



C & C MARINE & REPAIR, INC.

PONTOON B

HULL DIMINUTION SURVEY

ABS Special Periodical Survey

PREPARED: APRIL 22, 2021

Prepared By:



DONE RIGHT.

2449 West Park Ave.
Gray, LA 70359

1(985)876-5559 | www.nvindt.com



Certificate Number	21-HOM-4641299-B
Effective Date	23-FEB-2021
Expiry Date	22-FEB-2024
ABS Port Office	Houma
Company's Website	www.nvindt.com/

CERTIFICATE OF Recognized Service Supplier

This is to certify that

NVI, Nondestructive & Visual Inspection, LLC

located at

2449 W Park Ave, Gray, LA 70359

having been audited by ABS and having given a satisfactory practical demonstration of the service listed below, is recognized by ABS as a Service Supplier to provide services which ABS Surveyors may rely on to make decisions affecting classification or statutory surveys.

Hull Gauging

Attached Certificate Appendix provides specific scope of approval, authorized personnel, manufacturer authorizations, and subcontractors.

It is the responsibility of the Service Supplier to employ, train and qualify persons in the service provided. If the service requires approval from manufacturers, the Service Supplier is responsible to maintain contact with the manufacturer and maintain any service manuals up to date. Where required by the category of service, the Service Supplier shall provide valid evidence that it is authorized or licensed by the equipment manufacturer to service the makes and models of equipment for which approval is sought. If approval from the manufacturer is not attained, a surveyor must be present at time of survey to continue work. Alternatively, current written instructions from the flag state are to be obtained to continue work without the surveyor present. Service Suppliers must present photo identification, evidence of qualification and authorizations from manufacturers, as applicable, at the time of service.

The ABS office issuing this certificate is to be kept updated with changes to the management of the company, its employees, equipment and models on the authorization list and any changes made.



Lee Noel, Surveyor



TERMS AND CONDITIONS

The issuance and interpretation of this Certificate of Service Recognition (hereinafter referred to as "certificate") is subject to the following terms and conditions.

1. REPRESENTATIONS AS TO SERVICE RECOGNITION

The Certificate is a representation only that the specified Company has been audited by ABS and has given a satisfactory practical demonstration of the listed services which ABS Surveyors may rely on to make decisions affecting classification or statutory surveys and is issued solely for the use of ABS and its committees. The validity, applicability and interpretation of this certificate are governed by the Rules, Guides, or standards of ABS who shall remain the sole judge thereof.

2. RESPONSIBILITY AND LIABILITY

The Company is not a subcontractor of ABS and is not an agent of ABS for any purpose. The Company remains solely responsible for its equipment, the qualifications and competency of its personnel, the supervision of its personnel, and the safety of its personnel while performing its services. Nothing contained in this certificate or any letter or report issued in contemplation of this certificate shall be deemed to relieve Company or any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied nor to create any interest, right, claim or benefit in any third party. It is understood and agreed that nothing expressed herein is intended or shall be construed to give any person, firm or corporation, other than the parties hereto, any right, remedy or claim hereunder; all provisions hereof are for the sole and exclusive benefit of the parties hereto.

3. LIMITATION

ABS makes no representations beyond those contained herein regarding its reports, letters, audits, certificates or other services.

4. HOLD HARMLESS

The party to whom this certificate is issued, and his assignee and successor in interest, agree to indemnify and hold harmless ABS from and against any and all claims, demands, lawsuits, or actions for damages, including legal fees, to persons and property, tangible, intangible, or otherwise which may be brought against ABS incidental to, arising out of or in connection with the work done, services performed or material to be furnished under this certificate, except for those claims caused solely and completely by the negligence of ABS, its agents, employees, officers, directors or subcontractors.

Company shall defend, indemnify, and hold harmless ABS and its affiliates from and against any and all third party claims and

liabilities (including, without limitation, reasonable attorneys' fees and costs), regardless of the form of action, arising out of or in connection with a claim that the service(s) offered by Company for which Company has sought recognition from ABS, infringes, violates, or misappropriates a valid third party patent, copyright, or other proprietary right, provided that Company is promptly notified in writing of such claim, and ABS has not reached any compromise or settlement in such action or made any admissions in respect of the same.

5. ARBITRATION

Any and all differences and disputes of whatsoever nature arising out of or relating to this certificate shall be put to arbitration in the City of New York pursuant to the laws relating to arbitration there in force, before a board of three persons, consisting of one arbitrator to be appointed by ABS, one by Company, and one by the two so chosen. The decision of any two of the three on any point or points shall be final. Until such time as the arbitrators finally close the hearings either party shall have the right by written notice served on the arbitrators and on an officer of the other party to specify further disputes or difference under this Agreement for hearing and determination. The arbitration is to be conducted in accordance with the rules of the Society of Maritime Arbitrators, Inc. The arbitrators may grant any relief, other than punitive damages which they, or a majority of them, deem just and equitable and within the scope of the agreement of the parties, including, but not limited to, specific performance. Awards made in pursuance to this clause may include costs including a reasonable allowance for attorney's fees and judgment may be entered upon any award made hereunder in any court having jurisdiction. ABS and Company hereby mutually waive any and all claims to punitive damages in any forum. Company shall be required to notify ABS within thirty (30) days of the commencement of any arbitration between it and third parties which may concern ABS' work in connection with this certificate and shall afford ABS an opportunity, at ABS' sole option, to participate in the arbitration.

6. TIME BAR TO LEGAL ACTION

Any statutes of limitation notwithstanding, Company expressly agrees for itself and its affiliated companies that its right to bring or to assert against ABS any and all claims, demands or proceedings whether in arbitration or otherwise shall be waived unless (a) notice is received by ABS within thirty (30) days after Company or its affiliates had notice of or should reasonably have been expected to have had notice of the basis for such claims; and (b) arbitration or legal proceedings, if any, based on such claims or

demands of whatever nature are commenced within one year of the date of such notice to ABS.

7. LIMITATION OF LIABILITY

The combined liability of American Bureau of Shipping, its officers, employees, agents or subcontractors for any loss, claim, or damage arising from negligent performance or non-performance of any services under this Agreement, or from breach of any implied or express warranty of workmanlike performance in connection with the services, or from any other reason, to any person, corporation, partnership, business entity, sovereign, country or nation, shall be limited to the greater of a) \$100,000 or b) an amount equal to ten times the sum actually paid for the services alleged to be deficient. The limitation of liability may be increased up to an amount twenty-five times that sum paid for services upon receipt of Company's written request at or before the time of performance of service and upon payment by Company of an additional fee of \$10 for every \$1,000.00 increase in the limitation.

8. ETHICS AND COMPLIANCE

Falsification of this certificate, including any alterations by an entity other than ABS, may result in actions against the culpable entity up to and including legal proceedings for the misrepresentation of this document. Measures may include but are not limited to the immediate and indefinite suspension of the certificate in question, delisting of the entity from ABS online certification database, and immediate restriction of use of the authorized ABS service logos. Upon investigation by ABS, ABS reserves the right to permanently disqualify the implicated entity or its Principals from holding any service certifications from ABS.

This certificate is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.



APPENDIX TO ABS SERVICE SUPPLIER CERTIFICATION NO. 21-HOM-4641299-B

Scope of Approval, Limitations or Restrictions

Hull Gauging (non ESP Vessels)

Satellite Office Located: 200 West Cleveland Boulevard, Aransas Pass, TX 78336

Authorized Personnel

List of authorized personnel is maintained by External Specialist

Quality Manager

Jason Good

Manufacturer's Authorizations

N/A

Subcontractor and Scope of Subcontracting Work

N/A

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau. This certificate is a representation only that the Company has been assessed in accordance with ABS procedures and found capable of providing the listed service as limited by the associated recognition letter. This certificate is governed by the Terms and Conditions on the above page hereof and by the Rules, Guides or Standards of the American Bureau of Shipping, who shall remain the sole judge thereof.

PONTOON B
Report No.: UT-321-0711

Ship's Name:	<i>PONTOON B</i>
Call Sign:	<i>N/A</i>
Ship's Registry:	<i>N/A</i>
Type of Vessel:	<i>N/A</i>
Hull Number:	<i>N/A</i>
IMO Number:	<i>N/A</i>
Official Number:	<i>N/A</i>
Classification Society:	<i>ABS A-1</i>
Dimensions:	<i>Length: * Breadth: * Depth: *</i>
Gross Tonnage:	<i>N/A</i>
Net Tonnage:	<i>N/A</i>
Date Built:	<i>N/A</i>
Place Built:	<i>Unknown</i>

ABS Certification

Hull Gauging Firm Certified By:	<i>ABS</i>
Certificate No.:	<i>21-HOM-4641299-B</i>
Certificate Date:	<i>23rd of February 2021 thru 22nd of February 2024</i>

Survey Information

Special Survey No.:	<i>N/A</i>
Date of First Measurement:	<i>22ND OF APRIL 2021</i>
Date of Last Measurement:	<i>22ND OF APRIL 2021</i>

Ultrasonic Thickness Equipment

Equipment Manufacturer:	<i>Olympus</i>
Model:	<i>DL-38 Plus</i>
Serial No.:	<i>161345808</i>
Date of Calibration:	<i>1/13/2021</i>
Probe Manufacturer:	<i>Olympus</i>
Model:	<i>D791-RM</i>
Type:	
Serial No.:	<i>1060722</i>
Calibration Block:	<i>A1018 Steel</i>
Type:	<i>5-Step Wedge (1/2")</i>
Serial No.:	<i>131224-30</i>
Couplant:	<i>Sonotrace</i>

Report No:	<i>UT-321-0711</i>	Consisting of:	<i>37</i>	Sheets
Operator:	<i>Jonathan Rosales, NVI LVL II</i>	Surveyor:		
Signature:	 	Signature:		

Thickness Unit Calibration Certification**Manufacturer :** Olympus**ID :** 000236**Model :****Serial Number :** 161345808**Calibration Date :** 01/13/2021**Due Date :** 01/13/2022

Reference Thickness (in.)	Allowed	Observed Thickness (in.)
0.100	0.100	0.095 to 0.105
0.200	.200	0.195 to 0.205
0.250	.250	0.245 to 0.255
0.300	.300	0.295 to 0.305
0.400	.400	0.395 to 0.405
0.500	.500	0.495 to 0.505
0.750	.750	0.745 to 0.755
1.00	1.000	0.995 to 1.005

Reference Sample Serial Number: 4 Step Carbon Steel Wedge: 131224-30

5 Step Carbon Steel Wedge: 120733

Comments :**Calibrated By :** Jaylen Larrabee

NVI, LLC CERTIFIES THAT THE ABOVE INSTRUMENT HAS BEEN CALIBRATED BY STANDARDS TRACEABLE TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST). THIS UNIT MEETS OR EXCEEDS THE MANUFACTURERS SPECIFICATIONS AND IS CALIBRATED AS PER NVI, LLC CALIBRATION PROCEDURES.

nvindt.com

Office 985.876.5559

Toll Free 877-NDT-NVI1

Fax 985.876.9355

CORPORATE OFFICE

2449 W. Park Ave

P.O. Box 1590

Greenville, LA 70359

Aransas Pass, TX • Carthage, TX • Houston, TX

Odessa, TX • Lafayette, LA • New Iberia, LA

Sulphur, LA • Theodore, AL • Northglenn, CO Depew, NY •

Pittsburgh, PA

ISO

LWCC
SAFETY 70



KEIYU NDT SUPPLY COMPANY

1F., No.409, Sec. 6, Zhongxiao E. Rd., Nangang Dist., Taipei City 115, Taiwan (R.O.C.)

TEL: 886-2-26534530, 26546891 FAX: 886-2-26547597

E-Mail : sale@keiyu-ndt.com.tw Website: www.keiyu-ndt.com.tw

DATE: 2018/10/02

Maker Certification

THIS IS TO CERTIFY THAT THE **4 Step Test Block** SUPPLIED TO **WHOM IT MAY CONCERN** WERE INSPECTED AND QUALIFIED BY **KEIYU NDT Supply QUALITY DEPT..** THOSE ITEMS WERE INSPECTED WITH THE INSTRUMENTS CALIBRATED BY SGS LTD.. THE STANDARDS USED TO PERFORM THIS CALIBRATION ARE TRACEABLE TO NML/ROC AND NIST/USA. THE CALIBRATION SYSTEM AND RECORDS ARE IN COMPLIANCE WITH ISO/IEC GUIDE 25.

Purchase Order No.	Block Material	Type Of Block	S/N
4221BB	A1018 steel	4 step block	141024-58

Step Thickness inch	Actual Thickness inch	Tolerance inch	Remark
0.250	0.251	+0.001	
0.500	0.500	0	
0.750	0.751	+0.001	
1.000	1.001	+0.001	

James

Quality Control Inspector

TABLE OF CONTENTS
C C MARINE AND REPAIR, INC.
PONTOON B

PAGE NO. AND FILE	DESCRIPTION	SHOT COUNT	AREA OF INTEREST
PAGE 01	SIDE SHELL PLATING, WIND AND WATER	57	YES
PAGE 01-1	SIDE SHELL PLATING, WIND AND WATER	51	YES
PAGE 02	DECK PLATING, MAIN DECK	128	
PAGE 02-1	DECK PLATING, MAIN DECK	38	
PAGE 03	BOTTOM PLATING, HULL	128	
PAGE 03-1	BOTTOM PLATING, HULL	59	YES
PAGE 04	TRANSOM PLATING, IWO AFT EPAK	30	YES
PAGE 05	W.T. T/V BHD PLATING, FRAME NO. 1, IWO VOID TANK NO. 1 CENTER	20	
PAGE 06	W.T. T/V BHD PLATING, FRAME NO. 19, IWO VOID TANK NO. 8 CENTER	20	
PAGE 07	W.T. T/V BHD PLATING, FRAME NO. 3, IWO WATER BALLAST TANK NO. 2	20	
PAGE 08	W.T. T/V BHD PLATING, FRAME NO. 8, IWO WATER BALLAST TANK NO. 4	20	
PAGE 09	W.T. T/V BULKHEAD PLATING, FRAME NO. 10, IWO VOID TANK NO. 5	20	
PAGE 10	W.T. T/V BULKHEAD PLATING, FRAME NO. 13, IWO VOID TANK NO. 5	20	
PAGE 11	W.T. T/V BHD PLATING, FRAME NO. 17, IWO WATER BALLAST TANK NO. 7	20	
PAGE 12	W.T. CL BHD PLATING, IWO WATER BALLAST TANK NO.'S 2, 4, AND 7	24	
PAGE 13	W.T. LONG BULKHEAD PLATING, IWO VOID TANK NO. 3	10	
PAGE 14	W.T. CL BULKHEAD PLATING, IWO VOID TANK NO. 5	6	
PAGE 15	W.T. CL BULKHEAD PLATING, IWO VOID TANK NO. 6	6	
	TOTAL SHOT COUNT	677	



C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

DATE OF SURVEY: **04/22/21**

PAGE 1 OF 2

VESSEL NAME: **PONTOON B**

VESSEL DETAILS: *

STRUCTURAL MEMBER: SIDE SHELL PLATING

LOCATION OF STRUCTURE: WIND AND WATER

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%		IN	IN	%	PORT	STBD	IN	%	IN	%
SIDE SHELL PLATE	1	0.375	0.094	25%		0.368			0.007	1.9	S/S PLATE CONT	33	0.375	0.094	25%		0.382			
	2	0.375	0.094	25%		0.371			0.004	1.1	PIT	34	0.375	0.094	25%		0.290		0.085	22.7
	3	0.375	0.094	25%		0.362			0.013	3.5		35	0.375	0.094	25%		0.374		0.001	0.3
PIT	4	0.375	0.094	25%		0.280			0.095	25.3		36	0.375	0.094	25%		0.382			
	5	0.375	0.094	25%		0.381					PIT	37	0.375	0.094	25%		0.280		0.095	25.3
	6	0.375	0.094	25%		0.376						38	0.375	0.094	25%		0.370		0.005	1.3
PIT	7	0.375	0.094	25%		0.245			0.130	34.7		39	0.375	0.094	25%		0.369		0.006	1.6
	8	0.375	0.094	25%		0.380					PIT	40	0.375	0.094	25%		0.265		0.110	29.3
	9	0.375	0.094	25%		0.376						41	0.375	0.094	25%		0.374		0.001	0.3
PIT	10	0.375	0.094	25%		0.260			0.115	30.7		42	0.375	0.094	25%		0.371		0.004	1.1
PIT	11	0.375	0.094	25%		0.255			0.120	32.0	PIT	43	0.375	0.094	25%		0.270		0.105	28.0
	12	0.375	0.094	25%		0.380						44	0.375	0.094	25%		0.380			
PIT	13	0.375	0.094	25%		0.260			0.115	30.7		45	0.375	0.094	25%		0.372		0.003	0.8
	14	0.375	0.094	25%		0.375			0.000	0.0	PIT	46	0.375	0.094	25%		0.270		0.105	28.0
	15	0.375	0.094	25%		0.381						47	0.375	0.094	25%		0.381			
PIT	16	0.375	0.094	25%		0.300			0.075	20.0		48	0.375	0.094	25%		0.378			
	17	0.375	0.094	25%		0.377					PIT	49	0.375	0.094	25%		0.260		0.115	30.7
	18	0.375	0.094	25%		0.380						50	0.375	0.094	25%		0.369		0.006	1.6
PIT	19	0.375	0.094	25%		0.280			0.095	25.3		51	0.375	0.094	25%		0.380			
PIT	20	0.375	0.094	25%		0.255			0.120	32.0	PIT	52	0.375	0.094	25%		0.255		0.120	32.0
	21	0.375	0.094	25%		0.382					PIT	53	0.375	0.094	25%		0.260		0.115	30.7
	22	0.375	0.094	25%		0.377					PIT	54	0.375	0.094	25%		0.265		0.110	29.3
	23	0.375	0.094	25%		0.384					PIT	55	0.375	0.094	25%		0.260		0.115	30.7
	24	0.375	0.094	25%		0.376					PIT	56	0.375	0.094	25%		0.250		0.125	33.3
PIT	25	0.375	0.094	25%		0.275			0.100	26.7	PIT	57	0.375	0.094	25%		0.245		0.130	34.7
	26	0.375	0.094	25%		0.380					HOLE	58	0.375	0.094	25%		0.000		0.375	100.0
	27	0.375	0.094	25%		0.365			0.010	2.7										
	28	0.375	0.094	25%		0.380														
	29	0.375	0.094	25%		0.376														
	30	0.375	0.094	25%		0.380														
PIT	31	0.375	0.094	25%		0.265			0.110	29.3										
	32	0.375	0.094	25%		0.377														

TECHNICIAN **JONATHAN ROSALES, NVI LVL II**

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: **58**OPERATOR'S SIGNATURE *J.R. Rosales*

ABS SURVEYOR'S SIGNATURE _____



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 2 OF 2

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: SIDE SHELL PLATING

LOCATION OF STRUCTURE: WIND AND WATER

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		
		IN	IN	%	PORT	STBD	IN	%	IN	%		IN	IN	%	PORT	STBD	IN	%	IN	%	
SIDE SHELL PLATE	1	0.375	0.094	25%	0.372		0.003	0.8			S/S PLATE CONT	33	0.375	0.094	25%	0.328		0.047	12.5		
	2	0.375	0.094	25%	0.380						PIT	34	0.375	0.094	25%	0.265		0.110	29.3		
	3	0.375	0.094	25%	0.324		0.051	13.6				35	0.375	0.094	25%	0.381					
PIT	4	0.375	0.094	25%	0.300		0.075	20.0				36	0.375	0.094	25%	0.343		0.032	8.5		
	5	0.375	0.094	25%	0.369		0.006	1.6			PIT	37	0.375	0.094	25%	0.270		0.105	28.0		
	6	0.375	0.094	25%	0.324		0.051	13.6				38	0.375	0.094	25%	0.377					
	7	0.375	0.094	25%	0.372		0.003	0.8				39	0.375	0.094	25%	0.322		0.053	14.1		
	8	0.375	0.094	25%	0.381							40	0.375	0.094	25%	0.381					
	9	0.375	0.094	25%	0.330		0.045	12.0				41	0.375	0.094	25%	0.374		0.001	0.3		
PIT	10	0.375	0.094	25%	0.275		0.100	26.7				42	0.375	0.094	25%	0.330		0.045	12.0		
	11	0.375	0.094	25%	0.377						PIT	43	0.375	0.094	25%	0.265		0.110	29.3		
PIT	12	0.375	0.094	25%	0.290		0.085	22.7				44	0.375	0.094	25%	0.377					
	13	0.375	0.094	25%	0.382							45	0.375	0.094	25%	0.372		0.003	0.8		
	14	0.375	0.094	25%	0.376							46	0.375	0.094	25%	0.381					
PIT	15	0.375	0.094	25%	0.285		0.090	24.0			PIT	47	0.375	0.094	25%	0.270		0.105	28.0		
	16	0.375	0.094	25%	0.369		0.006	1.6			PIT	48	0.375	0.094	25%	0.285		0.090	24.0		
	17	0.375	0.094	25%	0.381						PIT	49	0.375	0.094	25%	0.305		0.070	18.7		
	18	0.375	0.094	25%	0.375		0.000	0.0			PIT	50	0.375	0.094	25%	0.300		0.075	20.0		
PIT	19	0.375	0.094	25%	0.260		0.115	30.7			PIT	51	0.375	0.094	25%	0.275		0.100	26.7		
	20	0.375	0.094	25%	0.380																
	21	0.375	0.094	25%	0.374		0.001	0.3													
PIT	22	0.375	0.094	25%	0.270		0.105	28.0													
	23	0.375	0.094	25%	0.380																
PIT	24	0.375	0.094	25%	0.265		0.110	29.3													
	25	0.375	0.094	25%	0.390																
	26	0.375	0.094	25%	0.370		0.005	1.3													
	27	0.375	0.094	25%	0.344		0.031	8.3													
PIT	28	0.375	0.094	25%	0.290		0.085	22.7													
	29	0.375	0.094	25%	0.377																
	30	0.375	0.094	25%	0.309		0.066	17.6													
PIT	31	0.375	0.094	25%	0.300		0.075	20.0													
	32	0.375	0.094	25%	0.380																

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT:

51

OPERATOR'S SIGNATURE J.R. Rosales

ABS SURVEYOR'S SIGNATURE _____



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 2

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: DECK PLATING

LOCATION OF STRUCTURE: MAIN DECK

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		
		IN	IN	%	PORT	STBD	IN	%	IN	%		IN	IN	%	PORT	STBD	IN	%	IN	%	
DECK PLATE	1	0.375	0.094	25%	0.370	0.381	0.005	1.3			DECK PLATE CONT	33	0.375	0.094	25%	0.374	0.372	0.001	0.3	0.003	0.8
	2	0.375	0.094	25%	0.368	0.384	0.007	1.9				34	0.375	0.094	25%	0.372	0.384	0.003	0.8		
	3	0.375	0.094	25%	0.378	0.378					35	0.375	0.094	25%	0.381	0.369			0.006	1.6	
	4	0.375	0.094	25%	0.377	0.374			0.001	0.3	36	0.375	0.094	25%	0.370	0.370	0.005	1.3	0.005	1.3	
	5	0.375	0.094	25%	0.373	0.381	0.002	0.5			37	0.375	0.094	25%	0.373	0.375	0.002	0.5	0.000	0.0	
	6	0.375	0.094	25%	0.384	0.377					38	0.375	0.094	25%	0.369	0.368	0.006	1.6	0.007	1.9	
	7	0.375	0.094	25%	0.382	0.390					39	0.375	0.094	25%	0.374	0.369	0.001	0.3	0.006	1.6	
	8	0.375	0.094	25%	0.376	0.376					40	0.375	0.094	25%	0.381	0.372			0.003	0.8	
	9	0.375	0.094	25%	0.381	0.382					41	0.500	0.125	25%	0.502	0.496			0.004	0.8	
	10	0.375	0.094	25%	0.374	0.379	0.001	0.3			42	0.500	0.125	25%	0.498	0.495	0.002	0.4	0.005	1.0	
	11	0.375	0.094	25%	0.383	0.384					43	0.500	0.125	25%	0.496	0.498	0.004	0.8	0.002	0.4	
	12	0.375	0.094	25%	0.376	0.378					44	0.500	0.125	25%	0.485	0.492	0.015	3.0	0.008	1.6	
	13	0.375	0.094	25%	0.390	0.378					45	0.500	0.125	25%	0.479	0.496	0.021	4.2	0.004	0.8	
	14	0.375	0.094	25%	0.385	0.385					46	0.500	0.125	25%	0.490	0.492	0.010	2.0	0.008	1.6	
	15	0.375	0.094	25%	0.377	0.390					47	0.500	0.125	25%	0.487	0.485	0.013	2.6	0.015	3.0	
	16	0.375	0.094	25%	0.390	0.385					48	0.500	0.125	25%	0.491	0.497	0.009	1.8	0.003	0.6	
	17	0.375	0.094	25%	0.382	0.391					49	0.500	0.125	25%	0.485	0.491	0.015	3.0	0.009	1.8	
	18	0.375	0.094	25%	0.376	0.379					50	0.500	0.125	25%	0.495	0.477	0.005	1.0	0.023	4.6	
	19	0.375	0.094	25%	0.384	0.387					51	0.500	0.125	25%	0.486	0.479	0.014	2.8	0.021	4.2	
	20	0.375	0.094	25%	0.395	0.380					52	0.500	0.125	25%	0.493	0.489	0.007	1.4	0.011	2.2	
	21	0.375	0.094	25%	0.377	0.376					53	0.500	0.125	25%	0.484	0.495	0.016	3.2	0.005	1.0	
	22	0.375	0.094	25%	0.374	0.394	0.001	0.3			54	0.500	0.125	25%	0.492	0.489	0.008	1.6	0.011	2.2	
	23	0.375	0.094	25%	0.379	0.385					55	0.500	0.125	25%	0.489	0.504	0.011	2.2			
	24	0.375	0.094	25%	0.382	0.390					56	0.500	0.125	25%	0.496	0.500	0.004	0.8	0.000	0.0	
	25	0.375	0.094	25%	0.388	0.385					57	0.500	0.125	25%	0.494	0.496	0.006	1.2	0.004	0.8	
	26	0.375	0.094	25%	0.384	0.376					58	0.500	0.125	25%	0.501	0.492			0.008	1.6	
	27	0.375	0.094	25%	0.378	0.390					59	0.500	0.125	25%	0.496	0.494	0.004	0.8	0.006	1.2	
	28	0.375	0.094	25%	0.390	0.382					60	0.500	0.125	25%	0.488	0.500	0.012	2.4	0.000	0.0	
	29	0.375	0.094	25%	0.386	0.375			0.000	0.0	61	0.375	0.094	25%	0.364	0.370	0.011	2.9	0.005	1.3	
	30	0.375	0.094	25%	0.390	0.381					62	0.375	0.094	25%	0.366	0.374	0.009	2.4	0.001	0.3	
	31	0.375	0.094	25%	0.374	0.379	0.001	0.3			63	0.375	0.094	25%	0.352	0.371	0.023	6.1	0.004	1.1	
	32	0.375	0.094	25%	0.382	0.380					64	0.375	0.094	25%	0.368	0.362	0.007	1.9	0.013	3.5	

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 128

OPERATOR'S SIGNATURE

ABS SURVEYOR'S SIGNATURE



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 2 OF 2

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: DECK PLATING

LOCATION OF STRUCTURE: MAIN DECK

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
DECK PLATE CONT	65	0.375	0.094	25%	0.380	0.377				
	66	0.375	0.094	25%	0.372	0.374	0.003	0.8	0.001	0.3
	67	0.375	0.094	25%	0.381	0.380				
	68	0.375	0.094	25%	0.376	0.372			0.003	0.8
	69	0.375	0.094	25%	0.390	0.376				
	70	0.375	0.094	25%	0.385	0.381				
	71	0.375	0.094	25%	0.390	0.381				
	72	0.375	0.094	25%	0.384	0.374			0.001	0.3
	73	0.375	0.094	25%	0.376	0.377				
	74	0.375	0.094	25%	0.380	0.390				
	75	0.375	0.094	25%	0.374	0.372	0.001	0.3	0.003	0.8
	76	0.375	0.094	25%	0.372	0.376	0.003	0.8		
	77	0.375	0.094	25%	0.376	0.381				
	78	0.375	0.094	25%	0.381	0.370			0.005	1.3
	79	0.375	0.094	25%	0.380	0.369			0.006	1.6
	80	0.375	0.094	25%	0.374	0.374	0.001	0.3	0.001	0.3
	81	0.500	0.125	25%	0.512					
	82	0.500	0.125	25%	0.504					
	83	0.500	0.125	25%	0.499		0.001	0.2		
	84	0.500	0.125	25%	0.501					
	85	0.500	0.125	25%	0.500		0.000	0.0		
	86	0.500	0.125	25%	0.496		0.004	0.8		

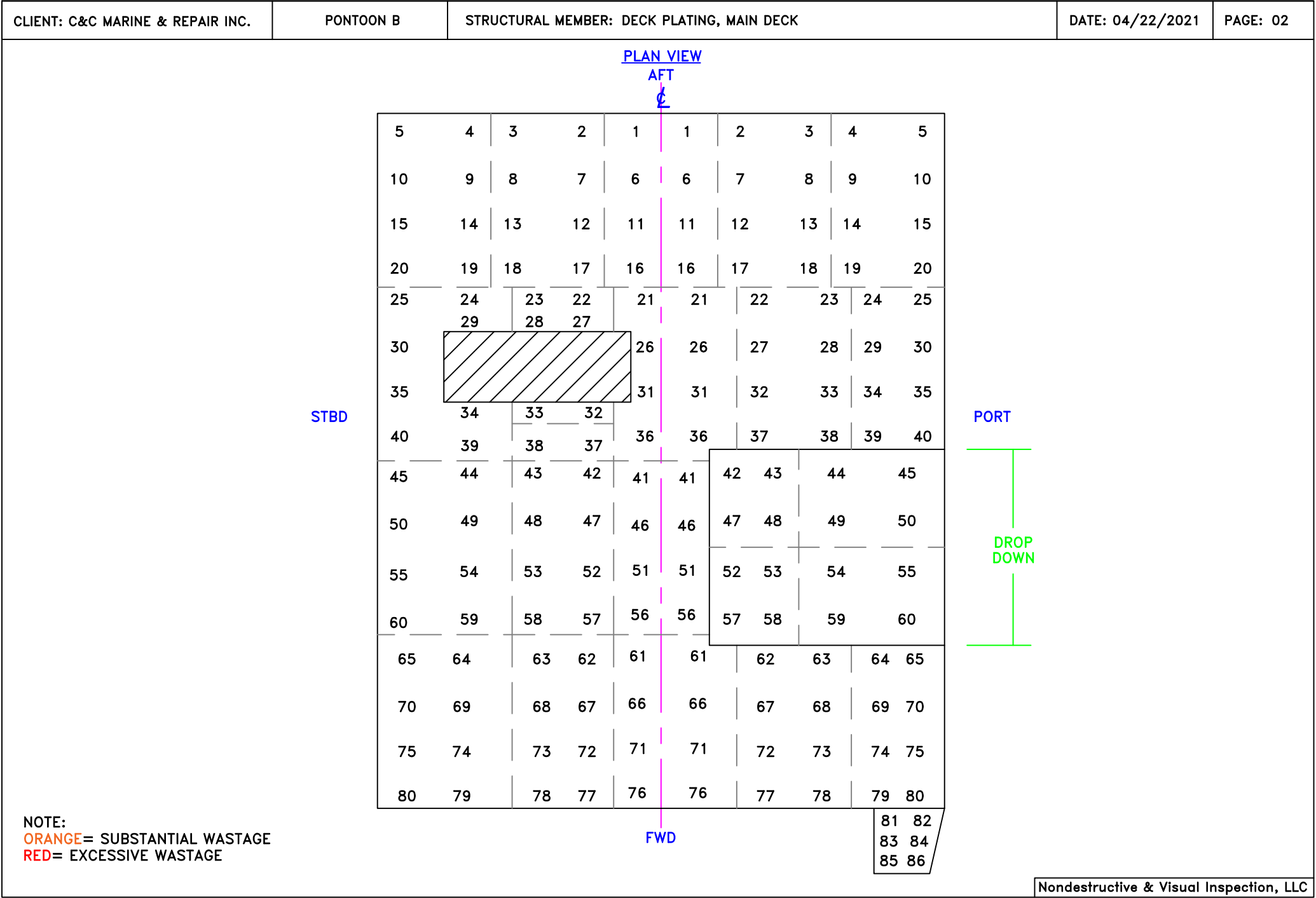
TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 38

OPERATOR'S SIGNATURE

ABS SURVEYOR'S SIGNATURE





DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 2

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: BOTTOM PLATING

LOCATION OF STRUCTURE: HULL

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		
		IN	IN	%	PORT	STBD	IN	%	IN	%		IN	%	PORT	STBD	IN	%	IN	%		
BOTTOM PLATE	1	0.375	0.094	25%	0.380	0.369			0.006	1.6	BOTTOM PL CONT	33	0.375	0.094	25%	0.382	0.369			0.006	1.6
	2	0.375	0.094	25%	0.370	0.371	0.005	1.3	0.004	1.1		34	0.375	0.094	25%	0.374	0.375	0.001	0.3	0.000	0.0
	3	0.375	0.094	25%	0.368	0.370	0.007	1.9	0.005	1.3		35	0.375	0.094	25%	0.373	0.372	0.002	0.5	0.003	0.8
	4	0.375	0.094	25%	0.372	0.373	0.003	0.8	0.002	0.5		36	0.375	0.094	25%	0.366	0.381	0.009	2.4		
	5	0.375	0.094	25%	0.370	0.366	0.005	1.3	0.009	2.4		37	0.375	0.094	25%	0.369	0.377	0.006	1.6		
	6	0.375	0.094	25%	0.364	0.369	0.011	2.9	0.006	1.6		38	0.375	0.094	25%	0.374	0.375	0.001	0.3	0.000	0.0
	7	0.375	0.094	25%	0.371	0.374	0.004	1.1	0.001	0.3		39	0.375	0.094	25%	0.369	0.374	0.006	1.6	0.001	0.3
	8	0.375	0.094	25%	0.359	0.371	0.016	4.3	0.004	1.1		40	0.375	0.094	25%	0.374	0.375	0.001	0.3	0.000	0.0
	9	0.375	0.094	25%	0.371	0.372	0.004	1.1	0.003	0.8		41	0.375	0.094	25%	0.377	0.380				
	10	0.375	0.094	25%	0.366	0.369	0.009	2.4	0.006	1.6		42	0.375	0.094	25%	0.372	0.376	0.003	0.8		
	11	0.375	0.094	25%	0.374	0.373	0.001	0.3	0.002	0.5		43	0.375	0.094	25%	0.368	0.382	0.007	1.9		
	12	0.375	0.094	25%	0.367	0.368	0.008	2.1	0.007	1.9		44	0.375	0.094	25%	0.375	0.388	0.000	0.0		
	13	0.375	0.094	25%	0.362	0.364	0.013	3.5	0.011	2.9		45	0.375	0.094	25%	0.372	0.379	0.003	0.8		
	14	0.375	0.094	25%	0.369	0.371	0.006	1.6	0.004	1.1		46	0.375	0.094	25%	0.376	0.381				
	15	0.375	0.094	25%	0.370	0.362	0.005	1.3	0.013	3.5		47	0.375	0.094	25%	0.374	0.377	0.001	0.3		
	16	0.375	0.094	25%	0.374	0.369	0.001	0.3	0.006	1.6		48	0.375	0.094	25%	0.381	0.374			0.001	0.3
	17	0.375	0.094	25%	0.373	0.374	0.002	0.5	0.001	0.3		49	0.375	0.094	25%	0.390	0.373			0.002	0.5
	18	0.375	0.094	25%	0.369	0.372	0.006	1.6	0.003	0.8		50	0.375	0.094	25%	0.376	0.382				
	19	0.375	0.094	25%	0.368	0.383	0.007	1.9				51	0.375	0.094	25%	0.382	0.376				
	20	0.375	0.094	25%	0.374	0.374	0.001	0.3	0.001	0.3		52	0.375	0.094	25%	0.375	0.374	0.000	0.0	0.001	0.3
	21	0.375	0.094	25%	0.366	0.381	0.009	2.4				53	0.375	0.094	25%	0.383	0.370			0.005	1.3
	22	0.375	0.094	25%	0.359	0.383	0.016	4.3				54	0.375	0.094	25%	0.381	0.382				
	23	0.375	0.094	25%	0.368	0.376	0.007	1.9				55	0.375	0.094	25%	0.374	0.376	0.001	0.3		
	24	0.375	0.094	25%	0.381	0.374			0.001	0.3		56	0.375	0.094	25%	0.369	0.381	0.006	1.6		
	25	0.375	0.094	25%	0.374	0.377	0.001	0.3				57	0.375	0.094	25%	0.375	0.379	0.000	0.0		
	26	0.375	0.094	25%	0.382	0.369			0.006	1.6		58	0.375	0.094	25%	0.381	0.385				
	27	0.375	0.094	25%	0.368	0.375	0.007	1.9	0.000	0.0		59	0.375	0.094	25%	0.376	0.377				
	28	0.375	0.094	25%	0.374	0.374	0.001	0.3	0.001	0.3		60	0.375	0.094	25%	0.382	0.379				
	29	0.375	0.094	25%	0.370	0.373	0.005	1.3	0.002	0.5		61	0.375	0.094	25%	0.379	0.383				
	30	0.375	0.094	25%	0.367	0.374	0.008	2.1	0.001	0.3		62	0.375	0.094	25%	0.382	0.385				
	31	0.375	0.094	25%	0.371	0.370	0.004	1.1	0.005	1.3		63	0.375	0.094	25%	0.377	0.376				
	32	0.375	0.094	25%	0.365	0.369	0.010	2.7	0.006	1.6		64	0.375	0.094	25%	0.376	0.390				

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 128

OPERATOR'S SIGNATURE

ABS SURVEYOR'S SIGNATURE



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 2 OF 2

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: BOTTOM PLATING

LOCATION OF STRUCTURE: HULL

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD		DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD	
			IN	IN	%	PORT	STBD	IN	%	IN				%	IN	IN	%	PORT	STBD	IN	%
BOTTOM PL CONT	65	0.375	0.094	25%	0.382	0.390					PIT	97	0.375	0.094	25%		0.280			0.095	25.3
	66	0.375	0.094	25%	0.376	0.383					PIT	98	0.375	0.094	25%		0.290			0.085	22.7
	67	0.375	0.094	25%	0.390	0.377					PIT	99	0.375	0.094	25%		0.275			0.100	26.7
	68	0.375	0.094	25%	0.381	0.376					PIT	100	0.375	0.094	25%	0.285		0.090	24.0		
	69	0.375	0.094	25%	0.369	0.382	0.006	1.6			PIT	101	0.375	0.094	25%	0.265		0.110	29.3		
	70	0.375	0.094	25%	0.374	0.381	0.001	0.3			PIT	102	0.375	0.094	25%		0.270			0.105	28.0
	71	0.375	0.094	25%	0.372	0.381	0.003	0.8			PIT	103	0.375	0.094	25%		0.260			0.115	30.7
	72	0.375	0.094	25%	0.385	0.377					PIT	104	0.375	0.094	25%		0.275			0.100	26.7
	73	0.375	0.094	25%	0.309	0.372	0.066	17.6	0.003	0.8	PIT	105	0.375	0.094	25%		0.260			0.115	30.7
	74	0.375	0.094	25%	0.300	0.371	0.075	20.0	0.004	1.1	PIT	106	0.375	0.094	25%	0.275		0.100	26.7		
	75	0.375	0.094	25%	0.282	0.383	0.093	24.8			PIT	107	0.375	0.094	25%	0.260		0.115	30.7		
	76	0.375	0.094	25%	0.368	0.355	0.007	1.9	0.020	5.3											
	77	0.375	0.094	25%	0.384	0.370			0.005	1.3											
	78	0.375	0.094	25%	0.372	0.361	0.003	0.8	0.014	3.7											
	79	0.375	0.094	25%	0.374	0.372	0.001	0.3	0.003	0.8											
	80	0.375	0.094	25%	0.368	0.369	0.007	1.9	0.006	1.6											
PIT	81	0.375	0.094	25%	0.285		0.090	24.0													
PIT	82	0.375	0.094	25%	0.285		0.090	24.0													
PIT	83	0.375	0.094	25%	0.275		0.100	26.7													
PIT	84	0.375	0.094	25%		0.290			0.085	22.7											
PIT	85	0.375	0.094	25%		0.270			0.105	28.0											
PIT	86	0.375	0.094	25%		0.265			0.110	29.3											
PIT	87	0.375	0.094	25%	0.270		0.105	28.0													
PIT	88	0.375	0.094	25%		0.270			0.105	28.0											
PIT	89	0.375	0.094	25%	0.255		0.120	32.0													
PIT	90	0.375	0.094	25%	0.265		0.110	29.3													
PIT	91	0.375	0.094	25%	0.270		0.105	28.0													
PIT	92	0.375	0.094	25%		0.285			0.090	24.0											
PIT	93	0.375	0.094	25%	0.260		0.115	30.7													
PIT	94	0.375	0.094	25%	0.290		0.085	22.7													
PIT	95	0.375	0.094	25%	0.275		0.100	26.7													
PIT	96	0.375	0.094	25%	0.245		0.130	34.7													

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT:

59

OPERATOR'S SIGNATURE

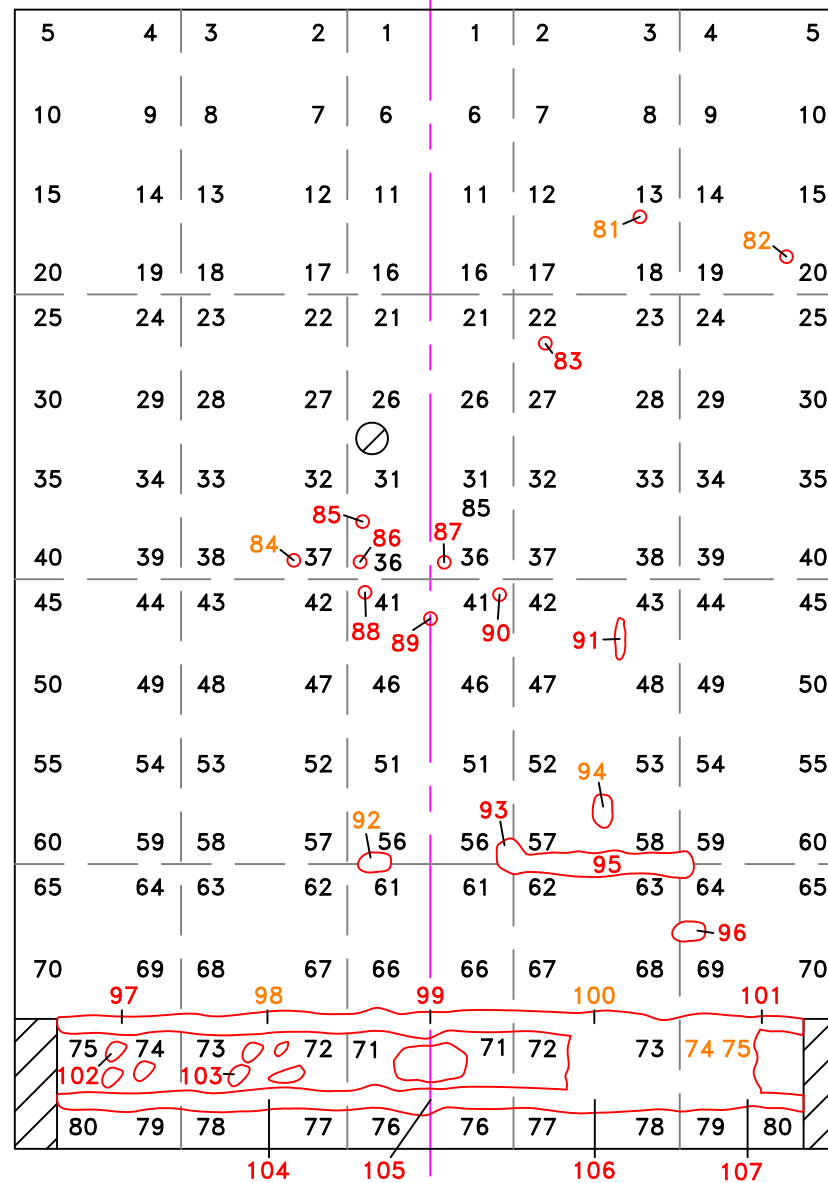
ABS SURVEYOR'S SIGNATURE

PLAN VIEW

AFT

STBD

PORT



NOTE:

ORANGE= SUBSTANTIAL WASTAGE
 RED= EXCESSIVE WASTAGE

*REPRESENTATIVE PITTING UT'D

○ =CORROSION/PITTING



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: TRANSOM PLATING

LOCATION OF STRUCTURE: IWO AFT EPAK

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
TRANSOM PLATE	1	0.375	0.094	25%	0.381					
	2	0.375	0.094	25%	0.381					
	3	0.375	0.094	25%	0.374		0.001	0.3		
	4	0.375	0.094	25%	0.380					
	5	0.375	0.094	25%	0.236		0.139	37.1		
	6	0.375	0.094	25%	0.255		0.120	32.0		
	7	0.375	0.094	25%	0.246		0.129	34.4		
	8	0.375	0.094	25%	0.220		0.155	41.3		
	9	0.375	0.094	25%	0.280		0.095	25.3		
	10	0.375	0.094	25%	0.372		0.003	0.8		
	11	0.375	0.094	25%	0.373		0.002	0.5		
	12	0.375	0.094	25%	0.380					
	13	0.375	0.094	25%	0.300		0.075	20.0		
	14	0.375	0.094	25%	0.260		0.115	30.7		
	15	0.375	0.094	25%	0.232		0.143	38.1		
	16	0.375	0.094	25%		0.374			0.001	0.3
	17	0.375	0.094	25%		0.366			0.009	2.4
	18	0.375	0.094	25%		0.366			0.009	2.4
	19	0.375	0.094	25%		0.270			0.105	28.0
	20	0.375	0.094	25%		0.260			0.115	30.7
	21	0.375	0.094	25%		0.252			0.123	32.8
	22	0.375	0.094	25%		0.215			0.160	42.7
	23	0.375	0.094	25%		0.226			0.149	39.7
	24	0.375	0.094	25%		0.379				
	25	0.375	0.094	25%		0.384				
	26	0.375	0.094	25%		0.237			0.138	36.8
	27	0.375	0.094	25%		0.368			0.007	1.9
	28	0.375	0.094	25%		0.280			0.095	25.3
	29	0.375	0.094	25%		0.260			0.115	30.7
	30	0.375	0.094	25%		0.372			0.003	0.8

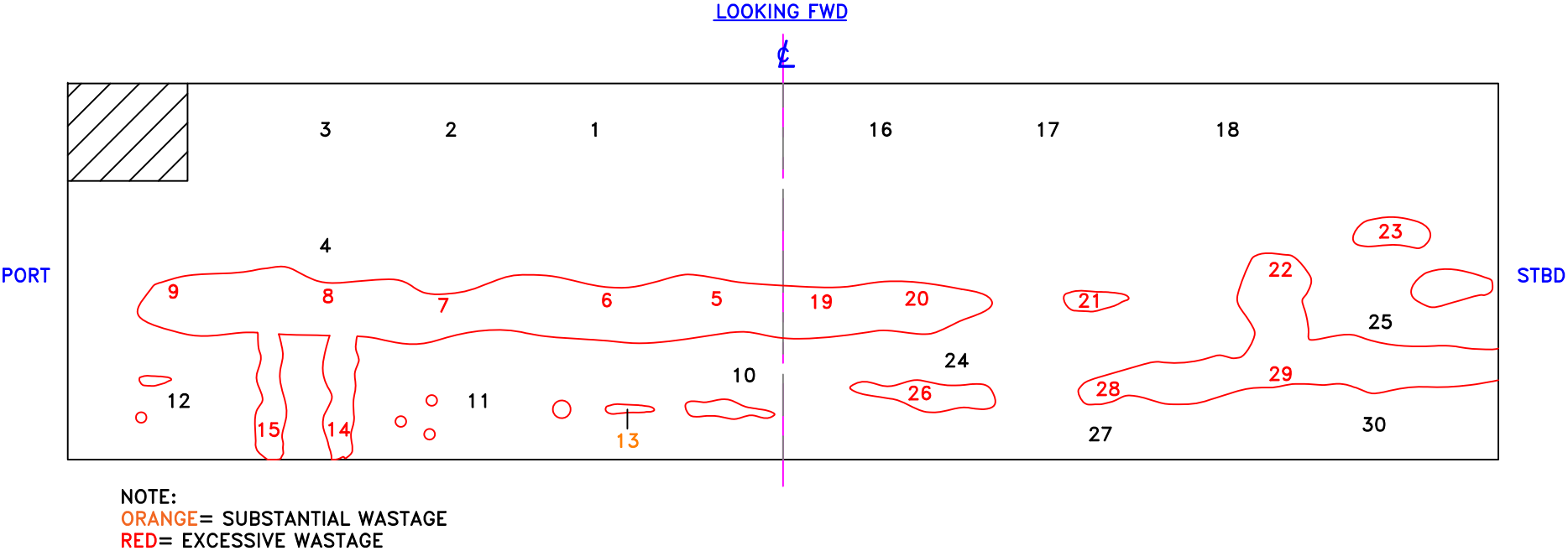
TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 30

OPERATOR'S SIGNATURE

ABS SURVEYOR'S SIGNATURE





DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

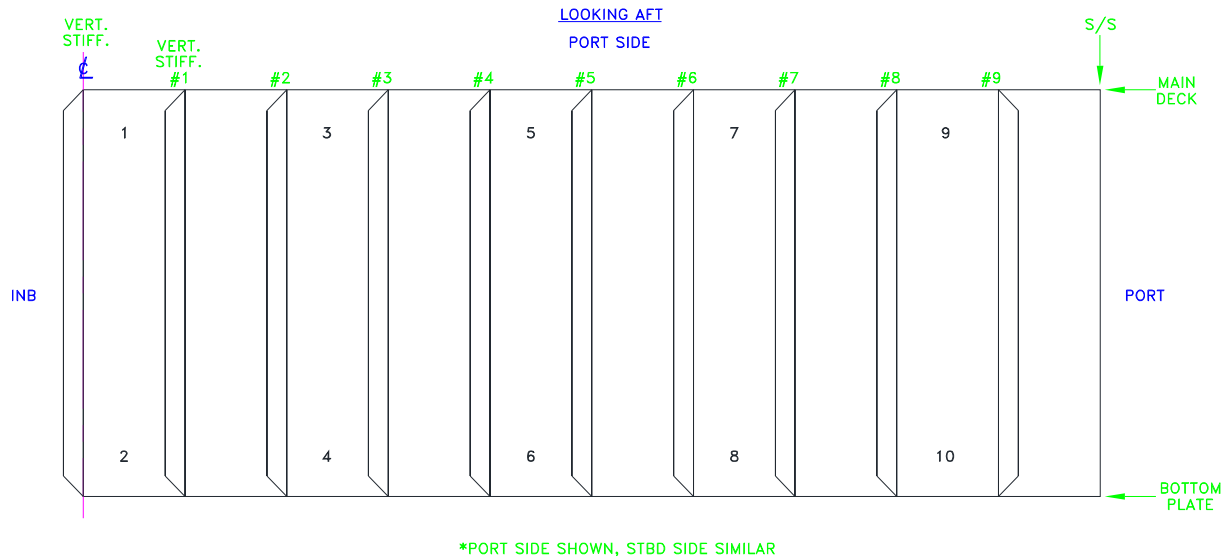
VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. T/V BHD PLATING, FRAME NO. 1

LOCATION OF STRUCTURE: IWO VOID TANK NO. 1 CENTER

DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION			GAUGED		DIMINUTION PORT		DIMINUTION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%	0.308	0.314	0.005	1.6		
	2	0.313	0.078	25%	0.320	0.321				
	3	0.313	0.078	25%	0.314	0.320				
	4	0.313	0.078	25%	0.311	0.315	0.002	0.6		
	5	0.313	0.078	25%	0.320	0.316				
	6	0.313	0.078	25%	0.316	0.320				
	7	0.313	0.078	25%	0.311	0.314	0.002	0.6		
	8	0.313	0.078	25%	0.310	0.316	0.003	1.0		
	9	0.313	0.078	25%	0.320	0.310			0.003	1.0
	10	0.313	0.078	25%	0.316	0.318				



TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 20

OPERATOR'S SIGNATURE J.R. Rosales

ABS SURVEYOR'S SIGNATURE _____



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

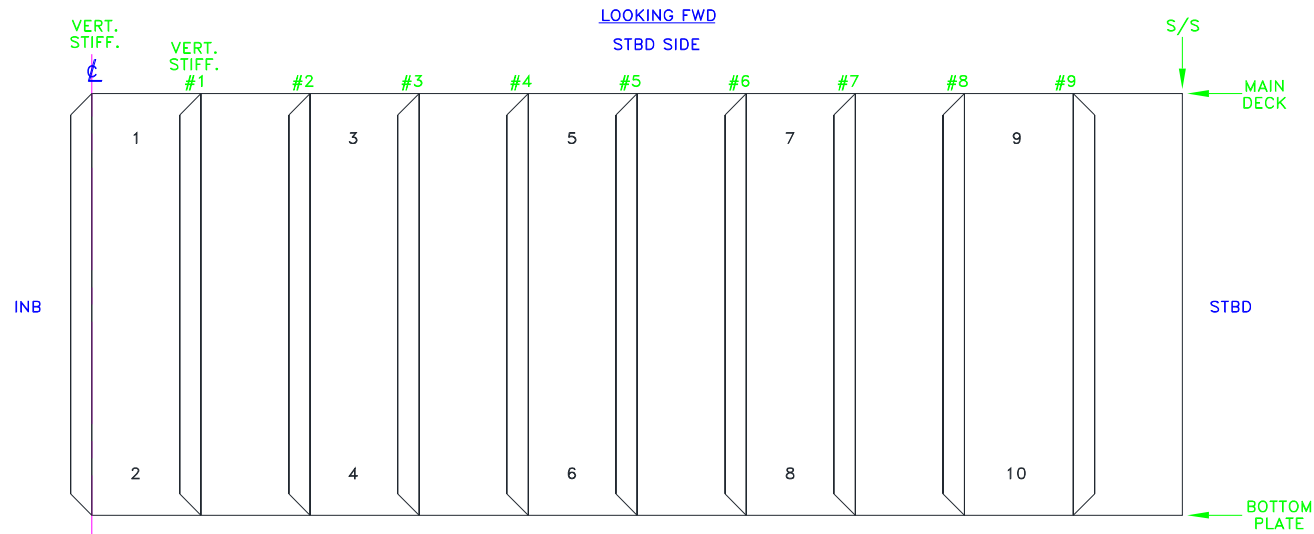
VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. T/V BHD PLATING, FRAME NO. 19

LOCATION OF STRUCTURE: IWO VOID TANK NO. 8 CENTER

DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINATION			GAUGED		DIMINATION PORT		DIMINATION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%	0.309	0.311	0.004	1.3	0.002	0.6
	2	0.313	0.078	25%	0.312	0.312	0.001	0.3	0.001	0.3
	3	0.313	0.078	25%	0.315	0.310			0.003	1.0
	4	0.313	0.078	25%	0.311	0.314	0.002	0.6		
	5	0.313	0.078	25%	0.312	0.316	0.001	0.3		
	6	0.313	0.078	25%	0.318	0.322				
	7	0.313	0.078	25%	0.320	0.310			0.003	1.0
	8	0.313	0.078	25%	0.314	0.311			0.002	0.6
	9	0.313	0.078	25%	0.310	0.312	0.003	1.0	0.001	0.3
	10	0.313	0.078	25%	0.313	0.313	0.000	0.0	0.000	0.0



*STBD SIDE SHOWN, PORT SIDE SIMILAR

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 20

OPERATOR'S SIGNATURE John Rosales

ABS SURVEYOR'S SIGNATURE _____



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. T/V BHD PLATING, FRAME NO. 3

LOCATION OF STRUCTURE: IWO WATER BALLAST TANK NO. 2

DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION			GAUGED		DIMINUTION PORT		DIMINUTION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%	0.320	0.316				
	2	0.313	0.078	25%	0.314	0.312			0.001	0.3
	3	0.313	0.078	25%	0.310	0.311	0.003	1.0	0.002	0.6
	4	0.313	0.078	25%	0.316	0.320				
	5	0.313	0.078	25%	0.318	0.314				
	6	0.313	0.078	25%	0.310	0.311	0.003	1.0	0.002	0.6
	7	0.313	0.078	25%	0.320	0.322				
	8	0.313	0.078	25%	0.315	0.316				
	9	0.750	0.188	25%	0.740		0.010	1.3		
	9	0.313	0.078	25%		0.310			0.003	1.0
	10	0.750	0.188	25%	0.736		0.014	1.9		
	10	0.313	0.078	25%		0.321				

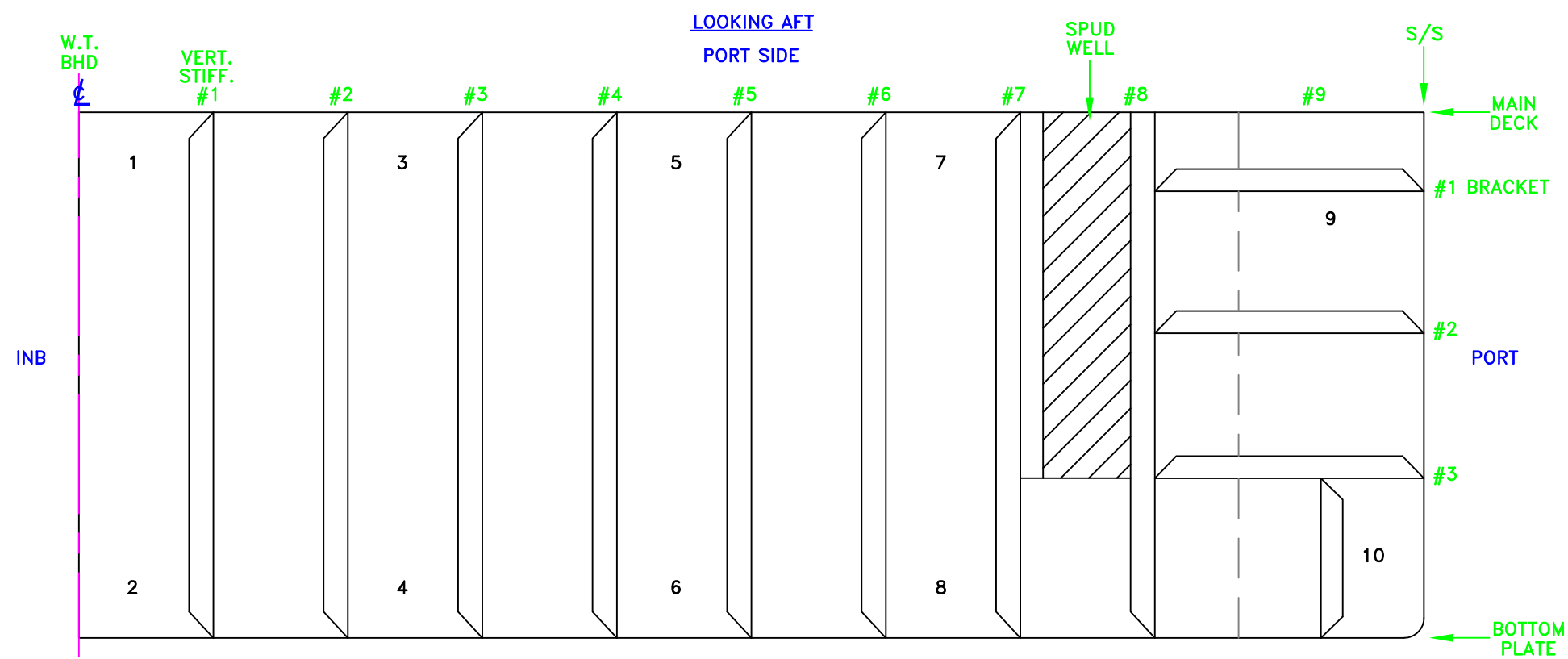
TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

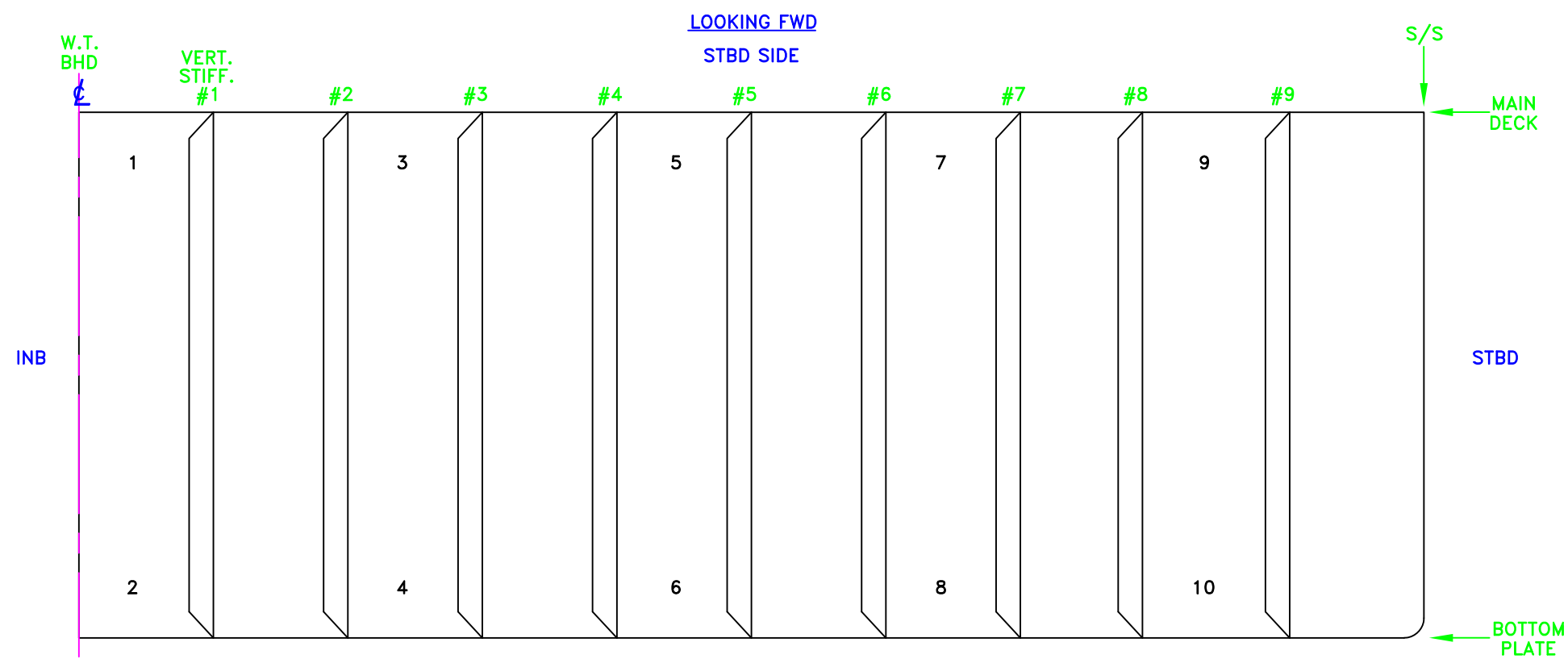
No. 21-HOM-4641299-B COUNT: 20

OPERATOR'S SIGNATURE

ABS SURVEYOR'S SIGNATURE



NOTE:
ORANGE= SUBSTANTIAL WASTAGE
RED= EXCESSIVE WASTAGE



NOTE:
ORANGE= SUBSTANTIAL WASTAGE
RED= EXCESSIVE WASTAGE



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. T/V BHD PLATING, FRAME NO. 8

LOCATION OF STRUCTURE: IWO WATER BALLAST TANK NO. 4

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD	
			IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%	0.308	0.312	0.005	1.6	0.001	0.3
	2	0.313	0.078	25%	0.310	0.311	0.003	1.0	0.002	0.6
	3	0.375	0.094	25%	0.368		0.007	1.9		
	3	0.313	0.078	25%		0.320				
	4	0.375	0.094	25%	0.372		0.003	0.8		
	4	0.313	0.078	25%		0.316				
	5	0.375	0.094	25%	0.370		0.005	1.3		
	5	0.313	0.078	25%		0.310			0.003	1.0
	6	0.375	0.094	25%	0.371		0.004	1.1		
	6	0.313	0.078	25%		0.320				
	7	0.375	0.094	25%	0.369		0.006	1.6		
	7	0.313	0.078	25%		0.314				
	8	0.375	0.094	25%	0.374		0.001	0.3		
	8	0.313	0.078	25%		0.310			0.003	1.0
	9	0.750	0.188	25%	0.746		0.004	0.5		
	9	0.313	0.078	25%		0.322				
	10	0.750	0.188	25%	0.761					
	10	0.313	0.078	25%		0.315				

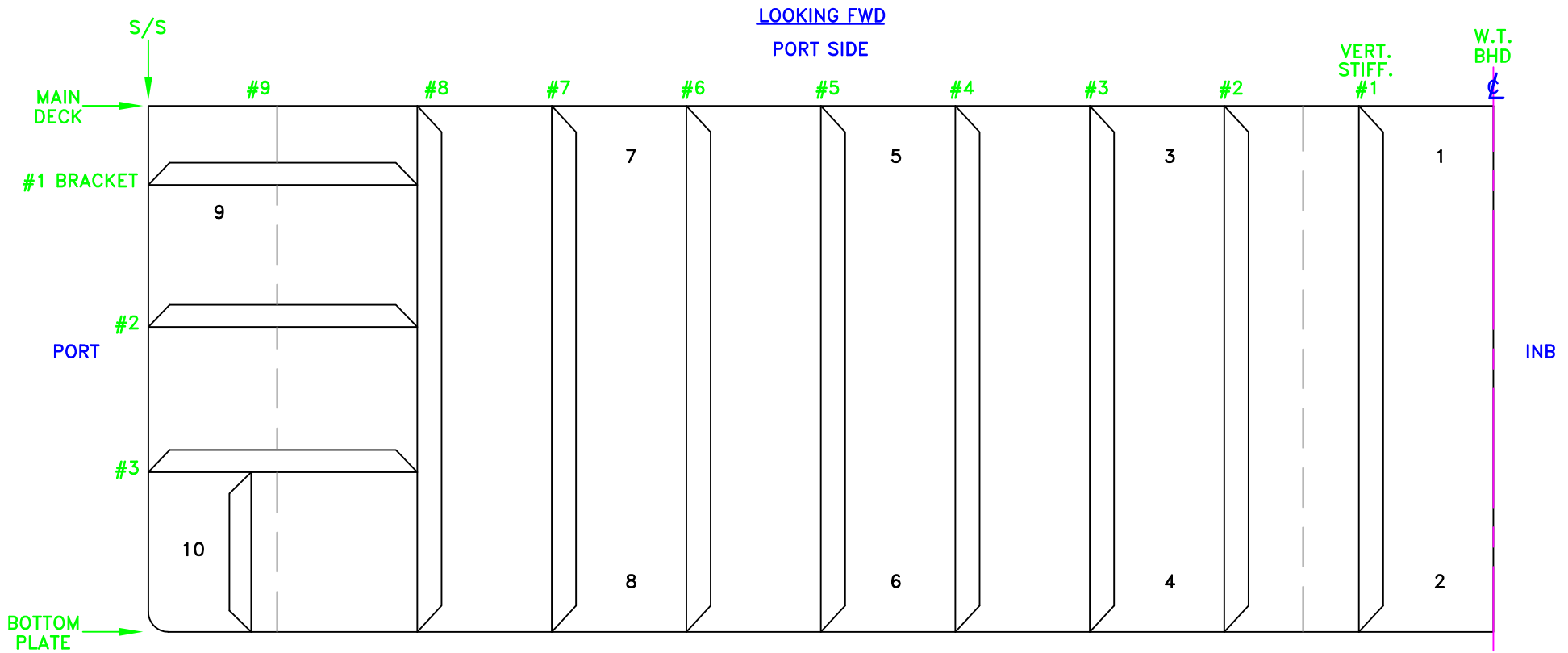
TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

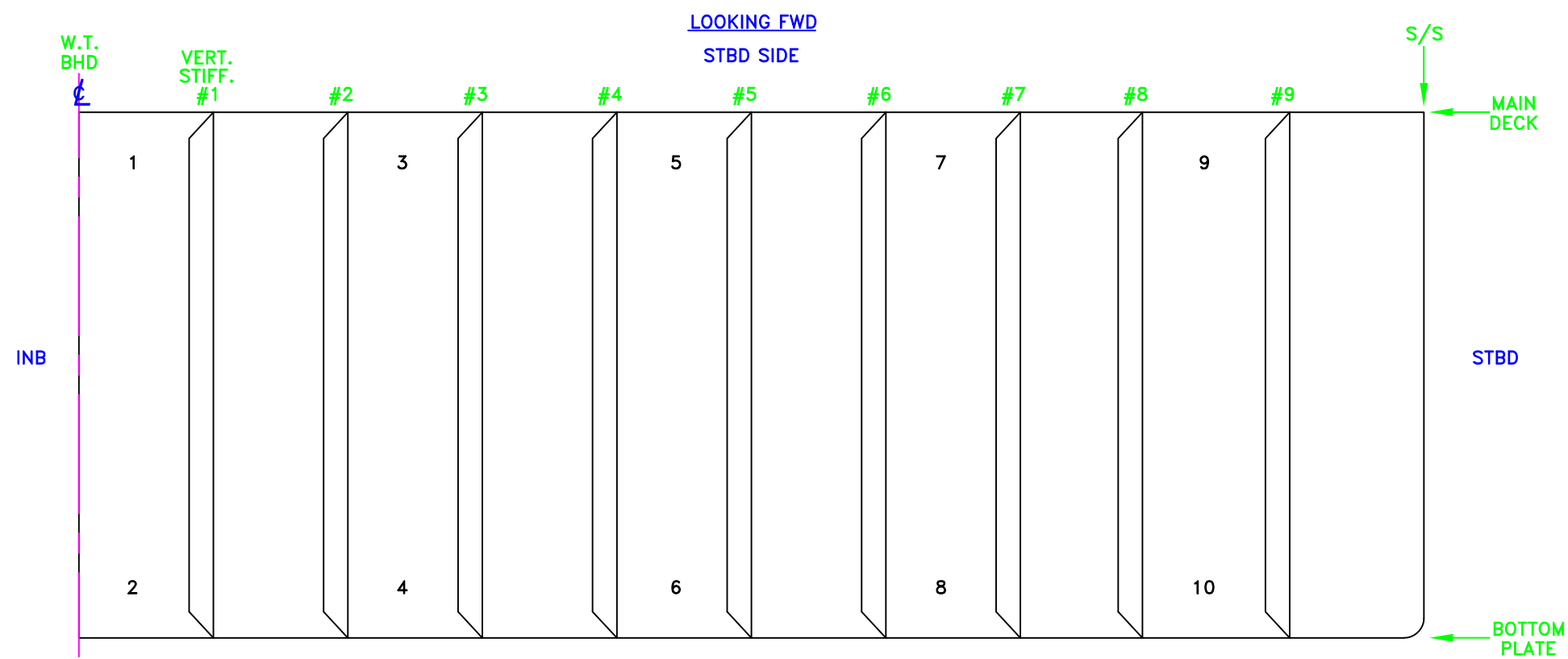
No. 21-HOM-4641299-B COUNT: 20

OPERATOR'S SIGNATURE 

ABS SURVEYOR'S SIGNATURE _____



NOTE:
ORANGE= SUBSTANTIAL WASTAGE
RED= EXCESSIVE WASTAGE



NOTE:
ORANGE= SUBSTANTIAL WASTAGE
RED= EXCESSIVE WASTAGE



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

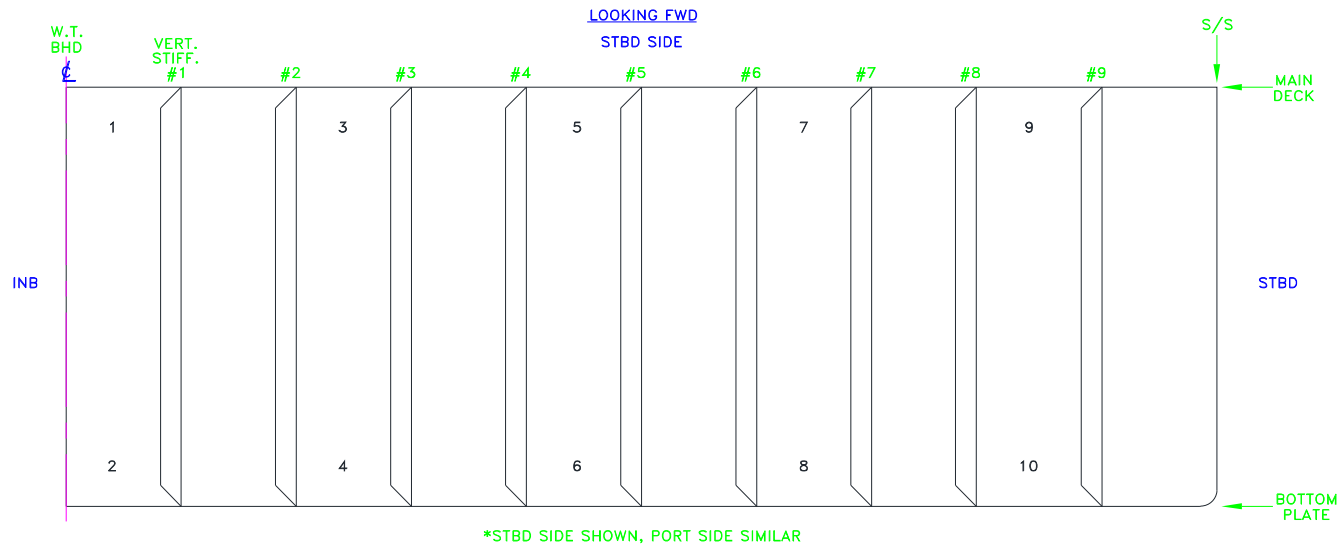
VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. T/V BULKHEAD PLATING, FRAME NO. 10

LOCATION OF STRUCTURE: IWO VOID TANK NO. 5

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINATION		GAUGED		DIMINATION PORT		DIMINATION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%	0.320	0.316				
	2	0.313	0.078	25%	0.314	0.321				
	3	0.313	0.078	25%	0.311	0.314	0.002	0.6		
	4	0.313	0.078	25%	0.316	0.311			0.002	0.6
	5	0.313	0.078	25%	0.310	0.312	0.003	1.0	0.001	0.3
	6	0.313	0.078	25%	0.321	0.311			0.002	0.6
	7	0.313	0.078	25%	0.314	0.309			0.004	1.3
	8	0.313	0.078	25%	0.311	0.321	0.002	0.6		
	9	0.313	0.078	25%	0.310	0.311	0.003	1.0	0.002	0.6
	10	0.313	0.078	25%	0.308	0.313	0.005	1.6	0.000	0.0



TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 20

OPERATOR'S SIGNATURE *John Rosales*

ABS SURVEYOR'S SIGNATURE _____



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

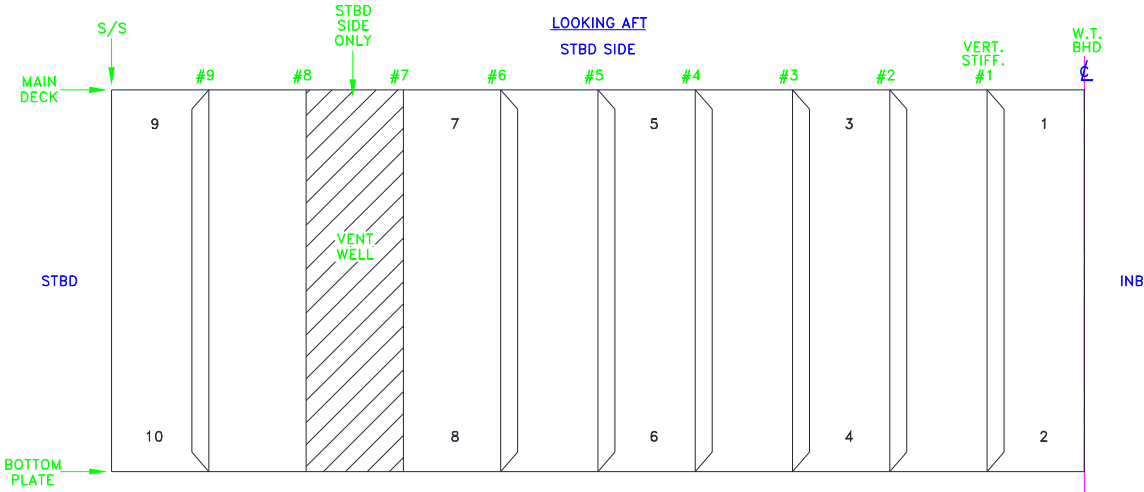
PAGE 1 OF 1

VESSEL NAME: PONTOON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. T/V BULKHEAD PLATING, FRAME NO. 13
LOCATION OF STRUCTURE: IWO VOID TANK NO. 5

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINATION		GAUGED		DIMINATION PORT		DIMINATION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%	0.314	0.314				
	2	0.313	0.078	25%	0.311	0.310	0.002	0.6	0.003	1.0
	3	0.313	0.078	25%	0.310	0.321	0.003	1.0		
	4	0.313	0.078	25%	0.316	0.314				
	5	0.313	0.078	25%	0.320	0.311			0.002	0.6
	6	0.313	0.078	25%	0.314	0.316				
	7	0.313	0.078	25%	0.311	0.312	0.002	0.6	0.001	0.3
	8	0.313	0.078	25%	0.313	0.314	0.000	0.0		
	9	0.313	0.078	25%	0.310	0.311	0.003	1.0	0.002	0.6
	10	0.313	0.078	25%	0.321	0.315				



*STBD SIDE SHOWN, PORT SIDE SIMILAR
*#7 AND #8 VERT. STIFF. ARE SIMILAR TO ALL OTHERS IWO PORT SIDE

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT. No. 21-HOM-4641299-B COUNT: 20

OPERATOR'S SIGNATURE [Signature]

ABS SURVEYOR'S SIGNATURE



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

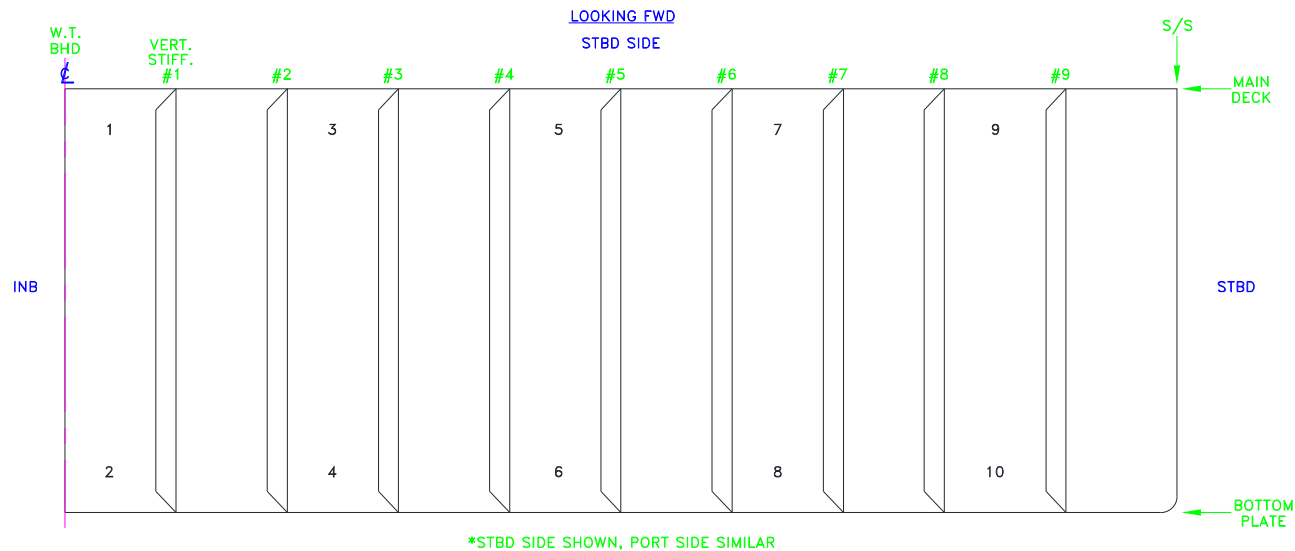
VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. T/V BHD PLATING, FRAME NO. 17

LOCATION OF STRUCTURE: IWO WATER BALLAST TANK NO. 7

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINATION		GAUGED		DIMINATION PORT		DIMINATION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%	0.320	0.314				
	2	0.313	0.078	25%	0.311	0.311	0.002	0.6	0.002	0.6
	3	0.313	0.078	25%	0.312	0.311	0.001	0.3	0.002	0.6
	4	0.313	0.078	25%	0.310	0.306	0.003	1.0	0.007	2.2
	5	0.313	0.078	25%	0.308	0.312	0.005	1.6	0.001	0.3
	6	0.313	0.078	25%	0.312	0.318	0.001	0.3		
	7	0.313	0.078	25%	0.310	0.314	0.003	1.0		
	8	0.313	0.078	25%	0.307	0.311	0.006	1.9	0.002	0.6
	9	0.313	0.078	25%	0.311	0.312	0.002	0.6	0.001	0.3
	10	0.313	0.078	25%	0.309	0.311	0.004	1.3	0.002	0.6



TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 20

OPERATOR'S SIGNATURE *John Rosales*

ABS SURVEYOR'S SIGNATURE _____



C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

DATE OF SURVEY: **04/22/21**

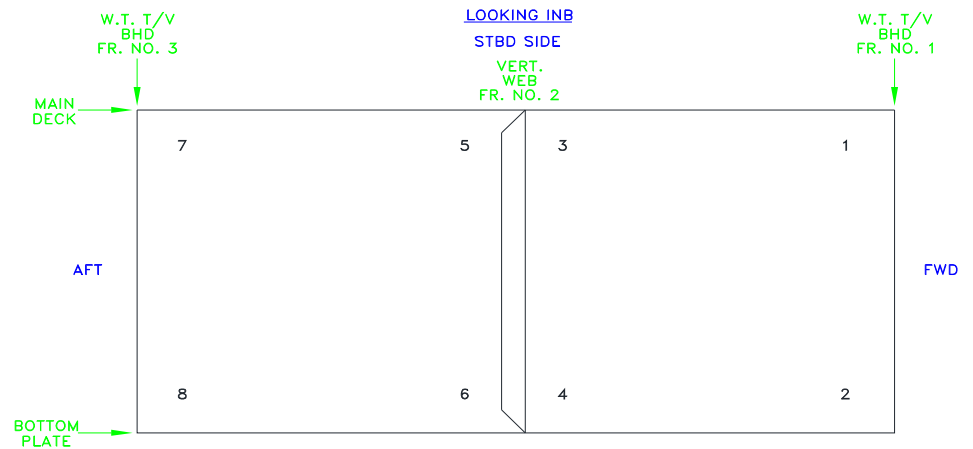
PAGE 1 OF 1

VESSEL NAME: **PONTOON B**

VESSEL DETAILS: *

STRUCTURAL MEMBER: **W.T. CL BHD PLATING**LOCATION OF STRUCTURE: **IWO WATER BALLAST TANK NO.'S 2, 4, AND 7**

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
W.B.T. #2 BHD PL	1	0.313	0.078	25%		0.316				
	2	0.313	0.078	25%		0.314				
	3	0.313	0.078	25%		0.312			0.001	0.3
	4	0.313	0.078	25%		0.321				
	5	0.313	0.078	25%		0.314				
	6	0.313	0.078	25%		0.311			0.002	0.6
	7	0.313	0.078	25%		0.313			0.000	0.0
	8	0.313	0.078	25%		0.315				
W.B.T. #4 BHD PL	1	0.313	0.078	25%		0.320				
	2	0.313	0.078	25%		0.316				
	3	0.313	0.078	25%		0.311			0.002	0.6
	4	0.313	0.078	25%		0.321				
	5	0.313	0.078	25%		0.314				
	6	0.313	0.078	25%		0.322				
	7	0.313	0.078	25%		0.316				
	8	0.313	0.078	25%		0.319				
W.B.T. #7 BHD PL	1	0.313	0.078	25%		0.320				
	2	0.313	0.078	25%		0.315				
	3	0.313	0.078	25%		0.321				
	4	0.313	0.078	25%		0.316				
	5	0.313	0.078	25%		0.311			0.002	0.6
	6	0.313	0.078	25%		0.321				
	7	0.313	0.078	25%		0.314				
	8	0.313	0.078	25%		0.315				

TECHNICIAN **JONATHAN ROSALES, NVI LVL II**

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT:

24OPERATOR'S SIGNATURE *John Rosales*

ABS SURVEYOR'S SIGNATURE _____



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

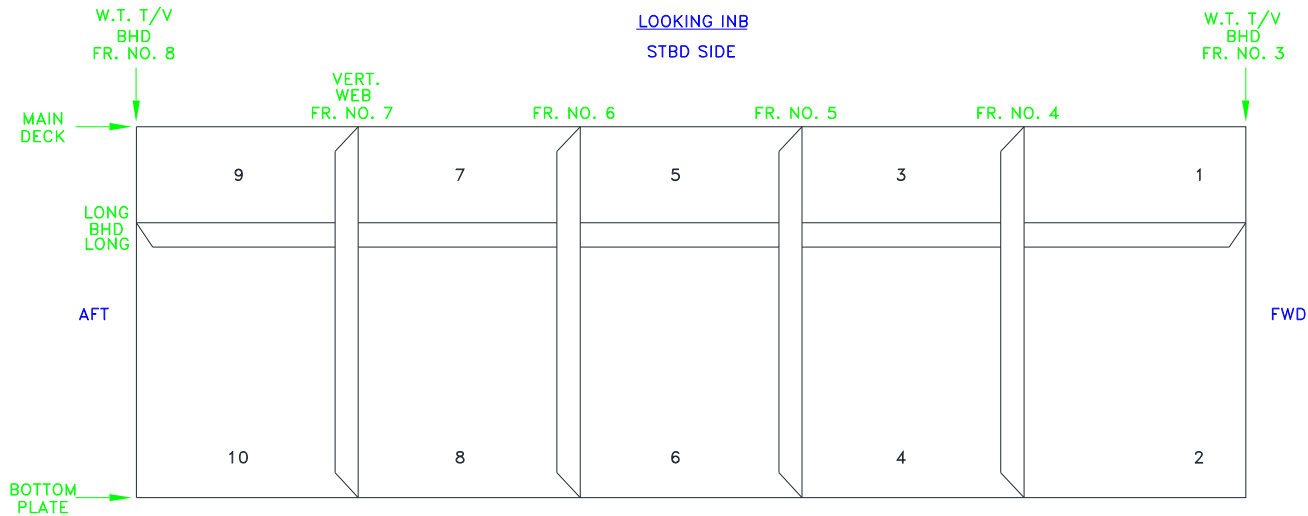
VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. LONG BULKHEAD PLATING

LOCATION OF STRUCTURE: IWO VOID TANK NO. 3

DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINATION			GAUGED		DIMINATION PORT		DIMINATION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.500	0.125	25%		0.498			0.002	0.4
	2	0.500	0.125	25%		0.501				
	3	0.500	0.125	25%		0.500			0.000	0.0
	4	0.500	0.125	25%		0.496			0.004	0.8
	5	0.500	0.125	25%		0.499			0.001	0.2
	6	0.500	0.125	25%		0.494			0.006	1.2
	7	0.500	0.125	25%		0.498			0.002	0.4
	8	0.500	0.125	25%		0.497			0.003	0.6
	9	0.500	0.125	25%		0.489			0.011	2.2
	10	0.500	0.125	25%		0.495			0.005	1.0



*MAIN FRAMES SHOWN ONLY

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT: 10

OPERATOR'S SIGNATURE J.R. Rosales

ABS SURVEYOR'S SIGNATURE _____



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. CL BULKHEAD PLATING

LOCATION OF STRUCTURE: IWO VOID TANK NO. 5

DESCRIPTION	ORG. THK.	MAXIMUM ALLOWABLE DIMINATION			GAUGED		DIMINATION PORT		DIMINATION STBD	
		IN	IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%		0.311			0.002	0.6
	2	0.313	0.078	25%		0.321				
	3	0.313	0.078	25%		0.316				
	4	0.313	0.078	25%		0.315				
	5	0.313	0.078	25%		0.320				
	6	0.313	0.078	25%		0.315				

W.T. T/V
BHD
FR. NO. 13

LOOKING INB
STBD SIDE

W.T. T/V
BHD
FR. NO. 10

VERT.
WEB
FR. NO. 12

WEB
FR. NO. 11

MAIN
DECK

AFT

FWD

BOTTOM
PLATE

TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT:

6

OPERATOR'S SIGNATURE

ABS SURVEYOR'S SIGNATURE



DATE OF SURVEY: 04/22/21

C & C MARINE & REPAIR, INC.
REPORT ON THICKNESS MEASUREMENTS

PAGE 1 OF 1

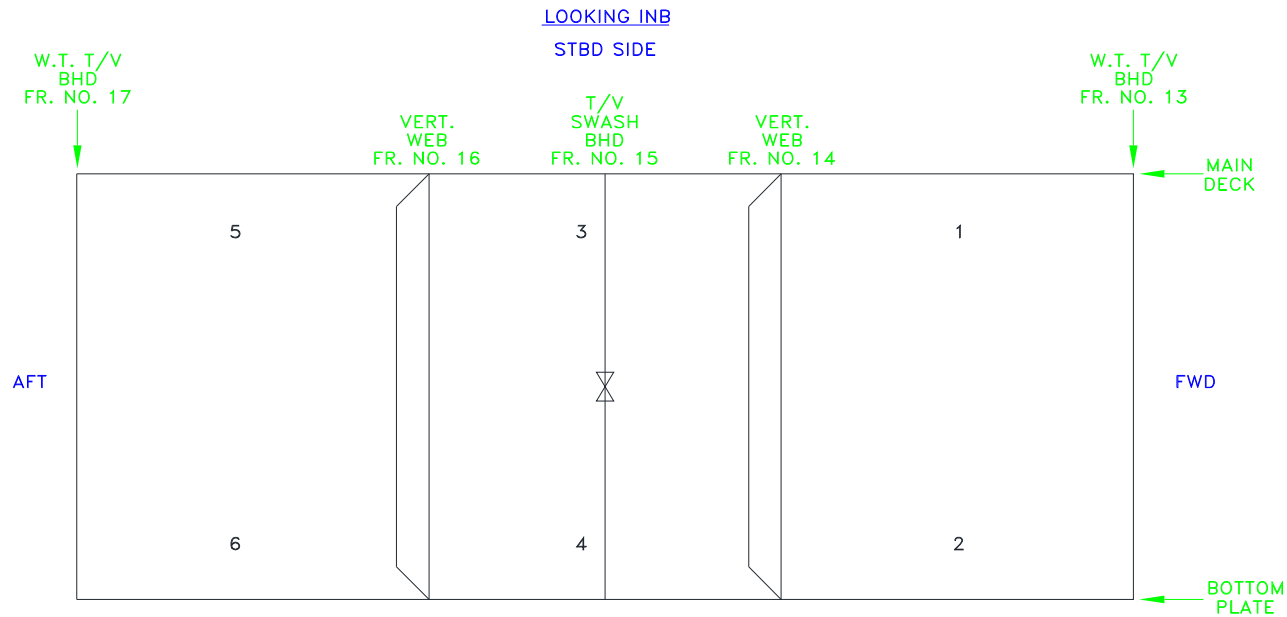
VESSEL NAME: PONTON B

VESSEL DETAILS: *

STRUCTURAL MEMBER: W.T. CL BULKHEAD PLATING

LOCATION OF STRUCTURE: IWO VOID TANK NO. 6

DESCRIPTION		ORG. THK.	MAXIMUM ALLOWABLE DIMINUTION		GAUGED		DIMINUTION PORT		DIMINUTION STBD	
			IN	%	PORT	STBD	IN	%	IN	%
BULKHEAD PLATE	1	0.313	0.078	25%		0.310			0.003	1.0
	2	0.313	0.078	25%		0.306			0.007	2.2
	3	0.313	0.078	25%		0.311			0.002	0.6
	4	0.313	0.078	25%		0.321				
	5	0.313	0.078	25%		0.314				
	6	0.313	0.078	25%		0.311			0.002	0.6



TECHNICIAN JONATHAN ROSALES, NVI LVL II

NVI, LLC. ABS CERT.

No. 21-HOM-4641299-B COUNT:

6

OPERATOR'S SIGNATURE John Rosales

ABS SURVEYOR'S SIGNATURE _____

NDT PERSONNEL CERTIFICATION RECORD



NAME:	Jonathan Rosales
DOB:	11/17/1986
EMP#:	5263

CERTIFICATIONS

METHOD	TECHNIQUE	LEVEL	GENERAL	SPECIFIC	PRACTICAL	AVERAGE	EXAMINER	CERT. DATE	EXP. DATE
RT									
MT	Yoke	II	75%	85%	96%	85%	Allan Poole	1/15/2019	1/31/2024
PT	V,S	II	73%	95%	96%	88%	Allan Poole	1/15/2019	1/31/2024
UTT	A-Scan	II	75%	75%	92%	81%	Allan Poole	1/15/2019	1/31/2024

RECERTIFICATIONS

METHOD	TECHNIQUE	LEVEL	GENERAL	SPECIFIC	PRACTICAL	AVERAGE	EXAMINER	CERT. DATE	EXP. DATE
RT									
MT									
PT									
UTT									

EDUCATION

SCHOOL	YEAR GRADUATED	DIPLOMA
Capital High School	2006	Yes

NDT TRAINING

METHOD	LEVEL	CONDUCTED BY	DATE(S)	HOURS
MT	II	NVI, LLC	April-13	20
PT	II	NVI, LLC	April-13	12
UT	II	Mandina's Inspection Company	2008	80
MT	II	Ultrasonics and Magnetics	2008	20
PT	II	Ultrasonics and Magnetics	2008	12

NDT EXPERIENCE

COMPANY	LEVEL	FROM	TO	METHOD(S)
Q-SEA	II	Apr-18	Jan-19	MT, PT, UT
NVI	II	2013	Apr-18	MT, PT, UT, PMI, EC
Mandina's Inspection Company	II	2012	2013	MT, PT, UT
Ultrasonics and Magnetics	II	2007	2012	MT, PT, UT

ALL NVI PERSONNEL ARE PARTICIPANTS IN D.O.T. SUBSTANCE ABUSE TESTING PROGRAM.

THE ABOVE INDIVIDUAL HAS MET THE REQUIREMENTS FOR QUALIFICATION IN THE STATED METHODS IN ACCORDANCE WITH THE LATEST REVISION OF THE COMPANY'S WRITTEN PRACTICE (NVI WP-01) WHICH FOLLOWS THE GUIDELINES OF ASNT RECOMMENDED PRACTICE SNT-TC-1A.

Digitally signed by Jason Good
Date: 2019.01.23 08:26:22 -06'00'

Jason Good - Corporate NDT Level III - #208883



VISUAL EXAMINATION RECORD

NAME: Jonathan Rosales

EMPLOYEE No.: 5263

EXAM REQUIREMENTS:

- 1) JAEGER NUMBER 1 ACUITY OR EQUIVALENT TYPE AND SIZE AT A DISTANCE OF NOT LESS THAN TWELVE (12) INCHES
- 2) DEMONSTRATION OF THE ABILITY TO DISTINGUISH AND DIFFERENTIATE BETWEEN THE COLORS USED IN NDT TEST METHODS

RESULTS:

1)	JAEGER 1:	SATISFACTORY ☒	UNSATISFACTORY ☐
2)	COLOR CONTRAST DIFFERENTIATION	SATISFACTORY ☒	UNSATISFACTORY ☐
3)	SHADES OF GRAY DIFFERENTIATION	SATISFACTORY ☒	UNSATISFACTORY ☐
4)	CORRECTIVE LENS	YES ☒	NO ☐

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THE ABOVE EMPLOYEE NAMED ABOVE HAS DEMONSTRATED THE ABILITY TO DISTINGUISH AND DIFFERENTIATE BETWEEN THE COLORS NECESSARY FOR NDT METHODS FOR WHICH CERTIFIED AND HAS SATISFACTORILY COMPLETED THE JAEGER 1 NEAR VISION ACUITY EXAMINATION IN ACCORDANCE WITH NVI'S WRITTEN PRACTICE. THIS CERTIFICATION IS VALID FOR ONE YEAR FROM THE EXAMINATION DATE.

Adam Saut

EXAMINER

1/20/2021

EXAM DATE

1/20/2022

EXPIRATION DATE



Corporate
Headquarters:
2449 West Park Avenue
P.O. Box 1690
Gray, LA 70359

THIS ACKNOWLEDGES THAT

Jonathan Rosales

Has met all requirements set forth by the American society of Non destructive testing document
ASNT-SNT-TC-1A as outlined in NVI's written practice is recognized as a:

**CERTIFIED EDDY CURRENT LEVEL II LIMITED
RFT/ECT/ACFM (RENEWED)**

Certification Renewal Date	General	Specific	Practical	Average
July 5 th , 2019	87.5%	80%	90%	86%

07/05/2022

CERTIFICATION EXPIRATION DATE

EXAMINER:
PRAKASH B. PAHILAJANI
ASNT NDT LEVEL III
CERTIFICATE NO. 75650