French Construction	160 Pleasant Hill Rd, Scarborough, ME 04074 (207) 730-5566 Rlandry@landryfrenchconstruction.com
2. Special Inspector (SI 1)	S.W. Cole Engineering Inc	286 Portland Rd, Gray ME 04039 207-657-2866
3. Special Inspector (SI 2)		
4. Testing Agency (TA 1)		
5. Testing Agency (TA 2)		
6. Other (O1)		

**Project: 62 India Street – Portland, Maine**

**Date Prepared: April 07, 2016**

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Project: 62 India Street – Portland, Maine  
Date Prepared: April 07, 2016

## Statement of Special Inspections – A/M/E/P (Continued)

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### Final Report of Special Inspections (SIC)

[To be completed by the Special Inspections Coordinator (SIC). Note that all Agent's Final Reports must be received prior to issuance.]

Project: 62 India Street

Location: 62 India Street, Portland, ME 04101

Owner: India/Newbury  
Residences, LLC -2730 Transit  
Road, West Seneca, NY 04224

Architect of Record:	<u>Mark Mueller</u> (name)	<u>Mueller Architects, LLC</u> (firm)
Registered Design Professional in Responsible Charge:	<u>Mark Mueller</u> (name)	<u>Mueller Architects, LLC</u> (firm)

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved.

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,  
Special Inspection Coordinator

Mark Mueller  
(Type or print name)

Mueller Architects, LLC  
(Firm Name)

Signature



07/11/18

Date



Project: 62 India Street – Portland, Maine  
Date Prepared: April 07, 2016

Statement of Special Inspections – A/M/E/P (Continued)  
**Special Inspector's/Agent's Final Report**

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Project: 62 India Street  
Special Inspector or Agent: Roger E. Domingo S.W. Cole Engineering Inc  
(name) (firm)  
Designation:

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To the best of my information, knowledge and belief, the Special Inspections or testing required for this project, and designated for this Inspector/Agent in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved.

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,  
Special Inspector or Agent:

Roger E. Domingo

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(Type or print name)



7/11/18

---

Signature

Date

Nathaniel McArthur

ICC #3835

**Licensed Professional Seal or  
Certification Number**

## Schedule of Special Inspections – A/M/E/P

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### **Qualifications of Inspectors and Testing Technicians**

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided to the Special Inspector for their records. *NOTE VERIFICATION THAT QUALIFIED INDIVIDUALS ARE AVAILABLE TO PERFORM STIPULATED TESTING AND/OR INSPECTION SHOULD BE PROVIDED PRIOR TO SUBMITTING STATEMENT. AGENT QUALIFICATIONS IN SCHEDULE ARE SUGGESTIONS ONLY; FINAL QUALIFICATIONS ARE SUBJECT TO THE DISCRETION OF THE REGISTERED DESIGN PROFESSIONAL PREPARING THE SCHEDULE.*

#### **Key for Minimum Qualifications of Inspection Agents:**

When the Registered Design Professional in Responsible Charge or Special Inspector of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification, license or experience as indicated below, such requirement shall be listed below and shall be clearly identified within the schedule under the Agent Qualification Designation.

RA	Registered Architect – a licensed Registered Architect
PE	Professional Engineer – a licensed PE specializing in the discipline to be inspected
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

#### **Experienced Testing Technician**

ETT	Experienced Testing Technician – An Experienced Testing Technician with a minimum 5 years experience with the stipulated test or inspection
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#### **International Code Council (ICC) Certification**

ICC-SFSI	Spray-Applied Fireproofing Special Inspector
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#### **Exterior Design Institute (EDI) Certification**

EDI-EIFS	EIFS Third Party Inspector
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#### **Other**

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**Schedule of Special Inspections – A/M/E/P**  
**SPRAYED FIRE-RESISTANT MATERIALS**

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
<b>IBC Section 1704.11</b>						
1. Surface Conditions: Verify surfaces are prepared in accordance with the approved fire-resistance design and the approved manufacturer's written instructions prior to application of the sprayed fire-resistant material	Y		IBC 1704.11.1		SW Cole Special Inspector SI 1	
2. Application: Verify the substrate shall have a minimum ambient temperature before and after application as specified in the approved manufacturer's written instruction. The area for application shall be ventilated during and after application as required by the approved manufacturer's written instructions.	Y		IBC 1704.11.2		SW Cole Special Inspector SI 1	
3. Thickness: Verify average thickness of the sprayed fire-resistant materials applied to structural elements shall not be less than the thickness required by the approved fire-resistance design.						
a. Floor, Roofs & Walls: The thickness of the sprayed fire-resistant material applied to floor, roof and wall assemblies shall be determined in accordance with ASTM E 605, taking the average of not less than four measurements for each 1,000 square feet (93 m <sup>2</sup> ) of the sprayed area on each floor or part thereof.	Y		IBC1704.3.1; ASTM E605		SW Cole Special Inspector SI 1	
b. Structural Framing: The thickness of the sprayed fire-resistant material applied to structural members shall be determined in accordance with ASTM E 605. Thickness testing shall be performed on not less than 25 percent of the structural members on each floor.	Y		IBC1704.3.2; ASTM E605		SW Cole Special Inspector SI 1	
4. Density: Verify density of the sprayed fire-resistant material not be less than the density specified in the approved fire-resistant design.	Y		IBC1704.4; ASTM E605		SW Cole Special Inspector SI 1	
5. Bond: Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material applied to structural elements shall not be less than 150 pounds per square foot (psf) (7.18 kN/m <sup>2</sup> ). The cohesive/adhesive bond strength shall be determined in accordance with the field test specified in ASTM E 736 by testing in-place samples.						
a. The test samples for determining the cohesive/adhesive bond strength of the sprayed fire-resistant materials shall be selected from each floor, roof and wall assembly at the rate of not less than one sample for every 10,000 square feet (929 m <sup>2</sup> ) or part thereof of the sprayed area in each story.	Y		IBC 1704.11.5.1; ASTM E 736		SW Cole Special Inspector SI 1	
b. The test samples for determining the cohesive/adhesive bond strength of the sprayed fire-resistant materials shall be selected from beams, girders, joists, trusses and columns at the rate of not less than one sample for each type of structural framing member for each 5,000 square feet (464 m <sup>2</sup> ) of floor area or part thereof in each story.	Y		IBC 1704.11.5.2; ASTM E 736		SW Cole Special Inspector SI 1	

Please reference interim test reports provided by S.W. Cole Engineering, Inc.



Project: 62 India Street – Portland, Maine  
Date Prepared: April 07, 2016

## Contractor's Statement of Responsibility –Exhibit D

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Each contractor responsible for the construction or fabrication of a system or component designated in the Quality Assurance Plan must submit a Statement of Responsibility. The Statement of Responsibility is required for Seismic Design Category C or higher. Make additional copies of this form as required.

Project: 62 India Street

Contractor's Name: Landry/French Construction

Address: 160 Pleasant Hill Rd, Scarborough, ME 04074

License No.:

Description of designated building systems and components included in the Statement of Responsibility:

*All special inspections as required per project specifications & code requirements.*

### Contractor's Acknowledgment of Special Requirements

I hereby acknowledge that I have received, read, and understand the Quality Assurance Plan and Special Inspection program.

I hereby acknowledge that control will be exercised to obtain conformance with the construction documents approved by the Building Official.

  
Signature

4/11/17  
Date

### Contractor's Provisions for Quality Control

Procedures for exercising control within the contractor's organization, the method and frequency of reporting and the distribution of reports is attached to this Statement.

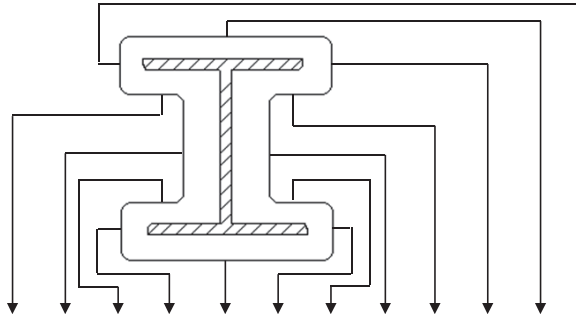
Identification and qualifications of the person(s) exercising such control and their position(s) in the organization are attached to this Statement.





**SFRM REPORT ON BEAM OR COLUMN**  
**ASTM E605/E736**

**Project Name:** 62 India St.  
**Project Number:** 17-0045  
**Client:** India St. Newbury Residences, LLC.  
**SFRM Supplier:** Grace Construction Products  
**SFRM Material:** Monokote MK-6/HY  
**SFRM Installer:** New England Fireproofing  
**Installation Date:** Week of 9-13-17



Floor No.	Column/Beam No.	Type	Test Date	Spec.													Averages		
					1	2	3	4	5	6	7	8	9	10*	11*	12*	Faces	Flange Tips	Total
1st Floor / 2nd Framing	6.5/G-H.1	W18x136	9/19/17	0.625	1.125	1.000	1.500	0.938	1.188	0.813	1.500	1.125	1.250				0.875	0.859	0.872
					1.375	1.500	2.125	1.063	1.125	0.938	1.000	1.000	1.188						
1st Floor / 2nd Framing	G/6.5-5.8	W16x26	9/19/17	1.000	1.125	1.688	1.125	0.750	1.063	0.750	1.063	1.500	1.875				1.170	0.813	1.090
					1.250	1.563	1.063	0.813	1.000	0.938	1.188	1.375	2.063						
1st Floor / 2nd Framing	5.8/H.1-F	W18x119	9/19/17	0.563	1.375	0.688	1.313	1.000	1.750	1.000	1.125	1.500	1.250				0.799	0.813	0.802
					1.250	0.750	1.375	1.000	1.625	1.000	1.250	1.563	1.063						
1st Floor / 2nd Framing	H.1(-8')/4.5-4.8	W16x31	9/19/17	0.875	1.250	1.375	1.563	0.688	0.938	0.938	1.125	1.063	1.875				1.080	0.813	1.021
					1.000	1.000	1.500	0.750	1.000	0.875	1.188	1.250	2.188						
1st Floor / 2nd Framing	3.2/H.1-H.1(-8')	W8x22	9/19/17	0.875	1.500	2.250	1.938	0.813	1.625	0.750	1.875	2.500	1.813				1.125	0.844	1.063
					1.875	2.375	1.875	0.875	1.563	0.938	1.750	2.375	1.938						
1st Floor / 2nd Framing	2.1/H.1-F(-10')	W18x60	9/19/17	0.688	1.000	1.500	2.000	0.938	1.188	0.500	1.000	1.500	1.375				0.938	0.781	0.903
					1.125	1.375	1.500	0.813	1.250	0.875	1.250	1.750	1.875						

\* Not required for beams

ASTM E-605 8.1.2.1 For the purpose of averaging measurements, any measurement 6 mm (1/4 in.) or more, over the required design thickness, shall be recorded as the design thickness plus 6 mm. (Averages reflect ASTM guidelines). No individual measured thickness shall be more than 6 mm less, or more than 25 % less, than the required design thickness.

ASTM E-605 8.1.2.1 Note 1- Specific fire resistance rating criteria for beams, trusses, and columns may allow for a reduced thickness on flange tips. These thicknesses are to be averaged apart from other sections of the structural member.

**DENSITY**

Test Date	Framing Level	Member Type	Member Location	Thickness (in)	Area (in <sup>2</sup> )	Density (pcf)	Specification (pcf)
9/19/17	1st Floor	HSS 6x6x1/2	6.5/G	0.557	48.000	18	15
9/19/17	1st Floor	HSS 6x6x1/2	3.8/G(-15')	0.458	48.000	17	15

**ADHESION/COHESION**

Test Date	Framing Level	Member Type	Member Location	Failure Type	Force (lbs)	Bond (psf)	Specification (psf)
9/19/17	1st Floor	HSS 6x6x1/2	6.5/G	Cohesion	38	660	200

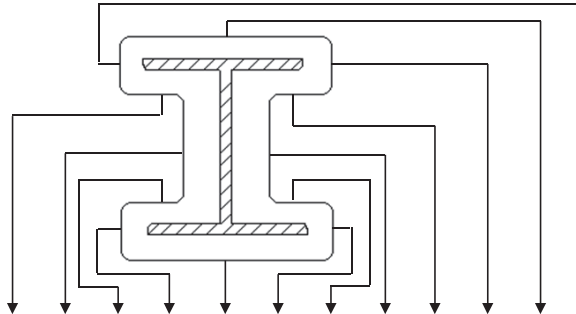
Comments:

Sampled by: N. McArthur  
 Reviewed by:



**SFRM REPORT ON BEAM OR COLUMN  
ASTM E605/E736**

**Project Name:** 62 India st.  
**Project Number:** 17-0045  
**Client:** India St. Newbury Residences, LLC.  
**SFRM Supplier:** Grace Construction Products  
**SFRM Material:** Monokote Z-106  
**SFRM Installer:** New England Fireproofing  
**Installation Date:** Week of 9-19-17



Floor No.	Column/Beam No.	Type	Test Date	Spec.													Averages				
					1	2	3	4	5	6	7	8	9	10*	11*	12*	Faces	Flange Tips	Total		
1st Floor / 2nd Framing	6(+8)/E-F(-8')	W14x22	9/19/17	1.000	1.000	1.000	1.125	0.563	1.250	0.750	0.938	1.250	1.500						<b>1.125</b>	<b>0.688</b>	<b>1.028</b>
1st Floor / 2nd Framing	D/8-6	W16x31	9/19/17	0.875	1.750	1.625	1.250	0.750	1.063	0.625	1.313	1.750	1.688						<b>1.116</b>	<b>0.656</b>	<b>1.014</b>
1st Floor / 2nd Framing	C/5-6	W12x96	9/19/17	0.563	1.000	0.750	0.625	0.563	0.875	1.000	1.063	1.250	1.875						<b>0.790</b>	<b>0.703</b>	<b>0.771</b>
1st Floor / 2nd Framing	D(-10')/5-6	W18x46	9/19/17	0.750	1.375	1.063	0.938	1.000	1.000	1.000	1.188	1.000	1.375						<b>0.978</b>	<b>0.938</b>	<b>0.969</b>
1st Floor / 2nd Framing	5/B-D	W16x67	9/19/17	0.688	1.125	0.813	0.938	0.938	1.500	0.938	1.063	1.250	1.250						<b>0.920</b>	<b>0.906</b>	<b>0.917</b>
1st Floor / 2nd Framing	F(-8')/4-5	W16x31	9/19/17	0.875	1.000	0.813	1.000	0.563	0.750	0.563	0.875	0.750	1.375						<b>0.929</b>	<b>0.656</b>	<b>0.868</b>

\* Not required for beams

ASTM E-605 8.1.2.1 For the purpose of averaging measurements, any measurement 6 mm (1/4 in.) or more, over the required design thickness, shall be recorded as the design thickness plus 6 mm. (Averages reflect ASTM guidelines). No individual measured thickness shall be more than 6 mm less, or more than 25 % less, than the required design thickness.

ASTM E-605 8.1.2.1 Note 1- Specific fire resistance rating criteria for beams, trusses, and columns may allow for a reduced thickness on flange tips. These thicknesses are to be averaged apart from other sections of the structural member.

**DENSITY**

Test Date	Framing Level	Member Type	Member Location	Thickness (in)	Area (in <sup>2</sup> )	Density (pcf)	Specification (pcf)
9/19/17	1st Floor	HSS 6x6x1/2	4/D	0.495	48.000	31	22
9/19/17	1st Floor	HSS 6x6x1/2	4/E	0.604	48.000	26	22

**ADHESION/COHESION**

Test Date	Framing Level	Member Type	Member Location	Failure Type	Force (lbs)	Bond (psf)	Specification (psf)
9/19/17	1st Floor	HSS 6x6x1/2	4/D	Adhesive	125	2170	200
9/19/17	1st Floor	HSS 6x6x1/2	4/E	Adhesive	130	2257	200

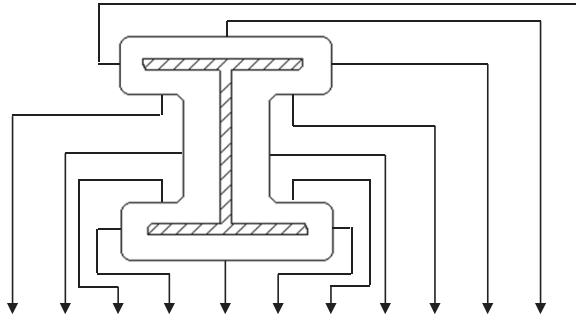
Comments:

Sampled by: N. McArthur  
 Reviewed by:



**SFRM REPORT ON BEAM OR COLUMN**  
**ASTM E605/E736**

**Project Name:** 62 India St.  
**Project Number:** 17-0045  
**Client:** India St. Newbury Residences, LLC.  
**SFRM Supplier:** Grace Construction Materials  
**SFRM Material:** Monokote Z-106  
**SFRM Installer:** New England Fireproofing  
**Installation Date:** Week of 9-19-17



Floor No.	Column/Beam No.	Type	Test Date	Spec.													Averages		
					1	2	3	4	5	6	7	8	9	10*	11*	12*	Faces	Flange Tips	Total
1st Floor / 2nd Framing	2/D-E	W16x31	9/19/17	0.875	1.875	0.750	1.250	0.563	1.000	0.563	1.125	1.000	1.875				1.058	0.672	0.972
					2.000	0.875	1.500	0.688	1.250	0.875	1.250	1.063	2.250						
1st Floor / 2nd Framing	E/3-1	W18x46	9/19/17	0.750	1.250	1.000	1.375	0.875	1.125	0.938	1.500	1.000	1.750				0.996	0.875	0.969
					1.125	0.938	1.250	0.750	1.250	0.938	1.250	1.000	1.625						
1st Floor / 2nd Framing	4/B-C	W14x22	9/19/17	1.000	1.000	1.000	0.938	0.625	1.063	0.563	0.875	1.063	1.250				1.067	0.641	0.972
					1.500	1.063	1.250	0.750	1.125	0.625	1.000	0.938	1.125						
1st Floor / 2nd Framing	4(+10)/E-F	W14x22	9/19/17	1.000	1.125	1.250	1.500	0.750	1.063	0.688	1.625	1.313	1.000				1.170	0.734	1.073
					1.063	1.188	1.438	0.750	1.250	0.750	1.375	1.250	0.938						

\* Not required for beams

ASTM E-605 8.1.2.1 For the purpose of averaging measurements, any measurement 6 mm (1/4 in.) or more, over the required design thickness, shall be recorded as the design thickness plus 6 mm. (Averages reflect ASTM guidelines). No individual measured thickness shall be more than 6 mm less, or more than 25 % less, than the required design thickness.

ASTM E-605 8.1.2.1 Note 1- Specific fire resistance rating criteria for beams, trusses, and columns may allow for a reduced thickness on flange tips. These thicknesses are to be averaged apart from other sections of the structural member.

**DENSITY**

Test Date	Framing Level	Member Type	Member Location	Thickness (in)	Area (in <sup>2</sup> )	Density (pcf)	Specification (pcf)

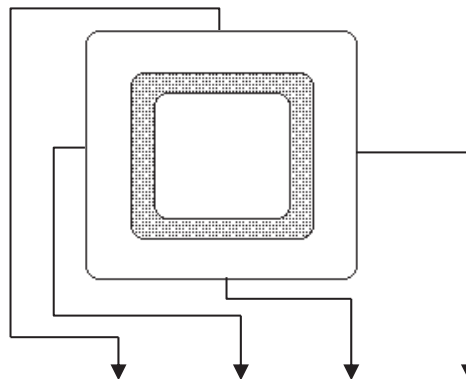
**ADHESION/COHESION**

Test Date	Framing Level	Member Type	Member Location	Failure Type	Force (lbs)	Bond (psf)	Specification (psf)

Comments:

Sampled by: N. McArthur  
 Reviewed by:

**Project Name:** 62 India St.  
**Project Number:** 17-0045  
**Client:** India St. Newbury Residences, LLC.  
**SFRM Material:** Monokote MK-6/HY  
**SFRM Supplier:** Grace Construction Products  
**SFRM Installer:** New England Fireproofing, LLC.  
**Installation Date:** Week of 9-13-17  
**Test Date:** 9-19-17



Location	Member Type	Required Thickness	1	2	3	4	Average Thickness
1 <sup>st</sup> Floor G/9	HSS 6x6x1/2	0.438	0.938	1.063	0.750	1.063	0.672
			0.938	0.750	0.563	1.000	
1 <sup>st</sup> Floor G6.5	HSS 6x6x1/2	0.438	0.750	1.063	1.000	1.063	0.688
			0.813	0.875	1.000	1.125	
1 <sup>st</sup> Floor H.1/6.5	HSS 6x6x1/2	0.438	0.750	0.750	1.500	0.813	0.657
			0.750	0.500	0.813	0.625	
1 <sup>st</sup> Floor H.1/4.8	HSS 6x6x1/2	0.438	0.500	0.500	0.688	1.250	0.633
			0.813	0.750	0.625	0.750	

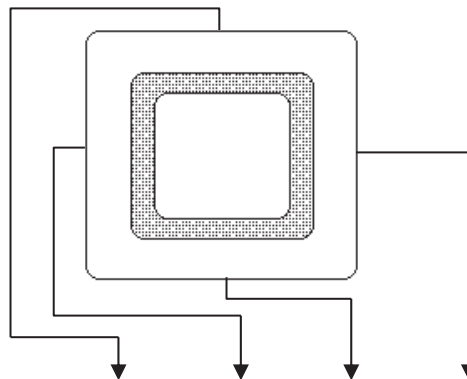
ASTM E-605 8.1.2.1

For the purpose of averaging measurements, any measurement 6 mm (1/4 in.) or more, over the required design thickness, shall be recorded as the design thickness plus 6 mm. No individual measured thickness shall be more than 6 mm less, or more than 25 % less, than the required design thickness.

Sampled by: N. McArthur  
 Reviewed by:



**Project Name:** 62 India St.  
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**SFRM Installer:** New England Fireproofing, LLC.  
**Installation Date:** Week of 9-19-17



Location	Member Type	Required Thickness	1	2	3	4	Average Thickness
1 <sup>st</sup> Floor / 8/E	HSS 6x6x1/2	0.438	0.625	0.563	0.500	0.500	0.563
			0.813	0.500	0.500	0.625	
1 <sup>st</sup> Floor / 6/C	HSS 6x6x1/2	0.438	1.063	0.688	0.875	0.625	0.665
			1.000	0.563	1.063	1.000	
1 <sup>st</sup> Floor / 5/D	HSS 6x6x1/2	0.438	0.750	0.563	1.000	1.500	0.672
			0.688	0.688	0.875	1.250	
1 <sup>st</sup> Floor / 4/E	HSS 6x6x1/2	0.438	0.750	0.563	0.938	1.375	0.649
			0.750	0.500	0.875	1.250	
1 <sup>st</sup> Floor / D/3-1	HSS 6x6x3/8	0.563	0.563	0.563	0.813	1.000	0.711
			0.688	0.625	0.875	0.938	

ASTM E-605 8.1.2.1

For the purpose of averaging measurements, any measurement 6 mm (1/4 in.) or more, over the required design thickness, shall be recorded as the design thickness plus 6 mm. No individual measured thickness shall be more than 6 mm less, or more than 25 % less, than the required design thickness.

Sampled by: N. McArthur  
 Reviewed by:

