

**SCHEDULE OF SPECIAL INSPECTIONS**

PROJECT: COURTYARD MARIOTT  
 LOCATION: COMMERCIAL & MAPLE STREET, PORTLAND, MAINE  
 OWNER: JEB HOSPITALITY I, LLC  
 OWNERS ADDRESS: PO BOX 201, PORTLAND, MAINE 04112  
 ARCHITECT OF RECORD (AOR): DON BLAJDA R.A.  
 STRUCTURAL ENGINEER OF RECORD (SER): JEFFREY S. NAWROCKI, PE

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE 2000 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.

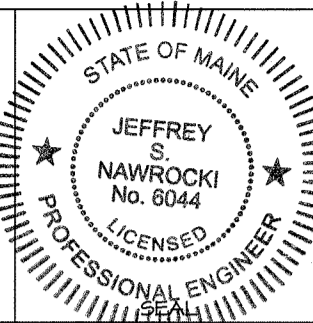
THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR.

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 SER 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* 2/13/13  
 JEFFREY S. NAWROCKI, P.E. DATE



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  
 STRUCTURAL STEEL  
 LIGHT GAGE STEEL FRAMING (PROPRIETARY SYSTEM, NON-BEARING WALLS ONLY)  
 RAMMED AGGREGATE PIERS

INSPECTION AGENTS	FIRM	ADDRESS
1. SPECIAL INSPECTOR(S) *	TBD	TBD
2. TESTING LABORATORY	TBD	TBD
3. STRUCTURAL ENGINEER	JSN ASSOCIATES, INC.	ONE AULIN STREET PORTSMOUTH, NH 02801 (603) 439-6634
4. LIGHT GAGE ENGINEER	TBD	TBD

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, AND MAY BE MORE THAN ONE PERSON.

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.

**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. RAMMED EARTH PIERS	1	VERIFY PIERS ARE INSTALLED PER PIER INSTALLER SPECIFICATIONS AND SHOP DRAWINGS.

**STRUCTURAL STEEL**

ITEM	AGENT NO.	SCOPE
1. FABRICATOR CERTIFICATION/QUALITY CONTROL PROCEDURES	3	VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES WHICH CONFORM TO THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTIONS QUALITY CERTIFICATION PROGRAM. AISC MEMBERSHIP SATISFIES THIS REQUIREMENT.
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 OF 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. FIELD FILLET WELDS > 5/16", MULTI-PASS WELDS, AND PARTIAL PENETRATION WELDS 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	N/A	(1) VISUALLY INSPECT ALL SHEAR STUD CONNECTIONS. BEND TEST 5% OF ALL STUDS TO VERIFY CONNECTIONS USING AN APPROVED TEST METHOD. VERIFY THAT THE NUMBER AND DIAMETER OF STUDS PROVIDED CONFORMS TO THE CONSTRUCTION DOCUMENTS AND APPROVED SHOP DRAWINGS. (2) RANDOM REVIEW.
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. (2) RANDOM REVIEW.

**RAMMED AGGREGATE PIERS**

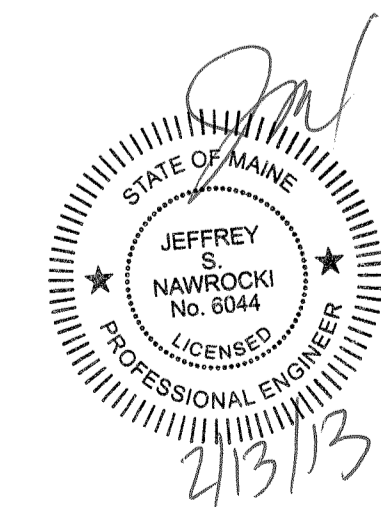
ITEM	AGENT NO.	SCOPE
1. DESIGN REVIEW	1	REVIEW DESIGN SUBMITTAL, INCLUDING ENGINEERING DESIGN CALCULATIONS, SHOP DRAWINGS, SCHEDULES AND PROPOSED QUALITY CONTROL PROCEDURES.
2. ON-SITE COORDINATION MEETINGS	1	ATTEND AN ON-SITE PROJECT COORDINATION MEETING WITH THE GENERAL CONTRACTOR AND THE RAMMED PIER INSTALLER IMMEDIATELY PRIOR TO THE START OF WORK.
3. TEST PIER CONSTRUCTION	1	OBSERVE AND DOCUMENT INITIAL DEMONSTRATION PIER CONSTRUCTION, FLOW TESTING, AND CONSTRUCTION OF THE MODULUS LOAD TEST PIER.
4. TEST PIER PERFORMANCE	1	OBSERVE AND DOCUMENT THE PERFORMANCE OF THE MODULUS LOAD TEST TO BE INSTRUMENTED AND PERFORMED BY THE RAMMED AGGREGATE PIER INSTALLER.
5. PIER CONSTRUCTION	1	OBSERVE AND DOCUMENT PRODUCTION PIER CONSTRUCTION TO CONFIRM CONSTRUCTION OF THE PIERS TO THE REQUIRED DEPTHS AND TERMINATION CRITERIA IN ACCORDANCE WITH SPECIFIED CONSTRUCTION PROCEDURES AND CONSISTENT WITH THE PROCEDURES USED TO CONSTRUCT THE MODULUS TEST PIER.
6. POTENTIAL IMPACTS TO PIERS	1	OBSERVE AND DOCUMENT OTHER EXCAVATION AND FOUNDATION CONSTRUCTION ACTIVITIES AND DOCUMENT THE EXTENT AND POTENTIAL IMPACTS OF EXCAVATIONS THAT MAY BE COMPLETED ADJACENT TO COMPLETED IMPACT PIERS SO THAT APPROPRIATE REMEDIAL MEASURES MAY BE TAKEN TO RESTORE POTENTIALLY IMPACTED PIERS.
7. SUBGRADE SOILS	1	OBSERVE AND DOCUMENT FOUNDATION SUBGRADE EXCAVATION PROCEDURES, VERIFY THE PRESENCE AND LOCATION OF SUPPORTING PIERS, AND THE SATISFACTORY PREPARATION AND PROTECTION OF THE SUBGRADE SOILS AS REQUIRED BY THE PROJECT SPECIFICATIONS.

**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. (2) 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 (2) 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.

**LIGHT GAGE STEEL FRAMING (PROPRIETARY SYSTEM)**

ITEM	AGENT NO.	SCOPE
1. FABRICATOR CERTIFICATION	4	VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES WHICH CONFORM TO THE REQUIREMENTS OF THE AMERICAN IRON AND STEEL INSTITUTE, COLD FORMED STEEL DESIGN MANUAL.
2. MATERIAL CERTIFICATION	4	REVIEW MATERIAL GRADE USED FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. VERIFY THAT MEMBER SIZES INCLUDING DEPTH, FLANGE WIDTHS, AND MATERIAL GAGE COMPLY WITH CONSTRUCTION DOCUMENTS.
3. CONNECTIONS	4	VERIFY THAT CONNECTIONS COMPLY WITH CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS. VERIFY THAT SIZE AND QUANTITY OF LIGHT GAGE FASTENERS COMPLY WITH CONSTRUCTION DOCUMENTS.
4. FRAMING AND DETAILS	4	VERIFY THAT FRAMING CONFIGURATION IS AS SPECIFIED ON THE CONSTRUCTION DOCUMENTS.



REVISION/SCHEDULE	BY
REVISION DESCRIPTION	E.L.
UPDATE INFORMATION AND REVISE TITLE BLOCK	E.L.
DATE: 01-30-13	
DATE: 02-15-13	

**COPECEE**  
 CONSTRUCTION CORPORATION  
 11 CORPORATE DRIVE, BELMONT NH 03220  
 PHONE (603) 827-9090 FAX (603) 827-9191

**STRUCTURAL NOTES**

PROJECT: COMMERCIAL & MAPLE STREET  
 MIXED USE DEVELOPMENT  
 PORTLAND ME.

DATE: 02-13-13  
 SCALE: NTS  
 DRAWN BY: E.L.  
**SN.2**  
 SHEET: