# **Statement of Special Inspections**

Project:	Hotel, Restaur	ant and Port	side Residences
Location:	Portland, Maine		
Owner:	Old Port Hosp	itality, LLC	
Owner's Address:	11 Corporate I	<u> Drive, Belmo</u>	nt, NH 03220
Contractor:	Opechee Construction, Belmont, NH		
Structural Engineer of Record:	JSN Associates	, Inc., Portsi	nouth, New Hampshire
special inspection requirements of the	e 2003 Internation as well as the nam	al Building C e of the Spec	permit issuance in accordance with the code. It includes a Schedule of Special cial Inspector, and the identity of other ections.
official and to the structural engineer immediate attention of the contractor	and architect of refor correction. If so code official and	ecord. Discov such discrepa the structura	furnish inspection reports to the code rered discrepancies shall be brought to the noies are not corrected, the discrepancies il engineer and architect of record. The ner responsibilities.
Interim reports shall be submitted to schedule of interim reports shall be a	the code official, opproved by the Co	wner, structi de Official p	rral engineer and architect of record. A rior to permit issuance.
A final report of inspections documend discrepancies noted in the inspections occupancy.	nting completion of shall be submitte	f all required d prior to the	special inspections and correction of any issuance of a certificate of use and
Prepared by Design Professional:  Jeffrey S. Nawrocki, PE			JEFFREY JEFFREY
(type or print name)  My Musel  Signature	\\ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 10	NAWROCKI No. 6044
			Design Frdfessibnal's Seal
Owner's Authorization:		Building O	fficial's Acceptance:
11/0/	Data	Cionotisso	Date
Signature	Date	Signature	Date

# **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.

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

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

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

Sheet 3 of 5

Item	Agent Number	Scope	
1. Controlled Structural Fill	1		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.  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.
2. Rammed Aggregate Piers	1		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.

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

# **Schedule of Special Inspection Services**

Construction Division - Cast-in Place Concrete

Sheet 4 of 5

Item	Agent Number	Scope
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

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

# **Schedule of Special Inspection Services**

Construction Division - Structural Steel

Sheet 5 of 5

Item	Agent Number	Scope		
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 Certificatio 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 of 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	<ul><li>(1) Verify that the general geometry of the erected steel frame conforms to the construction documents and the approved shop drawings.</li><li>(2) Random review.</li></ul>		
8. Other	1	Perform visual inspection of welding or fastening of floor and roof decking for conformance with the construction documents.		