Statement of Special Inspections

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/22/14

Project: *Press Hotel*

Location: *119 Exchange Street, Portland, ME*

Owner: *119 Development, LLC, P.O. Box7468, Portland, ME 04112*

Design Professional in Responsible Charge: *David J. Tetreault, P.E.*

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 Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

☒ Structural ☐ Mechanical/Electrical/Plumbing
☒ Architectural ☐ Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. 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.

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 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: *Monthly* or ☐ per attached schedule.

Prepared by:

David J. Tetreault, P.E.
(type or print name)

STATE OF MAINE
DAVID J. TETREAULT
No. 4840
LICENSED
PROFESSIONAL ENGINEER

Design Professional Seal

David Tetreault
Signature

12/20/13
Date

Owner's Authorization:

Signature

1-14-2014
Date

Building Official's Acceptance:

Signature

Date

Schedule of Inspection and Testing Agenc

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This Statement of Special Inspections / Quality Assurance Plan includes the following buildi

- ☐ Soils and Foundations
- ☒ Cast-in-Place Concrete
- ☐ Precast Concrete
- ☒ Masonry
- ☒ Structural Steel
- ☐ Cold-Formed Steel Framing
- ☒ Spray Fire Resistant Material
- ☐ Wood Construction
- ☐ Exterior Insulation and Finish System
- ☐ Mechanical & Electrical Systems
- ☐ Architectural Systems
- ☐ Special Cases

Special Inspection Agencies	Firm	Address, Telephone
1. Special Inspection Coordinator	*Structural Design Consulting, Inc.*	*22 Oakmont Drive* *Old Orchard Beach, ME 04064-4121* *207-934-8038*
2. Inspector	*Archetype, P.A.*	48 Union Wharf Portland, ME 04101 207-772-6022
3. Inspector	*S.W Cole Engineering, Inc.*	*286 Portland Road* *Gray, ME 04039* *207 657-2866*
4. Testing Agency	*S.W Cole Engineering, Inc.*	*286 Portland Road* *Gray, ME 04039* *207 657-2866*
5. Testing Agency		
6. Other		

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.

Quality Assurance Plan

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Special Inspections for Seismic Resistance

Seismic Design Category *B*

Special Inspections Required (Y/N) *N*

The existing lateral bracing system is not being modified and the building is in Seismic Design Category B therefore a quality assurance plan for seismic resistance is not required (IBC/2009 Section 1705.3)

Special Inspections for Wind Requirements

Basic Wind Speed (3 second gust) *100 mph*

Wind Exposure Category *B*

Special Inspections Required (Y/N) *N*

The existing lateral bracing system is not being modified the building is in wind exposure Category B with a 3-sec gust basic wind speed less than 120 mph therefore a quality assurance plan for wind is not required (IBC/2009 Section 1705.4)

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

Qualifications of Inspectors and Testing Techn

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The qualifications of all personnel performing Special Inspection and testing activities approval of the Building Official. The credentials of all Inspectors and testing technicians 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
RA	Architect- A licensed RA specializing in the design of buildings
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.

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

_____ _____

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Cast-in-Place Concrete

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Mix Design	*Y*	*4 (NICET-CT)*	*Review concrete batch tickets a approved mix design. Verify th does not exceed that allowed by the mix design.*
2. Material Certification	*N*		
3. Reinforcement Installation	*Y*	*4 (NICET-CT)*	*Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters*
4. Post-Tensioning Operations	*N*		.
5. Welding of Reinforcing	*N*		.
6. Anchor Rods	*N*		
7. Concrete Placement	*Y*	*4 (NICET-CT)*	*Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.*
8. Sampling and Testing of Concrete	*Y*	*4 (NICET-CT)*	*Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).*
9. Curing and Protection	*Y*	*4 (NICET-CT)*	*Inspect curing, cold weather protection and hot weather protection procedures.*
10. Other:			

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Masonry

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Material Certification			
2. Mixing of Mortar and Grout	*Y*	*4 (ICC-SMSI)*	*Periodically inspect proportioning, mixing and retempering of mortar and grout.*
3. Installation of Masonry	*Y*	*4 (ICC-SMSI)*	*Periodically inspect size, layout, bonding and placement of masonry units.*
4. Mortar Joints	*Y*	*4 (ICC-SMSI)*	*Periodically inspect construction of mortar joints including tooling and filling of head joints.*
5. Reinforcement Installation	*Y*	*4 (ICC-SMSI)*	*Periodically inspect placement, positioning and lapping of reinforcing steel.*
6. Prestressed Masonry	*N*		
7. Grouting Operations	*Y*	*4 (ICC-SMSI)*	*Periodically inspect placement and consolidation of grout.*
7. Weather Protection	*N*		
9. Evaluation of Masonry Strength	*N*		
10. Anchors and Ties	*N*		
11. Other:			

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Structural Steel

Item	Req'd Y/N	Agency # (	Scope
1. Fabricator Certification/ Quality Control Procedures ☐ Fabricator Exempt		*1 (P.E.)*	*Review shop fabrication and qu*
2. Material Certification	*Y*	*1 (P.E.)*	*Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes*
3. Open Web Steel Joists	*N*		
4. Bolting	*Y*	*4 (AWS/AISC-SSI)*	*Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence.*
5. Welding	*Y*	*4 (AWS/AISC-SSI)*	*Visually inspect all field welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.* *Ultrasonic testing of all full-penetration welds.*
6. Shear Connectors	*N*		
7. Structural Details	*Y*	*1 (P.E.)*	*Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.*
8. Metal Deck	*N*		
9. Other:	*N*		

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Spray-Applied Fire Resistant Material

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Material Specifications	*Y*	*2 (R.A.)*	*Prepare specification for firepr*
2. Laboratory Tested Fire Resistance Design	*Y*	*2 (R.A.)*	*Review UL fire resistive design for each rated beam, column, or assembly.*
3. Schedule of Thickness	*Y*	*2 (R.A.)*	*Review approved thickness schedule.*
4. Surface Preparation	*Y*	*4 (ICC-SFSI)*	*Inspect surface preparation of steel prior to application of fireproofing*
5. Application	*Y*	*4 (ICC-SFSI)*	*Periodically inspect application of fireproofing.*
6. Curing and Ambient Condition	*Y*	*4 (ICC-SFSI)*	*Verify ambient air temperature and ventilation is suitable for application and curing of fireproofing.*
7. Thickness	*Y*	*4 (ICC-SFSI)*	*Test thickness of fireproofing (ASTM E605). Perform a set of thickness measurements for every 1,000 SF of floor and roof assemblies and on not less than 25% of rated beams and columns.*
8. Density	*Y*	*4 (ICC-SFSI)*	*Test the density of fireproofing material (most restrictive of ASTM E605, IBC 1704.12.5 and IBC 12.6).*
9. Bond Strength	*Y*	*4 (ICC-SFSI)*	*Test the cohesive/adhesive bond strength of fireproofing (most restrictive of ASTM E736, IBC 1704.12.5 and IBC 12.6). Perform not less than one test for each ~~10,000 SF~~ 2,500 SF of floor and roof assemblies.*
10. Other:	*N*		