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**B E C K E R**  
structural engineers, inc.

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**Statement of Special Inspections**

Maine Historical Society Research Library  
Portland, Maine  
September 17, 2007

Statement Prepared by  
Structural Engineer of Record  
Becker Structural Engineers, Inc.  
75 York Street  
Portland, ME 04101  
207. 879. 1838

Owner  
Maine Historical Society  
489 Congress Street  
Portland, ME 04101  
207. 774. 1822

Architect of Record  
Schwartz / Silver  
75 Kneeland Street  
Boston, MA 02111  
617. 542. 6650

Contractor  
Consigli Construction Co.  
84 Middle Street  
Portland, ME 04101  
207. 791. 2511

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**Special Inspections – Exhibit A**

Statement of Special Inspections  
List of Agents  
Final Report of Special Inspections  
Special Inspector/Agent Report

# Statement of Special Inspections - Exhibit A

Project: *Maine Historical Society Research Library*

Location: *Portland, Maine*

Owner: *Maine Historical Society*

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

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

Design Professional in Responsible Charge: *Paul B. Becker, P.E.*

Firm Name: *Becker Structural Engineers, Portland, ME*

(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 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 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:

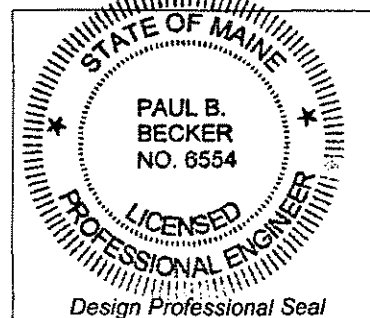
*Paul B. Becker, P.E.*

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

*Paul B. Becker*  
Signature

*9-17-07*

Date



Owner's Authorization:

Building Code Official's Acceptance:

Signature

Date

Signature

Date

## Statement of Special Inspections (Continued) - Exhibit A

### List of Agents

Project: *Maine Historical Society Research Library*

Location: *Portland, Maine*

Owner: *Maine Historical Society*

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

- Structural       Mechanical/Electrical/Plumbing  
 Architectural       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:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Soils and Foundations  | <input checked="" type="checkbox"/> Spray Fire Resistant Material |
| <input checked="" type="checkbox"/> Cast-in-Place Concrete | <input type="checkbox"/> Cold-Formed Steel Framing                |
| <input type="checkbox"/> Precast Concrete                  | <input type="checkbox"/> Exterior Insulation and Finish System    |
| <input type="checkbox"/> Masonry                           | <input type="checkbox"/> Mechanical & Electrical Systems          |
| <input checked="" type="checkbox"/> Structural Steel       | <input type="checkbox"/> Architectural Systems                    |
| <input type="checkbox"/> Wood Construction                 | <input type="checkbox"/> Special Cases                            |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Structural Special Inspection Coordinator (SSIC)	<i>Becker Structural Engineers (BSE)</i>	<i>75 York Street Portland, ME 04107 (207) 879-1838 info@beckerstructural.com</i>
2. Special Inspector (SI 1)	<i>Becker Structural Engineers (BSE)</i>	<i>75 York Street Portland, ME 04107 (207) 879-1838 info@beckerstructural.com</i>
3. Special Inspector (SI 2)	<i>Sebago Technics.</i>	<i>PO Box 1339 Westbrook, ME 04098 (207) 856-0277</i>
4. Testing Agency (TA 1)	<i>To Be Determined</i>	
5. Testing Agency (TA 2)	<i>To Be Determined</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.

Statement of Special Inspections (Continued) - Exhibit A

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: *Maine Historical Society Research Library*

Location: *Portland, Maine*

Owner: *Maine Historical Society*

Owner's Address: *489 Congress St.  
Portland, ME 04101*

Architect of Record: *Jon Traficante* *Schwartz / Silver*  
*(name)* *(firm)*

Structural Registered Design  
Professional in Responsible Charge: *Paul B. Becker* *Becker Structural Engineers*  
*(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 other than the following:

Comments:

*(Attach continuation sheets if required to complete the description of corrections.)*

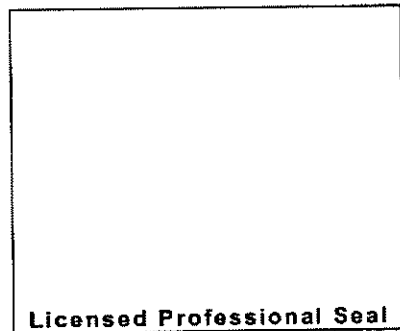
Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,  
Structural Special Inspection Coordinator

\_\_\_\_\_  
(Type or print name)

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
Signature Date



**Statement of Special Inspections (Continued) - Exhibit A**  
**Special Inspector's/Agent's Final Report**

Project: *Maine Historical Society Research Library*

Special Inspector

or Agent:

*Ken Recker, P.E.*  
*(name)*

*Sebago Technics*  
*(firm)*

Designation:

SI-2

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 other than the following:

Comments:

*(Attach continuation sheets if required to complete the description of corrections.)*

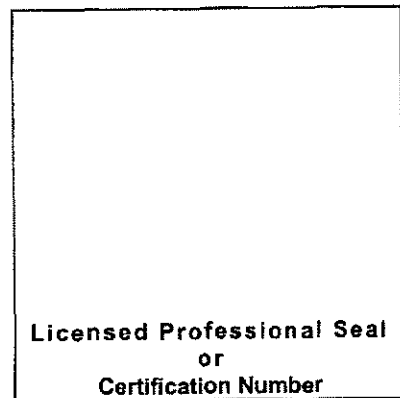
Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,  
Special Inspector or Agent:

\_\_\_\_\_  
(Type or print name)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



**Statement of Special Inspections (Continued) - Exhibit A**  
**Special Inspector's/Agent's Final Report**

Project: *Maine Historical Society Research Library*

Special Inspector  
or Agent:

*(name)*

*(firm)*

Designation: TL1

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 other than the following:

Comments:

*(Attach continuation sheets if required to complete the description of corrections.)*

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

SEAL NOT REQUIRED FOR  
TESTING AGENCY (CERT.  
NUMBER ONLY)

Licensed Professional Seal  
or  
Certification Number

Statement of Special Inspections (Continued) - Exhibit A  
Special Inspector's/Agent's Final Report

Project: *Maine Historical Society Research Library*

Special Inspector  
or Agent:

Designation: (name) (firm)  
TL2

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 other than the following:

Comments:

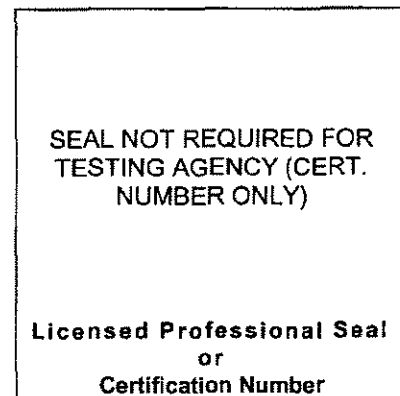
*(Attach continuation sheets if required to complete the description of corrections.)*

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





**Special Inspections – Exhibit B**

Qualifications of Inspectors and Test Agency  
List of Minimum Qualifications  
Schedule of Structural Inspections

## Schedule of Special Inspections - Exhibit B

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### Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

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

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

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

#### 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

#### Exterior Design Institute (EDI) Certification

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

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# Schedule of Special Inspections – Exhibit B SOILS & FOUNDATION CONSTRUCTION

©Becker Structural Engineers, Inc. 2005

Project: Maine Historical Society Research Library, Portland, ME  
Date Prepared: 09/17/2007

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	INITIAL
<b>IBC Section 1704.7, 1704.8, 1704.9</b>							
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 or EIT		
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 or EIT		
c. Test in-place dry density of compacted fill complies with the approved soils report.	Y	P	IBC 1704.7.2	TA1	NICET-ST or NICET-GET		
2. Pile foundations:							
a. Observe and record procedures for static load testing of pites.	N	C	IBC 1704.8	SI2	PE/GE or EIT		
b. Observe and record procedures for dynamic load testing of pites.	N	C		SI2	PE/GE or EIT		
c. Record installation of each pile. Include cutoff and tip elevations of each pile relative to permanent reference.	Y	C		TA1	NICET-GET		
d. Test welded splices of steel piles	N	C	AWS D1.1	TA1	AWS-CWI		
3. Pier foundations: Verify installation of pier foundations for buildings assigned to Seismic Design Category C, D, E or F.	N	C	IBC 1704.9	SI2	PE/GE or EIT		
a. Verify pier diameter and length	N	C		SI2	PE/GE or EIT		
b. Verify pier embedment (socket) into bedrock	N	P		SI2	PE/GE or EIT		
c. Verify suitability of end bearing strata	N	P		SI2	PE/GE or EIT		

Soils and Foundations Construction has been reviewed in accordance with sections 1704.7, 8 & 9 of the IBC Code

Special Inspector \_\_\_\_\_

Date \_\_\_\_\_

Page of \_\_\_\_\_

**Schedule of Special Inspections – Exhibit B  
CONCRETE CONSTRUCTION**

Project: Maine Historical Society Research Library, Portland, ME  
Date Prepared: 09/17/2007

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS AGENT	AGENT QUALIFICATION	DATE	INITIAL
<b>IBC Section 1704.4</b>						
1. Inspection of reinforcing steel, including prestressing tendons, and placement	Y	P	ACI 318: 3.5, 7.1-7.7	SII		
2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B	N		Welding of Reinf Not Allowed	TAI		
3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased	N	C	IBC 1912.5	SII		
4. Verifying use of required design mix	Y	P	ACI 318: Ch 4, 5.2-5.4	SII		
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	TAI		
6. Inspection of concrete and shotcrete placement for proper application techniques	Y	C	ACI 318: 5.9, 5.10	SII		
7. Inspection for maintenance of specified curing temperature and techniques	Y	P	ACI 318: 5.11-5.13	SII		
8. Inspection of Prestressed Concrete						
a. Application of prestressing force.	N	C	ACI 318: 18.20	SII		
b. Grouting of bonded prestressing tendons in seismic force resisting system	N	C	ACI 318: 18.18.4	SII		
9. Erection of precast concrete members	N	P	ACI 318: Ch 16	SII		
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	P	ACI 318: 6.2	TAI		

Concrete Construction has been reviewed in accordance with section 1704.4 of the IBC Code

Special Inspector \_\_\_\_\_

Date \_\_\_\_\_

Page of \_\_\_\_\_

# Schedule of Special Inspections – Exhibit B SPRAYED FIRE-RESISTANT MATERIALS

©Becker Structural Engineers, Inc. 2005

Project: Maine Historical Society Research Library, Portland, ME

Date Prepared: 09/17/2007

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS AGENT	AGENT QUALIFICATION	DATE	INITIAL
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	TA2		
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	TA2		
3. Thickness: Verify average thickness of the sprayed fire-resistant materials applied to structural elements shall not be less than the thickness required by the approved fire-resistance design. a. Floor, Roofs & Walls: The thickness of the sprayed fire-resistant material applied to floor, roof and wall assemblies shall be determined in accordance with ASTM E 605, taking the average of not less than four measurements for each 1,000 square feet (93 m <sup>2</sup> ) of the sprayed area on each floor or part thereof. 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.	N	C	IBC1704.3.1; ASTM E605	TA2		
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	IBC1704.3.2; ASTM E605	TA2		
	Y	C	IBC1704.4; ASTM E605	TA2		

Sprayed Fire-Resistant Materials have been reviewed in accordance with section 1704.11 of the IBC Code

Special Inspector \_\_\_\_\_

Date \_\_\_\_\_

Page of \_\_\_\_\_

# Schedule of Special Inspections – Exhibit B STEEL CONSTRUCTION

Project: Maine Historical Society Research Library, Portland, ME  
Date Prepared: 09/17/2007

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	INITIAL
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	SII	PE/SE or EIT		
b. Manufacturer's certificate of compliance required.	Y	S		SII	PE/SE or EIT		
2. Inspection of high-strength bolting							
a. Bearing-type connections.	Y	P	AISC LRFD Section M2.5	TL	AWS/AISC-SSI		
b. Slip-critical connections.	Y	C or P (method dependent)	IBC Sect 1704.3.3	TL	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	SII	PE/SE or EIT		
b. Manufacturers' certified mill test reports.	Y	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	SII	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	SII	PE/SE or EIT		
b. Manufacturer's certificate of compliance required.	Y	S		SII	PE/SE or EIT		

Steel Construction has been reviewed in accordance with section 1704.3 of the IBC Code

Special Inspector

Date

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# Schedule of Special Inspections – Exhibit B STEEL CONSTRUCTION

Project: Maine Historical Society Research Library, Portland, ME  
Date Prepared: 09/17/2007

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	INITIAL
IBC Section 1704.3							
5. Submit current AWS D1.1 welder certificate for all field welders who will be welding on this project.	Y	S	AWS D1.1	SH	PE/SE or EIT		
6. Inspection of welding (IBC 1704.3.1): a. Structural steel:							
1) Complete and partial penetration groove welds.	Y	C		TAI	AWS-CWI		
2) Multipass fillet welds.	Y	C	AWS D1.1	TAI	AWS-CWI		
3) Single-pass fillet welds > 5/16"	Y	C		TAI	AWS-CWI		
4) Single-pass fillet welds < 5/16"	Y	P		TAI	AWS-CWI		
5) Floor and Roof deck welds.	Y	P	AWS D1.3	TAI	AWS-CWI		
b. Reinforcing steel (IBC Sect 1903.5.2):							
1) Verification of weldability of reinforcing steel other than ASTM A706.	N		Welding of Reinforcement not permitted	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	C	AWS D1.4 ACI 318: 3.5.2	TAI	AWS-CWI		
3) Shear reinforcement.	N	C		TAI	AWS-CWI		
4) Other reinforcing steel.	N	P		TAI	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		SH	PE/SE or EIT		
b. Member locations.	Y	P		SH	PE/SE or EIT		
c. Application of joint details at each connection.	Y	P		SH	PE/SE or EIT		

Steel Construction has been reviewed in accordance with section 1704.3 of the IBC Code

Special Inspector

Date

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**Schedule of Special Inspection Services -- Exhibit B  
FABRICATION AND IMPLEMENTATION PROCEDURES -- STRUCTURAL STEEL**

Project: Maine Historical Society Research Library, Portland, ME

Date Prepared: 09/17/2007

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS/AGENT	AGENT QUALIFICATION	DATE	INITIAL
<p>IBC Section 1704.2</p> <p>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. AISF or SSFNE Certification</p>	Y	S	Fabricator shall submit one of the two qualifications	PE/SE or EIT		
<p>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.</p>	Y	S	IBC 1704.2.2	PE/SE or EIT		

Fabricator Qualifications have been reviewed in accordance with section 1704.2 of the IBC Code

Special Inspector

Date

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**Special Inspections – Exhibit C**

Quality Assurance for Seismic Resistance Seismic Checklist  
Quality Assurance for Seismic Resistance Wind Checklist  
Schedule of Inspections

**(Note: participation of Mechanical Engineer, and Electrical Engineer of Record will be required to complete Exhibit C)**

**Quality Assurance Plan – Exhibit C**

**QUALITY ASSURANCE FOR SEISMIC RESISTANCE CHECK LIST [IBC 1705]**

Project: Maine Historical Society Research Library, Portland, ME

Date Prepared: 09/17/2007

<b>SEISMIC DESIGN CATEGORY: C</b>	
<b>QUALITY ASSURANCE PLAN REQUIREMENTS</b>	
(A Quality Assurance Plan, enacted through the Special Inspections requirements for this project, are in place for the following systems)	
<b><input checked="" type="checkbox"/> FOR SEISMIC DESIGN CATEGORY C OR HIGHER:</b>	
<b>Structural:</b> <input checked="" type="checkbox"/> The seismic-force-resisting systems <input checked="" type="checkbox"/> Steel Braced Frames and associated connections/anchorage <input type="checkbox"/> Steel Moment Frames and associated connections <input type="checkbox"/> Shear walls: <input type="checkbox"/> CMU <input type="checkbox"/> Wood <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Diaphragms: <input checked="" type="checkbox"/> Floor <input checked="" type="checkbox"/> Roof <input type="checkbox"/> Other:	SER
<b>Mechanical/Piping:</b> <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, combustible or highly toxic materials <input type="checkbox"/> Material: <input type="checkbox"/> Material:	MER
<b>Electrical:</b> <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
<b><input checked="" type="checkbox"/> ADDITIONAL SYSTEMS FOR SEISMIC DESIGN CATEGORY D OR HIGHER:</b>	
<b>Architectural:</b> <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
<b><input type="checkbox"/> ADDITIONAL SYSTEMS FOR SEISMIC DESIGN CATEGORY D OR HIGHER:</b>	
<b>Electrical:</b> <input type="checkbox"/> Electrical equipment	EER

Not Required: SDC C

Structural Engineer of Record (SER): \_\_\_\_\_ Registered Architect of Record (RAR): \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Mechanical Engineer of Record (MER): \_\_\_\_\_ Electrical Engineer of Record (EER): \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Building Code Official's Acceptance:

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Quality Assurance Plan – Exhibit C**

**QUALITY ASSURANCE FOR WIND REQUIREMENTS CHECK LIST [IBC 1706]**

Project: Maine Historical Society Research Library, Portland, ME

Date Prepared: 09/17/2007

**Wind Exposure: B**

REQUIRED	NOT REQUIRED	NOT APPLICABLE	<b>QUALITY ASSURANCE PLAN REQUIREMENTS</b> (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 <i>m/sec</i> ) or greater.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	In wind exposure Categories C and D, where the 3-second-gust basic wind speed is 110 mph (49 <i>m/sec</i> ) or greater.

Prepared by:

Building Code Official's Acceptance:

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Signature Date

# Schedule of Special Inspections – Exhibit C SEISMIC RESISTANCE - STRUCTURAL

©Becker Structural Engineers, Inc. 2005

Project: Maine Historical Society Research Library, Portland, ME  
Date Prepared: 09/17/2007

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	INITIAL
1. Special inspections for seismic resistance. Special inspection as specified in this section is required for the following: a. The seismic-force-resisting systems in structures assigned to Seismic Design Category C, D, E or F	Y	P	Seismic Design Category: D IBC 1707.1	SII	PE/SE or EIT		
2. Structural steel: Continuous special inspection for structural welding in accordance with AISC 341.	N	P	IBC 1707.2	TA1	AWS-CWI		
3. Structural wood: a. Continuous special inspection during field gluing operations of elements of the seismic-force-resisting system. 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	C	IBC 1707.3	SII	PE/SE or EIT		
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	P	IBC 1707.3	SII	PE/SE or EIT		
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	CFSF for this project not part of the primary seismic-force resisting system IBC 1707.8 Seismic isolators not used				

Structural Seismic Resistance has been reviewed in accordance with section 1707 of the IBC Code

Special Inspector \_\_\_\_\_

Date \_\_\_\_\_

Page of \_\_\_\_\_

**Special Inspections – Exhibit D**

**Contractor's Statement of Responsibility**

# Contractor's Statement of Responsibility –Exhibit D

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

Project:

Contractor's Name:

Address:

License No.:

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

## Contractor's Acknowledgment of Special Requirements

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

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

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

## Contractor's Provisions for Quality Control

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

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

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Signature

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Date

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

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

# Fabricator's Certificate of Compliance – Exhibit D

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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:

Fabricator's Name:

Address:

Certification or Approval Agency:

Certification Number:

Date of Last Audit or Approval:

Description of structural members and assemblies that have been fabricated:

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

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

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



**End of Statement of Special Inspections**