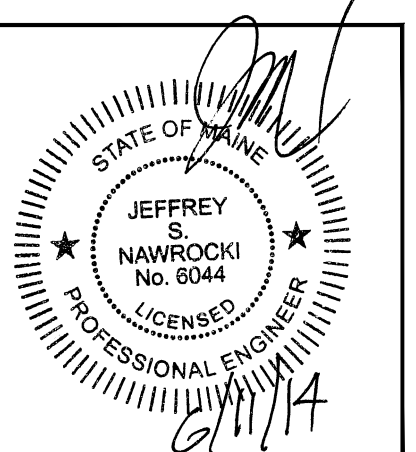




Client:  
**113 Newbury Street, LLC**  
 c/o Bluefin Investments  
 35 Fay St., Suite 107B  
 Boston, MA 02118

Architect:  
**Mark Mueller Architects**  
 100 Commercial Street  
 Suite 205  
 Portland, Maine 04101

**SEAPORT LOFTS**  
**113 Newbury Street**  
**Portland, Maine 04101**



Date: 06/11/14  
 Scale: As Noted  
 Design By: MJA  
 Approved By: JSN

Revisions

Special Inspection  
**SN.2**  
 Project No: 130816.1

**SCHEDULE OF SPECIAL INSPECTIONS**

PROJECT: SEAPORT LOFTS  
 LOCATION: 113 NEWBURY ST., PORTLAND, MAINE  
 OWNER: 113 NEWBURY STREET, LLC.  
 OWNERS ADDRESS: 35 FAY STREET, SUITE 107B, BOSTON, MASSACHUSETTS  
 ARCHITECT OF RECORD (AOR): MARK MUELLER, A.I.A.  
 STRUCTURAL ENGINEER OF RECORD (SER): JEFFREY S. NAWROCKI, P.E.

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE 2009 INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT AS WELL AS THE NAME OF SPECIAL INSPECTORS AND THE IDENTITY OF OTHER APPROVED AGENCIES INTENDED TO BE RETAINED FOR CONDUCTING THESE SERVICES.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR.

A FINAL REPORT OF SPECIAL INSPECTIONS BY THE SPECIAL INSPECTOR(S) DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

THE SPECIAL INSPECTOR, WHO IS GENERALLY EMPLOYED BY THE PRIMARY TESTING AGENCY, MAY USE VARIOUS INSPECTORS WHO ARE FAMILIAR WITH EACH CATEGORY OF WORK. IF SPECIAL INSPECTIONS ARE ALSO PERFORMED BY AGENTS WHO ARE NOT EMPLOYED BY PRIMARY TESTING AGENCY, EACH OF THESE ADDITIONAL SPECIAL INSPECTORS SHALL ISSUE A FINAL REPORT FOR THEIR CATEGORY OF INSPECTION. ONLY AFTER THE FINAL REPORT(S) HAS(HAVE) BEEN ISSUED BY THE SPECIAL INSPECTOR(S) CAN THE ARCHITECT AND EOR ISSUE FINAL AFFIDAVITS FOR THE PROJECT COMPLETION.

JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

PREPARED BY:  
  
 JEFFREY S. NAWROCKI, P.E. DATE: 6/11/14

OWNER'S AUTHORIZATION: \_\_\_\_\_ BUILDING OFFICIAL'S AUTHORIZATION: \_\_\_\_\_  
 SIGNATURE DATE SIGNATURE DATE

**SCHEDULE OF SPECIAL INSPECTION SERVICES**

THE FOLLOWING TABLES COMPRISE THE REQUIRED SCHEDULE OF SPECIAL INSPECTIONS FOR THIS PROJECT. THE CONSTRUCTION DIVISIONS WHICH REQUIRE SPECIAL INSPECTIONS FOR THIS PROJECT ARE AS FOLLOWS:

SOILS AND FOUNDATIONS  
 CAST-IN-PLACE CONCRETE  
 WOOD CONSTRUCTION  
 STRUCTURAL STEEL  
 MASONRY

INSPECTION AGENTS	FIRM	ADDRESS
1. SPECIAL INSPECTOR*	TBD	TBD
2. TESTING LABORATORY	TBD	TBD
3. STRUCTURAL ENGINEER	JSN ASSOCIATES, INC.	ONE AUTUMN STREET PORTSMOUTH, NH 03801 (603) 433-8639

NOTE: THE INSPECTION AND TESTING AGENT 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.

\* THE SPECIAL INSPECTOR IS GENERALLY AN EMPLOYEE OF THE TESTING AND GEOTECHNICAL COMPANY.

SEISMIC DESIGN CATEGORY: B  
 BASIC WIND SPEED: 100 MPH  
 WIND EXPOSURE CATEGORY: C

**QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS**

THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED IF REQUESTED.

IT IS RECOMMENDED THAT THE PERSON ADMINISTERING THE SPECIAL INSPECTIONS PROGRAM BE A PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF BUILDINGS.

**WOOD CONSTRUCTION**

ITEM	AGENT NO.	SCOPE
1. TRUSS FABRICATOR CERTIFICATION/QUALITY CONTROL PROCEDURES	3	VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES WHICH CONFORM TO THE REQUIREMENTS OF THE TRUSS PLATE INSTITUTE (TPI) AND WOOD TRUSS COUNCIL OF AMERICA (WTCOA).
2. MATERIAL GRADING	3	REVIEW SPECIES AND GRADES OF LUMBER USED TO ENSURE CONFORMANCE WITH CONSTRUCTION DOCUMENTS. REVIEW TRUSS MEMBERS TO ENSURE CONFORMANCE WITH TRUSS ENGINEERING AND SHOP DRAWINGS.
3. CONNECTIONS	3	VERIFY THAT ROOF TRUSS AND OTHER WOOD FRAME CONNECTIONS COMPLY WITH CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS.
4. FRAMING DETAILS	3	VERIFY THAT FRAMING CONFIGURATION AND ALIGNMENT OF WALL FRAMING BELOW FLOOR AND ROOF FRAMING IS AS SPECIFIED ON THE CONSTRUCTION DOCUMENTS. VERIFY PERMANENT TRUSS BRACING TO CONFORM WITH PROJECT REQUIREMENTS.
5. OTHER	3	VERIFY THAT FASTENING OF ALL LATERAL LOAD RESISTING ELEMENTS SUCH AS SHEAR WALLS AND DIAPHRAGMS ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

**CAST-IN-PLACE CONCRETE**

ITEM	AGENT NO.	SCOPE
1. MIX DESIGN	3	REVIEW FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
2. MATERIAL CERTIFICATION	3	REVIEW FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
3. REINFORCEMENT INSTALLATION	1,3	(1) REVIEW THE INSTALLATION OF THE REINFORCING STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS AND THE APPROVED SHOP DRAWINGS. REVIEW FOR 25% OF FOOTINGS, 50% OF FROST WALLS AND 100% OF RETAINING WALLS AND PIERS. (3) RANDOM REVIEW OF CONSTRUCTION PROCEDURE.
4. FORMWORK GEOMETRY	1	REVIEW GEOMETRY FOR COMPLIANCE WITH THE STRUCTURAL CONSTRUCTION DOCUMENTS. CONDUCT REVIEW WHEN REINFORCING STEEL INSTALLATION IS BEING REVIEWED.
5. 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 MOULDED.
6. EVALUATION OF CONCRETE STRENGTH	1	OBTAIN ONE SET OF (4) STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST. TEST ONE SPECIMEN AT 7-DAYS, (2) AT 28-DAYS, AND RETAIN ONE IN RESERVE FOR LATER TESTING IF REQUIRED.  IN COLD WEATHER, TEST CYLINDERS SHALL BE FIELD CURED. ADDITIONAL CYLINDERS SHALL BE TAKEN AND LABORATORY CURED PER ACI REQUIREMENTS.  TESTING FREQUENCY: (1) COMPRESSIVE STRENGTH TEST SHOULD BE PERFORMED FOR EACH DAY'S POUR EXCEEDING 5 CU. YDS. AND (1) ADD'L SET FOR EACH 50 CU. YDS. MORE THAN THE FIRST 25 CU. YDS.
7. CURING AND PLACEMENT	1	VERIFY THE CONCRETE IS ADEQUATELY PROTECTED UNDER HOT AND COLD WEATHER CONDITIONS AS INDICATED IN THE CONCRETE SPECIFICATIONS. VERIFY THAT SLABS ARE CURED IN ACCORDANCE WITH ACI RECOMMENDED STANDARD PROCEDURES.

**REINFORCED CONCRETE MASONRY**

ITEM	AGENT NO.	SCOPE
1. MATERIAL CERTIFICATION	3	REVIEW CERTIFICATES OF COMPLIANCE FOR MASONRY UNITS, MORTAR MIX DESIGNS AND STRENGTH TESTS, GROUT DESIGNS AND STRENGTH TESTS, AND MANUFACTURER'S CATALOG DATA FOR JOINT REINFORCING AND METAL ACCESSORIES.
2. MIXING OF MORTAR AND GROUT	1	INSPECT THE PROPORTIONING AND MIXING OF MORTAR AND GROUT FOR CONFORMANCE WITH ACI 530.1-08, SECTION 2.1 AND 2.6, AND THE CONSTRUCTION DOCUMENTS.
3. INSTALLATION OF MASONRY	1,3	(1) INSPECT THE PLACEMENT OF MORTAR AND MASONRY UNITS FOR CONFORMANCE WITH ACI 530.1-08, SECTION 3.3, AND THE CONSTRUCTION DOCUMENTS. (3) RANDOM OBSERVATION.
4. REINFORCEMENT INSTALLATION	1,3	(1) INSPECT THE SIZE, CONDITION, LOCATION, AND PLACEMENT OF REINFORCEMENT FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND ACI 530-08, SECTION 3.4. (3) RANDOM OBSERVATIONS.
5. GROUTING OPERATIONS	1	INSPECT THE PLACEMENT OF GROUT (INCLUDING GROUT VIBRATION) FOR CONFORMANCE WITH ACI 530.1-08, SECTION 3.5 AND THE CONSTRUCTION DOCUMENTS.
6. WEATHER PROTECTION	1	INSPECT MASONRY PLACEMENT AND PROTECTION FOR CONFORMANCE WITH ACI 530.1-08, SECTION 1.8 AND THE CONSTRUCTION DOCUMENTS.
7. EVALUATION OF MASONRY STRENGTH	1	DETERMINE STRENGTH BY THE UNIT STRENGTH METHOD IN CONFORMANCE WITH ACI 530.1-08, SECTION 1.4. PROVIDE MANUFACTURER'S TEST DATA AND CERTIFICATES FOR MASONRY UNITS, GROUT, MORTAR, AND REINFORCING.
8. CONNECTIONS	1	VERIFY THAT CONNECTIONS OF THE MASONRY UNITS TO STRUCTURAL MEMBERS ARE PROVIDED WHERE INDICATED IN THE CONSTRUCTION DOCUMENTS.

**STRUCTURAL STEEL**

ITEM	AGENT NO.	SCOPE
1. FABRICATOR 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. AISC CERTIFICATION SATISFIES THIS.
2. MATERIAL CERTIFICATION	1	REVIEW MILL CERTIFICATES FOR PLATES AND SHAPES. REVIEW BOLT MANUFACTURER'S CERTIFICATES OF COMPLIANCE FOR HIGH-STRENGTH BOLTS. REVIEW WELD MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR WELD FILLER MATERIAL.
3. 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.
4. WELDING	1	PERFORM VISUAL INSPECTION OF ALL WELDS IN ACCORDANCE WITH AWS D1.1. SUBMIT WELDER QUALIFICATION STATEMENTS. ADDITIONALLY, THE TESTING AGENCY (TO BE APPROVED BY JSN ASSOCIATES, INC.) MUST PERFORM A VISUAL INSPECTION OF ALL FIELD WELDS. MULTI PASS WELDS OR WELDS GREATER THAN 5/16" MUST BE SPOT TESTED AT A RATE OF ONE TEST PER MEMBER USING THE MAGNETIC PARTICLE METHOD. ONE HUNDRED PERCENT (100%) OF ALL FIELD AND SHOP FULL PENETRATION WELDS MUST BE TESTED USING THE ULTRASONIC METHOD.
5. SHEAR CONNECTORS	1	INSPECT SIZE, NUMBER, POSITIONING AND WELDING OF SHEAR CONNECTORS. INSPECT SUDS FOR FULL 360 DEGREE FLASH. RING TEST ALL SHEAR CONNECTORS WITH A 3 LB HAMMER. BEND TEST ALL QUESTIONABLE STUDS TO 15 DEGREES.
6. STRUCTURAL DETAILS	1, 3	(1) VERIFY THAT THE GENERAL GEOMETRY OF THE ERECTED STEEL FRAME CONFORMS TO THE CONSTRUCTION DOCUMENTS AND APPROVED SHOP DRAWINGS. (3) RANDOM REVIEW.
7. METAL DECK	1	INSPECT WELDING AND SIDE-LAP FASTENING OF METAL ROOF AND FLOOR DECK. VERIFY SIZE AND QUANTITY OF FASTENERS FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS.  FREQUENCY: 100% OF FASTENING PATTERNS. SPOT CHECK 10% OF ALL WORK FOR SIZE AND TYPE OF FASTENERS.

**SOILS AND FOUNDATIONS**

ITEM	AGENT NO.	SCOPE
1. SHALLOW FOUNDATIONS	1	VERIFY THAT UNSUITABLE BEARING MATERIALS ARE REMOVED. VERIFY THE SOIL LOAD-BEARING CAPACITY COINCIDES WITH THAT IDENTIFIED IN THE CONSTRUCTION DOCUMENTS.
2. CONTROLLED STRUCTURAL FILL	1	INSPECT COMPACTED FILL OPERATIONS TO VERIFY THE FILL MATERIAL, LIFT HEIGHTS, AND LEVEL OF COMPACTION ARE IN CONFORMANCE WITH THE REQUIREMENTS OF CONSTRUCTION.
3. DEEP FOUNDATIONS	1,3, GEOTECH. ENGINEER	(3,GE) REVIEW THE DESIGN SUBMITTAL FOR COMPLIANCE WITH THE GEOTECHNICAL & STRUCTURAL DESIGN REQUIREMENTS. (1) OBSERVE & DOCUMENT THE MODULUS TEST PIER CONSTRUCTION & RELATED TEST RESULTS. OBSERVE & DOCUMENT PIER CONSTRUCTION FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS. OBSERVE & DOCUMENT GRADATION, PLACEMENT AND COMPACTION OF ALL BACKFILL MATERIALS. OBSERVE & DOCUMENT FOOTING EXCAVATIONS AND PREPARATION OF PIER REINFORCED SUBGRADE SOILS PRIOR TO PLACEMENT OF SUBGRADE PROTECTION OR CONCRETE. OBSERVE & DOCUMENT PREPARATION OF PIER REINFORCED SUBGRADE SOILS FOR SLABS-ON-GRADE. (GE) EVALUATE SETTLEMENT PLATFORM MONITORING DATA. PREPARE AND PROVIDE A WRITTEN REPORT TO THE PIER DESIGNER SUMMARIZING CONSTRUCTION RELATED ASPECTS AND INDICATING THE WORK'S COMPLIANCE WITH THE REQUIREMENTS OF THE PIER DESIGN SUBMITTAL & RELATED CONSTRUCTION DOCUMENTS. FREQUENCY = CONTINUOUS DURING PIER FOUNDATION SYSTEM CONSTRUCTION.
4. OTHER	1	N/A