Statement of Special Inspections

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 07/30/15

Project: *Century Tire Warehouse*

Location: *200 Kennebec Street, Portland, ME*

Owner: *Vandelay Industries, LLC, 17 South Street, 3rd Floor, Portland, ME 04101*

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: *04/07/15*

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

Schedule of Inspection and Testing Agenc

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

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- ☐ 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 Drive Unit 130 Gilford, NH 03249 603-293-8038*
2. Inspector	*Summit Geoengineering Services*	*P.O. Box 7216 Lewiston, ME 04243 207 657-2866*
3 Testing Agency	S.W. Cole Engineering	*286 Portland Road Gray, ME 04039-9586 (207) 657-2866*
4. Testing Agency	*R.W. Gillespie & Associates*	*86 Industrial Park Road, Suite 4 Saco, ME 04072 (207) 286-8008*
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 *C*

Special Inspections Required (Y/N) *Y*

Description of seismic force resisting system and designated seismic systems:

Ordinary reinforced masonry shear walls.

1705.3.1 Q/A plan is required for the seismic force resisting system. Q/A plan consists of Special Inspections of moment connections.

1705.3.2 refers to SDC D, E and F therefore a Q/A plan for designated seismic systems not required.

1705.3.3.
Q/A plan is required for the following:
Heating, ventilating and air-conditioning (HVAC) ductwork containing hazardous materials and anchorage of such ductwork.
Piping systems and mechanical units containing flammable, combustible or highly toxic materials.
Anchorage of electrical equipment used for emergency or standby power systems.

None of these mechanical conditions are present, therefore a Q/A plan for mechanical systems is not required

Special Inspections for Wind Requirements

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

Wind Exposure Category *B*

Special Inspections 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.

Qualifications of Inspectors and Testing Techr

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.

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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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Masonry

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Material Certification			
2. Mixing of Mortar and Grout	*Y*	*3 or 4 (ICC-SMSI)*	*Periodically inspect proportioning, mixing and retempering of mortar and grout.*
3. Installation of Masonry	*Y*	*3 or 4 (ICC-SMSI)*	*Periodically inspect size, layout, bonding and placement of masonry units.*
4. Mortar Joints	*Y*	*3 or 4 (ICC-SMSI)*	*Periodically inspect construction of mortar joints including tooling and filling of head joints.*
5. Reinforcement Installation	*Y*	*3 or 4 (ICC-SMSI)*	*Periodically inspect placement, positioning and lapping of reinforcing steel.*
6. Prestressed Masonry	*N*		
7. Grouting Operations	*Y*	*3 or 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 q*
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	*Y*	*1 (P.E)*	*Inspect installation, and bridging of joists.*
4. Bolting	*N*		
5. Welding	*N*		
6. Shear Connectors	*N*		
7. Structural Details	*Y*	*1 (P.E.)*	*Inspect roof framing for compliance with structural drawings, including bracing, member configuration and connection details.*
8. Metal Deck	*N*	*3 or 4 AWS-CWI*	*Inspect welding and side-lap fastening of metal roof deck.*
9. Other:	*N*		