Reviewed for Code Compliance
Inspections Division
Approved as Noted
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STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

THIS STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR BUILDING PERMIT ISSUANCE IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES

APPLICABLE TO THIS PROJECT AS WELL AS THE NAME OF THE STRUCTURAL SPECIAL INSPECTION COORDINATOR AND THE IDENTITY OF THE APPROVED AGENCIES TO BE RETAINED FOR CONDUCTING THESE TESTS AND INSPECTIONS.

PROJECT:	23 OCEAN AVE
LOCATION:	23 OCEAN AVE, PORTLAND, ME
OWNER:	ADAM COPE
CODE ENFORCEMENT OFFICER:	LAURIE LEADER
DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:	ERIC DUBE, P.E.
SEISMIC RESISTANCE:	SEISMIC DESIGN CATEGORY "B"
WIND RESISTANCE:	EXPOSURE "B" BASIC WIND SPEED 100MPH

THE SPECIAL INSPECTION COORDINATOR SHALL KEEP RECORDS OF ALL TESTS AND INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. NONCOMPLIANT WORK (DEFICIENCIES) SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DEFICIENCIES ARE NOT CORRECTED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

A FINAL REPORT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED TEST, INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES DETECTED SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

PREPARED BY: ERIC DUBE, P.E.

DATE: 3-30-17

STATE OF MAINE
ERIC DUBE
No. 12630
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONAL SEAL

OWNER'S AUTHORIZATION:		BUILDING CODE OFFICIAL'S ACCEPTANCE:	
SIGNATURE:	DATE:	SIGNATURE:	DATE:
PRINT NAME:		PRINT NAME:	

CONTRACTOR'S RESPONSIBILITIES

STRUCTURAL TESTS AND SPECIAL INSPECTIONS DO NO RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES AND OBLIGATIONS FOR QUALITY CONTROL OF THE WORK, THEIR OBLIGATIONS FOR SUPERVISING THE WORK, FOR ANY DESIGN WORK THAT IS INCLUDED IN THEIR SCOPE OF SERVICES AND

FOR FULL COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FURTHERMORE, THE DETECTION OF, OR THE FAILURE TO DETECT DEFICIENCIES IN THE WORK DURING TESTING AND INSPECTION CONDUCTED PURSUANT TO THIS PROGRAM SHALL

NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO CORRECT ALL DEFICIENCIES OR DEFECTS, WHETHER DETECTED OR UNDETECTED, IN ALL PARTS OF THE WORK, AND TO OTHERWISE COMPLY WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

JOB SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT PART OF THESE TESTS AND INSPECTIONS.

MATERIALS AND ACTIVITIES TO BE TESTED AND INSPECTED DO NOT INCLUDE THE CONTRACTOR'S EQUIPMENT OR THE MEANS, METHODS AND PROCEDURES USED TO ERECT OR INSTALL THE MATERIALS OR ASSEMBLIES LISTED.

WHERE A STRUCTURAL COMPONENT OR SYSTEM IS SUBJECT TO TESTS AND INSPECTIONS AS DETERMINED BY THE BUILDING OFFICIAL, AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR THE PROJECT HAS NOT BEEN RETAINED TO DESIGN OR,

TO PREPARE A PERFORMANCE SPECIFICATION FOR SAID COMPONENT OR SYSTEM, THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO DESIGN SAID COMPONENT OR SYSTEM AND TO PROVIDE ANY REQUIRED TESTS AND INSPECTIONS.

THE CONTRACTOR SHALL PROVIDE FREE AND SAFE ACCESS TO THE WORK FOR ALL INDIVIDUALS WHO ARE PERFORMING THE TESTS OR INSPECTIONS.

THE CONTRACTOR SHALL PROVIDE ALL LADDERS, SCAFFOLDING, STAGING, AND UP-TO-DATE SAFETY EQUIPMENT, ALL IN GOOD AND SAFE WORKING ORDER, AND QUALIFIED PERSONNEL TO HANDLE AND ERECT THEM, AS MAY BE REQUIRED FOR SAFE ACCESS.

THE CONTRACTOR SHALL GIVE REASONABLE NOTICE TO THOSE PERFORMING INSPECTIONS AND TESTS OF WHEN THE VARIOUS PARTS OF THE WORK WILL BE READY FOR TESTING AND INSPECTION.

THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM THE INSPECTION COORDINATOR AS TO WHAT IS REASONABLE NOTICE FOR THE VARIOUS ASPECTS OF THE WORK (TYPICALLY 48 HOURS), WHO IS TO BE NOTIFIED AND HOW.

THE OWNER RESERVES THE RIGHT TO BACK CHARGE THE CONTRACTOR FOR ADDITIONAL EXPENSE INCURRED BY THE OWNER FOR THE SERVICES OF THE INSPECTORS WHEN WORK IS NOT REASONABLY READY FOR INSPECTION IN ACCORDANCE WITH THE NOTICE PROVIDED BY THE CONTRACTOR.

LIKEWISE, IF WORK IS REPEATEDLY FOUND DEFICIENT, COSTS FOR A THIRD INSPECTION AND BEYOND MAY BE REIMBURSED FROM THE CONTRACTOR.

SCHEDULE OF TESTING AND INSPECTION AGENCIES

SPECIAL INSPECTION AGENCIES	FIRM	ADDRESS, TELEPHONE
1. SPECIAL INSPECTION COORDINATOR	CASCO BAY ENGINEERING	424 FORE STREET PORTLAND, MAINE 04101 (207) 842-2800
2. BUILDING INSPECTORS	CASCO BAY ENGINEERING	424 FORE STREET PORTLAND, MAINE 04101 (207) 842-2800
3. EARTHWORK INSPECTOR	TO BE DETERMINED	
4. CONCRETE TESTING AGENCY	TO BE DETERMINED	
5. STEEL TESTING AGENCY	TO BE DETERMINED	

NOTE: THE INSPECTORS AND TESTING AGENCIES SHALL BE ENGAGED BY THE OWNER OR OWNER'S AGENT (UNLESS NOTED OTHERWISE), AND NOT BY THE CONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

THE CREDENTIALS AND QUALIFICATIONS OF ALL INDIVIDUALS PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

CREDENTIALS SHALL BE PROVIDED FOR REVIEW, APPROVAL AND RECORD.

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, LICENSE OR EXPERIENCE

LEVEL AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR WITH THE AGENCY NAME ON THE SCHEDULE.

ENGINEER	
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
EXPERIENCED TESTING TECHNICIAN	
ETT	EXPERIENCED TESTING TECHNICIAN - AN EXPERIENCED TESTING TECHNICIAN WITH A MINIMUM 5 YEARS EXPERIENCE WITH THE STIPULATED TEST.
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	CONCRETE CONSTRUCTION INSPECTOR
INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	
ICC-SMSI	STRUCTURAL MASONRY SPECIAL INSPECTOR
ICC-SWSI	STRUCTURAL STEEL AND WELDING 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

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIFICATION
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY AND ARE CONSISTENT WITH THE GEOTECHNICAL REPORT.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED THE PROPER MATERIAL.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
4. TEST AND VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS	EARTHWORK INSPECTOR	PE/GE EIT, ETT
5. INSPECT REMOVAL OF UNSUITABLE MATERIAL AND PREPARATION OF SUBGRADE PRIOR TO PLACEMENT OF CONTROLLED FILL.	CONTINUOUS	EARTHWORK INSPECTOR	PE/GE EIT, ETT
6. PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
7. APPROVE SUBGRADE PRIOR TO FORMING FOOTINGS, PREPARING SLABS-ON-GRADE AND PLACING CONCRETE.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIFICATION
1. INSPECTION OF REINFORCING STEEL INCLUDING SIZE, SPACING, COVER, LAPS. VERIFY THAT BARS ARE FREE OF FORM OIL OR OTHER DELETERIOUS MATERIALS. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS	PERIODIC	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT
2. INSPECTION OF EMBEDDED STRUCTURAL STEEL ITEMS, SUCH AS COLUMN ANCHOR RODS, PRIOR TO AND DURING CONCRETE PLACEMENT. INSPECT SIZE, POSITIONING, EMBEDMENT AND CONCRETE CONSOLIDATION AROUND ANCHORS.	PERIODIC	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT
3. REVIEW 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.	CONTINUOUS	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT
4. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, VERIFY SLUMP, AIR CONTENT AND TEMPERATURE.	CONTINUOUS	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT
5. INSPECTION OF CONCRETE FOR PROPER PLACEMENT TECHNIQUES, INCLUDING HOT AND COLD WEATHER CONCRETING. VERIFY THAT CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION AND ACHIEVES PROPER CONSOLIDATION.	CONTINUOUS	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT
7. INSPECT FORMWORK GEOMETRY, FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT
8. INSPECT THE TIMELY INSTALLATION OF SLAB CONTROL JOINTS AND LOCATION OF THICKENED SLABS.	PERIODIC	CONCRETE TESTING AGENCY	ACI-CFTT, ACI-STT

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIFICATION
1. REVIEW SHOP FABRICATION CERTIFICATION AND QUALITY CONTROL PROCEDURES.	SUBMITTAL	CASCO BAY ENGINEERING	PE/SE
2. VERIFY MATERIALS: REVIEW CERTIFIED MILL TEST REPORTS AND IDENTIFICATION MARKINGS ON WIDE-FLANGE SHAPES, HIGH-STRENGTH BOLTS, NUTS AND WELDING ELECTRODES.	SUBMITTAL	CASCO BAY ENGINEERING	PE/SE
3. INSPECT INSTALLATION AND TIGHTENING OF HIGH-STRENGTH BOLTS IN BEARING CONNECTIONS.	PERIODIC	STEEL TESTING AGENCY	AWS/AISC-SSI
4. INSPECTION OF BOLTS IN SLIP-CRITICAL CONNECTIONS.	CONTINUOUS	STEEL TESTING AGENCY	AWS/AISC-SSI
5. INSPECT STEEL FRAME FOR COMPLIANCE WITH STRUCTURAL DRAWINGS, INCLUDING BRACING, MEMBER CONFIGURATION AND CONNECTION DETAILS.	PERIODIC	CASCO BAY ENGINEERING	PE/SE, EIT

REQUIRED VERIFICATION AND INSPECTION OF WOOD CONSTRUCTION

VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIFICATION
1. VERIFY MATERIALS: SPECIES & GRADE OF FRAMING MEMBERS	SUBMITTAL	CASCO BAY ENGINEERING	PE/SE
2. VERIFY MATERIALS: THICKNESS AND SPAN RATING OF SHEATHING MATERIALS	SUBMITTAL	CASCO BAY ENGINEERING	PE/SE
3. INSPECT WOOD FRAMING FOR COMPLIANCE WITH STRUCTURAL DRAWINGS, INCLUDING SHEAR WALLS, MEMBER CONFIGURATION AND CONNECTION DETAILS.	PERIODIC	CASCO BAY ENGINEERING	PE/SE, EIT

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CLIENT:
Kevin Moquin
Architect
PORTLAND, ME
207.615.6421

STATE OF MAINE
ERIC DUBE
No. 12630
LICENSED
PROFESSIONAL ENGINEER

23 OCEAN
23 OCEAN AVE
PORTLAND, ME

PROPOSED BUILDING

ISSUED

No.	DESCRIPTION	DR. BY	CKD. BY	DATE
C	ISSUED FOR PERMIT	TD	ED	3-30-17

SHEET TITLE:

SPECIAL INSPECTIONS

DESIGNED:	ED
DRAWN:	CD
DATE:	9-14-16
PROJECT NUMBER:	16-063

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