



Project: Hotel, Restaurant and Portside Residences

## Schedule of Special Inspection Services

The following sheets comprise the required schedule of special inspections for this project. The construction divisions which require special inspections for this project are as follows.

- Geopiers
- Soils and Foundations
- Cast-in place Concrete
- Masonry
- Structural Steel
- Wood
- Special Cases

<b>Inspection Agents</b>	<b>Firm</b>	<b>Address</b>
1. Special Inspector	<i>John Turner Consulting</i>	<i>15 Holly St Unit 109 Scarborough, ME 04074</i>
2. Engineer of Record	<i>JSN Associates, Inc.</i>	<i>One Autumn Street Portsmouth, NH 03801</i>
3. Other		

Note: The qualifications of all personnel performing Special Inspection activities are subject to the approval of the Building Official.

**Hotel, Restaurant, & Portside Residences – Portland, Maine**

**Schedule of Special Inspection Services**

Construction Division - Soils and Foundations

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<b>Item</b>	<b>Agent Number</b>	<b>Scope</b>
1. Controlled Structural Fill	1	<p>Observe compacted fill operations to document that fill material, lift thickness, and level of compaction are in conformance with the requirements of the Construction Documents and the recommendations of the Geotechnical Engineer.</p> <p>Perform in-place density (compaction) tests at interval of one test per 2,500 SF per lift within slab areas and one test per 50 lf of foundation backfill per lift. At least one laboratory grain size analysis and modified Proctor test will be performed on each fill type used.</p>
2. Rammed Aggregate Piers	1	<p>Provide daily on-site observation and monitoring of installation procedures for rammed aggregate piers and provide daily reports. Monitor modulus load test to verify conformance with design assumptions.</p>

## Hotel, Restaurant, & Portside Residences – Portland, Maine

### Schedule of Special Inspection Services

Construction Division - Cast-in Place Concrete

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<b>Item</b>	<b>Agent Number</b>	<b>Scope</b>
1. Mix Design	1	Review for compliance with the construction documents.
2. Material Certification	1	Review for compliance with the construction documents.
3. Reinforcement Installation	1, 2	(1) Review the installation of the reinforcing steel for compliance with the construction documents and the approved shop drawings. Review for 100% of piers and column footings and retaining walls and their footings, 50% of footings and frost walls. (2) Random review of construction procedures.
4. Post-Tensioning Operations		N/A
5. Batching Plant		N/A
6. Formwork Geometry	1	Review geometry for compliance with the structural construction documents. Conduct review when reinforcing steel installation is being reviewed.
7. Concrete Placement	1	Inspect the placement of concrete for conformance with the construction documents. Test slump and temperature of each batch. Test air content when compressive strength test specimens are molded.
8. Evaluation of Concrete Strength	1	Obtain one set of 4 standard cylinders for each compressive strength test. Test one specimen at 7 days, one each at 14 days and 28 days, and retain one in reserve for later testing if required. In cold weather provide 4 additional site cured cylinders per ACI recommendations. Test for each day's pour > 15 yds. And for each 50 yds.
9. Curing and Protection	1	Verify that concrete is adequately cured and protected under hot and cold weather conditions as indicated in the concrete specifications.
10. Other		N/A

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Construction Division - Structural Steel

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<b>Item</b>	<b>Agent Number</b>	<b>Scope</b>
1. Fabrication Certification Quality Control Procedures	1	Verify that the fabricator maintains detailed fabrication and quality control procedures which conform to the requirements of the American Institute of Steel Construction's Quality Certification Program.
2. Material Certification	1, 2	(2) Review mill certificates for plates and shapes. Review bolt manufacturer's certificate of compliance for high-strength bolts. Review weld manufacturer's certificate of compliance for weld filler material. (1) Verify bolt identification markings.
3. Open Web Steel Joists		N/A
4. Bolting	1	Inspect installation of high-strength bolts for conformance with the "Specification for Structural Joints Using ASTM A325 or A490 Bolts" by the Research Council on Structural Bolts, and the Construction documents. Inspect 25% of bolted connections.
5. Welding	1	Perform visual inspection of all welds in accordance with AWS D1.1. Submit welder qualification statements.
6. Shear Connectors	1	Verify stud size and number. Perform bend test on minimum 5% of studs to verify adequacy of welded connection.
7. Structural Details	1, 2	(1) Verify that the general geometry of the erected steel frame conforms to the construction documents and the approved shop drawings. (2) Random review.
8. Other	1	Perform visual inspection of welding or fastening of floor and roof decking for conformance with the construction documents.