Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/16/16

ement of Special Inspections

Project: *West Port Lofts*

Location: *22-28 Tate Street, Portland, ME*

Owner: *Tate Street Partnership, LLC, 17 Chestnut Street, Portland, ME*

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)

Signature: David Tetreault — Date: *03/21/16*

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

Owner's Authorization:

Signature _____ Date _____

Building Official's Acceptance:

Signature _____ Date _____

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hedule of Inspection and Testing Agencies

Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- ☒ 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.*	*2696 Lake Shore Road* *Unit 130* *Gilford, NH 03249* *603-293-8038*
2. Inspector	*Summit Geoengineering Services*	*640 Main Street* *Lewiston, ME 04240* *207 576-33313*
3 Testing Agency	*Summit Geoengineering Services*	*640 Main Street* *Lewiston, ME 04240* *207 576-33313*
4		
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.

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ality Assurance Plan

cial Inspections for Seismic Resistance

Seismic Design Category	*B*
Special Inspections Required (Y/N)	*N*

Designated seismic system consists of ordinary steel moment frame, wood-framed shearwalls and connecting hardware.

Additional systems and components (IBC/2009 Section 1705.3.3) – Special Inspections are not required.
HVAC ductwork does not contain hazardous materials
Piping systems and mechanical units do not contain flammable, combustible or highly toxic materials.
There is no electrical equipment used for emergency or standby power.

Special Inspections for Wind Requirements

Basic Wind Speed (3 second gust)	*100 mph*
Wind Exposure Category	*B*
Special Inspection plan Required (Y/N)	*N*

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.

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alifications 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.

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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ls and Foundations

	Req'd Y/N	Agency # (Qualif.)	Scope
1. Shallow Foundations	*Y*	*2 (P.E.)*	*Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.* *Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill*
2. Controlled Structural Fill	*Y*	*3 (NICET-ST)*	*Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.* *Inspect placement, lift thickness and compaction of controlled fill.*
3. Deep Foundations	*N*		
4. Load Testing	*N*		
4. Other:	*N*		

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st-in-Place Concrete

	Req'd Y/N	Agency # (Qualif.)	Scope
1. Mix Design	*Y*	*3 (NICET-CT)*	*Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.*
2. Material Certification	*N*		
3. Reinforcement Installation	*Y*	*3 (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	*Y*	*3 (NICET-CT)*	*Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.*
7. Concrete Placement	*Y*	*3 (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*	*3 (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*	*3 (NICET-CT)*	*Inspect curing, cold weather protection and hot weather protection procedures.*
10. Other:	*N*		

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uctural Steel

	Req'd Y/N	Agency # (	Scope
1. Fabricator Certification/ Quality Control Procedures ☐ Fabricator Exempt	*Y*	*1 (P.E.)*	*Review shop fabrication and quality control procedures.*
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*	*3 (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*	*3 (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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ood Construction

	Req'd Y/N	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures	*N*		
2. Material Grading	*Y*	*1 (P.E.)*	*Verify material grading marks.*
3. Connections	*Y*	*1 (P.E.)*	*Verify that connections and fastenings comply with Contract Documents*
4. Framing and Details	*Y*	*1 (P.E.)*	*Verify conformance with Contract Documents*
5. Diaphragms and Shearwalls	*y*	*1 (P.E.)*	*Inspect size, configuration, and fastening of shearwalls and diaphragms. Verify panel grade and thickness.*
6. Prefabricated Wood Trusses	*y*	*1 (P.E.)*	*Verify that prefabricated wood trusses are installed and braced in accordance with Contract Documents and shop drawings.*