

# **Structural Special Inspections Report**

### **Seaside Rehab Room Addition**

Portland, Maine June 16, 2015

Report Prepared by:

Structural Engineer of Record
Becker Structural Engineers, Inc.
75 York Street
Portland, ME 04101
207. 879. 1838

### **Seaside Rehab Room Addition**

Portland, Maine June 16, 2015

Structural Engineer of Record
Becker Structural Engineers
75 York Street
Portland, ME 04101
207.879.1838

Owner
First Atlantic Corporation
100 Waterman Drive
South Portland, ME 04106
207.874.2700

Architect of Record Foreside Architects 5 Fundy Road Falmouth, ME 04105 207.781.3344

Contractor
Ledgewood Construction
27 Main Street
South Portland, ME 04106
207.767.1866



## **Seaside Rehab Room Addition**

Portland, Maine June 16, 2015

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## **Special Inspections - Section A**

Statement of Special Inspections List of Agents Final Report of Special Inspections



Project: Seaside Rehab Room Addition
Date Prepared: October 30, 2014

### Structural Statement of Special Inspections Project: SEASIDE REHAB ROOM ADDITION Location: Portland, Maine Owner: First Atlantic Corporation This Statement of Special Inspections encompass the following discipline: Structural This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the 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 (SSIC) and the identity of other approved agencies to be retained for conducting these inspections and tests. The Structural Special Inspection Coordinator shall keep records of all Structural inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Structural Registered Design Professional in Responsible Charge (SRDP). Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Structural Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities. Interim reports shall be submitted to the Building Official and the Structural Registered Design Professional in Responsible Charge at an interval determined by the SSIC and the BCO. A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted to the BCO prior to issuance of a Certificate of Use and Occupancy. Job site safety and means and methods of construction are solely the responsibility of the Contractor. Interim Report Frequency: Upon request of Building Official or per attached schedule. Prepared by: E OF MA Christopher Williams, S.E. (type or print name of the Structural Registered Design Professional in Responsible Charge) HRW~ 6/16/15 Hittessional Seal

Owner's Authorization:

Building Code Official's Acceptance:

\_\_\_\_

Date

Signature

Date

**Project:** Seaside Rehab Room Addition **Date Prepared:** October 30, 2014

## Structural Statement of Special Inspections (Continued)

List of Age	ents					
Project:	SEASIDE REHAB ROOM ADDITION					
Location:	Portland, Maine					
Owner: This Statement	Owner: First Atlantic Corporation This Statement of Special Inspections encompass the following discipline: Structural					
(Note: Stateme	nt of Special Inspections for	other disciplines may be in	cluded under a s	separate cover)		
This Statement	This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:					
Soils and Foundations Cast-in-Place Concrete Precast Concrete System Structural Masonry Systems Structural Steel Wood Construction Special Inspection Agencies Firm Address Telephone e-mail						
Special Inspe	ction Agencies	Firm		Address, Telephone, e-mail		

Special Inspection Agencies	Firm	Address, Telephone, e-mail
STRUCTURAL Special Inspections Coordinator (SSIC)	Becker Structural Engineers, Inc. Christopher Williams, S.E.	75 York Street Portland, Maine 04101 (207) 879-1838 CWilliams@beckerstructural.com
2. Special Inspector (SI 1)	Becker Structural Engineer, Inc Christopher Williams, S.E.	75 York Street Portland, Maine 04101 (207) 879-1838 CWilliams@beckerstructural.com
3. Special Inspector (SI 2)	Becker Structural Engineer, Inc Patrick Horrigan, E.I.	75 York Street Portland, Maine 04101 (207) 879-1838 Patrick@beckerstructural.com
4. Testing Agency (TA 1)	Not Applicable	
5. Testing Agency (TA 2)		
6. Other (O1)		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and <u>not</u> 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.

Project: Seaside Rehab Room Addition Date Prepared: October 30, 2014

### Structural Statement of Special Inspections (Continued)

### Final Report of Special Inspections (SSIC/SI 1)

[To be completed by the Structural Special Inspections Coordinator (SSIC/SI 1). Note that all Agent's Final Reports must be received prior to issuance.]

Project:

SEASIDE REHAB ROOM ADDITION

Location:

Portland, Maine

Owner:

First Atlantic Corporation

Owner's Address:

100 Waterman Drive

South Portland, Maine 04106

Architect of Record:

Mark Burnes

Foreside Architects

(firm)

(name)

Structural Registered Design

Professional in Responsible Charge:

Christopher Williams, S.E.

Becker Structural Engineers, Inc.

(name)

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.

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,

Structural Special Inspection Coordinator

Becker Structural

Licensed Professional Seal

## **Special Inspections - Section B**

Qualifications of Inspectors Schedule of Structural Special Inspections Reports and Certifications



Project: Seaside Rehab Room Addition Date Prepared: October 30, 2014

### Structural Schedule of Special Inspections

### Qualifications of Inspectors and Testing Technicians

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 to the Special NOTE VERIFICATION THAT QUALIFIED INDIVIDUALS ARE AVAILABLE TO Inspector for their records. PERFORM STIPULATED TESTING AND/OR INSPECTION SHOULD BE PROVIDED PRIOR TO SUBMITTING STATEMENT. AGENT QUALIFICATIONS IN SCHEDULE ARE SUGGESTIONS ONLY; FINAL QUALIFICATIONS ARE SUBJECT TO THE DISCRETION OF THE REGISTERED DESIGN PROFESSIONAL PREPARING THE SCHEDULE.

### **Key for Minimum Qualifications of Inspection Agents:**

When the Registered Design Professional in Responsible Charge or Special Inspector of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification, license or experience as indicated below, such requirement shall be listed below and shall be clearly identified within the schedule under the Agent Qualification Designation.

PE/SE PE/GE Structural Engineer - a licensed SE or PE specializing in the design of building structures 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 or inspection

### 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

Non-Destructive Testing Technician - Level II or III.

#### 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

#### Other

## **Special Inspections - Section B**

05120 Structural Steel



**Project:** Seaside Rehab Room Addition **Date Prepared:** October 30, 2014

## **Structural Schedule of Special Inspections**

### STEEL CONSTRUCTION

VERIFICATION AND INSPECTION  IBC Section 1704.3	REQD Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
Material verification of high-strength bolts, nuts and washers:						
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Y	P	Applicable ASTM material standards, AISC 360, A3.3	SII	AWS/AISC-SSI	Jan 2015 – March 2015
b. Manufacturer's certificate of compliance required.	Y	S		SII	PE/SE or EIT	Jan 2015 – March 2015
2. Inspection of high-strength bolting						
a. Snug-tight joints.	Y	p		SII	AWS/AISC-SSI	Jan 2015 – March 2015
<ul> <li>b. Pretensioned and slip-critical joints using turn-of- nut with matchmaking, twist-off bolt or direct tension indicator methods of installation.</li> </ul>	N	Р	AISC LRFD Section M2.5	TAI	AWS/AISC-SSI	Ividion 2013
<ul> <li>c. Pretensioned and slip-critical joints using turn-of- nut without matchmaking or calibrated wrench methods of installation.</li> </ul>	N	С	IBC Sect 1704.3.3	TAI	AWS/AISC-SSI	
3. Material verification of structural steel:						
For structural steel, identification markings to conform to AISC 360.	Y	P	AISC 360, M5.5	SII	PE/SE or EIT	Jan 2015 – March 2015
b. For other steel, identification markings to conform to ASTM standards specified in the approved construction documents.	Y	Р	Applicable ASTM material standards	S11	PE/SE or EIT	Jan 2015 – March 2015
c. Manufacturer's certified test reports.	Y	S		SII	PE/SE or EIT	Jan 2015 – March 2015
4. Material verification of weld filler materials:						
<ul> <li>a. Identification markings to conform to AWS specification in the approved construction documents.</li> </ul>	N	P	AISC 360, M5.5	TAI	AWS/AISC-SSI	
<ul> <li>b. Manufacturer's certificate of compliance required.</li> </ul>	Y	S		SII	PE/SE or EIT	Jan 2015 – March 2015
5. Submit current AWS D1.1 welder certificate for all field welders who will be welding on this project.	Y	S	AWS D1.1	SH	PE/SE or EIT	See Note 1
6. Inspection of welding (IBC 1704.3.1): a. Structural steel: :						
1) Complete & partial joint penetration groove welds.	N	С		TAI	AWS-CWI	
2) Multipass fillet welds.	N	С		TA1	AWS-CWI	
3) Single-pass fillet welds> 5/16"	N	c	AWS D1.1	TAI	AWS-CWI	
4) Plug and slot welds	N	С	1 1110 51.1	TAI	AWS-CWI	
5) Single-pass fillet welds≤ 5/16"	Y	P	-	SII	AWS-CWI	See Note 1
6) Floor and deck welds.	N	P	AWS D1.3	TA1	AWS-CWI	See Note 1
7. Inspection of steel frame joint details for compliance (IBC Sect 1704.3.2) with approved construction documents:			AW3 DI 3		AW3-CW1	
a. Details such as bracing and stiffening.	Y	P		SII	PE/SE or EIT	Jan 2015 – March 2015
b. Member locations.	Y	P	IBC 1704.3.2	SII	PE/SE or EIT	Jan 2015 – March 2015
c. Application of joint details at each connection.	Y	P		SII	PE/SE or EIT	Jan 2015 – March 2015
8. Inspection of steel decking, including type, gauge, depth, width, laps, welds, sidelaps and placement for compliance with approved construction documents.	N	P	IBC 1704.3.2	TAI	PE/SE or EIT	141011 2013
Testing and Inspection of shear stud connectors for compliance with construction documents. Verify size, number and spacing of shear connectors for compliance with approved construction documents.	N	P	Spec. 051200	TAI	PE/SE or EIT	

**Project:** Seaside Rehab Room Addition **Date Prepared:** October 30, 2014

### FABRICATION AND IMPLEMENTATION PROCEDURES – STRUCTURAL STEEL

VERIFICATION AND INSPECTION  IBC Section 1704.2	REQD Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE		AGENT	AGENT QUALIFICATION	TASK COMPLETED
Fabrications Procedures: Review of fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved special inspection agency. At the completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents.  -OR-  2. AISC Certification	Y	S	Fabricator shall submit one of the two qualifications		PE/SE or EIT	Jan 2015 – May 2015
3. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents.	Y	S	IBC 1704.2.2	SII	PE/SE or EIT	May 2015

Note 1: Field inspection not required due to minimal amount of structural field welding.



OBSERVATION REPORT
Structural Steel

Date:	01/30/15
Time:	10:00 A.M.
Temp:	20
Weather:	Snow

Project:	Seaside Rehab Room Add'n
Location:	Portland, ME
Becker Job No:	3286

#### **Observation Location:**

The structural steel for the roof framing of the rehab room addition was observed. The existing structure that supported the previous aquarium tank that is to be replaced was also observed.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Bolt Condition	$\boxtimes$				
Weld Condition	$\boxtimes$				
Anchor Bolts, Nuts, & Washers					
Grout/Leveling Plates	$\boxtimes$				
Fit Up/Plumbness	$\boxtimes$				
Metal Deck Welds				$\boxtimes$	
Pour Stops				$\boxtimes$	
Bracing				$\boxtimes$	
Additional Items			$\boxtimes$		Aquarium support structure (see below)

#### Notes:

The structural steel was mostly complete at the time of our visit. There were some fit-up issues with the ridge beam to existing roof beam connection. The connection plate that had been fabricated did not match the bolt layout of the existing connection. So, it was decided that a new plate would be ordered and this connection would be finished at a later date.

The existing steel conditions for the aquarium support structure were also looked at. There were three existing W8 beams observed that supported the original tank. It was determined that one of the existing beams can be used to support the new tank. Associated detailing for the existing beam that will be utilized will follow this report.

Signed: Patrick Horrigan, E.I.



OBSERVATION REPORT	
Light Gauge Metal Framing	

,	Date:	03/11/15
	Time:	10:00 A.M.
	Temp:	45
	Weather:	Sunny

Project:	Seaside Rehab Room Addition
Location:	Portland, ME
Becker Job No:	3286

Observation Location: The light gauge metal framing at the rehab room addition was observed.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Spacing	$\boxtimes$				
Condition	$\boxtimes$				
Anchorage	$\boxtimes$				
Temp Bracing	$\boxtimes$				
Perm Bracing					See Below
Sheathing Attachment	$\boxtimes$				
Size of Members	$\boxtimes$				
Additional Items					
Additional Items					

#### Notes:

The light gauge metal framing was mostly complete at the time of inspection. The bracing for the existing beam shown in section 2 on S1 was not done, and the blocking between rafters at the outriggers was in progress. The rafter-ridge beam connection was observed to be different than what is shown in sections 1 and 2 on S1. After review, it was determined that the observed connection is adequate, but it is recommended that blocking be added between two bays of rafters (at third points along the ridge beam).

Signed: Patrick Horrigan, E.I.



OBSERVATION REPORT
Structural Steel

Date:	03/11/15
Time:	10:00 A.M.
Temp:	45
Weather:	Sunny

Project:	Seasi	de R	ehab	Room	Additio	
Location:	Portla	and, N	ΛE			
Becker Job No:	3286					
Observation Loca The structural stee		aquar	ium ta	ank wa	s obser	
		Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Bolt Condition Weld Condition Anchor Bolts, Nuts & Washers						
Grout/Leveling Pla Fit Up/Plumbness Metal Deck Welds						
Pour Stops			H			*

#### Notes:

Additional Items

The structural steel had been installed and was acceptable, but the wood infill framing did not match what was shown on SKS1/SKS2. The infill joists were framed differently than what the drawings show, which causes an inadequate connection between the existing steel beam and the infill joists. The new infill joists were attached to a ledger, which in turn was nailed to the top plate of the existing beam (see photo #1). The framing should have been installed in the opposite direction so that it framed into web blocking in the new beams. The current configuration of the ledger at the existing beam is not adequate. To prevent the installed framing from having to be removed entirely, blocking should be installed from the top of the grade beam tight to the bottom of the infill joists. Also, the ledger that supports these infill joists should be fastened to the existing beam top plate with a minimum of #8 wood screws @ 3"O.C. Please see SKS5 for more information.

Infill Joists (See Below)

Signed: Patrick Horrigan, E.I.

 $\boxtimes$ 





Photo # 1 -Infill joists running the wrong direction and ledger inadequately fastened to existing beam.



### ACTUAL CHEMISTRY

Date: 4/29/2015

Product Number: \$6-035X44

Description: ER70S-6.035 x 44# Spool LW Maine Oxy Brand

Batch/Heat #: WB13094445

Specification: AWS A5.18/ASME SFA 5.18 ER70S-6

Country of Origin: China

### Chemical Composition

Carbon (C)	0.0600	Nickel (Ni)	0.0090
Chromium (Cr)	0.0230	Phosphorus (P)	0.0140
Copper (Cu)	0.0080	Silicon (Si)	0.8900
Manganese (Mn)	1.4800	Sulfur (S)	0.0080

Weldcote Metals certifies that the above chemical test results are correct and conforms to the AWS/ASME specifications stated as contained in the records of the company. This document represents the actual attributes of the product.



ISO 9001, ISO/TS16949 ISO / IEC 17025 ISO 14001

FASTENER TEST REPORT

(THIS DOCUMENT MAY ONLY BE REPRODUCED IN ITS ENTIRETY, WITH PRIOR WRITTEN APPROVAL BY THE INFASCO LABORATORY) IS ACCREDITED BY THE CCN FOR THE TESTS LISTED AT WWW.CCN.CA)

COMPLIES WITH EN 10204; 2004 INSPECTION GERTIFICATE 3,1

DATE: 2014-12-11

SET NO.: 2014-14509

DESCRIPTION

C A325-1+A563-C NA UNC N

3/4-10 x 2 1/4

BOLT

A325-1 STRUCTURAL BOLT UNC N P

LOT NO. MANUFACTURED BY  1410-60870  INFASCO  MEAN VALUE		HARDNESS (ROC HRC 25.0 - HI		PROOF LOAD (LBS) MIN: 28,400	TENSILE STRENGTH (LBS) MIN: 40,100			
		north and the Milliant Windows and the second and t	28.8		PASS	47.233		
HEAT NO.	c%	Mn %	P%	3%	হাপ			
A17625	0.36	0.92	0.008	0.015	0.18	з		

HVX HEX NOT A563-C FNA UNC N P

NUT

MARKING : TRIANGLE & 3 CIRCOMFERENTIAL LINES

LOT NO. 1406-56134	infas	MANUFACTURE!	Ya C		HARDNESS (ROCKWELL) PROOF LOAD (L89)  HRBW 78,0 - HRC 38.0 Min: 48,100			
MEAN VALUE HEAT NO. C % Mn % P %		89.6 PASS						
HEAT NO.	· · · · · · · · · · · · · · · · · · ·	Mn %	P%	5%	37%	Cu %	NI%	
C110217	0.46	0,81	0.005	0.017	0.23	0.05	0.03	

HEAT	CHEMICAL	analysis	PROVIDED	BY	STEEL	SUPPLIER.		

INFASCO

A division of literagroups LP A Heloo Company Réjean Sévigny, eng. ISO Coordinator

Revision date of test report: 2014-12-11

## FASTWELL INDUSTRY CO., LTD.

HEAD OFFICE :6TH FLOOR,NO.227.SEC. 1. FU-SHENG S.RD., TAIPED, TAIPEDI, TAIP SHANGHAI OFFICE:SUITE A, I IF, HAILI BUIL DING ,NO.88 DAPU ROAD. SHANGHAI CHINA ZIP CODE :200023

### CERTIFICATE OF INSPECTION

REPORT NO .: .

20110701001

HEAT NO .:

60510B1745

INSPEC. DATE:

2011.07.01

LOT. NO.:

190440802

CUSTOMBR:

**INPASCO** 

MATERIALS:

45# 218408

INVOICE NO .:

201107019

P.O.NO.:

DESCRIPTION:

HARDENED STEEL ROUND WASHER ASTM P436

PART NO:

WKK00-48000001V

SIZE:

3/4" PLAIN

LOT QUANTITY:

80.000MPCS

IMMATERIAL.

CERMICAL (	COMPOSITION				
SPECIFICATION	STANDARD	RESULTS	PHYSICAL CHAI	RACTERISTIC	
Carbon	0.35 min.	0.440			
Manganeso		0,670	YIELD LOAD(Mpa)	1	
Phosphorus	0.04 max.	0.017			
Sulfur	0.05 max.	. 0.018			
Siljcon	0.15 min.	0.210	TENSILE STRENGTH (Mpa)	1	
Chromium		0.060			
Nickel		0.030			
Copper		0.120	ELONGATION(%)	1	
Plumb					
<b>Vanadium</b>					
Aluminum			REDUCTION(%)	/	

<sup>\*</sup> ABOVE DATA COME FROM ORIGINAL TESTING RESULT.

#### **20DIMENSIONS**

test item	SPECIFICATION	INSPECTION RESULTS	SAMPLING	AC	RE
APPEARANCE	ASTM F812	ОК	100PCS	100	0
inside diameters	0.812 - 0.843	0.822 - 0.83)	8PCS	8	0
OUTSIDE DIAMETERS	1.437 - 1.500	1.451 - 1.465	8PCS	8	0
THICKNESS	0.122 - 0.177	0.131 - 0.145	8PCS	. A	0
HARDNESS(HRC)	38 - 45	OK	8PCS	8	0
					-

* Above data is according remark: 1, material used 1	HTO ACTUAL TEST. TO MANUFACTURE THESE PRODUCTS IS ASBES	TOS MERCURY A	ND RADIOACTIVITY FREE
QC. MANAGER	MIL	DATE	2011.07.01

15514

Atlas Tube Ceneda ULC 200 Clark St. Harrow, Onterio, Canada NOR 160 Tel: 519-738-3541

519-738-3541 519-738-3537

Ref.B/L: Date: Customer:

80629486 10.10.2014 7392

### MATERIAL TEST REPORT

Sold to

Presby Steel LLC 143 East Milan Road BERLIN NH 03570 USA

Shipped to

Presby Steel LLC 143 East Milan Road BERLIN NH 03570 USA

Meterial: 3.0x	3.0×250	×48'0"0(6	3×2).		M	pterial N	o: 3003(	250480	ю			Made in Mehed	_		
Sales order:	948382	ı			PL	rohase (	Order: 86	511	•						
Heat No	·c	Mn	P	S	Si	Ai	Cu	СЬ	Mo	Ni	Cr	V	П	8	N
773740	0,200	0.840	0.014	0.008	0.013	0.035	0.044	0.008	0.005	0.018	0.049	0.002	0.002	0.000	0.004
Bundle No	PCs	Yisid	Te	ollan	Ein.	2in			Cer	tification			C	E: 0.3	5
M101392936	12	074780	Pal 08	2710 Psi	23.3	%		-	AS	TM A600	-13 GRA	DE B&C			
Material Note: Salex Or.Note	<b>:</b>							p							
Material: 4.0x	4.0x25	0x24'0*0(	5x4).		M	aterial N	o: 4004	0250240	00			Made in Metrod			
Salas order:	948382	<b>!</b>			Po	irchose (	Order: 8	611							
Heat No	Ç	. Min	P	s	81	Al	Çu	Cb	Mo	NI	Gr	V	<b>T</b> 1	В	N
771767	0.200	0.780	0.013	800.0	0.015	0.041	0.023	0.004	0.003	0.010	0.045	0.002	0,002	0.000	0.004
Bundle No	PCs	Yield	Te	กรมีอ	Eln.	2in			Çe	rtification			C	E: 0.3	5
M101390143	20	067150	Psi 07	6150 Pai	30.0	%		_	AS	TM A500	)-13 GR/	DE B&C	•		
Material Note Sales Or.Note	•			_											
Material: 4.0:	4.0x25	0x48'0"0(	6x2}.		N	sterial N	ia: 4004	025048	00			Made i Melted			
Sales order:	94838	2			P	urchase	Order; 8	<b>1611</b>							
Heat No	c	Mn	P	\$	81	Ai	Çu	Сь	Мо	Ni	Cr	٧	Ti	В	N
818866	0.190	0.800	0.003	0,007	0.012	0.042	0.042	0,005	0.003	0.014	0.037	0.002	0.002	0.000	0.003
Bundle No	PCs	Yisid	Т	mslia	Ein.	.2in		_	Ce	rtification		,	(	E: 0.3	4
M101390219	10	068220	Pal O	0070 Ps	31.5	%			A	TM A50	0-13 GR	ADE B&C	;		
Material Note Sales Or Note	);														

Havin Mayin

Marvin Phillips

The results reported on this report represent the actual attributes of the material furnished and indicate full compliance with all applicable specification and contract requirements.

CE calculated using the AWS D1.1 method. Authorized by Quality Assurance:



Page : 1 Of 3



Atlas Tube Conads ULC 200 Clark St. Harrow, Ontario, Canada NOR 1GO

519-738-3541 Tel: 519-738-3537 Fax:

STube 5314

MATERIAL TEST REPORT

Sold to

Presby Steel LLC 143 East Milan Road BERLIN NH 03570 USA

Shipped to

Presby Steel LLC 143 East Milan F BERLIN NH 035 Milan Road H 03570

Meterial: 3.0x3.0x250x24'0"0(6x5).-D

G

Material No: 0300302502400-D

Cu

Made in: USA Meltod In: USA

٧

Sales order: 926235

Purchase Order: 008459

ΑI

Ti

Heat No E83528

0.180 0.800 0.013 PC5

Mo

062633 Pai

0.018 0.042

51

Cb Mo 0.020 0.001 0.005

Çr 0.010 0.020 0.001 Certification

0.001 0.000 0.006 CE: 0.32

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Authorized by Quality Assurance:
The results reported on this report represent the actual attributes of the material furnished and indicate full compliance with all applicable specification and contract requirements.

Page : 4 Of

Metals Service Center Institute

08/20/2014 WED 13:59 FAX 412 771 9640 Triad Metals - Neville

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The above figures are certified oberdical and physical lest records as contained in the permanent records of company. This material, including the billets, was melted and manufactured in the USA. CMTR complies with EN 10204 3.1.

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## **Special Inspections - Section C**

Quality Assurance for Wind Resistance Checklist



**Project:** Seaside Rehab Room Addition **Date Prepared:** October 30, 2014

## WIND RESISTANCE CHECK LIST [IBC 1705.4]

Wind Exposure Category B

REQUIRED	NOT REQUIRED	NOT APPLICABLE	WIND RESISTANCE REQUIREMENTS
		$\boxtimes$	In wind exposure Category B, where the 3-second-gust basic wind speed is 120 miles per hour (mph) (52.8 <i>m/sec</i> ) or greater.
		$\boxtimes$	In wind exposure Categories C and D, where the 3-second-gust basic wind speed is 110 mph (49 <i>m/sec</i> ) or greater.

## **Special Inspections - Section D**

Statements of Responsibility



## Fabricator's Certificate of Compliance - Exhibit D

Each approved fabricator that is exempt from Special Inspection of shop fabrication and implementation procedures per section 1704.2 of the International Building Code must submit a Fabricator's Certificate of Compliance at the completion of fabrication.

Project: Seaside Rehabilitation & Healthcare Center

Fabricator's Name: LIMC LIGHT IROW, INC

Address: 151 RANGE E ROAD LIMCRICK ME

Certification or Approval Agency: AWS

Certification Number: ///A

Date of Last Audit or Approval: SEE AMACHEP GUIDES LINE

Description of structural members and assemblies that have been fabricated:

Roof Framing Members at Rehabilitation Room Addition Floor Framing Members at Aquarium Support

I hereby certify that items described above were fabricated in strict accordance with the approved construction documents.

Signature

Date

Title

Attach copies of fabricator's certification or building code evaluation service report and fabricator's quality control manual

## LMC Light Iron, Inc.

151 E. Range Road

P.O. Box 521

Limerick, Maine 04048

Telephone (207) 793-9957

Fax: (207) 793-3919

May 6, 2015

Becker Engineering 75 York Street Portland, ME 04101

Re: Seaside Lobby/Rehab Renovations - Portland, ME

#### Gentlemen:

Even though LMC Light Iron, Inc., does not participate in the AISC Program, we do incorporate and follow their guidelines for detailing and fabrication, along with our welders being A.W.S. certified per D1.1-2000.

All of our material suppliers provide us with the documents that assure full compliance with the specifications for each job.

Our detailing software is based completely on the AISC Manual of Steel Construction written for Auto-Cadd, which generates all of our shop drawings.

Shop drawings used on the shop floor also serve as record keeping for each project. Typically a drawing will note the following information:

- Date and initials of the person who did the material layout.
- Date and sign-off from Q.C. indicating layout has been checked.
- Date and initials of fabricator showing component is complete.

If welding is required on a fabrication, the weld size and a visual inspection is also done prior to painting and shipping.

Before shipping, a separate shop list is written up using the shop drawings for reference. This allows final review of notes on fabrication prior to shipping. This second ship list is also used to do a piece count during loading.

If you have any further questions, please do not hesitate to call.

Sincerely,

Star v landla

Stephen D. Hamilton

President

DSH/dh

# **End of Special Inspections Report**

