

Project: City of Portland Department Headquarters Renovation
Date Prepared: 05/09/2018

Structural Statement of Special Inspections

Project: *City of Portland Department Headquarters Renovation*

Location: *212 Canco Rd, Portland, ME 04103*

Owner: *City of Portland*

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

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

The approved agencies shall keep records of all Structural inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Structural Registered Design Professional in Responsible Charge (SRDP). 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 Structural 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 Structural Registered Design Professional in Responsible Charge at an interval determined by 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 request of the Building Official

Prepared by:

Aaron C. Jones, P.E.

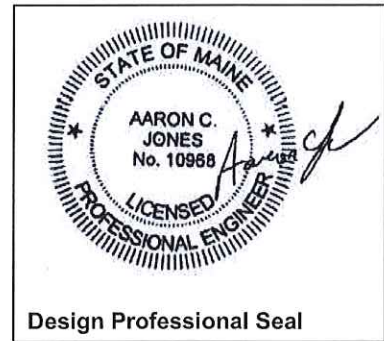
(type or print name of the Structural Registered Design Professional in Responsible Charge)



Signature

05/09/2018

Date



Owner's Authorization:



Signature

5/10/18

Date

Building Code Official's Acceptance:

Signature

Date

Structural Statement of Special Inspections (Continued)

List of Agents

Project: *City of Portland Department Headquarters Renovation*
 Location: *212 Canco Rd, Portland, ME 04103*
 Owner: *City of Portland*
 This Statement of Special Inspections encompass the following discipline: **Structural**

(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:

- Soils and Foundations
- Cast-in-Place Concrete
- Precast Concrete System
- Masonry Systems
- Structural Steel
- Wood Construction
- Special Cases

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspector (SI 1)	<i>TBD</i>	
2. Special Inspector (SI 2)		
3. Testing Agency (TA 1)		
4. Testing Agency (TA 2)		
5. Other (O1)		

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: City of Portland Department Headquarters Renovation
Date Prepared: 05/09/2018

Structural Statement of Special Inspections (Continued)

Final Report of Special Inspections

Note that all Agent's Final Reports must be received prior to issuance.

Project: *City of Portland Department Headquarters Renovation*

Location: *212 Canco Rd, Portland, ME 04103*

Owner: *City of Portland*

Owner's Address:

Architect of Record: Manon Lacombe
(name)

Winton Scott Architects
(firm)

Structural Registered Design

Professional in Responsible Charge: Aaron C. Jones, P.E.
(name)

Structural Integrity
(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,

(Type or print name)

(Firm Name)

Signature

Date

Licensed Professional Seal

Project: City of Portland Department Headquarters Renovation
Date Prepared: 05/09/2018

Structural Statement of Special Inspections (Continued)
Special Inspector's/Agent's Final Report

Project:
Special Inspector or
Agent:

(name)

(firm)

Designation:

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:

(Type or print name)

Signature

Date

***Licensed Professional Seal or
Certification Number***

Structural Schedule of Special Inspections

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.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
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
-----	---

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III.
------	---

International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

Other

Structural Schedule of Special Inspections

SOILS

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1705.6						
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Y	C			PE/GE, EIT or ETT	
2. Verify excavations are extended to proper depth and have reached proper material.	Y	C			PE/GE, EIT or ETT	

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 1705.3						
1. Inspect reinforcement, including prestressing tendons, and verify placement.	Y	P	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3		PE/SE or EIT	
2. Inspect anchors cast in concrete.	Y	C	ACI 318: 17.8.2		PE/SE or EIT	
3. Verify use of required design mix.	Y	C	ACI 318: Ch. 19, 26.4.3, 26.4.4		PE/SE or EIT	
4. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Y	C	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12		ACI-CFTT or ACI-STT	
5. Inspect concrete and shotcrete placement for proper application techniques.	Y	C	ACI 318: 26.5		PE/SE or EIT	
6. Verify maintenance of specified curing temperature and techniques.	Y	P	ACI 318: 26.5.3-26.5.5		PE/SE or EIT	
7. Inspect erection of precast concrete members.	Y	C	ACI 318: Ch. 26.8		PE/SE or EIT	
8. Inspect formwork for shape, location and dimensions of the concrete member being formed.	Y	P	ACI 318: 26.11.1.2(b)		PE/SE or EIT	

Structural Schedule of Special Inspections

MASONRY CONSTRUCTION – LEVEL B QUALITY ASSURANCE (RISK CATEGORY I, II, OR III
 STRUCTURES DESIGNED IN ACCORDANCE WITH CHAPTERS OTHER THAN 5, 6, OR 7 AND RISK
 CATEGORY IV STRUCTURES DESIGNED IN ACCORDANCE WITH CHAPTERS 6 OR 7)

VERIFICATION AND INSPECTION IBC Section 1705.4 TMS 402/ACI 530/ASCE 5 TMS 602/ACI 530.1/ASCE 6	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Verify compliance with the approved submittals.	Y	P	ACI530.1, 1.5		PE/SE or EIT	
2. 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	
b. Construction of mortar joints.	Y	P	ACI530.1, 3.3B		PE/SE or EIT	
c. Grade and size of prestressing tendons and anchorages.	Y	P	ACI530.1, 2.4B, 2.4H		PE/SE or EIT	
d. Location of reinforcement and connectors.	Y	P	ACI530.1, 3.4, 3.6A		PE/SE or EIT	
3. Prior to grouting, verify that the following are in compliance:						
a. Grout space is clean.	Y	C	ACI530.1, 3.2D, 3.2F		PE/SE or EIT	
b. Grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages	Y	P	ACI530, 1.16, ACI530.1, 2.4, 3.4		PE/SE or EIT	
c. Proportions of site-prepared grout and reinforcing grout for fully grouted cells.	Y	C	ACI530.1, 2.6B, 2.4 G.1.b		PE/SE or EIT	
d. Construction of mortar joints.	Y	P	ACI530.1, 3.3B		PE/SE or EIT	
4. Verify during construction:						
a. Size and location of structural elements.	Y	C	ACI530.1, 3.3F		PE/SE or EIT	
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	Y	P	ACI530, 1.16.4.3, 1.17.1		PE/SE or EIT	
d. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	Y	C	ACI530.1, 1.8C, 1.8D		PE/SE or EIT	
f. Placement of grout and reinforcing grout for fully grouted cells are in compliance.	Y	C	ACI530.1, 3.5, 3.6C		PE/SE or EIT	
6. Observe preparation of grout specimens, mortar specimens, and/or prisms.	Y	P	ACI530.1, 1.4 B.2.a,b,c.3, 1.4 B.3, 1.4 B.4		PE/SE or EIT	

(a) Required for the first 5000 square feet of AAC masonry.

(b) Required after the first 5000 square feet of AAC masonry.

Prepared by:

Building Code Official's Acceptance:



5/09/2018

Signature

Date

Signature

Date

Project: City of Portland Department Headquarters Renovation
Date Prepared: 05/09/2018

Contractor's Statement of Responsibility

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: *City of Portland Department Headquarters Renovation*

Contractor's Name:

Address:

License No.:

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

Contractor's Acknowledgment of Special Requirements

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

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

Signature

Date