

FABRICATION INSPECTION REPORT

Project: Knudson Cove Harbor	Report No: Mantle - 001
File No : 062010.05	Date: October 22, 2008
Consultant: PND Engineers, Inc.	Day of the Week: Wednesday

WEATHER	Bright Sun	Clear X	Overcast	Rain	Snow	Other
TEMP	Below 0	0-32	32-50	50-70 X	70-85	Over 85
WIND	Still X	Mod	High	Comments: Fabrication shop is sheltered.		
HUMIDITY	Dry	Mod X	Humid	Comments:		

<u>Name of Contractor</u> Mantle Industries, Inc.	<u>Non-Manual</u> 0	<u>Manual</u> 4	<u>Remarks</u>
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CONTACTS

<u>Name</u> John Wasilewski	<u>Title</u> President	<u>Phone No.</u> 360-332-5276	<u>Remarks</u>
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FIELD ACTIVITIES

Arrived at Mantle at 2:00 pm and met with John Wasilewski (JW). Observed the 80' gangway being assembled on the shop floor. The length, width and height of the gangway were measured and checked against the approved shop drawings; no discrepancies noted. The member sizes, member orientation and member location were also spot checked and found in conformance with the shop drawings. The splice joints were observed to be laid out differently than shown in the approved shop drawings. It was noted that the splice joints were staggered from one side to the next. Additionally, the top and bottom chord splices were observed to be offset on the same side by approximately 4'. No exceptions were taken to the layout as standard practice for gangway assembly dictates offsetting splice joints. The splice joints in the shop drawings were not shown to be offset. Conferred with JW who confirmed the error in the shop drawings stating the splice joints should have been detailed as offsetting. The hinge gusset plates were reviewed and determined to be one, uniform piece as specified in the design drawings. The welds were visually spot checked and observed to be in rough form although no indications were noted that revealed poor welds. Burn marks had not been cleaned. JW confirmed the welds were rough and stated the welds would be cleaned up, burn marks removed, prior to issuing the finished product.

Observed the transition ramps under assembly. The UHMW nosing was being mounted with countersunk screws at the time of inspection. According to JW, the skid plates, guide angles, rub strips and other miscellaneous steel is at Emerald Galvanizing.

PHOTOS TAKEN

FABRICATION INSPECTOR Matt Graham DATE October 22, 2008



Photograph No. 1

Description:

80' gangway laid out inside the fabrication shop.



Photograph No. 2

Description:

Typical framing underneath the walkway.



Photograph No. 3

Description:

Gangway end.



Photograph No. 4

Description:

Hinge gusset plate installed as one, uniform piece.



Photograph No. 5

Description:

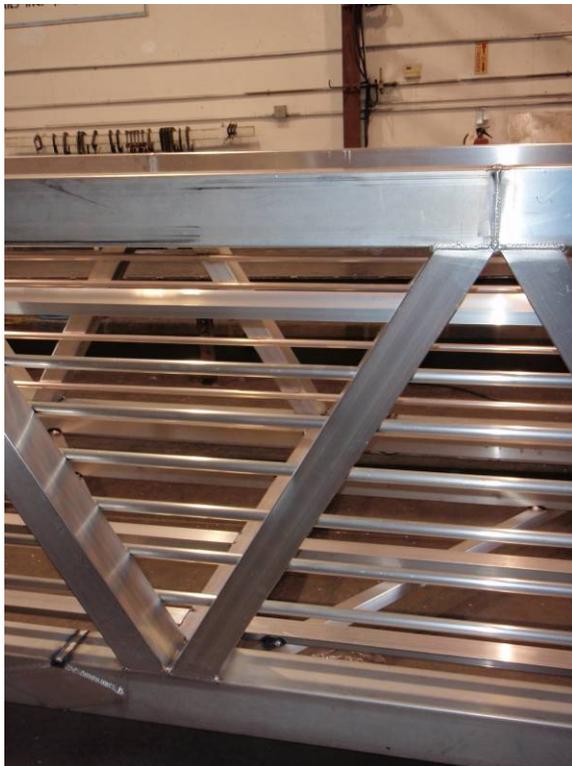
Typical top chord splice.



Photograph No. 6

Description:

Typical bottom chord splice.



Photograph No. 7

Description:

The top and bottom chord splice joints were observed to be offset on the same side and staggered comparatively to the opposite side.



Photograph No. 8

Description:

Fabrication of the transition ramps.



Photograph No. 9

Description:

Attaching the UHMW nosing with countersunk screws.