



July 10, 2018

Joe Dasco
India Newbury Residences, LLC
2730 Transit Road
West Seneca, NY

Reference:
Final Structural Inspection
62 India Street Residences
62 India St.
Portland, Maine

Structural Integrity Job Number: 16-0022

Dear Mr. Dasco,

This letter is to confirm that a representative of Structural Integrity has visited the above referenced site to observe the foundation and framing for the new structure at the above-mentioned location.

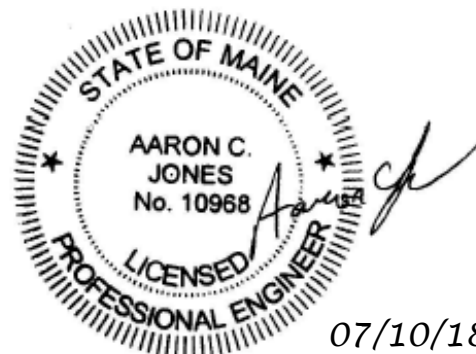
Based on our observations and reports from special inspectors, and instructions to the contractor, we are of the opinion that work has been completed in substantial conformance to the construction documents, including outstanding framing items noted during our 10/18/2017 framing inspection.

Please do not hesitate to call with any questions or if I can be of further assistance.

Sincerely,

A handwritten signature in green ink that reads "Aaron C. Jones".

Aaron C. Jones, P.E., SECB, LEED AP
President



07/10/18

Project: 62 India
Date Prepared: 06/28/18

Structural Statement of Special Inspections (Continued)

Final Report of Special Inspections (SSIC/SI 1)

[To be completed by the Structural Special Inspections Coordinator (SSIC/SI 1). Note that all Agent's Final Reports must be received prior to issuance.]

Project: *62 India Apartments*
Location: *62 India St. Portland, ME*
Owner: *India/Newbury Residences, LLC*
Owner's Address:

Architect of Record: *Mark Mueller* *Mark Mueller Architects*
(name) (firm)
Structural Registered Design
Professional in Responsible Charge: *Aaron C. Jones* *Structural Integrity*
(name) (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,
Structural Special Inspection Coordinator

Aaron C. Jones, PE, SEBC
(Type or print name)

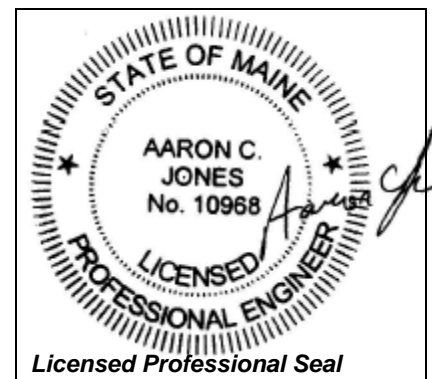
Structural Integrity Consulting Engineers, Inc.
(Firm Name)



Signature

06/28/18

Date



Structural Schedule of Special Inspections

SOILS & FOUNDATION CONSTRUCTION

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1704.7, 1704.8, 1704.9						
1. Verify existing soil conditions, fill placement and load bearing requirements						
a. Prior to placement of prepared fill, determine that the site has been prepared in accordance with the approved soils report.	Y	P	IBC 1704.7.1		PE/GE, EIT or ETT	Y
b. During placement and compaction of fill material, verify material being used and maximum lift thickness comply with the approved soils report.	Y	P	IBC 1704.7.2		PE/GE, EIT or ETT	Y
c. Test in-place dry density of compacted fill complies with the approved soils report.	Y	P	IBC 1704.7.2		PE/GE, EIT or ETT	Y
2. Geopier foundations:						
c. Review of the (RAP) Reinforced Aggregate Pier designer's use of soil parameters as presented in the project soils report	Y	P			PE/GE, EIT or ETT	Y
d. Verification of aggregate properties, type and number of lifts of aggregate, pier size and depths and top elevations of constructed RAP elements, and applied rammer energy.	Y	P			PE/GE, EIT or ETT	Y
e. Per the Geopier Foundation and Soil Reinforcement Manual, dated September 1998 and the RAP specifications, such as modulus load testing, uplift pullout testing, bottom or crowd stabilization tests and dynamic cone penetration tests, must be performed as required by the design specifications	Y	P			PE/GE, EIT or ETT	Y

Structural Schedule of Special Inspections

CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1704.4						
1. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B	N		Welding of Reinf Not Allowed		AWS-CWI	N/A
2. Verifying use of required design mix	Y	P	ACI 318: Ch 4, 5.2-5.4		PE/SE or EIT	Y
3. At time fresh concrete is sampled to fabricate specimens for strength test, perform slump and air content test and temperature	Y	C	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8		ACI-CFTT or ACI-STT	Y
5. Inspection for maintenance of specified curing temperature and techniques	Y	P	ACI 318: 5.11-5.13		PE/SE or EIT	Y

Structural Schedule of Special Inspections
MASONRY CONSTRUCTION – LEVEL 1 (NON-ESSENTIAL FACILITY)

VERIFICATION AND INSPECTION IBC Section 1704.5	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. As masonry construction begins, the following shall be verified to ensure compliance:						
a. Proportions of site-prepared mortar.	Y	P	ACI530.1, 2.6A		PE/SE or EIT	Y
b. Construction of mortar joints.	Y	P	ACI530.1, 3.3B		PE/SE or EIT	Y
c. Location of reinforcement and connectors.	Y	P	ACI530.1, 3.4, 3.6A		PE/SE or EIT	Y
2. The inspection program shall verify:						
a. Size and location of structural elements.	Y	P	ACI530.1, 3.3G		PE/SE or EIT	Y
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	Y	P	ACI530, 1.2.2(e), 2.1.4, 3.1.6		PE/SE or EIT	Y
c. Specified size, grade and type of reinforcement.	Y	P	ACI530, 1.12, ACI530.1, 2.4, 3.4		PE/SE or EIT	Y
d. Welding of reinforcing bars.	Y	C	AC530, 2.1.10.6.2, 3.2.4 (b)		AWS-CWI	Y
e. Protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	Y	P	IBC 2104.3, 2104.4; ACI530.1, 1.8C, 1.8D		PE/SE or EIT	Y
3. Prior to grouting, the following shall be verified to ensure compliance:						
a. Grout space is clean.	Y	P	ACI530.1, 3.2D		PE/SE or EIT	Y
b. Placement of reinforcement and connectors.	Y	P	ACI530, 1.12, ACI530.1, 3.4		PE/SE or EIT	Y
c. Proportions of site-prepared grout.	Y	P	ACI530.1, 2.6B		PE/SE or EIT	Y
d. Construction of mortar joints.	Y	P	ACI530.1, 3.3B		PE/SE or EIT	Y
4. Grout placement shall be verified to ensure compliance with code and construction document provisions.	Y	C	ACI530.1, 3.5		PE/SE or EIT	Y
5. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	Y	C	IBC 2105.2.2, 2105.3; ACI530.1, 1.4		PE/SE or EIT	Y
6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	Y	P	ACI530.1, 1.5		PE/SE or EIT	Y

Structural Schedule of Special Inspections - STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGE NT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1704.3						
1. Material verification of high-strength bolts, nuts and washers:						
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Y	S	Applicable ASTM material specifications; AISC 335, Section A3.4; AISC LRFD, Section A3.3		PE/SE or EIT	Y
b. Manufacturer's certificate of compliance required.	Y	S			PE/SE or EIT	Y
2. Inspection of high-strength bolting						
a. Bearing-type connections.	Y	P	AISC LRFD Section M2.5		AWS/AISC-SSI	Y
b. Slip-critical connections.	Y	C or P (method dependent)	IBC Sect 1704.3.3		AWS/AISC-SSI	Y
3. Material verification of structural steel (IBC Sect 1708.4):						
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4		PE/SE or EIT	Y
b. Manufacturers' certified mill test reports.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4		PE/SE or EIT	Y
4. Material verification of weld filler materials:						
a. Identification markings to conform to AWS specification in the approved construction documents.	Y	S	AISC, ASD, Section A3.6; AISC LRFD, Section A3.5		PE/SE or EIT	Y
b. Manufacturer's certificate of compliance required.	Y	S			PE/SE or EIT	Y
5. Submit current AWS D1.1 welder certificate for all field welders who will be welding on this project.	Y	S	AWS D1.1		PE/SE or EIT	Y
6. Inspection of welding (IBC 1704.3.1):						
a. Structural steel:						
1) Complete and partial penetration groove welds.	Y	C	AWS D1.1		AWS-CWI	Y
2) Multipass fillet welds.	Y	C			AWS-CWI	Y
3) Single-pass fillet welds > 5/16"	N	C			AWS-CWI	N/A
4) Single-pass fillet welds < 5/16"	Y	P			AWS-CWI	Y
5) Floor and deck welds.	N	P	AWS D1.3		AWS-CWI	N/A
b. Reinforcing steel (IBC Sect 1903.5.2):						
1) Verification of weldability of reinforcing steel other than ASTM A706.	N	C				N/A
2) Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls and shear reinforcement.	Y	C	AWS D1.4 ACI 318: 3.5.2		AWS-CWI	Y
3) Shear reinforcement.	Y	C			AWS-CWI	Y
4) Other reinforcing steel.	Y	P			AWS-CWI	Y
7. Inspection of steel frame joint details for compliance (IBC Sect 1704.3.2) with approved construction documents:						
a. Details such as bracing and stiffening.	Y	P			PE/SE or EIT	Y
b. Member locations.	Y	P			PE/SE or EIT	Y
c. Application of joint details at each connection.	Y	P			PE/SE or EIT	Y

Structural Schedule of Special Inspection Services
FABRICATION AND IMPLEMENTATION PROCEDURES – STRUCTURAL STEEL

VERIFICATION AND INSPECTION IBC Section 1704.2	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Fabrications Procedures: Review of fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved special inspection agency. At the completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents. -OR- 2. AISC Certification	Y	S	Fabricator shall submit one of the two qualifications		PE/SE or EIT	Y
3. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents.	Y	S	IBC 1704.2.2		PE/SE or EIT	Y

WOOD CONSTRUCTION

VERIFICATION AND INSPECTION IBC Section 1704.6	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Fabrication of high-load diaphragms						
a. Verify wood structural panel sheathing for grade and thickness	Y	P	IBC 1704.6		PE/SE or EIT	Y
b. Verify the nominal size of framing members at adjoining panel edges	Y	P	IBC 1704.6		PE/SE or EIT	Y
b. Verify the nail or staple diameter and length	Y	P	IBC 1704.6		PE/SE or EIT	Y
b. Verify the number of fastener lines	Y	P	IBC 1704.6		PE/SE or EIT	Y
b. Verify the spacing between fasteners in each line and at edge margins	Y	P	IBC 1704.6		PE/SE or EIT	Y
2. Load Tests for Joist Hangers: Provide evidence of manufacturer's load test in accordance with ASTM D1761 including the vertical load bearing capacity, torsional moment capacity, and deflection characteristics when there is no calculated procedure recognized by the code.	Y	S	IBC 1715 [submit ICBO reports]		PE/SE or EIT	Y

Structural Schedule of Special Inspection Services
FABRICATION AND IMPLEMENTATION PROCEDURES – WOOD TRUSSES

VERIFICATION AND INSPECTION IBC Section 1704.2	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Fabrications Procedures: Review of fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved special inspection agency. At the completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents. -OR- 2. TPI Inspection Program: Fabricator shall participate in the TPI Quality Assurance Inspection Program, and maintain a copy of the Quality Assurance Procedures Manual, QAP-90. Submit copy of certificate. All trusses shall bear the TPI Registered Mark.	Y	S	Fabricator shall submit one of the two qualifications		PE/SE or EIT	Y
3. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents	Y	S	IBC 1704.2.2		PE/SE or EIT	Y