

B E C K E R

structural engineers, inc

Transmittal

TO: Portland Inspections Division
Portland City Hall, Room 315
389 Congress Street
Portland, Maine 04101
(207) 874-8693

ATTN: **Jeanie Bourke**

DATE: 4/15/2010

PROJECT: Portland Public Library Special Inspections Report

PROJECT No: 2059

<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Under separate cover via:	
<input checked="" type="checkbox"/> For Approval	<input type="checkbox"/> Reviewed	
<input type="checkbox"/> For Your Use	<input type="checkbox"/> For Signature	
<input type="checkbox"/> For Review & Comment	<input type="checkbox"/> Returned for Corrections	
	<input type="checkbox"/> Other:	
<input type="checkbox"/> Prints	<input type="checkbox"/> Specifications	<input type="checkbox"/> Bond Reproducibles
<input type="checkbox"/> Mylars	<input type="checkbox"/> Calculations	<input type="checkbox"/> Shop Drawings
<input type="checkbox"/> Sepias	<input type="checkbox"/> Letter	<input checked="" type="checkbox"/> Other: Report

Copies	Date	Submittal No.	Description
1	4/14/2010		Special Inspections Report, Hard Copy
1	4/14/2010		Special Inspections Report, CD (complete report)

Comments:
Final Report is enclosed.



Signed: _____
Ethan A. Rhile, P.E.

B E C K E R

structural engineers, inc.

Transmittal

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 Final Report is enclosed.



Signed: _____
 Ethan A. Rhile, P.E.

Project: Portland Public Library
Date Prepared: 4/7/09

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: *Portland Public Library Addition/Renovation*

Location: *Portland, Maine*

Owner: *Portland Public Library*

Owner's Address: *5 Monument Square
Portland, Maine 04101*

Architect of Record: *Scott Simons* *Scott Simons Architects*
(name) (firm)

Structural Registered Design
Professional in Responsible Charge: *Ethan A. Rhile, P. E.* *Becker Structural Engineers, Inc*
(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

Ethan A. Rhile
(Type or print name)

Becker Structural Engineers, Inc
(Firm Name)



Signature

4/2/2010
Date



Special Inspections Report

Portland Public Library Renovation

Portland, Maine

April 14, 2010

Prepared for:

Portland Public Library
5 Monument Square
Portland, ME 04101
Attn: Clare Hannan, CFO

In conjunction with:

The City of Portland
389 Congress Street
City Hall Room 315
Portland, Maine 04101

Portland Public Library Renovation

Portland, Maine
April 14, 2010

Special Inspections Report

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Project: Portland Public Library
Date Prepared: 4/7/09

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

Project:

Special Inspector or
Agent:

Roger E. Domingo

S.W. COLE ENGINEERING, INC.

(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:

Roger E. Domingo

(Type or print name)



4/13/2010

Signature

Date

**Licensed Professional Seal or
Certification Number**

Project: Portland Public Library
Date Prepared: 4/7/09

Structural Statement of Special Inspections

Project: *Portland Public Library Addition/Renovation*

Location: *Portland, Maine*

Owner: *Portland Public Library*

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 the Structural Special Inspection Coordinator (SSIC) and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Structural Special Inspection Coordinator 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 the SSIC 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 request of Building Official _____ or per attached schedule.

Prepared by:

Ethan A. Rhile, P. E.

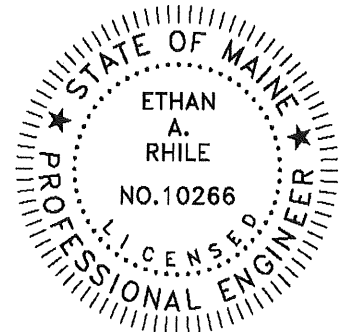
(type or print name of the Structural Registered Design Professional in Responsible Charge)



Signature

4/7.09

Date



Design Professional Seal

Owner's Authorization:

Building Code Official's Acceptance:

Signature

Date

Signature

Date

Project: Portland Public Library
Date Prepared: 4/7/09

Structural Statement of Special Inspections (Continued)

List of Agents

Project: *Portland Public Library Addition/Renovation*

Location: *Portland, Maine*

Owner: *Portland Public Library*

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. STRUCTURAL Special Inspections Coordinator (SSIC)	<i>Becker Structural Engineers, Inc</i>	<i>75 York Street Portland, Maine 04101 (207) 879-1838 ethan@beckerstructural.com</i>
2. Special Inspector (SI 1)	<i>Becker Structural Engineers, Inc</i>	<i>75 York Street Portland, Maine 04101 (207) 879-1838 ethan@beckerstructural.com</i>
3. Special Inspector (SI 2)	<i>SW Cole Engineering, Inc (Portland)</i>	<i>17 Chestnut Street, Suite 1A Portland, Maine 04101 (207) 773-6800 tboyce@swcole.com</i>
4. Testing Agency (TA 1)	<i>SW Cole Engineering, Inc (Gray)</i>	<i>286 Portland Road Gray, Maine 04039 (207) 657-2866 rdomingo@swcole.com</i>
5. Testing Agency (TA 2)	<i>Quality Assurance Labs, Inc</i>	<i>80 Pleasant Avenue South Portland, Maine (207) 799-8911 qalab@qalab.biz</i>
6. 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.

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
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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.
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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

Project: Portland Public Library

Date Prepared: 4/7/09

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	SI2	PE/GE, EIT or ETT	
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	SI2	PE/GE, EIT or ETT	
c. Test in-place dry density of compacted fill complies with the approved soils report.	Y	p	IBC 1704.7.2	SI2	PE/GE, EIT or ETT	
2. Pile foundations:	No Pile Foundations					
a. Observe and record procedures for static load testing of piles.	N	N/A	IBC 1704.8			
b. Observe and record procedures for dynamic load testing of piles.	N	N/A				
c. Record installation of each pile and results of load test. Include cutoff and tip elevations of each pile relative to permanent reference.	N	N/A				
d. Test welded splices of steel piles	N	N/A	AWS D1.1			
3. Pier foundations: Verify installation of pier foundations for buildings assigned to Seismic Design Category C, D, E or F.	N	N/A	IBC 1704.9			
a. Verify pier diameter and length	N	N/A				
b. Verify pier embedment (socket) into bedrock	N	N/A				
c. Verify suitability of end bearing strata	N	N/A				

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, including prestressing tendons, and placement	Y	P	ACI 318: 3.5, 7.1-7.7	SI1	PE/SE or EIT	
2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B	N	No welded reinforcement				
3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased	Y	C	IBC 1912.5		PE/SE or EIT	
4. Verifying use of required design mix	Y	P	ACI 318: Ch 4, 5.2-5.4	SI1	PE/SE or EIT	
5. 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	TL1	ACI-CFTT or ACI-STT	
6. Inspection of concrete and shotcrete placement for proper application techniques	Y	C	ACI 318: 5.9, 5.10	SI1	PE/SE or EIT	
7. Inspection for maintenance of specified curing temperature and techniques	Y	P	ACI 318: 5.11-5.13	SI1	PE/SE or EIT	
8. Inspection of Prestressed Concrete		No prestressed concrete				
a. Application of prestressing force.	N	N/A	ACI 318: 18.20			
b. Grouting of bonded prestressing tendons in seismic force resisting system	N	N/A	ACI 318: 18.18.4			
9. Erection of precast concrete members	N	N/A	ACI 318: Ch 16			
10. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms beams and structural slabs	N	N/A	ACI 318: 6.2			

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:	N		No masonry construction			
a. Proportions of site-prepared mortar.	N	N/A	ACI530.1, 2.6A			
b. Construction of mortar joints.	N	N/A	ACI530.1, 3.3B			
c. Location of reinforcement and connectors.	N	N/A	ACI530.1, 3.4, 3.6A			
d. Prestressing technique.	N	N/A	ACI530.1, 3.6B			
e. Grade and size of prestressing tendons and anchorages.	N	N/A	ACI530.1, 2.4B, 2.4H			
2. The inspection program shall verify:						
a. Size and location of structural elements.	N	N/A	ACI530.1, 3.3G			
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	N	N/A	ACI530, 1.2.2(e), 2.1.4, 3.1.6			
c. Specified size, grade and type of reinforcement.	N	N/A	ACI530, 1.12, ACI530.1, 2.4, 3.4			
d. Welding of reinforcing bars.	N	N/A	ACI530, 2.1.10.6.2, 3.2.4 (b)			
e. Protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	N	N/A	IBC 2104.3, 2104.4; ACI530.1, 1.8C, 1.8D			
f. Application and measurement of prestressing force.	N	N/A	ACI530.1, 3.6B			
3. Prior to grouting, the following shall be verified to ensure compliance:						
a. Grout space is clean.	N	N/A	ACI530.1, 3.2D			
b. Placement of reinforcement and connectors and prestressing tendons and anchorages.	N	N/A	ACI530, 1.12, ACI530.1, 3.4			
c. Proportions of site-prepared grout and prestressing grout for bonded tendons.	N	N/A	ACI530.1, 2.6B			
d. Construction of mortar joints.	N	N/A	ACI530.1, 3.3B			
4. Grout placement shall be verified to ensure compliance with code and construction document provisions.	N	N/A	ACI530.1, 3.5			
a. Grouting of prestressing bonded tendons.	N	N/A	ACI530.1, 3.6C			
5. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	N	N/A	IBC 2105.2.2, 2105.3; ACI530.1, 1.4			
6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	N	N/A	ACI530.1, 1.5			

Structural Schedule of Special Inspections
MASONRY CONSTRUCTION – LEVEL 2 (ESSENTIAL FACILITY)

VERIFICATION AND INSPECTION IBC Section 1704.5	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. From the beginning of masonry construction, the following shall be verified to ensure compliance:	N	No masonry construction				
a. Proportions of site-mixed mortar, grout and prestressing grout for bonded tendons.	N	N/A	ACI530.1, 2.6A			
b. Placement of masonry units and construction of mortar joints.	N	N/A	ACI530.1, 3.3B			
c. Placement of reinforcement, connectors and prestressing tendons and anchorage.	N	N/A	ACI530, 1.12; ACI530.1, 3.4, 3.6 A			
d. Grout space prior to grouting.	N	N/A	ACI530.1, 3.2D			
e. Placement of grout.	N	N/A	ACI530.1, 3.5			
f. Placement of prestressing grout.	N	N/A	ACI530.1, 3.6C			
2. The inspection program shall verify:						
a. Size and location of structural elements.	N	N/A	ACI530.1, 3.3G			
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	N	N/A	ACI530, 1.2.2(e), 2.1.4, 3.1.6			
c. Specified size, grade and type of reinforcement.	N	N/A	ACI530, 1.12; ACI530.1, 2.4, 3.4			
d. Welding of reinforcement.	N	N/A	ACI530, 2.1.10.6.2, 3.2.3.4(b);			
e. Protection of masonry during cold weather and (temperature below 40°F) or hot weather (temperature above 90°F).	N	N/A	IBC 2104.3, 2104.4; ACI530.1, 1.8C, 1.8D			
f. Application and measurement of prestressing force.	N	N/A	ACI530.1, 3.6B			
3. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	N	N/A	IBC 2105.2.2, 2105.3; ACI 530.1, 1.4			
4. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	N	N/A	ACI530.1, 1.5			

Project: Portland Public Library

Date Prepared: 4/7/09

Structural Schedule of Special Inspections - STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	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	SI1	PE/SE or EIT	
b. Manufacturer's certificate of compliance required.	Y	S		SI1	PE/SE or EIT	
2. Inspection of high-strength bolting						
a. Bearing-type connections.	Y	P	AISC LRFD Section M2.5	TA2	AWS/AISC-SSI	
b. Slip-critical connections.	Y	C or P (method dependent)	IBC Sect 1704.3.3	TA2	AWS/AISC-SSI	
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	SI1	PE/SE or EIT	
b. Manufacturers' certified mill test reports.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	SI1	PE/SE or EIT	
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	SI1	PE/SE or EIT	
b. Manufacturer's certificate of compliance required.	Y	S		SI1	PE/SE or EIT	
5. Submit current AWS D1.1 welder certificate for all field welders who will be welding on this project.	Y	S	AWS D1.1	SI1	PE/SE or EIT	
6. Inspection of welding (IBC 1704.3.1):						
a. Structural steel:						
1) Complete and partial penetration groove welds.	Y	C	AWS D1.1	TA2	AWS-CWI	
2) Multipass fillet welds.	Y	C		TA2	AWS-CWI	
3) Single-pass fillet welds > 5/16"	Y	C		TA2	AWS-CWI	
4) Single-pass fillet welds < 5/16"	Y	P		TA2	AWS-CWI	
5) Floor and deck welds.	Y	P	AWS D1.3	TA2	AWS-CWI	
b. Reinforcing steel (IBC Sect 1903.5.2):			No welded reinforcement			
1) Verification of weldability of reinforcing steel other than ASTM A706.	N	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.	N	N/A	AWS D1.4 ACI 318: 3.5.2		AWS-CWI	
3) Shear reinforcement.	N	N/A			AWS-CWI	
4) Other reinforcing steel.	N	N/A			AWS-CWI	
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		SI1	PE/SE or EIT	
b. Member locations.	Y	P		SI1	PE/SE or EIT	
c. Application of joint details at each connection.	Y	P		SI1	PE/SE or EIT	

Project: Portland Public Library

Date Prepared: 4/7/09

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	SI1	PE/SE or EIT	
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	SI1	PE/SE or EIT	

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.	N	N/A	No wood trusses			
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	N	N/A				

Structural Schedule of Special Inspections
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		No structural wood framing				
a. Verify wood structural panel sheathing for grade and thickness	N	N/A	IBC 1704.6			
b. Verify the nominal size of framing members at adjoining panel edges	N	N/A	IBC 1704.6			
b. Verify the nail or staple diameter and length	N	N/A	IBC 1704.6			
b. Verify the number of fastener lines	N	N/A	IBC 1704.6			
b. Verify the spacing between fasteners in each line and at edge margins	N	N/A	IBC 1704.6			
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.	N	N/A	IBC 1715 [submit ICBO reports]			

Structural Schedule of Special Inspections

SEISMIC RESISTANCE - STRUCTURAL

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETE D
IBC Section 1707						
1. Special inspections for seismic resistance. Special inspection as specified in this section is required for the following:	N		Significant modifications to the lateral force resisting system are not part of this work and upgrades are not required.			
a. The seismic-force-resisting systems in structures assigned to Seismic Design Category C, D, E or F	N	N/A	IBC 1707.1			
2. Structural steel: Continuous special inspection for structural welding in accordance with AISC 341.	N	N/A	IBC 1702.2			
3. Structural wood:	N					
a. Continuous special inspection during field gluing operations of elements of the seismic-force-resisting system.	N	N/A	IBC 1702.3			
b. Periodic special inspections for nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system, including drag struts, braces and hold-downs	N	N/A	IBC 1702.3			
4. Cold-formed steel framing: Periodic special inspections during welding operations of elements of the seismic-force-resisting system. Periodic special inspections for screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system, including struts, braces, and hold-downs	N	N/A				
4. Seismic isolation system. Provide periodic special inspection during the fabrication and installation of isolator units and energy dissipation devices if used as part of the seismic isolation system	N	N/A	IBC 1707.8			

Quality Assurance Plan – Seismic and Wind

QUALITY ASSURANCE FOR SEISMIC RESISTANCE CHECK LIST [IBC 1705]

Seismic Design Category **N/A**

FOR SEISMIC DESIGN CATEGORY C OR HIGHER:

Structural:

- The seismic-force-resisting systems
 - Steel Braced Frames and associated connections/anchorage
 - Steel Moment Frames and associated connections
 - Shear walls: CMU Wood Concrete
 - Diaphragms: Floor Roof
 - Other:

QUALITY ASSURANCE FOR WIND RESISTANCE CHECK LIST [IBC 1706]

Wind Exposure Category **B**

REQUIRED	NOT REQUIRED	NOT APPLICABLE	QUALITY ASSURANCE PLAN REQUIREMENTS (A Quality Assurance Plan is required where indicated below)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In wind exposure Categories A and B, where the 3-second-gust basic wind speed is 120 miles per hour (mph) (52.8 m/sec) or greater.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In wind exposure Categories C and D, where the 3-second-gust basic wind speed is 110 mph (49 m/sec) or greater.

Prepared by:

Building Code Official's Acceptance:

Signature

Date

Signature

Date

Project:
Date Prepared:

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

Project: *Portland Public Library Addition & Renovations*

Location: *5 Monument Square, Portland, Maine 04101*

Owner: *City of Portland, Maine*

This Statement of Special Inspections encompass the following discipline:

Mechanical/Electrical/Plumbing

Architectural Other:

Design Professional in Responsible Charge: *Austin Smith AIA*

Firm Name: Scott Simons Architects, 75 York Street , Portland, Maine 04101

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

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 request of Building Official _____ or per attached schedule.

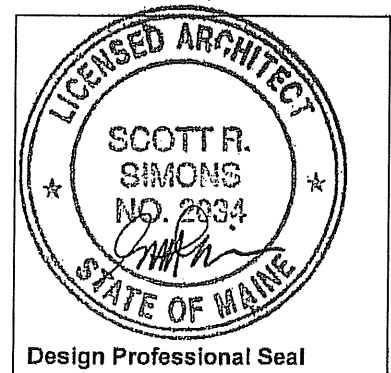
Prepared by:

Austin Smith AIA, Scott Simons Architects
Austin Smith

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

[Signature]
Signature

04.08.09
Date



Owner's Authorization:

Building Code Official's Acceptance:

Signature _____ Date _____

Signature _____ Date _____

Project:
Date Prepared:

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

List of Agents

Project: *Portland Public Library addition & Renovations*
 Location: *5 Monument Square, Portland, Maine 04101*
 Owner: *City of Portland, Maine*
 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)	<i>SW Cole Engineering Inc. (Portland)</i>	<i>17 Chestnut Street, Suite 1A Portland, Maine 04101 (207) 773-6800</i>
2. Special Inspector (SI 1)	<i>SW Cole Engineering Inc. (Gray)</i>	<i>286 Portland Road Gray, Maine 04139 (207) 657-2866</i>
3. Special Inspector (SI 2)		
4. Testing Agency (TA 1)		
5. Testing Agency (TA 2)		
6. 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:
Date Prepared:

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

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:
Location:
Owner:
Owner's Address:

Architect of Record: _____
(name) (firm)

Registered Design
Professional in Responsible Charge: _____
(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.

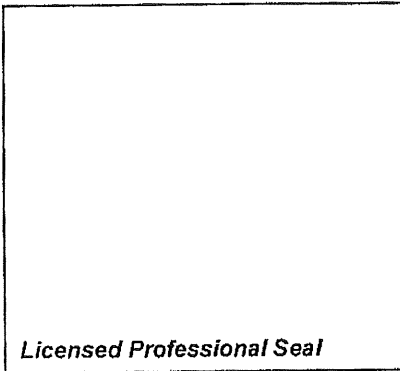
Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Special Inspection Coordinator

(Type or print name)

(Firm Name)

Signature Date



Project:
Date Prepared:

Statement of Special Inspections – A/M/E/P (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**

Project:
Date Prepared:

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

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

Project:
Date Prepared:

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
IBC Section 1704.11						
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	P	IBC 1704.11.1	SI 1	ICC-SFSI	
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 ventilate during and after application as required by the approved manufacturer's written instructions.	Y	P	IBC 1704.11.2	SI 1	ICC-SFSI	
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 m2) of the sprayed area on each floor or part thereof.	Y	C	IBC1704.3.1; ASTM E605	SI 1	ICC-SFSI	
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	C	IBC1704.3.2; ASTM E605	SI 1	ICC-SFSI	
4. Density: Verify density of the sprayed fire-resistant material not be less than the density specified in the approved fire-resistant design.	Y	C	IBC1704.4; ASTM E605	SI 1	ICC-SFSI	
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 (psi) (7.18 kN/m2). 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 m2) or part thereof of the sprayed area in each story.	Y	C	IBC 1704.11.5.1; ASTM E 736	SI 1	ICC-SFSI	
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 m2) of floor area or part thereof in each story.	Y	C	IBC 1704.11.5.2; ASTM E 736	SI 1	ICC-SFSI	

Project:
 Date Prepared:

Schedule of Special Inspections – A/M/E/P
SMOKE CONTROL

VERIFICATION AND INSPECTION IBC Section 1704.14	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Smoke control systems shall be tested by An agency for smoke control who shall have expertise in fire-protection engineering, mechanical engineering and certification as air balancers. The test scope shall be as follows:						
a. During erection of ductwork and prior to concealment for the purposes of leakage testing and recording of device location.	N	NA	IBC 1704.14			
b. Prior to occupancy and after sufficient completion for the purposes of pressure difference testing, flow measurements, and detection and control verification.	N	NA	IBC 1704.14			

Project:
Date Prepared:

Schedule of Special Inspections – A/M/E/P
WALL PANEL & VENEER CONSTRUCTION

VERIFICATION AND INSPECTION IBC Section 1704.10	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Verify exterior and interior architectural wall panels and the anchoring of veneers for building assigned to Seismic Design Category E or F.	N	NA	Seismic Design Category:			

Project:
 Date Prepared:

Schedule of Special Inspections – A/M/E/P
EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

VERIFICATION AND INSPECTION IBC Section 1704.12	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
1. Visual observation of the installation of EIFS systems without water-resistive barrier.	N	NA	IBC Section 1704.12			
2. Visual observation of the installation of EIFS systems without a means of draining moisture to the exterior.	N	NA	IBC Section 1704.12			
3. Visual observation of the installation of EIFS systems not installed over masonry or concrete walls.	N	NA	IBC Section 1704.12			

Project:
Date Prepared:

Schedule of Special Inspections – A/M/E/P
SEISMIC RESISTANCE - ARCHITECTURAL

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1707						
1. Special inspections for seismic resistance. Special inspection as specified in this section is required for Architectural components. assigned to Seismic Design Category D, E or F			Seismic Design Category:			
a. Periodic special inspection during the erection and fastening of exterior cladding, interior and exterior nonbearing walls and interior and exterior veneer in structures	N	NA	IBC 1707.6			
b. Suspended ceiling systems and their anchorage	N	NA				
c. Access floors: Periodic special inspection during the anchorage of access floors	N	NA	IBC 1707.5			
d. Storage racks: Periodic special inspection during the anchorage of storage racks 8 feet (2438 mm) or greater in height.	N	NA				
1. Retail Storage Racks	N	NA				
2. High Density Files	N	NA				
3. Other:	N	NA				
3. Life-safety components required to function after an earthquake:	N	NA				
1. Egress Stairs	N	NA				
2. Fire Protection Sprinkler System	N	NA				
3. Other:	N	NA				
4. Other:	N	NA				

Project:
Date Prepared:

Schedule of Special Inspections – A/M/E/P
SEISMIC RESISTANCE - ELECTRICAL

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1707						
1. Electrical components			Seismic Design Category:			
a. Periodic special inspection during the anchorage of electrical equipment for emergency or standby power systems in structures assigned to Seismic Design Category C, D, E or F	N	NA	IBC 1707.7			
b. Periodic special inspection during the installation of anchorage of other electrical equipment in structures assigned to Seismic Design Category E or F	N	NA	IBC 1707.7			
2. Component inspection. Special inspection is required for the installation of the following components:	N	NA				
a. Electrical motors, transformers, switchgear unit substations and motor control centers.	N	NA	IBC 1707.7.1.2			
b. Reciprocating and rotating-type machinery	N	NA	IBC 1707.7.1.3			
3. Component and attachment testing. The component manufacturer shall test or analyze the component and the component mounting system or anchorage for the design forces in Chapter 16 for those components having a Component Importance Factor of 1.0 or 1.5 in accordance with Chapter 16. The manufacturer shall submit a certificate of compliance for review and acceptance by the registered design professional responsible for the design, and for approval by the building official.	N	NA	IBC 1707.7.2			
4. Component manufacturer certification. Each manufacturer of equipment to be placed in a building assigned to Seismic Design Categories E and F, in accordance with Chapter 16, where the equipment has a Component Importance Factor of 1.0 or 1.5 in accordance with Chapter 16, shall maintain an approved quality control program. Evidence of the quality control program shall be permanently identified on each piece of equipment by a label	N	NA	IBC 1707.7.3			

Project:
Date Prepared:

Schedule of Special Inspections – A/M/E/P
SEISMIC RESISTANCE - MECHANICAL

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1707						
1. Mechanical components			Seismic Design Category:			
a. Periodic special inspection during the installation of HVAC ductwork that will contain hazardous materials in structures assigned to Seismic Design Category C, D, E or F	N	NA	IBC 1707.7			
b. Periodic special inspection during installation of piping systems intended to carry flammable, combustible, or highly toxic contents and their associated mechanical units in structures assigned to Seismic Design Category C, D, E or F	N	NA	IBC 1707.7			
2. Component inspection. Special inspection is required for the installation of the following components:	N	NA				
a. Equipment using combustible energy sources	N	NA	IBC 1707.7.1.1			
b. Reciprocating and rotating-type machinery	N	NA	IBC 1707.7.1.3			
c. Piping distribution systems 3 inches (76 mm) and larger	N	NA	IBC 1701.7.1.4			
d. Tanks, heat exchangers and pressure vessels	N	NA	IBC 1701.7.1.5			
3. Component and attachment testing. The component manufacturer shall test or analyze the component and the component mounting system or anchorage for the design forces in Chapter 16 for those components having a Component Importance Factor of 1.0 or 1.5 in accordance with Chapter 16. The manufacturer shall submit a certificate of compliance for review and acceptance by the registered design professional responsible for the design, and for approval by the building official.	N	NA	IBC 1707.7.2			
4. Component manufacturer certification. Each manufacturer of equipment to be placed in a building assigned to Seismic Design Categories E and F, in accordance with Chapter 16, where the equipment has a Component Importance Factor of 1.0 or 1.5 in accordance with Chapter 16, shall maintain an approved quality control program. Evidence of the quality control program shall be permanently identified on each piece of equipment by a label	N	NA	IBC 1707.7.3			

Project:
Date Prepared:

Quality Assurance Plan – A/M/E/P
QUALITY ASSURANCE FOR SEISMIC RESISTANCE CHECK LIST [IBC 1705]

SEISMIC DESIGN CATEGORY:	
<u>QUALITY ASSURANCE PLAN REQUIREMENTS</u>	
(A Quality Assurance Plan, enacted through the Special Inspections requirements for this project, are in place for the following systems)	
Mechanical/Piping: <input type="checkbox"/> Heating, ventilating and air-conditioning (HVAC) ductwork containing hazardous materials and anchorage of such ductwork <input type="checkbox"/> Hazardous Material: <input type="checkbox"/> Hazardous Material: <input type="checkbox"/> Piping systems and mechanical units containing flammable, combustibile or highly toxic materials <input type="checkbox"/> Material: <input type="checkbox"/> Material:	MER
Electrical: <input type="checkbox"/> Anchorage of electrical equipment used for emergency or standby power systems <input type="checkbox"/> Equipment: <input type="checkbox"/> Equipment: <input type="checkbox"/> Equipment:	EER
<input type="checkbox"/> ADDITIONAL SYSTEMS FOR SEISMIC DESIGN CATEGORY D OR HIGHER:	
Architectural: <input type="checkbox"/> Exterior wall panels and their anchorage <input type="checkbox"/> Precast Concrete <input type="checkbox"/> Brick <input type="checkbox"/> Stone: <input type="checkbox"/> Other: <input type="checkbox"/> Suspended ceiling systems and their anchorage <input type="checkbox"/> Access floors and their anchorage <input type="checkbox"/> Steel storage racks and their anchorage <input type="checkbox"/> Retail Storage Racks <input type="checkbox"/> High Density Files <input type="checkbox"/> Other: <input type="checkbox"/> Life-safety component required to function after an earthquake: <input type="checkbox"/> Engineered Egress Stairs <input type="checkbox"/> Fire Protection Sprinkler System <input type="checkbox"/> Other: <input type="checkbox"/> Other: <input type="checkbox"/> Other:	RAR
<input type="checkbox"/> ADDITIONAL SYSTEMS FOR SEISMIC DESIGN CATEGORY D OR HIGHER:	
Electrical: <input type="checkbox"/> Electrical equipment	EER

Mechanical Engineer of Record (MER):

Electrical Engineer of Record (EER):

Signature Date
Building Code Official's Acceptance:

Signature Date
Registered Architect of Record (RAR):

Signature Date

Signature Date

The program of Structural/Special Tests and Inspections does not relieve the Contractor or its subcontractors of their responsibilities and obligations for quality control of the work, for any design work which is included in the scope of services, and for full compliance with the requirements of the Construction Documents. Furthermore, the detection of, or the failure to detect, deficiencies or defects in work during testing and inspection conducted pursuant to the Program does not relieve the Contractor or its subcontractors of their responsibility to correct all deficiencies or defects, whether detected or undetected, in all parts of work, and to otherwise comply with all requirements of the Construction Documents. Additional disclaimers and/or qualifications may be included in the Owner-Special Inspection agreement.

02000 *Site work*

SW Cole Soil Testing and Inspection 02000.1



Soils Observation Report

Project Name/Location: Portland Public Library
 Client/Client's Rep.: Scott Simons Arch
 Earthwork Contractor: Shaw Brothers

Project No: 08-1219
 Date: 5-19-09
 Sheet: 1 of 1
 SWCE Rep.: TJB
 Arrived at Site: 0700 and 1130
 Left Site: 0800 and 1200

Weather			Site Conditions		Materials Used	
<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Snow	<input type="checkbox"/> Warm	<input type="checkbox"/> Wet	<input type="checkbox"/> Dusty	<input type="checkbox"/> Site Fill	<input type="checkbox"/> Foundation Backfill
<input type="checkbox"/> Overcast	<input type="checkbox"/> Fog	<input type="checkbox"/> Hot	<input type="checkbox"/> Muddy	<input type="checkbox"/> Frozen	<input type="checkbox"/> Utility Bedding	<input type="checkbox"/> Subbase
<input type="checkbox"/> Rain	<input type="checkbox"/> Cold	<input type="checkbox"/> Windy	Temperatures: 60s		<input type="checkbox"/> Base	<input type="checkbox"/> _____

Soils Work Performed:

<input type="checkbox"/> Site Prep (Sect. 2230)	<input type="checkbox"/> Earthwork (Sect. 2300)	<input type="checkbox"/> Planting Soils (Sect. 2310)
<input checked="" type="checkbox"/> Building Earthwork (Sect. 2315)	<input type="checkbox"/> Utilities Earthwork (Sect. 2316)	<input type="checkbox"/> _____

Compaction Equipment Used:

Large Roller Small Roller Trench Roller Large Plate Tamp
 Small Tamp Jumping Jack _____

Soils Observations	Observed		Comments
Site Preparation	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Fill Placement:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Material Type (proper material used for construction)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Lift Size	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Compaction	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
In-place Densities	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
In-place Density Frequency	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Non-Conformance Items Observed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Non-Conformance Item Description:			
Action Taken by SWCE:			
Person(s) Notified:			

Area(s) of Observation:

Observed footing subgrade soils along line 1 from grids D2 to F. Subgrade soils consisted of brown sand and gravel. Performed test pit at D-1 and observed subgrade soils, which appeared to be backfill for existing basement wall, extended to depth of at least 2 feet below footings. Based on observations and historical soils data for the project site, footing subgrades appeared suitable for support of spread footings as shown on project plans. Recommended to contractor to compacted subgrade soils and perform density testing prior to installing geotextile fabric and 6-inches of crushed stone over subgrades as detailed in approved plans to protect subgrade soils.

Notes:

Subsequent field density testing on 5-20-09 indicates subgrades soils compacted to between 95 to 98 percent relative density based on Modified Proctor ASTM D-1557 as required by project plans and specs.

Attachments: _____ Reviewed By: _____



Soils Observation Report

Project Name/Location: Portland Public Library
Client/Client's Rep.: Scott Simons Arch
Earthwork Contractor: Shaw Brothers

Project No: 08-1219
Date: 6-2-09
Sheet: 1 of 1
SWCE Rep.: TJB
Arrived at Site: 1130
Left Site: 1200

Weather			Site Conditions		Materials Used	
<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Snow	<input type="checkbox"/> Warm	<input type="checkbox"/> Wet	<input type="checkbox"/> Dusty	<input type="checkbox"/> Site Fill	<input type="checkbox"/> Foundation Backfill
<input type="checkbox"/> Overcast	<input type="checkbox"/> Fog	<input type="checkbox"/> Hot	<input type="checkbox"/> Muddy	<input type="checkbox"/> Frozen	<input type="checkbox"/> Utility Bedding	<input type="checkbox"/> Subbase
<input type="checkbox"/> Rain	<input type="checkbox"/> Cold	<input type="checkbox"/> Windy	Temperatures: 70s		<input type="checkbox"/> Base	<input type="checkbox"/> _____

Soils Work Performed:
 Site Prep (Sect. 2230) Earthwork (Sect. 2300) Planting Soils (Sect. 2310)
 Building Earthwork (Sect. 2315) Utilities Earthwork (Sect. 2316) _____

Compaction Equipment Used: Large Roller Small Roller Trench Roller Large Plate Tamp
 Small Tamp Jumping Jack _____

Soils Observations	Observed		Comments
	Yes	No	
Site Preparation	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Fill Placement:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Material Type (proper material used for construction)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Lift Size	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Compaction	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
In-place Densities	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
In-place Density Frequency	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Non-Conformance Items Observed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Non-Conformance Item Description:			
Action Taken by SWCE:			
Person(s) Notified:			

Area(s) of Observation:

Observed footing subgrade soils between lines 1 and 2 from grids A to B. Subgrade soils consisted of brown sand and gravel consistent with soils observed on 5-19-09. Based on observations and historical soils data for the project site, footing subgrades appeared suitable for support of spread footings as shown on project plans. Recommended to contractor to compacted subgrade soils and perform density testing prior to installing geotextile fabric and 6-inches of crushed stone over subgrades as detailed in approved plans to protect subgrade soils. Also observed contractor was jack hammering bedrock from elevator pit foundation.

Notes:

Subsequent field density testing on 6-2-09 and 6-4-09 indicates subgrades soils compacted at least 95 to 98 percent relative density based on Modified Proctor ASTM D-1557 as required by project plans and specs.

Attachments: _____ Reviewed By: _____



Report of Field Density

ASTM D6938

Project: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING SERVICES Project Number: 08-1219

Client: SCOTT SIMONS ARCHITECTS INC.

Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
1	5/20/2009	VLT	2' W OF INT LINE 1 + E	73.50	10	10762G	124.0	3.5	97.7	95
2	5/20/2009	VLT	2' W OF INT LINE 1 + C	73.50	10	10762G	117.6	3.5	92.7	95
3	5/20/2009	VLT	RE-TEST 2' W OF INT LINE 1 + C	73.50	10	10762G	120.6	3.4	95.0	95
4	5/20/2009	VLT	3' W OF INT LINE 1 + F	73.50	10	10762G	124.6	3.0	98.2	95
5	5/20/2009	VLT	1' E OF INT LINE 1 + C	73.50	10	10762G	121.4	3.4	95.7	95

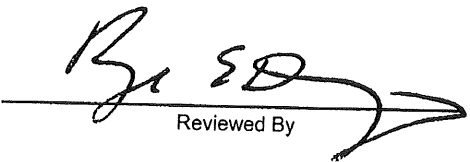
Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
10762G	5/14/2009	Footing Grade - Congress St	Structural Fill	ASTM D-1557 Modified A	126.9	8.0	

Elevation Notes:

Comments:

INT- INTERSECTION


 Reviewed By



Report of Field Density ASTM D6938

Project: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL Project Number: 08-1219
ENGINEERING SERVICES

Client: SCOTT SIMONS ARCHITECTS INC.

Field Density Test Results

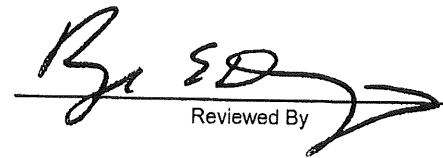
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
6	6/2/2009	DMR	20' INSIDE 1 LINE 10' INSIDE A LINE	73.5	10	10762G	120.8	4.8	95.2	95
7	6/2/2009	DMR	6' INSIDE 2 LINE BET A + B	73.5	10	10762G	123.2	3.9	97.1	95
8	6/2/2009	DMR	10' INSIDE 1 LINE 6' INSIDE B LINE	73.5	10	10762G	122.8	4.0	96.8	95

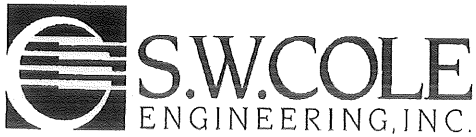
Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
10762G	5/14/2009	Footing Grade - Congress St	Structural Fill	ASTM D-1557 Modified A	126.9	8.0	

Elevation Notes:

Comments:
BET - BETWEEN


 Reviewed By



Report of Field Density ASTM D6938

Project: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL Project Number: 08-1219
ENGINEERING SERVICES

Client: SCOTT SIMONS ARCHITECTS INC.

Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
9	6/4/2009	VLT	12' N 4' W OF INT LINE 1 + A	73.50 +/-	10	10762G	120.6	3.0	95.0	95
10	6/4/2009	VLT	2' S 10' W OF INT LINE 1 + B	73.50 +/-	10	10762G	122.4	3.4	96.5	95
11	6/4/2009	VLT	10' S 2' W OF INT LINE 1 + B	73.50 +/-	10	10762G	121.2	4.1	95.5	95

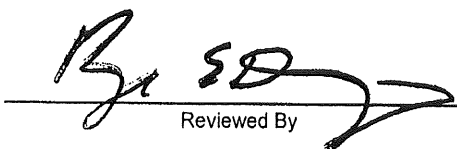
Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
10762G	5/14/2009	Footing Grade - Congress St	Structural Fill	ASTM D-1557 Modified A	126.9	8.0	

Elevation Notes:

Comments:

INT - INTERSECTION


 Reviewed By



Report of Field Density

ASTM D6938

Project: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING SERVICES Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
12	11/4/2009	RED	SOG BETWEEN E & D	81.5	8	11120G	135.4	2.5	98.4	95
13	11/4/2009	RED	SOG BETWEEN E & D	81.5	8	11120G	137.0	2.0	99.6	95
14	11/4/2009	RED	SOG BETWEEN 1 & 2 ENTRANCE	79.5	8	11120G	132.0	2.1	95.9	95
15	11/4/2009	RED	SOG BETWEEN 1 & 2 ENTRANCE	79.5	8	11120G	136.1	1.7	98.9	95
16	11/4/2009	RED	RAMP NEAR ENTRANCE BETWEEN 1 & 2 LINES	80.5	8	11120G	134.7	2.2	97.9	95

Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
11120G	7/8/2009	H Pit	2" Minus	ASTM D-1557 Modified C	137.6	5.1	

Elevation Notes:
ALL ELEVATIONS ARE +/-

Comments:
SOG- SLAB ON GRADE

[Signature]

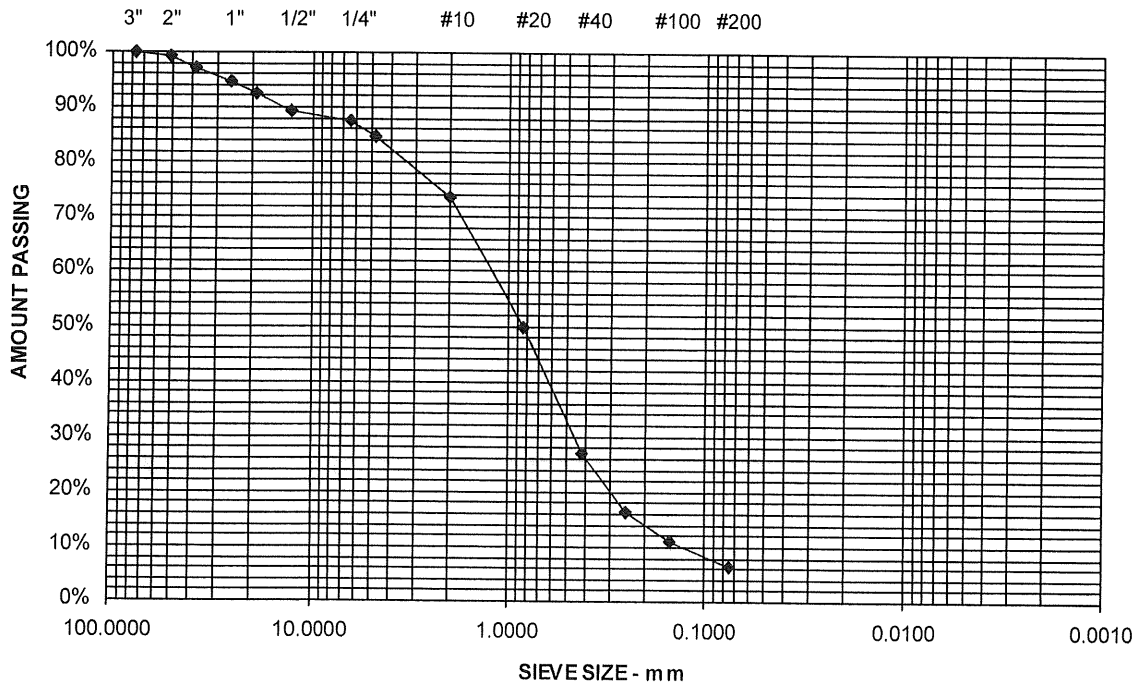
Reviewed By

Project Name PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS -
GEOTECHNICAL ENGINEERING SERVICES
Client PORTLAND PUBLIC LIBRARY
Material Type STRUCTURAL FILL
Material Source FOOTING GRADE - CONGRESS ST

Project Number 08-1219
Lab ID 10762G
Date Received 5/14/2009
Date Completed 5/15/2009
Tested By JUSTIN BISSON

<u>STANDARD</u> <u>DESIGNATION (mm/µm)</u>	<u>SIEVE SIZE</u>	<u>AMOUNT PASSING (%)</u>	<u>SELECT FILL</u> <u>SPECIFICATIONS (%)</u>
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	100
75 mm	3"	100	90 - 100
50 mm	2"	99	
38.1 mm	1-1/2"	97	
25.0 mm	1"	95	
19.0 mm	3/4"	92	
12.5 mm	1/2"	89	
6.3 mm	1/4"	87	25 - 90
4.75 mm	No. 4	85	
2.00 mm	No. 10	74	
850 µm	No. 20	50	
425 µm	No. 40	27	0 - 30
250 µm	No. 60	16	
150 µm	No. 100	11	
75 µm	No. 200	6.4	0.0 - 5.0 †

† SAMPLE DOES NOT MEET SPECIFICATION



Comments

Roger E. Domingo

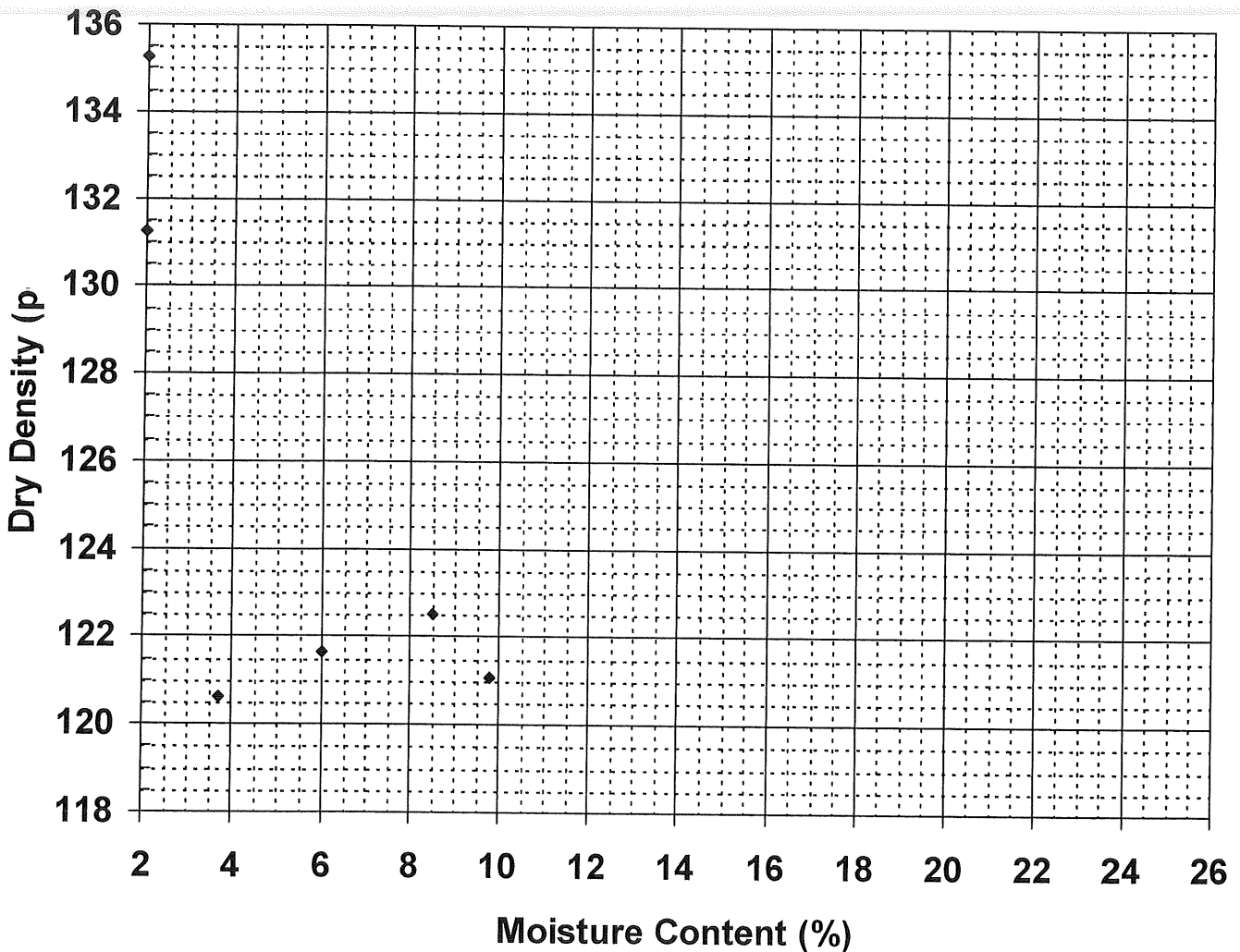


Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure A

Project Name	PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING SERVICES	Project Number	08-1219
Client	PORTLAND PUBLIC LIBRARY	Lab ID	10762G
Material Type	STRUCTURAL FILL	Date Received	5/14/2009
Material Source	FOOTING GRADE - CONGRESS ST	Date Completed	5/15/2009
		Tested By	JUSTIN BISSON

Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	122.6	<u>Corrected Dry Density (pcf)</u>	<u>126.9</u>
Optimum Moisture Content (%)	9.1	<u>Corrected Moisture Content (%)</u>	<u>8.0</u>
Percent Oversized	15.2%		

Comments

Roger E. Domingo

03300 Cast-in-Place Concrete
BSE Inspection Reports

03300.1

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT
 Cast in Place Concrete

Date: 5/18/2009
Time: 9:00am
Temp: N/A (indoor observation)

Weather:

Observation Location: Existing Planter Condition Review

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Reinforcement Size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Placement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embed/Anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lap Splices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

The intent of this visit was to review the existing condition of the planters which are to be demolished. The field condition indicates that the planters support the existing granite façade elements and thus portions of the planters need to remain. At my visit B Parsons and I discussed shoring the planter where the hangers were exposed.

Signed: Ethan A. Rhile, P.E.

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT
 Cast in Place Concrete

Date: 5/27/2009
Time: 1:20 PM
Temp: N/A (indoor observation)
Weather:

Observation Location: Existing Planter Condition Review

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Reinforcement Size	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Comments
Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Placement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Embed/Anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lap Splices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Followup visit of existing planter at the request of B. Parsons for the installation of planter support elements. Field direction for lateral support of remaining planter backwall was discussed..

Signed: Ethan A. Rhile, P.E.

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT

Cast in Place Concrete

Date: 5/29/2009
Time: 11:20am
Temp: Cool
Weather: Light Rain

Observation Location: Footing reinforcement for atrium wall and planter along Congress Street

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Reinforcement Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Embed/Anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lap Splices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Signed: Ethan A. Rhile, P.E.

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT

Cast in Place Concrete

Date: 6/09/2009
Time: 10:30am
Temp: Cool
Weather: Light Rain

Observation Location: Reinforcement for wall placement, planter, atrium walls and piers for truss support

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Reinforcement Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Embed/Anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Lap Splices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Foundation anchor bolts/embeds were not in place at the time of my visit.

Signed: Ethan A. Rhile, P.E.

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT
 Cast in Place Concrete

Date: 6/11/2009
Time: 8:15am
Temp: Moderate Conditions
Weather: Mostly Sunny

Observation Location: Reinforcement for wall placement, planter, atrium walls and piers for truss support, Elevator Pit mat.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Reinforcement Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Embed/Anchors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lap Splices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Partial installation of anchor bolt installation for truss anchorage was reviewed.

Signed: Ethan A. Rhile, P.E.

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT

Cast in Place Concrete

Date: 6/17/2009
Time: 8:00am
Temp: Warm
Weather: Sunny

Observation Location: West entry wall footing reinforcement, Elevator Pit wall prep..

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Reinforcement Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Embed/Anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lap Splices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Signed: Ethan A. Rhile, P.E.

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT

Cast in Place Concrete

Date: 6/23/2009
Time: 11:30am
Temp: Moderate
Weather: Partly Cloudy

Observation Location: West entry wall reinforcement, "triangle" infill concrete prep

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Reinforcement Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Embed/Anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lap Splices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

At my visited it was requested that some corner bars and dowel be installed at the entry.

Signed: Ethan A. Rhile, P.E.

Project: Portland Public Library
Location: Congress Street, Portland, ME
Becker Job No: 2059

OBSERVATION REPORT
 Cast in Place Concrete

Date: 12/15/2009
Time: 3:15pm
Temp: N/A (Interior)
Weather: Sunny

Observation Location: Slab-on-grade placement prep for Congress Street Infill

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Reinforcement Size	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Placement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Embed/Anchors	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A few minor adjustments were requested for cover reasons and trim steel
Lap Splices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hot Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Cold Weather	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bond Beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

With my walk through with B. Parsons I requested that the base plates at the Elm Street entrances/slab infill get grouted.

Signed: Ethan A. Rhile, P.E.

03300 Cast-in-Place Concrete

SW Cole Compression Testing & Inspection 03300.2



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/1/2009 **Time Cast:** 9:50 **Date Received:** 6/3/2009

Placement Location: FOOTINGS: LINE A (1 - 2)

Placement Method: PUMP *

Placement Vol. (yd³): 27

Cylinders Made By: SJC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: GLENIUM

TEST RESULTS

Slump (in) (C-143):	Slump WR: 5.5	Load Number: 1
Air Content (%) (C-231):	Air WR: 6.2	Mixer Number: 192
Air Temp (°F): 58		Ticket Number: 3931952
Conc. Temp (°F) (C-1064): 64		Cubic Yards: 10
		Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-1A		4.00	12.57	6/8/2009	Lab	7	4	40.0	3180
963-1B		4.00	12.57	6/29/2009	Lab	28	4	48.8	3880
963-1C		4.00	12.57	6/29/2009	Lab	28	4	48.2	3840
963-1D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: * NORTHEAST



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/11/2009 **Time Cast:** 11:28 **Date Received:** 6/12/2009
Placement Location: WALLS: LINE 1 + PLANTAR WALL
 PIERS, F TO D2 @ INSIDE LINE 1 ELEVATOR PIT SLAB, MAIN ENTRANCE WALLS
Placement Method: PUMP **Placement Vol. (yd³):** 40
Cylinders Made By: VLT **Aggregate Size (in):** 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 3
Air Content (%) (C-231): **Air WR:** 5.2
Air Temp (°F): 55
Conc. Temp (°F) (C-1064): 65

DELIVERY INFORMATION

Admixtures: GLENIUM 7500 (MRWR)
Load Number: 1
Mixer Number: 190
Ticket Number: 3932084
Cubic Yards: 10
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-2A		4.00	12.57	6/18/2009	Lab	7	4	39.6	3150
963-2B		4.00	12.57	7/9/2009	Lab	28	4	60.2	4790
963-2C		4.00	12.57	7/9/2009	Lab	28	4	59.0	4700
963-2D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/17/2009 **Time Cast:** 11:50 **Date Received:** 6/18/2009
Placement Location: ELEVATOR SHAFT FOOTINGS 1 - 3

Placement Method: PUMP (NE)
Cylinders Made By: SJC

Placement Vol. (yd³): 16
Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

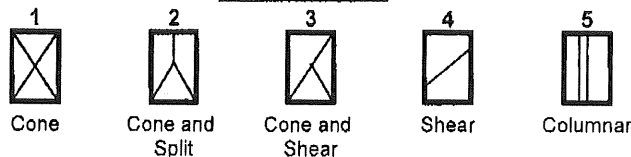
Admixtures: GLENIUM

TEST RESULTS

Slump (in) (C-143):	Slump WR: 6	Load Number: 1
Air Content (%) (C-231):	Air WR: 6.8	Mixer Number: 181
Air Temp (°F): 75		Ticket Number: 3932129
Conc. Temp (°F) (C-1064): 73		Cubic Yards: 10
		Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-3A		4.00	12.57	6/24/2009	Lab	7	4	31.5	2510
963-3B		4.00	12.57	7/15/2009	Lab	28	4	49.4	3930
963-3C		4.00	12.57	7/15/2009	Lab	28	4	51.0	4060
963-3D				Hold	Lab				

Fracture Types



Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/25/2009 **Time Cast:** 10:07 **Date Received:** 6/26/2009

Placement Location: MAIN ENTRENCE WALLS - A1 + B1
SLAB IN FILL AT ELEVATOR PIT

Placement Method: PUMP*

Placement Vol. (yd³): 22

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MRWR

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 4 1/2

Load Number: 2

Air Content (%) (C-231): **Air WR:** 7.2

Mixer Number: 172

Air Temp (°F): 68

Ticket Number: 3932168

Conc. Temp (°F) (C-1064): 76

Cubic Yards: 8

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-4A		4.00	12.57	7/2/2009	Lab	7	4	32.0	2550
963-4B		4.00	12.57	7/23/2009	Lab	28	4	49.4	3930
963-4C		4.00	12.57	7/23/2009	Lab	28	4	50.4	4010
963-4D				Hold	Lab				

Fracture Types



1
Cone



2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks: * NORTHEAST CONCETE



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 7/9/2009 **Time Cast:** 8:15 **Date Received:** 7/11/2009

Placement Location: 2ND FLOOR TRIANGLE SLAB

Placement Method: PUMP (NE)

Placement Vol. (yd³): 12

Cylinders Made By: SJC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: GLENIUM

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.5

Load Number: 1

Air Content (%) (C-231): **Air WR:** 1.7

Mixer Number: 177

Air Temp (°F): 64

Ticket Number: 3932232

Conc. Temp (°F) (C-1064): 71

Cubic Yards: 6

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-5A		4.00	12.57	7/16/2009	Lab	7	4	41.0	3260
963-5B		4.00	12.57	8/6/2009	Lab	28	4	59.8	4760
963-5C		4.00	12.57	8/6/2009	Lab	28	4	60.8	4840
963-5D				Hold	Lab				

Fracture Types



1
Cone



2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 12/18/2009 **Time Cast:** 8:10 **Date Received:** 12/21/2009

Placement Location: INT ATRIUM SOG/SOD

Placement Method: PUMP TRUCK

Placement Vol. (yd³): 14.5

Cylinders Made By: TBA

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: GLENIUM 7500
COLOR ADDATIVE

TEST RESULTS

Slump (in) (C-143): 5

Load Number: 1

Air Content (%) (C-231): 2.5

Mixer Number: 192

Air Temp (°F): 18

Ticket Number: 3934009

Conc. Temp (°F) (C-1064): 51

Cubic Yards: 7.5

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-6A		4.00	12.57	12/25/2009	Lab	7	4	35.8	2850
963-6B		4.00	12.57	1/15/2010	Lab	28	4	68.8	5480
963-6C		4.00	12.57	1/15/2010	Lab	28	4	68.0	5410
963-6D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY -
RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 1/8/2010 **Time Cast:** 7:45 **Date Received:** 1/11/2010

Placement Location: FRONT ENTRY WAY SOG

Placement Method: PUMP

Placement Vol. (yd³): 10.5

Cylinders Made By: TA

Aggregate Size (In): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: GLENIUM 7500
COLOR

TEST RESULTS

Slump (in) (C-143): 3.5

Load Number: 1

Air Content (%) (C-231): 2.5

Mixer Number: 192

Air Temp (°F): 18

Ticket Number: 3934170

Conc. Temp (°F) (C-1064): 64

Cubic Yards: 10.5

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-7A		4.00	12.57	1/15/2010	Lab	7	4	31.6	2520
963-7B		4.00	12.57	2/5/2010	Lab	28	4	59.6	4740
963-7C		4.00	12.57	2/5/2010	Lab	28	4	59.6	4740
963-7D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND ME - PORTLAND PUBLIC LIBRARY - RENOVATIONS - GEOTECHNICAL ENGINEERING

Project Number: 08-1219

Client: PORTLAND PUBLIC LIBRARY

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 1/20/2010 **Time Cast:** 9:20 **Date Received:** 1/21/2010

Placement Location: SLAB ON GRADE: MAIN ENTRANCE RAMP

Placement Method: DIRECT DISCHARGE

Placement Vol. (yd³): 10

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MRWR - GLENIUM
NO AIR, COLOR
ADDITIVE

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 3 3/4

Load Number: 1

Air Content (%) (C-231): **Air WR:** 2.0

Mixer Number: 176

Air Temp (°F): 32

Ticket Number: 3934238

Conc. Temp (°F) (C-1064): 72

Cubic Yards: 10.5

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
963-8A		4.00	12.57	1/27/2010	Lab	7	4	34.8	2770
963-8B		4.00	12.57	2/17/2010	Lab	28	4	64.6	5140
963-8C		4.00	12.57	2/17/2010	Lab	28	4	68.0	5410
963-8D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:



Concrete Construction Observation Report

Project Name/Location:	Portland Public Library	Project No.:	08-1219.1
Client/Client's Rep.:	Scott Simons Architects	Date:	6-1-09
Concrete Contractor:	Newman Concrete	Sheet:	1 Of 1
Placement Location:	Footings Line A (1-2)	SWCE Rep.:	SJC
Placement Type:	Footing <input checked="" type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	8:30 AM
		Left Site:	11:30 AM

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	See note
Location (# of bars, spacing, and cover)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
				A 615 <input type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3000 psi, 3/4"
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pump (Northeast)
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vibrated
Even layering around openings and embedments	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None Used

FIELD TESTING OF CONCRETE PERFORMED Yes No
 *CYLINDER SET NO: 963-1 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No
 Non-Conformance Item Description:
 Action Taken by SWCE:
 Person(s) Notified:

N/O = Not Observed
Notes:
 SWCE did not inspect reinforcing steel prior to placement due to insufficient time scheduled.



Concrete Construction Observation Report

Project Name/Location:	Portland Public Library Renovations	Project No.:	08-1219
Client/Client's Rep.:	Portland Public Library	Date:	6-11-09
Concrete Contractor:	Newman Concrete	Sheet:	1 of 1
Placement Location:	Walls: line 1 & Plantar wall. Piers: line D2 to F.		
Placement Type:	Elevator pit slab. Main entrance walls		
	Footing <input type="checkbox"/> Wall <input checked="" type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input checked="" type="checkbox"/>		
	SWCE Rep.:	VLT	
	Arrived at Site:	9:30 AM	
	Left Site:	1:00 PM	

PRE PLACEMENT OBSERVATIONS

	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	Inspected by Becker
Location (# of bars, spacing, and cover)	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
				A 615 <input type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

CONCRETE PLACEMENT OBSERVATIONS

	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	3000 psi, 3/4", MRWR
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Pump (Northeast)
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Vibrated
Even layering around openings and embedments	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Removal of temporary ties and spacers	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	None Used

FIELD TESTING OF CONCRETE PERFORMED

*CYLINDER SET NO: 963-2 Yes No ←*refer to associated concrete test report

POST PLACEMENT OBSERVATIONS

	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED

Yes No

Non-Conformance Item Description: _____

Action Taken by SWCE: _____

Person(s) Notified: _____

N/O = Not Observed

Notes:

Slumps 3" to 5 3/4". Air 5.2%. Conc. temp 63° to 65°. Cylinders made on 1st load.

Attachments: None

Reviewed By: RED



Concrete Construction Observation Report

Project Name/Location:	Portland Public Library Renovations	Project No.:	08-1219
Client/Client's Rep.:	Portland Public Library	Date:	6-17-09
Concrete Contractor:	Newman Concrete	Sheet:	1 of 1
Placement Location:	Elevator Shaft, Footings 1-3	SWCE Rep.:	SJC
Placement Type:	Footing <input checked="" type="checkbox"/> Wall <input checked="" type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	11:00 AM
		Left Site:	12:30 PM

PRE PLACEMENT OBSERVATIONS

	In Compliance		N/O	Comments
Bar Size (diameter, length, bend and anchorage)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	Inspected by Becker
Location (# of bars, spacing, and cover)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

Referenced Drawings	Date	Page	Rev.	ASTM	GRADE
				A 615 <input type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

CONCRETE PLACEMENT OBSERVATIONS

	In Compliance		N/O	Comments
Required mix used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	3000 psi, 3/4"
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Pump (Northeast)
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Vibrated
Even layering around openings and embedments	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	None Used

FIELD TESTING OF CONCRETE PERFORMED

*CYLINDER SET NO: 963-2

Yes No

←*refer to associated concrete test report

POST PLACEMENT OBSERVATIONS

	In Compliance		N/O	Comments
Specified finish	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Trowel
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED

Yes No

Non-Conformance Item Description: _____

Action Taken by SWCE: _____

Person(s) Notified: _____

N/O = Not Observed

Notes:

Slumps 6". Air 6.8%. Conc. temp 73°. Cylinders made on 1st load.

Attachments: None

Reviewed By: RED



Concrete Construction Observation Report

Project Name/Location:	Portland Public Library Renovations	Project No:	08-1219
Client/Client's Rep.:	Portland Public Library	Date:	7-09-09
Concrete Contractor:	Newman Concrete	Sheet:	1 of 1
Placement Location:	Second Floor Triangle Slab	SWCE Rep.:	SJC
Placement Type:	Footing <input type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input checked="" type="checkbox"/>	Arrived at Site:	7:15 AM
		Left Site:	9:15 AM

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	Inspected by Becker
Location (# of bars, spacing, and cover)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>		<u>GRADE</u>		
				A 615 <input type="checkbox"/>	A 616 <input type="checkbox"/>	A 617 <input type="checkbox"/>	A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>
				40 <input type="checkbox"/>	50 <input type="checkbox"/>	60 <input type="checkbox"/>		
				75 <input type="checkbox"/>				

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	3000 psi, ¾"
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Pump (Northeast)
Depth of layer maximum limits not exceeded	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Vibrated
Even layering around openings and embedments	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	None Used

FIELD TESTING OF CONCRETE PERFORMED
 *CYLINDER SET NO: 963-5
 Yes No
 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED
 Yes No
 Non-Conformance Item Description:
 Action Taken by SWCE:
 Person(s) Notified:

N/O = Not Observed
Notes:
 Slump 5.5". Air 1.7%. Conc. temp 71°. Cylinders made on 1st load.

Attachments: None

Reviewed By: 

05120 Structural Steel
BSE Inspection Reports

05120.1

BECKER

05120

structural engineers, inc.

OBSERVATION REPORT
Structural Steel

Date: 09/18/2009
Time: 12:15pm
Temp: Warm
Weather: Sunny

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:
Skylight steel installation, Steel Brace Installation

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Bolt Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Weld Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Grout/Leveling Plates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fit Up/Plumbness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Existing seat plate at new brace required detail modification. Field direction was given to weld the brace to this plate.

Signed: Ethan A. Rhile, P.E.

OBSERVATION REPORT
Structural Steel

Date: 07/08/2009
Time: 6:40am
Temp: Cool
Weather: Rain

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:
 Existing steel underside along Congress Street where trusses are to connect.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Bolt Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Comments
Weld Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Grout/Leveling Plates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fit Up/Plumbness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:
 I visited the site at the request of B. Parsons- An existing channel was present at the bottom of the existing beam where the trusses are to connect that was not documented on the existing drawings. Field condition was reviewed and direction was given following my visit.

Signed: Ethan A. Rhile, P.E.

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structural engineers, inc.

05120

OBSERVATION REPORT

Structural Steel

Date: 07/09/2009

Time: 1:15pm

Temp: Warm

Weather: Sunny

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:

Existing steel underside, Elm Street and Congress Street Corner.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Bolt Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Weld Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Grout/Leveling Plates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fit Up/Plumbness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

I visited the site at the request of B. Parsons- Reviewed existing granite connections for interferences with truss connections. Solutions were briefly discussed.

Signed: Ethan A. Rhile, P.E.

OBSERVATION REPORT
Structural Steel

Date: 07/15/2009
Time: 7:20am
Temp: Moderate
Weather: Partly Cloudy

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:
 Steel installation at Congress Street Infill

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Bolt Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments
Weld Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Grout/Leveling Plates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fit Up/Plumbness	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:
 Reviewed conditions w/ B Parsons. Existing interference with reinforcing angle at existing beam web penetration was discussed (angle was to remain and become part of deck support system).

Signed: Ethan A. Rhile, P.E.

OBSERVATION REPORT
Structural Steel

Date: 07/23/2009
Time: 10:20am
Temp: Moderate
Weather: Partly Cloudy

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:
 Truss Erection, Congress Street, Skylight penetrations

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Bolt Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments
Weld Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Grout/Leveling Plates	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fit Up/Plumbness	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Reviewed condition of embeds at Elm Street and found them to be unacceptable. Field direction to come in form of sketch. Also reviewed and discussed field condition at penetrations to existing steel for skylight support..

Signed: Ethan A. Rhile, P.E.

OBSERVATION REPORT

Structural Steel

Date: 07/29/2009
Time: 1:00pm
Temp: Moderate
Weather: Partly Cloudy

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:
 Truss Erection, Congress Street

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Bolt Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Weld Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grout/Leveling Plates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fit Up/Plumbness	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Reviewed field condition of truss where top condition varied from adjacent trusses.

Signed: Ethan A. Rhile, P.E.

OBSERVATION REPORT
Structural Steel

Date: 08/04/2009
Time: 1:40pm
Temp: Warm
Weather: Sunny

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:
 Truss Erection, Congress Street and Skylight Support Conditions

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Bolt Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Weld Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grout/Leveling Plates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fit Up/Plumbness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:
 Progress review on truss erection; review of skylight interference with existing steel.

Signed: Ethan A. Rhile, P.E.

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structural engineers, inc.

05120

OBSERVATION REPORT

Structural Steel

Date: 08/11/2009

Time: 1:00pm

Temp: Warm

Weather: Sunny

Project: Portland Public Library

Location: Congress Street, Portland, Maine

Becker Job No: 2059

Observation Location:

Truss Erection, Roof erection at west area roof infill.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Bolt Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Weld Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grout/Leveling Plates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fit Up/Plumbness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Moment connection was too close to existing building to make connection. Some geometric adjustment of steel and field welding was discussed as a solution.

Signed: Ethan A. Rhile, P.E.

OBSERVATION REPORT
Structural Steel

Date: 08/11/2009
Time: 7:15am
Temp: Warm
Weather: Sunny

Project: Portland Public Library
Location: Congress Street, Portland, Maine
Becker Job No: 2059

Observation Location:
 Truss Erection, Review of final top connections on all trusses.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	
Bolt Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Comments
Weld Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Anchor Bolts, Nuts, & Washers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Grout/Leveling Plates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fit Up/Plumbness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Pour Stops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bracing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Notes:

Signed: Ethan A. Rhile, P.E.

05120 Structural Steel
SW Cole (QA Labs) Reports

05120.2

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

80 PLEASANT AVENUE • SOUTH PORTLAND, MAINE 04106 • TEL: (207) 799-8911 • FAX: (207) 799-7251

INSPECTION REPORT

CUSTOMER: S. W. COLE ENG.		PAGE	1	OF	1
ADDRESS: GRAY, ME.					
ATTENTION: ROGER DOMINGO					
COPIES:					
PROJECT: PORTLAND PUBLIX LIBRARY RENOVATION					
OWNER: CITY OF PORTLAND					
CONTRACTOR: LEDGEWOOD CONSTRUCTION					
JOB No.: 08-1219	REPORT No.: QAL-09-1058	P. O. NUMBER:	DATES INSPECTED: 06 - 22 - 09		

REMARKS

>>>>>>>> SITE VISIT TO PERFORM VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS FOR LEVEL (2) FRAMING PLAN : GRID LOCATIONS 5 - 7 , D3 - D.6 (approx.)

- > STEEL BEAM STRUCTURAL ENHANCEMENTS REVEALED THE FOLLOWING :
- A) LOCATION (7) LINE @ W14x22 SHOWS BEAM WEB CLIP WITH MISSING VERTICLE WELD.
 - B) LOCATION (5.1) LINE @ EXISTING W16 WITH MISSING 1/4" X 3" STITCH WELD.
note: both locations marked with soap stone
 - C) ALL REMAINING STRUCTURAL BOLTED AND WELDED CONNECTIONS COMPLETE.

COMPLETED ITEMS COMPLY WITH SITE DRAWINGS S1.2 AND S3.2 FOR WELDMENT SIZE AND PLACEMENT.

END ITEMS////



MICHAEL W. DREW
CWI 99050211
QC1 EXP. 04/01/11

FAA REPAIR STATION NUMBER RX5R187N
METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED: SKETCH(ES) SUPPLEMENTARY SHEET(S) NDT REPORTS VIDEO

SIGNATURES		CERTIFICATION		DATE		
		LEVEL	M	D	Y	
INSPECTOR	M. Drew CWI # 99050211 <i>Michael Drew</i>	ASNT	II	06	22	09
SUPERVISOR						

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

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INSPECTION REPORT

CUSTOMER: S. W. COLE ENG.	PAGE		OF	
ADDRESS: GRAY, ME.				
ATTENTION: ROGER DOMINGO				
COPIES:				
PROJECT: PORTLAND PUBLIX LIBRARY RENOVATIONS - PORTLAND, ME.				
OWNER: SAME				
CONTRACTOR: LEDGEWOOD CONSTRUCTION				
JOB No.: 08-1219	REPORT No.: QAL-09-1196	P. O. NUMBER:	DATES INSPECTED: 07 - 09 - 09	

REMARKS

>>>>> SITE VISIT TO PERFORM VISUAL INSPECTION OF FIELD MODIFICATIONS OF STRUCTURAL STEEL CONNECTIONS :

> REF. PREVIOUS FIELD REPORT DATED 06 - 22 - 09 FOR (2) ITEMS LISTED FOR ADDITIONAL WORK :

- A) #7 LINE WITH MISSING BEAM WEB CLIP WELD NOW COMPLETE .
- B) EXISTING W 16 MARK FOR MISSING STITCH WELD NOW COMPLETE .

> INSPECTION OF #3 ELEVATOR STRUCTURAL STEEL INSTALATION :

- A) COLUMN TO COLUMN SPLICE CONNECTIONS COMPLETE .
- B) COLUMN ANCHOR BOLTED CONNECTIONS COMPLETE .
- C) COLUMN TO BEAM AND BEAM TO BEAM HIGH STRENGTH A325 T/C BOLTED CONNECTIONS COMPLETE .
- D) UPPER LEVEL FRAMING WELDED AND BOLTED CONNECTIONS COMPLETE .
- E) DECKING ATTACHMENTS FOR STAIR LANDING AREA COMPLETE .

COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1 , D1.3 REQUIREMENTS FOR VISUAL ACCEPTANCE .

END ITEMS ////



MICHAEL W. DREW
 CWI 99050211
 QC1 EXP. 06/01/11

FAA REPAIR STATION NUMBER RX5R187N
 METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED: SKETCH(ES) SUPPLEMENTARY SHEET(S) NDT REPORTS VIDEO

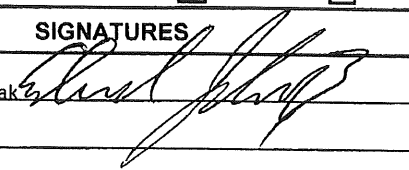
SIGNATURES			CERTIFICATION		DATE		
				LEVEL	M	D	Y
INSPECTOR	M. Drew	CWI # 99050211	<i>Michael Drew</i>	ASNT	II	07	10 09
SUPERVISOR							

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

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ULTRASONIC INSPECTION REPORT

CUSTOMER: S.W. Cole		DATE OF INSPECTION	M	D	Y
ATTENTION: Roger Domingo		REPORT No.	08	11	09
PROJECT: Portland public library.		PAGE	1	OF	1
COMPONENT INSPECTED: Tube Connection		JOB No.	08-1219		
AREA OF INTEREST: Weld		P.O. No.	08-1219		
COMPONENT LOCATION: Portland, ME		INSTRUMENT			
CUSTOMER WORK ORDER No: N/A	PART No.: N/A	MAKE: PANAMETRICS			
MATERIAL: CARBON STEEL	HEAT No.: N/A	MODEL: Epoch LTC			
COMPONENT SURFACE CONDITION: AS WELDED		EQUIPMENT No.: 35403			
EXAMINATION DATA					
Project Code/Spec AWS D1.1		MATERIAL THICKNESS: 6.35 mm (0.250 in.)			
U.T. Procedure No. N/A		SCREEN RANGE: 10"			
U.T. Technique No. N/A		COUPLANT: Sono Clear			
RESULTS: AS NOTED		INDICATIONS: AS NOTED			
REMARKS:					
Inspection of tube connections at Portland public library.					
Locations tested: S1 and S2, 2 connections each 4 total connections tested.					
All connections accepted. No rejectable indications found.					
///Last Item///					
FAA REPAIR STATION NUMBER RX5R187N					
METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE					
ADDITIONAL INFORMATION - SEE ATTACHED: <input type="checkbox"/> SKETCH(ES) <input type="checkbox"/> SUPPLEMENTARY SHEET(S) <input type="checkbox"/> VIDEO					
SIGNATURES		CERTIFICATION		DATE	
INSPECTOR E. Lesinak 		LEVEL		M	D Y
		ASNT II		08	11 09
SUPERVISOR					
AUTHORIZED INSPECTOR					
CUSTOMER REPRESENTATIVE					
		SENSITIVITY:			
		TRANSFER VALUE:			
REFERENCE BLOCKS					
MAKE: PANAMETRICS					
TYPE: IIW Block					
MATERIAL: CARBON STEEL					
EQUIPMENT No.: 088					

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

80 PLEASANT AVENUE • SOUTH PORTLAND, MAINE 04106 • TEL: (207) 799-8911 • FAX: (207) 799-7251

INSPECTION REPORT

CUSTOMER: S. W. COLE ENG.	PAGE 1 OF 1
ADDRESS: GRAY, ME.	
ATTENTION: ROGER DOMINGO	
COPIES:	
PROJECT: PORTLAND PUBLIX LIBRARY RENOVATIONS, PORTLAND, ME.	
OWNER: SAME	
CONTRACTOR: LEDGEWOOD CONSTRUCTION	
JOB No.: 08-1219	REPORT No.: QAL-09-1444
P. O. NUMBER:	DATES INSPECTED: 08 - 17 - 09

REMARKS

>>>>> SITE VISIT TO PERFORM IN-PROCESS VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS FOR SEVERAL AREAS WITHIN PROJECT RENOVATIONS :

- > BLD. EXTERIOR PIPE TRUSS SUPPORT FRAMING ASSEMBLY : GRID LOCATIONS S1 - S6 , 1 - 2 FOR ALL ELEVATIONS .
 - A) PIPE COLUMN ANCHOR POINTS SHOW SOME LOCATIONS IN-PROGRESS FOR FINAL WELDING .
 - B) ALL PIPE TO PIPE FIELD WELDED CONNECTIONS COMPLETE .
 - C) LOCATION S 5 AT ELEVATION 105' SHOWS (1) ANGLE FRAME CROSS BRACE THAT REQUIRES RE-WORK ON (1) FIELD WELD AS MARKED .
 - D) ALL HIGH STRENGTH A325 BOLTED CONNECTIONS COMPLETE .
 - E) UPPER ELEVATIONS STRUCTURAL STEEL TO EXISTING STRUCTURAL STEEL CONNECTIONS COMPLETE FOR FIELD WELDS AND BOLTS .
- > INTERIOR BLD. STRUCTURAL ENHANCEMENTS FOR SEQ, #5 AND #12A PLUS SHOW ALL ADDITIONAL ADDED STRUCTURAL COMPONETS COMPLETE AND TO DRAWING REQUIREMENTS .
- > EXTERIOR STRUCTURAL FLOOR / ROOF AREA GRID LOCATIONS 1 - 2 , A - B SHOW BEAM TO BEAM AND BEAM TO EXISTING STRUCTURAL STEEL CONNECTIONS FOR HIGH STRENGTH A325 BOLTED AND WELDED FIELD CONNECTIONS COMPLETE . DECKING ATTACHMENTS IN-PROGRESS .

COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1 REQUIREMENTS FOR VISUAL ACCEPTANCE .

END ITEMS ///

FAA REPAIR STATION NUMBER RX5R187N
METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE



MICHAEL W. DREW
CWI 99050211
CCI EXP. 03/31/11

ADDITIONAL INFORMATION - SEE ATTACHED:		<input type="checkbox"/> SKETCH(ES)	<input type="checkbox"/> SUPPLEMENTARY SHEET(S)	<input type="checkbox"/> NDT REPORTS	<input type="checkbox"/> VIDEO
SIGNATURES				CERTIFICATION	
INSPECTOR	M. Drew	CWI # 99050211		ASNT	II
SUPERVISOR					
				M	D
				08	18
				09	

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

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INSPECTION REPORT

CUSTOMER: S. W. COLE ENG.		PAGE 1 OF 1	
ADDRESS: GRAY, ME.			
ATTENTION: ROGER DOMINGO			
COPIES:			
PROJECT: PORTLAND PUBLIX LIBRARY RENOVATIONS, PORTLAND, ME.			
OWNER: SAME			
CONTRACTOR: LEDGEWOOD CONSTRUCTION			
JOB No.: 08-1219	REPORT No.: QAL-09-1503	P. O. NUMBER:	DATES INSPECTED: 08 - 21 - 09

REMARKS

>>>>>>>>> SITE VISIT TO PERFORM VISUAL INSPECTION OF STRUCTURAL STEEL FIELD CONNECTIONS OF BLD. FRONT TRUSS COMPONENTS. GRID LINES 1-2, S-6, S-9 ALL ELEVATIONS.

> LINES 1-2, S-6, S-9 REVEAL THE FOLLOWING RESULTS:

- A) (6) LOCATIONS SHOW PIPE COLUMN BASE ANCHOR POINTS STILL IN-PROGRESS FOR FIELD WELDS.
- B) S-8 & S-9 SHOW ROOF LEVEL AND LOWER ELEVATION HORIZONTAL BUTT JOINTS STILL IN-PROGRESS FOR FINAL FIELD WELDS. ALL REMAINING PIPE FIELD WELDMENTS COMPLETE.
- C) ELEVATION 110' STILL SHOWS STRUCTURAL DIAGONAL BRACE RE-WORK AT S-6 IN-PROGRESS.
- D) ROOF DECKING ATTACHMENTS AT STEEL FRAME AREA 1-2, A-B COMPLETED.

ALL COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1, D1.3 REQUIREMENTS FOR VISUAL ACCEPTANCE.

END ITEMS ////

FAA REPAIR STATION NUMBER RX5R187N
METHOD(S), PROCESS(ES), PROCEDURE(S) MERCURY FREE



MICHAEL W. DREW
CWI 99050211
EXP. 03/01/11

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SIGNATURES				CERTIFICATION		DATE	
				LEVEL	M	D	Y
INSPECTOR	M. Drew	CWI # 99050211	<i>Michael W. Drew</i>		ASNT	II	08 25 09
SUPERVISOR							

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INSPECTION REPORT

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JOB No.: 08-1219	REPORT No.: QAL-09-1630	DATES INSPECTED: 09-11-09, 09-14-09

REMARKS

>>>>> SITE VISIT TO PERFORM VISUAL INSPECTION OF STRUCTURAL STEEL FIELD CONNECTIONS :

> REF. PREVIOUS FIELD REPORT DATED 08-21-09 FOR INCOMPLETE ITEMS :

A) (3) LOCATIONS REMAIN FOR INCOMPLETE PIPE COLUMN TO SUPPORT PIER CONNECTIONS .
 B) LOCATIONS S8 & S9 COMPLETE FOR ROOF AND EXTERIOR PIPE TO PIPE FIELD CONNECTIONS .

> INTERIOR ROOF SKYLIGHT REINFORCEMENT FRAMING PLAN AT LINES 2 - 7 , B - C .

A) NEW BEAM STIFFNERS COMPLETE .
 B) PIPE TO PIPE CONNECTIONS COMPLETE .
 C) BEAM BOTTOM FLANGE WELDED PLATE COMPLETE .
 D) ALL PIPE TO SUPPORT BEAM PLATE CONNECTIONS COMPLETE .

COMPLETED ITEMS COMPLY WITH SITE DRAWINGS AND AWS D1.1 REQUIREMENTS FOR VISUAL ACCEPTANCE .

END ITEMS/////



MICHAEL W. DREW
 CWI 99050211
 QC1 EXP. 04/01/11

FAA REPAIR STATION NUMBER RX5R187N
 METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED: SKETCH(ES) SUPPLEMENTARY SHEET(S) NDT REPORTS VIDEO

SIGNATURES		CERTIFICATION	DATE		
INSPECTOR	M. Drew CWI # 99050211 <i>Michael Drew</i>	LEVEL	M	D	Y
SUPERVISOR		ASNT	II	09	14 09

Quality Assurance Labs Inc.

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INSPECTION REPORT

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OWNER: SAME			
CONTRACTOR: LEDGEWOOD CONSTRUCTION			
JOB No.: 08-1219	REPORT No.: QAL-09-2080	P. O. NUMBER:	DATES INSPECTED: 11 - 24 - 09

REMARKS

>>>> SITE VISIT TO PERFORM FINAL VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS :

> REF. DRAWING S3.2 FRAMING DETAILS :

A) BEAM TO COLUMN / BEAM TO BEAM A325 HIGH STRENGTH BOLTED CONNECTIONS COMPLETE .

B) WELDED BEAM TO BEAM WEB CONNECTIONS COMPLETE .

C) DECKING ATTACHMENTS FOR WELDS AND SCREWS COMPLETE .

> REF. PREVIOUS FIELD REPORTS FOR INCOMPLETE PIPE COLUMN TO ANCHOR POINTS :

A) GRID LINE (1) NOW SHOWS REMAINING (3) PIPE COLUMN TO ANCHOR WELDED CONNECTIONS COMPLETE .

ALL COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1 , D1.3 REQUIREMENTS FOR VISUAL ACCEPTANCE .

END ITEMS ////

FAA REPAIR STATION NUMBER RX5R187N
 METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED: SKETCH(ES) SUPPLEMENTARY SHEET(S) NDT REPORTS VIDEO

SIGNATURES		CERTIFICATION	DATE		
		LEVEL	M	D	Y
INSPECTOR M. Drew	CWI # 99050211	ASNT II	11	25	09
SUPERVISOR					

05120 Structural Steel
AISC Certification

05120.3

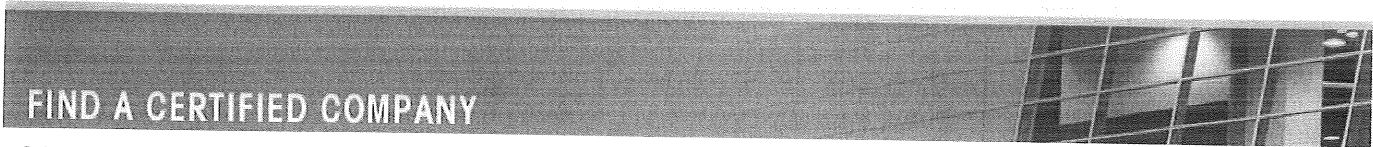


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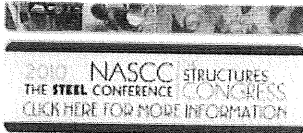
Company Details

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Certified Company Profile

Company Name	American Steel Fabricators, Inc.
Address	Saw Mill Road (Route 31)
City	Greenfield
State	NH
Zip	03047
Person	Mr. Mark Carter
E-mail Address	mcarter@aseasf.com
Phone	(603) 547-6311 Ext:
Website	http://www.aseasf.com
States of Operation	CT, ME, MA, NH, RI, VT
Designation	STD

S 2.1 Steel Bridge Fabrication Guide Specifications



Great guide for practicing engineers and inspectors
FREE Facts for Steel Buildings #3: Earthquakes and Seismic Design
 download Can help you better understand what happened in Haiti



KEY: Categories of Certification:

- Standard for Steel Building Structures (STD)
- Simple Steel Bridges (SBR) 1
- Major Steel Bridges (CBR) 1
- Certified Steel Erector (CSE)
- Advanced Certified Steel Erector (ACSE) 2
- Bridge Component Standard (CPT)
- Fracture Critical Endorsement (F)
- Sophisticated Paint Endorsement-Enclosed (P1) 3
- Sophisticated Paint Endorsement-Covered (P2) 3
- Sophisticated Paint Endorsement-Exposed (P3) 3

¹ All companies certified as AISC Major Steel Bridge fabricators automatically qualify for Simple Bridge status.

² All companies certified as AISC Advanced Certified Steel Erector automatically qualify for Certified Steel Erector status.

³ The qualification descriptors are descending inclusive but not ascending inclusive. For example, a firm Certified as a P1 shop is also Certified as P2 and P3. A firm Certified as a P2 shop is also Certified as P3, but not P1.

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05120 Structural Steel

Certificate of Compliance

05120.4

Project: Portland Public Library
Date Prepared:

Fabricator's Certificate of Compliance

Each approved fabricator that is exempt from Special Inspection of shop fabrication and implementation procedures per section 1704.2 of the International Building Code must submit a *Fabricator's Certificate of Compliance* at the completion of fabrication.

Project: Portland Public Library

Fabricator's Name: American Steel Fabricators, INC

Address: 328 Sawmill Rd. Greenfield NH 03047

Certification or Approval Agency:

Certification Number:

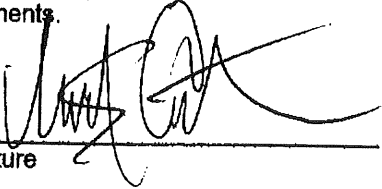
Date of Last Audit or Approval:

Description of structural members and assemblies that have been fabricated:

Structural steel and Misc. Metals per contract scope

I hereby certify that items described above were fabricated in strict accordance with the approved construction documents.

Signature



Date

4/1/10

Title

President

Attach copies of fabricator's certification or building code evaluation service report and fabricator's quality control manual

Project: Portland Public Library
Date Prepared: 4/7/09

Structural Statement of Special Inspections

Project: Portland Public Library Addition/Renovation
Location: Portland, Maine
Owner: Portland Public Library

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 the Structural Special Inspection Coordinator (SSIC) and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Structural Special Inspection Coordinator 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 the SSIC 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.

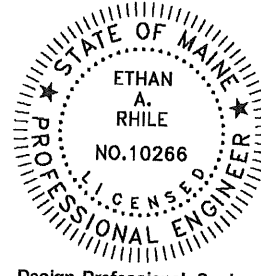
Interim Report Frequency: Upon request of Building Official _____ or per attached schedule.

Prepared by:

Ethan A. Rhile, P.E.
(type or print name of the Structural Registered Design Professional in Responsible Charge)



Signature _____ Date 4/7/09



Design Professional Seal

Owner's Authorization:

Building Code Official's Acceptance:

Signature _____ Date _____

Signature _____ Date _____

APR 17 2009

Lannie Dobson - Library C of O

From: Keith Gautreau
To: Lannie Dobson
Date: 4/9/2010 3:23 PM
Subject: Library C of O

Hi Lannie,
The Fire Department did final inspections this week on April 7th and 8th for the new Library (5 Monument Sq.) We are all set with signing off for the C of O paperwork.
Thank you for your help.
Keith

Keith Gautreau, Fire Captain
Fire Prevention Bureau
Portland Fire Department
380 Congress Street
Portland, ME 04101
(207)874-8405
kng@portlandmaine.gov