

April 16th, 2015

14064

Code Enforcement Officer
389 Congress St
Portland, ME 04101

Re: 2015 Allagash Brewery Expansion, Portland, ME
Statement of Special Inspections – Final Report

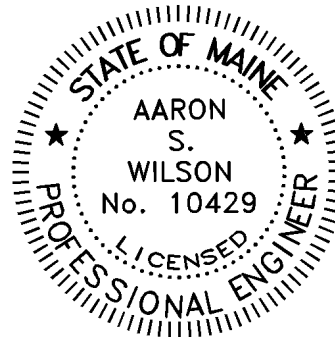
Dear CEO,

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved.

Sincerely,



Aaron S. Wilson, P.E.
Structural Engineer
Associated Design Partners, Inc.



**STATEMENT OF SPECIAL
CONSTRUCTION MONITORING**

**PROJECT: ALLAGASH BREWERY 2015 EXPANSION
50 Industrial Way, Portland Maine**

**PERMIT APPLICANT: Allagash Brewing Company
APPLICANT'S ADDRESS: 50 Industrial Way, Portland, ME 04103**

STRUCTURAL ENGINEER OF RECORD: Associated Design Partners, Inc

CONTRACTOR: Landry and French

This Statement of Special Construction Monitoring is submitted as a condition for building permit issuance in accordance with Section 1704.0 of the 2009 International Building Code. It includes the Schedule of Special Construction Monitoring and Testing as applicable to this project. Also included is a listing of agents and other approved agencies to be retained for conducting the monitoring and testing applicable to this project.

The Special Construction Monitoring Coordinator shall keep records of all observations listed herein, and shall furnish field reports to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction, and to the Registered Design Professional of Record. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Registered Design Professional of Record. Interim reports shall be submitted to the Registered Design Professional of Record monthly, unless more frequent submissions are requested.

The Special Inspection program does not relieve the Contractor of his or her responsibilities. Job site safety is solely the responsibility of the Contractor. Materials and activities covered under the monitoring schedule are not to include the Contractor's equipment and methods used to erect or install the materials listed.

Prepared by:

Aaron S. Wilson, P.E.

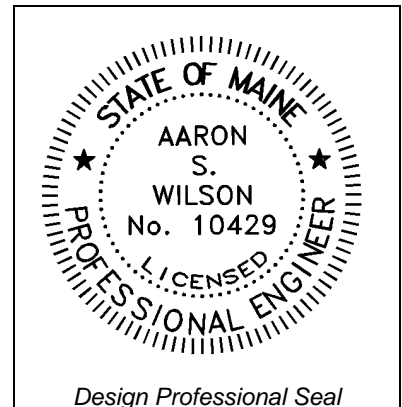
(type or print name)



Signature

7/25/14

Date



Owner's Authorization:

Building Official's Acceptance:

Signature

Date

Signature

Date

SPECIAL CONSTRUCTION MONITORING AGENTS

This Statement of Special Construction Monitoring / Quality Assurance Plan includes the following building systems:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Soils and Foundations
<input checked="" type="checkbox"/> Cast-in-Place Concrete
<input type="checkbox"/> Precast Concrete
<input type="checkbox"/> Masonry
<input checked="" type="checkbox"/> Structural Steel
<input type="checkbox"/> Cold-Formed Steel Framing | <input type="checkbox"/> Spray Fire Resistant Material
<input type="checkbox"/> Wood Construction
<input type="checkbox"/> Exterior Insulation and Finish System
<input type="checkbox"/> Mechanical & Electrical Systems
<input type="checkbox"/> Architectural Systems
<input type="checkbox"/> Special Cases |
|--|--|

AGENT	FIRM	CONTACT INFORMATION
1. Engineer of Record	Associated Design Partners	80 Leighton Rd Falmouth ME 04105 Ph: 878-1751
2. Special Construction Monitoring Coordinator	Associated Design Partners	80 Leighton Rd Falmouth ME 04105 Ph: 878-1751
3. Field Monitor	S.W. Cole	286 Portland Road Gray, ME 04039-9586 P: (207) 657.2866
4. Testing Agency	S.W. Cole	286 Portland Road Gray, ME 04039-9586 P: (207) 657.2866
5. Other		

Note: The construction monitoring agent and testing agency 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.

QUALITY ASSURANCE FOR LATERAL SYSTEMS

Quality Assurance for Seismic Requirements

Seismic Design Category *B*
Quality Assurance Plan Required (Y/N) *N*

If seismic design category C, and plan is not required, explain (see exceptions to 1705.1)

Description of seismic force resisting system and designated seismic systems:

Ordinary Steel Moment Frames

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) *98MPH*
Quality Assurance Plan Required (Y/N) *N*

Description of wind force resisting system and designated wind resisting components:

Ordinary Steel Moment Frames

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility in accordance with section 1705.3, and 1706.3 of the 2009 IBC code.

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

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 or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

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

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	Non-Destructive Testing Technician – Level II or III.
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International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete 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

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector
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TABLE 1 – SCHEDULE OF SPECIAL CONSTRUCTION MONITORING

MATERIAL / ACTIVITY		EXTENT of MONITORING (Continuous, Periodic, Other, Exempt, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.3 STEEL CONSTRUCTION						
1. Material Verification of high strength bolts, nuts, and washers.	a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Periodic		1	12-18-14	
	b. Manufacturers Certificate of Compliance required.	Periodic		1		
2. Inspection of High – Strength Bolting	a. Bearing type connections	Periodic		3	12-18-14	
	b. Slip – critical connections	None	No SC connections in building			
3. Material Verification of structural steel	a. Identification marking to conform to ASTM standards specified in the contract documents.	All	SER to verify on shop drawings. #3 to verify in field	3	12-18-14	
	b. Manufacturers certified mill test Reports.	Exempt	Engage AISC certified fabricator			
4. Material Verification of weld filler materials:	a. Identification marking to conform to ASTM standards specified in the contract documents.	All	SER to verify on shop drawings.	3	12-18-14	
	b. Manufacturers Certificate of Compliance required.	Exempt	Engage AISC certified fabricator			
5. Inspection of Welding – Structural Steel	a. Single Pass fillet welds < 5/16”	Periodic		1,3	12-18-14	
	b. Floor and deck welds	Periodic		1,3	12-18-14	
6. Inspection of Steel Frame Joint details for compliance with approved construction documents.	a. Bracing connections	All		3	12-18-14	
	b. Member locations	Periodic		3	12-18-14	
	c. Application of joint details at each connection.	Periodic				

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY	EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.4 CONCRETE CONSTRUCTION					
1. Inspection of reinforcing steel, including placement.	Continuous		3	10-20-14	
2. Inspection of reinforcing steel couplers	None	No welded reinforcing.		10-20-14	
1. Inspect bolts embedded into concrete prior to and during placement of concrete where allowable loads have been increased.	None	Allowable loads have not been increased for lateral loads.			
2. Verify use of required concrete mix design(s)	Continuous	SER review and approve mix design prior to installation. SI verify delivery ticket matches approved mix design.	1,3	10-20-14	
3. Sample fresh concrete for strength tests, perform slump and air content tests, and determine temperature of concrete.	Continuous		3	2-16-15	
6. Inspection of concrete placement for proper techniques.	Continuous		3	10-20-14	
7. Inspection for maintenance of specified curing temperature and techniques.	Periodic		3	10-20-14	
1704.5 MASONRY CONSTRUCTION - Level 1 Special Inspection for non-essential facility – 1704.5.2					
1. As Masonry Construction begins, the following shall be verified to ensure conformance	a. Proportions of site-prepared mortar	None			
	b. Construction of mortar joints	None			
	c. Location of reinforcement	None			
	d. Pre-stressing technique	None	No pre-stressing in building		
	e. Grade and size of pre-stressing tendons.	None	No pre-stressing in building		
2. The Inspection program shall verify the following:	a. Size and location of structural elements.	None			
	b. Type, size, and location of embedded anchors.	None			
	c. Size, grade, and type of reinforcing	None			

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.5 MASONRY CONSTRUCTION - Level 1 Special Inspection for non-essential facility – 1704.5.2						
2. The Inspection program shall verify the following, cont:	d. welding of reinforcing bars	None				
	e. Protection of Masonry during cold weather (temp. below 40 deg F.)	None				
	f. Application and measurement of pre-stressing reinforcement	None	No pre-stressing in building			
3. Prior to grouting, the following shall be verified to ensure compliance.	a. Grout space is clean	None				
	b. Placement of reinforcement	None				
	c. Proportions of site-prepared grout	None				
	d. Construction of mortar joints	None				
4. Grout placement shall be verified to ensure compliance with code and construction document provisions.		None				
5. Preparation of any grout specimens, mortar specimens and/or prisms shall be observed		None				
4. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		None				
1704.6 WOOD CONSTRUCTION						
1. Horizontal Diaphragms and Vertical Shearwalls	a. Inspect sheathing size, grade, and thickness for conformance with construction documents.	None				
	b. Inspect sheathing fastener size and pattern for conformance with construction documents.	None				
	c. Verify attachment to supporting elements is per contract documents.	None				
2. Wood truss fabricator certification / quality control procedures	Verify shop fabrication and quality control procedures for wood truss plant.	None				
3. Material Grading	Verify material grading for sawn lumber for compliance with construction documents. Verify manufactured lumber (LVL'S, PSL'S) for conformance with construction documents.	None				

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY	EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.6 WOOD CONSTRUCTION					
4. Wood Connections	Verify that connections are made as shown in the contract documents. For connections not specifically detailed, verify conformance with IBC 2003 Ch. 23	None			
5. Framing	Verify that framing is installed in accordance with construction documents.	None			
6. Pre-Fabricated Wood Trusses					
1704.7 SOILS					
1. Site Preparation	Inspect preparation of site for conformance with Geotechnical recommendations prior to placement of prepared fill.	Periodic	3	12/18/14	
2. Fill Placement	During Fill Placement verify that material and lift thickness comply with approved Geotechnical report.	Periodic	3	12/18/14	
3. In-Place Soil Density	Verify compliance of in-place compacted dry density with approved Geotechnical report.	Continuous	3	12/18/14	
1704.7 PILE FOUNDATIONS	Record installation and testing of procedures of each pile. Submit reports to building official and EOR. Reports to include pile tip cutoff elevation relative to a common benchmark.	None			
1704.10 ARCHITECTURAL WALL PANELS AND VENEERS	Verify compliance of attachment of interior and exterior Architectural veneers to supporting structure for building in Seismic Design Category E or F.	None			
1704.11 SPRAYED FIRE-RESISTANT MATERIAL	a. Verify conformance of the prepared surface with manufacturer's specifications prior to application of material.				
	b. Verify that substrate's ambient				

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
	temperature meet manufacturer's specifications.					
	c. Verify that material thickness meets design specifications.					
	d. Verify that the material density meets the design specifications. Test in accordance with ASTM E 605.					
	e. Verify that bond strength between material and substrate is greater than or equal to 150 psf. Test in accordance with ASTM E 736 and IBC 2003 1704.11.5.1 – 1704.11.5.2					
1704.12 EXTERIOR AND INSULATION AND FINISH SYSTEMS (EIFS)	Verify conformance of EIFS installation with manufacturers and design specifications.		Not Required if applied over a water resistive barrier with a means of draining moisture to the outside. Not required for EIFS installed over concrete or masonry walls.			
1704.13 SPECIAL CASES COLD FORMED METAL FRAMING						
1. Horizontal Diaphragms and Vertical Shearwalls	a. Inspect sheathing size, grade, and thickness for conformance with construction documents.	None				
	b. Inspect sheathing fastener size and pattern for conformance with construction documents.					
2. Framing	Verify member size, thickness, material, and spacing is in accordance with design specifications and drawings.	None				
3. Wood truss fabricator certification / quality control procedures	Verify shop fabrication and quality control procedures for wood truss plant.	None				
4. Framing Connections	Verify that member connections are in accordance with design specifications and drawings.	None				

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
5. Welding	Verify welding of cold formed members is in accordance with design specifications and AWS standards.	None				
6. Light Gage Trusses	a. Verify that light gage trusses are design in accordance with the loads specified on the contract documents.	None				
	b. Verify that light gage trusses and truss bracing is installed per manufacturers specifications, contract documents, and BCSI 1-03 guidelines.					
1704.10 SPECIAL CASE – N/A						
	a.					