

Statement of Special Inspections – SOILS & FOUNDATIONS, C.I.P. CONCRETE, STRUCT. STEEL.

Project: *Townline Equipment- 40x140' PEMB & Mezzanine*

Location: *1474 NH 12A, Plainfield, NH*

Owner

/Agent: *Matt Marrazzo*

Design Professional in Responsible Charge: *Timothy L. Schaal, P.E*
(For foundations and wood-framed office)

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 by the Special Inspections Coordinator 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:

Timothy L. Schaal, P.E.

(type or print name)
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Timothy L. Schaal

Electronic Signature

3/23/21

Date

Owner/Agent's Authorization:

Building Official's Acceptance:

Signature

Date

Signature

Date

Schedule of Inspection and Testing Agencies

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Soils and Foundations | <input type="checkbox"/> Spray Fire Resistant Material |
| <input checked="" type="checkbox"/> Cast-in-Place Concrete | <input type="checkbox"/> Wood Construction |
| <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"/> Cold-Formed Steel Framing | <input type="checkbox"/> Special Cases |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator	<i>M&W Soil Engineering, Inc.</i>	<i>P.O. Box 1466 Charlestown, NH 03603 (603) 826-5873 mwsoils@myfairpoint.net</i>
2. Testing Agency	<i>M&W Soil Engineering, Inc.</i>	<i>P.O. Box 1466 Charlestown, NH 03603 (603) 826-5873 mwsoils@myfairpoint.net</i>
3. Testing Agency		
4. Testing Agency		
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

Quality Assurance for Seismic Resistance

Seismic Design Category

Quality Assurance Plan Required (Y/N) *N*

Description of seismic force resisting system and designated seismic systems:

Bearing wall system with light frame walls and wood shear panels

Quality Assurance for Wind Requirements

Basic Wind Speed (Ult. Wind Speed) *115 mph*

Wind Exposure Category *B*

Quality Assurance Plan Required (Y/N) *N*

Description of wind force resisting system and designated wind resisting components:

Bearing wall system with light frame walls and wood shear panels

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 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

Item	Agency # (Qualif.)	Scope
1. Shallow Foundations	2. <i>PE/GE</i>	<p>Verify materials below footings are undisturbed native soil adequate to achieve the design bearing capacity of 3,000 psf.</p> <p>Verify excavations are extended to proper depth and have reached proper material.</p>
2. Controlled Structural Fill	2. <i>PE/GE</i>	<p><i>Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.</i></p> <p><i>Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.</i></p> <p><i>Inspect placement, lift thickness and compaction of controlled fill.</i></p> <p><i>Test density of each lift of fill by nuclear methods (ASTM D2922)</i></p>

**Cast-in-Place Concrete
(Piers, Walls, and 6" Slab-on-grade)**

Item	Agency # (Qualif.)	Scope
1. Mix Design	2. ACI-CCI ICC-RCSI or PE	<i>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.</i>
2. Reinforcement Installation	2. ACI-CCI ICC-RCSI or PE	<i>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</i>
3. Anchor Rods	2.	<i>Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors..</i>
4. Concrete Placement	2. ACI-CCI ICC-RCSI or PE	<i>Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.</i>
5. Sampling and Testing of Concrete	2. ACI-CFTT ACI-STT	<i>Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).</i>
6. Curing and Protection	2. ACI-CCI ICC-RCSI	<i>Inspect curing, cold weather protection and hot weather protection procedures.</i>
7. Formwork	2.	<i>Inspect formwork for shape, location, and dimensions of the concrete member being formed..</i>
8. Anchor Rods installed in hardened concrete	2. ACI-CCI ICC-RCSI	<i>Inspect size, positioning, & embedment of anchor rods. Verify hole cleaning and installation of adhesives are in accordance with the manufacturer's installation instructions. Verify that the specified products are being used.</i>

**Structural Steel (Pre-Engineered
(Pre-Engineered Metal Building & Mezzanine)**

Item	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	AWS/AISC- SSI ICC-SWSI	Review shop fabrication and quality control procedures. *** OWNER to supply documentation from building manufacturer that the fabricator registered and approved to perform such work without special inspection IBC section 1704.2.5.2)
2. Material Certification	AWS/AISC- SSI ICC-SWSI	Manufacturer to supply and Agency to review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes
3. Bolting	AWS/AISC- SSI ICC-SWSI	Inspect fabricated or erected steel to verify compliance with the construction drawings. Inspect braces, stiffeners, member locations, and joint details in accordance with AISC 360 N5.7 .
4. Anchor Rods installed in hardened concrete	2. ACI-CCI ICC-RCSI	Inspect during placement of anchor rods and other embedments supporting structural steel for compliance with the construction dwgs. X AISC 360 N5.7

