## PROFESSIONAL SERVICE INDUSTRIES, INC.

## **Steel Inspection Field Report**

6032 N. Cutter Circle, Suite 480. Portland, OR 97217 CCB No. 176269 Phone: (503) 289-1778 Fax: (503) 289-1918

1040-A Shelley Street Springfield, OR 97477 CCB No. 176269 Phone: (541) 746-9649 Fax: (541) 746-7163

CLIENT: North Pacific Crane Co. Engineering									WORK ORDER NO.: 0689661-1						
PROJECT: Crane Model T285TM-36M-12-2012									DATE: May 18, 2012						
General Contractor: North Pacific Crane Co. Subcontractor:											Weather: Sunny				
Location(s)/Item(s): Carson												☑ New Inspection			
Location(s)/tien(s). Carson											<del>-</del> '				
											Re-Inspection				
Type(s) of Observations/Testing Performed & General Checklist											☐ (Verified)				
☐ Special In	☐ Special Inspection ☐ AWSQC1/ASNT VT ☐ At Completion ☐ In Progress ☐ Post-Completion*												her		
Structural Welding  ☑ Shop ☐ Field			Structural Bolting  □Pretension □Shear Brg			Steel Erection  Shop Field		d	Post-Installed Anchors  Chemical Mechanic						
Weld Process		Bolts Specified		Ť	Joint Details			ICBO Report No:		Joist Girder Seat Connections					
Electrode	$\boxtimes$		Turn-of-Nut			Erection Dwgs			Anchor Type			Joist Seat Connections			
Weld Profiles(s)	$\boxtimes$		Cal. Wrench			Inspection Rpts			Adhesive Type			Horiz. Bridging Connections			
Welder Cert(s)	$\boxtimes$		Tension Control			Mark No.s			Hole Diameter			X-Bridging Connections			
Weld Prcdr(s)	$\boxtimes$		Snug Tight			Anchor Bolts			Embed Depth			Wind Brace Connections			
Mill Cert(s)	$\boxtimes$		Hand Washers			Columns			Manuf. Instruct's			Bottom Girder Braces			
Prep & Fit-Up			Tighten Sequence			Beams			Clean & Dry			RTU Joist Reinforcement			
Preheat Temp			Faying Surfaces			Metal Deck/Stud	ls 🗌		Adequate Adhes.			IC = IN Compliance			
UT MT	□ RT □	] PT	Skidmore Tests			X-Bracing			Torqued/Tight						
	Box	Definit			• •			•	below). *Describe Limitat			• '			
Detailed Observations, Materials, Workmanship & Procedure Descriptions															
Referenced Details/Drawings:  Did visual weld inspection on T285TM-36M-12-2012 Boom Crane part main #1, 12 pinholes and 2 porosity areas. #1 has porosity inside and out. Tele #2,															
10 pinholes and undercut was 80% of length. Undersize ¼" fillet welds. #2 has porosity inside with undercut on outside, and inside has undersize 1/4" fillet welds. Tele #3, 5 pinholes and 2 porosity spots. Undersized ¼" fillet welds on inside welds. Did 15% mag on all three and found no cracks.															
Weld should be slagged when done to check for any weld defects.															
Using a 5/16" fillet welds will give you equal strength in lbs. to the base metal.															
50 Ton main & tele that was painted yellow ¼" weld were to AWS D1.1.															
Non-Conformance # :															
Parties Notified: General Contractor Subcontractor Architect Engineer Owner Other: Standby Time:															
To the best of my knowledge, the work inspected above was in accordance with the building department approved design drawings, specifications and applicable workmanship provisions of the International Building Code: Except as Noted Not Applicable Unapproved Drawings/Plans/Materials															
□ NCR Issued □ Non-Compliance □ Requires Engineers Acceptance (RFI) □ Reinspection Required															
Remarks:															
All tack weld on base plate should be ground off and filled in with weld and ground flush. The #1-3 Booms are non-conformance to AWS D1.1.															
Inspector:	Steve	Mooi	·e				Insp	ecto	r Cert No.: CWI# 9	9612	019	1			

These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc.

Jobsite Representative: