



MTSL

Bauskas iela 22, Riga , Latvia

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R.Prala

Naval architect "MTSL "

REPORT MT-50-21
on thickness measurements
hull structures "NEPTUNS "

Flag Latvia

LATVIJAS J RAS ADMINISTR CIJA

Port of registry Liepaja

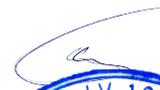
SURVEYOR

RIGA , LATVIA

2021

THICKNESS MEASUREMENT REPORT

GENERAL PARTICULARS

Ship's name:	<i>NEPTUNS</i>	
IMO number:		
Class identity number:		
Port of registry:	<i>Liepaja</i>	
Gross tons:		
Deadweight:		
Date of build:		
Classification society:	<i>LATVIJAS J RAS ADMINISTR CIJA</i>	
Name of firm performing thickness measurement:	<i>MTSL</i>	
Thickness measurement firm certified by:	<i>LATVIJAS J RAS ADMINISTR CIJA</i>	
Approval No.:	<i>18.0091.06</i>	
Approval valid from	<i>18.05.2019-18.05.2023</i>	
Place of measurement:	<i>RIGA</i>	
First date of measurement:	<i>10.07.2021</i>	
Last date of measurement:	<i>11.07.2021</i>	
Special survey / intermediate / other survey due :		
Details of measurement equipment:	<i>CYGNUS 4</i>	
Qualification of operators:	<i>UT- LEVEL 2.</i>	
Report Number:	<i>MT-50-21</i>	
Name of operators:	<i>R.Prala</i>	Name of surveyor:
Signature of operators:		Signature of surveyor:
Firm official stamp:		Classification Society
		Official Stamp:



LATVIJAS JŪRAS ADMINISTRĀCIJAS
KUGOŠANAS DROŠĪBAS INSPEKCIJA
MARITIME ADMINISTRATION OF LATVIA
MARITIME SAFETY INSPECTORATE

UZŅĒMUMA ATBILSTĪBAS APLIECĪBA
CERTIFICATE OF COMPLIANCE OF COMPANY

Pamatojoties uz Latvijas Republikas Ministru kabineta 2008.gada 29. janvāra noteikumu Nr. 49 „Noteikumi par kuģu drošību” 12. punktu, Latvijas Jūras administrācijas Kuģošanas drošības inspekcija apliecina, ka

Issued by Maritime Safety Inspectorate of the Maritime Administration of Latvia under provisions of Article 12 of Regulation No.49 „Regulations on Ships Safety” issued on 29 January 2008 by Cabinet of Ministers of the Republic of Latvia. This is to certify that

SIA “MTSL”

(uzņēmuma pilns nosaukums, adrese un reģistrācijas Nr. full name of Company, address and No. of registry)

Bauskas iela 22, Rīga, LV-1004, reģ.Nr.: 40203056314

ir Latvijas Jūras administrācijas Kuģošanas drošības inspekcijas atzīts uzņēmums, kas veic šīs apliecības pielikumā norādītos darbus saskaņā ar spēkā esošajiem normatīvajiem aktiem.*

is recognized Company by Maritime Safety Inspectorate of the Maritime Administration of Latvia for executing works as stated in Attachment to this Certificate in compliance with laws and regulations in force.*

Uzņēmuma atbilstības apliecība ir derīga ar nosacījumu, ka tā tiek apstiprināta katru gadu.

Validity of Certificate of Compliance of Company is subject to annual surveys of Company

Nākošās ikgadējās apskates termiņš

2019.gada 18.maijā

Date of next annual survey

18 May, 2019



Vieta
Place

Rīga

Datums
Date

2018.gada 11.jūlijs
11 July, 2018

A.Ošs

Pilnvarotās personas paraksts, uzvārds
Signature and name of authorized official

Uzņēmuma atbilstības apliecības Nr.

18.0091.06

No. of Certificate of Compliance of Company

Derīga līdz

2023.gada 18.maijam

Valid until

18 May, 2023

* Veicot pielikumā norādītos darbus, uzņēmuma izdotajos dokumentos iekļauj norādi „Darbi veikti saskaņā ar Latvijas republikas Ministru kabineta 2008.gada 29. janvāra, noteikumu Nr. 49 „Noteikumi par kuģu drošību”12. punktu.,,

Uzņēmuma atbilstības apliecības Nr.

18.0091.06

Derīga līdz

2023.gada 18.maijam

* Executing works stated in Attachment to this Certificate, documents issued by Company should be amended as follows:
“Works executed in accordance with Article 12 of Regulation No.49 „Regulations on Ships Safety” issued on 29 January 2008 by Cabinet of Ministers of the Republic of Latvia”

No. of Certificate of Compliance of Company

18.0091.06

Valid until

18 May, 2023

**CERTIFICATION BODY OF NDT PERSONS
SCIENTIFIC AND TECHNICAL CENTRE "SICH SERT" LLC**
ACCREDIT ACCORDING TO THE REQUIREMENTS ISO/IEC 17024

ACCREDITATION CERTIFICATE № 60002 FROM 26.09.2014
OF NATIONAL ACCREDITATION AGENCY OF UKRAINE -
THE NATIONAL AUTHORITY ON ACCREDITATION.
Declaration about accordance № 012-16 from 26.02.2016

CERTIFICATION OF CONFORMITY

№ 398.09

This certificate avouch that Romans Prala
(name, surname)

according to requirements of certification system on EN ISO 9712 and SNT-TC-1A
is certified as an specialist

according to the Ultrasonic testing (UT)
on level II (second)
(testing method, testing symbol, level of qualification)

and is entitled to control: 0 – metalware and semimanufactured goods (different combinations c, f, w, t and wp), 1 – castings (c), 2 – forgings (f), 3 – welded products (w), 3a – welding deposition (w), 4 – tubes and pipes, including flat products for the manufacturing of welded pipes (t), 5 – wrought products (wp), 5a – rolled stock (wp)

(production type)

In sectors: 7 – metal manufacturing (combining c, f, t, w and wp), 8 – pre and in-service testing of equipment, plant and structure (combining c, f, w, t, wp and other product sectors), 9 – railway maintenance (combining f, wp and other product sectors), 11 – metalwork and metal production, 15 – pipelines, 17 – drilling equipment, 18 – lifting machines, 19 – metalwares and building constructions, 20 – shipbuilding and shiprepair

Certification is valid till 21.07.2022

Given in according to decision about certification from 21.07.2017 № 398.09

Scientific and Technical Centre "Sich Sert" LLC

Head of Certification
Body of Persons



(Handwritten signature)
(signature)

V.Rodionova
(N.S.)

Calibration Certificate



This Ultrasonic Thickness Gauge has been calibrated against a set of structural carbon steel test blocks complying to EN10025-2: 2004 and heat treated in accordance with BS EN15317:2007 and are dimensionally traceable to National Standards via UKAS

Calibration No.	CC-00073
Calibration Date	24/02/2021
Calibrated By	Andrei Junajev
Calibration Procedure	CCP003 Issue 2A

Gauge Model	Cygnus 4 Plus GP
Gauge Serial No.	21284
Probe Type	T5B (5.0 MHz 2 x 8mm T/C)
Probe Serial No.	20656C

Calibrated For	SIA MTSL
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Calibration Results

Resolution Setting*	0.01 mm	Temperature	23°C	Velocity of Sound	5920 m/s
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Block Serial No.	Block Thickness (mm)	Measured Thickness (mm)	Acceptance Limits (mm)	Result (Pass/Fail)
15196	2.00	2.06	±0.1	Pass
15252	25.50	25.57	±0.1	Pass
15198	50.00	50.07	±0.1	Pass
15254	76.00	75.91	±0.1	Pass
19203	99.00	98.98	±0.1	Pass

Through Coating Test (For Single Crystal Multiple Echo Only)	-
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Measurement Uncertainty 0.1 mm

Calibration Due Date: 24 February 2022	Signature & Stamp Info@utmss.com • www.utmss.com Reg.no 12708655 • VAT no EE101743680
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Notes

*Cygnus gauges are calibrated with their Resolution setting set to High, they are delivered set to Low (0.1mm).

Calibration was carried out with use of approved & certified, by the Cygnus Instruments factory, calibration blocks on the basis of a calibration procedure provided and approved by the factory. Calibration Procedure for twin element probes revised for UTM Shipping Service Ltd. set of calibration blocks. UTM Shipping Service Ltd. is authorised to carry out calibration of Cygnus Instruments Ultrasonic Thickness Gauges in Estonia.



Report on thickness measurements of all shell, deck plating , structuralal members

Ship's name NEPTUNS

Reg. No

Report Number:

MT-50-21

1	Structure : Bottom																							
Structural member	Side	No of member, strake	No item	Initial frame	End frame	Original thickness So,	Allowable residual th-s [S1],	Max. allow.demintion %	Remaining thickness gauged Si,											Average values				
																				Residial thickness S1,	Demintion			
																					absolute	relative		
2	3	4	5	6	7	8	9	10	11											12	13	14		
Plate	PS	FK1		39	41	7,0	4,9	30,0	6,5	6,5												6,5	0,5	7,1
Plate	StB	FK1		39	41	7,0	4,9	30,0	6,3	6,1												6,2	0,8	11,4
Plate	PS	FK2		33	39	7,0	4,9	30,0	6,3	6,6												6,5	0,6	7,9
Plate	StB	FK2		33	39	7,0	4,9	30,0	6,0	6,5	6,2	6,3										6,3	0,8	10,7
Plate	PS	FK3		24	33	8,0	5,6	30,0	7,2	7,3	7,4	7,1										7,3	0,8	9,4
Plate	StB	FK3		24	33	8,0	5,6	30,0	7,2	7,4	7,1	7,5										7,3	0,7	8,7
Plate	PS	FK4		14	24	8,0	5,6	30,0	7,3	7,6	7,8	7,7										7,6	0,4	5,0
Plate	StB	FK4		14	24	8,0	5,6	30,0	7,6	7,9	7,8											7,8	0,2	2,9
Plate	PS	FK5		5	14	8,0	5,6	30,0	8,0	7,8	8,0	7,8										7,9	0,1	1,3
Plate	StB	FK6		5	14	10,0	7,0	30,0	9,3	9,7												9,5	0,5	5,0
Plate	PS	FK6		3	5	10,0	7,0	30,0	9,7	9,6												9,7	0,4	3,5
Plate	StB	FK7		0	3	8,0	5,6	30,0	7,8	8,0												7,9	0,1	1,3
Plate	PS	FK7		0	3	8,0	5,6	30,0	7,9	7,8												7,9	0,2	1,9
Plate	StB	A1		39	41	7,0	4,9	30,0	6,0	6,2												6,1	0,9	12,9
Plate	PS	A1		39	41	7,0	4,9	30,0	6,5	6,8												6,7	0,4	5,0

Operator's signature : 

Legend: Below class min
Substantial corr



Report on thickness measurements of all shell, deck plating, structural members

Ship's name

NEPTUNS

Reg. No

Report Number:

MT-50-21

1	Structure : Side shell																								
Structural member	Side	No of member, strake	No item	Initial frame	End frame	Original thickness So,	Allowable residual th-s [S1],	Max. allow.deminution %	Remaining thickness gauged Si,											Average values					
									Residual thickness S1,	Deminution															
										absolute	relative														
2	3	4	5	6	7	8	9	10	11											12	13	14			
Plate	PS		B1	43	47	5,0	3,5	30,0	5,2	5,3													5,3	-0,3	-5,0
Plate	StB		B1	43	47	5,0	3,5	30,0	4,5	4,6													4,6	0,5	9,0
Plate	PS		B2-1	41	43	6,0	4,2	30,0	6,0	6,0													6,0	0,0	0,0
Plate	StB		B3	33	39	7,0	4,9	30,0	6,2	6,5	6,3	6,0											6,3	0,8	10,7
Plate	PS		B3	33	39	7,0	4,9	30,0	6,3	6,5	6,3	6,5											6,4	0,6	8,6
Plate	StB		B4	24	33	7,0	4,9	30,0	6,0	6,2	6,4	6,3											6,2	0,8	11,1
Plate	PS		B4	24	33	7,0	4,9	30,0	6,5	6,5	6,2	6,0											6,3	0,7	10,0
Plate	PS		B7	5	9	10,0	7,0	30,0	9,5	9,2													9,4	0,7	6,5
Plate	StB		B7	5	9	10,0	7,0	30,0	9,6	9,7													9,7	0,4	3,5
Operator's signature :																				Legend: Below class min Substantial corr					



Report on thickness measurements of all shell, deck plating, structural members

Ship's name

NEPTUNS

Reg. No

0

Report Number:

MT-50-21

1	Structure : Main deck													Average values											
Structural member	Side	No of member, strake	No item	Initial frame	End frame	Original thickness S ₀	Allowable residual th-s [S ₁], Max.	allow deminution %	Remaining thickness gauged S _i ,											Residual thickness S ₁	Deminution				
																					absolute	relative			
2	3	4	5	6	7	8	9	10	11											12	13	14			
Plate	PS		A1	44	47	5,0	3,5	30,0	5,6	5,4	5,6												5,5	-0,5	-10,7
Plate	StB		A1	44	47	5,0	3,5	30,0	5,9	5,5													5,7	-0,7	-14,0
Plate	PS		A2	41	44	5,0	3,5	30,0	5,8	5,0													5,4	-0,4	-8,0
Plate	StB		A2	41	44	5,0	3,5	30,0	5,4	5,3													5,4	-0,4	-7,0
Plate	PS		A3	37	41	5,0	3,5	30,0	5,8	5,9													5,9	-0,9	-17,0
Plate	StB		A3	37	41	5,0	3,5	30,0	5,4	5,3													5,4	-0,4	-7,0
Plate	PS		A4	30	37	5,0	3,5	30,0	5,6	5,5													5,6	-0,6	-11,0
Plate	StB		A4	30	37	5,0	3,5	30,0	5,5	5,4													5,4	-0,4	-8,0
Plate	PS		A5	27	30	5,0	3,5	30,0	5,8	5,9													5,9	-0,9	-17,0
Plate	StB		A5	27	30	5,0	3,5	30,0	5,9	5,3													5,6	-0,6	-12,0
Plate	PS		A6	18	27	5,0	3,5	30,0	5,5	5,7													5,6	-0,6	-12,0
Plate	StB		A6	18	27	5,0	3,5	30,0	5,1	5,6													5,4	-0,4	-7,0
Plate	PS		A7	14	18	5,0	3,5	30,0	5,9	5,6													5,8	-0,8	-15,0
Plate	StB		A7	14	18	5,0	3,5	30,0	5,2	5,4													5,3	-0,3	-6,0
Plate	PS		A8	10	14	5,0	3,5	30,0	5,5	5,7													5,6	-0,6	-12,0
Plate	StB		A8	10	14	5,0	3,5	30,0	5,6	5,9													5,8	-0,8	-15,0
Plate	PS		A9	4	10	5,0	3,5	30,0	5,9	5,5													5,7	-0,7	-14,0
Plate	StB		A9	4	10	5,0	3,5	30,0	5,6	5,9													5,8	-0,8	-15,0
Plate	PS		A10	0	4	5,0	3,5	30,0	5,7	5,7													5,7	-0,7	-14,0
Plate	StB		A10	0	4	5,0	3,5	30,0	5,2	5,1													5,2	-0,2	-3,0
Plate	PS		A11	-2	5	5,0	3,5	30,0	5,6	5,9													5,8	-0,8	-15,0
Plate	StB		A11	-2	5	5,0	3,5	30,0	5,2	5,2													5,2	-0,2	-4,0
Plate	PS		A12	-1	5	5,0	3,5	30,0	5,1	5,2													5,2	-0,2	-3,0
Plate	StB		A12	-1	5	5,0	3,5	30,0	5,4	5,4													5,4	-0,4	-8,0
Plate	PS		A13	-3	-2	5,0	3,5	30,0	5,3	5,2													5,3	-0,3	-5,0
Plate	StB		A13	-3	-2	5,0	3,5	30,0	5,3	5,2													5,3	-0,3	-5,0

Operator's signature :

Legend:

Below class min

Substantial corr



Report on thickness measurements of all shell, deck plating , structuralal members

Ship's name

NEPTUNS

Reg. No

0

Report Number:

MT-50-21

1	Structure : Side shell																								
Structural member	Side	No of member, strake	No item	Initial frame	End frame	Original thickness So,	Allowable residual th-s [S1],	Max. allow.demination %	Remaining thickness gauged Si,												Average values				
																					Residual thickness S1,	Demination			
																						absolute	relative		
2	3	4	5	6	7	8	9	10	11												12	13	14		
Plate	PS	B8		0	5	10,0	7,0	30,0	9,9	9,7	9,8												9,8	0,2	2,0
Plate	StB	B8		0	5	10,0	7,0	30,0	9,6	9,4	9,2												9,4	0,6	6,0
Plate	PS	C1		44	47	6,0	4,2	30,0	5,2	5,0	5,5												5,2	0,8	12,8
Plate	StB	C1		44	47	6,0	4,2	30,0	5,4	5,8	5,0	5,1											5,3	0,7	11,3
Plate	PS	C2		43	45	5,0	3,5	30,0	4,8	4,7													4,8	0,3	5,0
Plate	StB	C2		43	45	5,0	3,5	30,0	4,4	4,6													4,5	0,5	10,0
Plate	PS	C5		24	32	7,0	4,9	30,0	6,7	6,3	6,2	6,4											6,4	0,6	8,6
Plate	StB	C5		34	32	7,0	4,9	30,0	6,2	6,4	6,3	6,3											6,3	0,7	10,0
Plate	PS	C6		14	24	7,0	4,9	30,0	7,8	8,0	8,0												7,9	-0,9	-13,3
Plate	StB	C6		14	24	7,0	4,9	30,0	7,8	7,7	7,9	8,0											7,9	-0,9	-12,1
Plate	PS	D1		30	32	8,0	5,6	30,0	7,6	7,8													7,7	0,3	3,8
Plate	StB	D1		30	32	8,0	5,6	30,0	7,3	7,2													7,3	0,8	9,4
Plate	PS	D2		26	30	8,0	5,6	30,0	7,9	7,5													7,7	0,3	3,8
Plate	StB	D2		26	30	8,0	5,6	30,0	7,4	7,5	7,2												7,4	0,6	7,9
Operator's signature :																					Legend:		Below class min	Substantial corr	



Report on thickness measurements of all shell, deck plating , structuralal members

Ship's name

NEPTUNS

Reg. No

0

Report Number:

MT-50-21

1	Structure : Side shell																								
Structural member	Side	No of member, strake	No item	Initial frame	End frame	Original thickness So,	Allowable residual th-s [S1],	Max. allow.demintion %	Remaining thickness gauged Si,												Average values				
																					Residual thickness S1,	Demintion			
																						absolute	relative		
2	3	4	5	6	7	8	9	10	11											12	13	14			
Plate	PS	D3		24	26	8,0	5,6	30,0	7,7	7,8													7,8	0,3	3,1
Plate	StB	D3		24	26	8,0	5,6	30,0	7,4	7,6	7,4												7,5	0,5	6,7
Plate	PS	D4		20	24	8,0	5,6	30,0	7,8	7,6													7,7	0,3	3,8
Plate	StB	D4		20	24	8,0	5,6	30,0	7,6	7,5	7,4												7,5	0,5	6,3
Plate	PS	D5		17	20	8,0	5,6	30,0	7,9	7,9													7,9	0,1	1,3
Plate	StB	D5		17	20	8,0	5,6	30,0	7,5	7,3	7,3												7,4	0,6	7,9
Plate	PS	D6		14	17	8,0	5,6	30,0	7,5	7,6													7,6	0,5	5,6
Plate	StB	D6		14	17	8,0	5,6	30,0	7,3	7,5	7,6												7,5	0,5	6,7
Plate	PS	D7		9	14	10,0	7,0	30,0	9,7	9,4	9,5												9,5	0,5	4,7
Plate	StB	D7		9	14	10,0	7,0	30,0	9,7	9,5	9,3												9,5	0,5	5,0
Plate	PS	D8		6	9	9,0	6,3	30,0	8,5	8,3													8,4	0,6	6,7
Plate	StB	D8		6	9	9,0	6,3	30,0	9,8	9,7													9,8	-0,8	-8,3
Plate	PS	D9		0	5	10,0	7,0	30,0	9,2	9,4													9,3	0,7	7,0
Plate	StB	D9		0	5	10,0	7,0	30,0	8,7	9,4	9,2												9,1	0,9	9,0
Plate	PS	E1		43	44	6,0	4,2	30,0	5,5	5,5													5,5	0,5	8,3
Plate	StB	E1		43	44	6,0	4,2	30,0	5,7	5,3													5,5	0,5	8,3
Plate	PS	E2		39	43	6,0	4,2	30,0	5,2	5,4	5,5												5,4	0,6	10,6
Plate	StB	E2		39	43	6,0	4,2	30,0	5,3	5,2	5,4												5,3	0,7	11,7
Plate	PS	E3		33	39	6,0	4,2	30,0	5,1	5,2	5,4												5,2	0,8	12,8
Plate	StB	E3		33	39	6,0	4,2	30,0	5,4	5,2	5,7												5,4	0,6	9,4
Plate	PS	E4		29	33	6,0	4,2	30,0	5,7	5,4	5,7												5,6	0,4	6,7
Plate	StB	E4		29	33	6,0	4,2	30,0	5,7	5,2	5,4												5,4	0,6	9,4

Operator's signature : 

Legend:
Below class min
Substantial corr



Report on thickness measurements of all shell, deck plating , structuralal members

Ship's name

NEPTUNS

Reg. No

0

Report Number:

MT-50-21

1	Structure : Side shell																								
Structural member	Side	No of member, strake	No item	Initial frame	End frame	Original thickness So,	Allowable residual th-s [S1],	Max. allow.deminution %	Remaining thickness gauged Si,												Average values				
																					Residual thickness S1,	Deminution			
																						absolute	relative		
2	3	4	5	6	7	8	9	10	11												12	13	14		
Plate	PS	E5-1		24	29	6,0	4,2	30,0	5,5	5,4	5,0	5,5											5,3	0,7	11,7
Plate	StB	E5-1		24	29	6,0	4,2	30,0	5,8	5,5													5,7	0,4	5,8
Plate	PS	E5-2		18	24	6,0	4,2	30,0	5,9	5,9	6,0												5,9	0,1	1,1
Plate	StB	E5-2		18	24	6,0	4,2	30,0	6,0	5,9													6,0	0,0	0,8
Plate	PS	E6		13	18	6,0	4,2	30,0	5,9	5,9	5,9												5,9	0,1	1,7
Plate	StB	E6		13	18	6,0	4,2	30,0	5,5	5,7	5,4												5,5	0,5	7,8
Plate	PS	E7		5	13	9,0	6,3	30,0	8,4	8,0	8,3	8,3											8,3	0,8	8,3
Plate	StB	E7		5	13	9,0	6,3	30,0	9,4	9,7	9,5												9,5	-0,5	-5,9
Plate	PS	E8		0	5	6,0	4,2	30,0	5,5	5,2	5,4												5,4	0,6	10,6
Plate	StB	E8		0	5	6,0	4,2	30,0	5,0	5,2	5,3	5,4											5,2	0,8	12,9
Operator's signature :																					Legend:		Below class min		
																							Substantial corr		



Report on thickness measurements of all shell, deck plating , structuralal members

Ship's name

NEPTUNS

IMO No

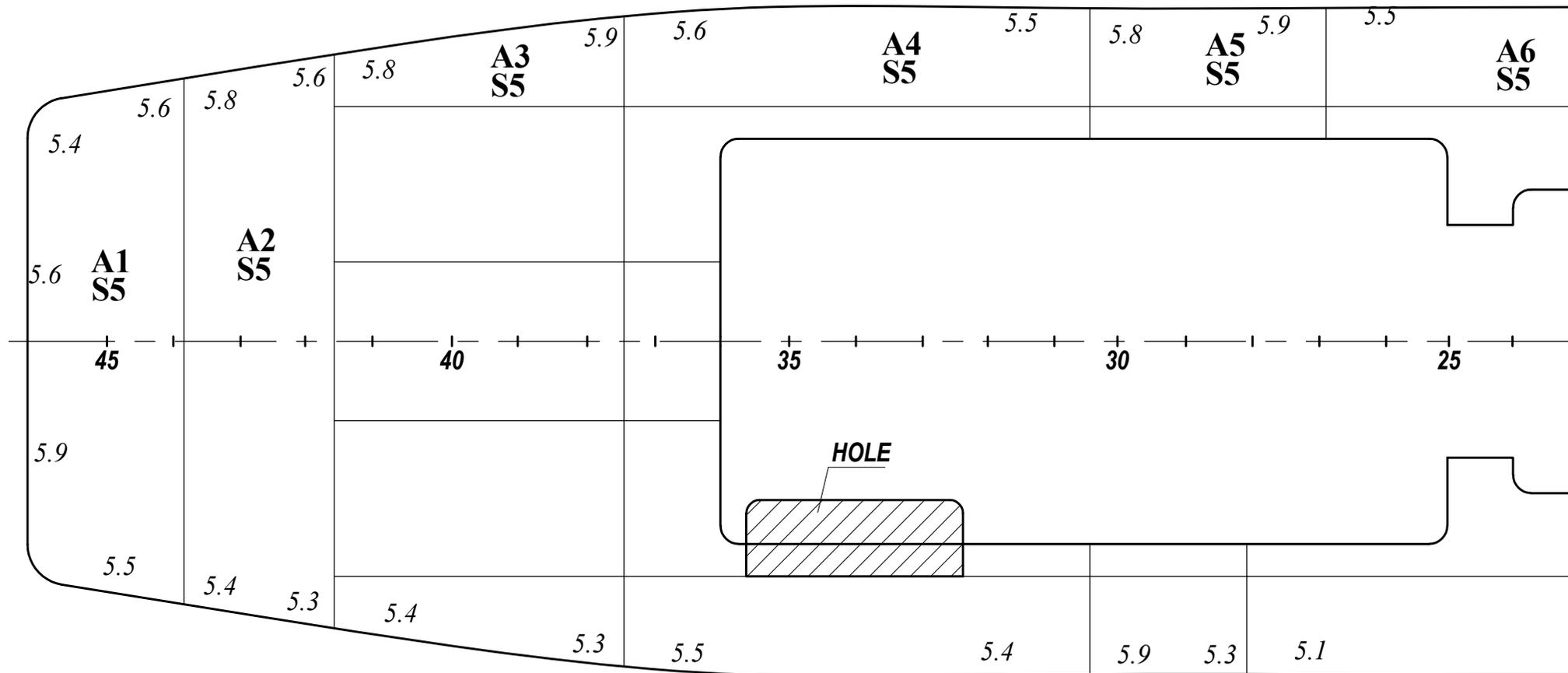
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Report Number:

MT-50-21

1	Structure : Boat deck													Average values											
Structural member	Side	No of member, strake	No item	Initial frame	End frame	Original thickness So,	Allowable residual th-s [S1],	Max. allow.demintion %	Remaining thickness gauged Si,											Residual thickness S1,	Demintion				
																					absolute	relative			
																							%		
2	3	4	5	6	7	8	9	10	11											12	13	14			
Plate	PS		A1	34	36	4,0	2,8	30,0	3,7	3,9													3,8	0,2	5,0
Plate	StB		A1	34	36	4,0	2,8	30,0	3,6	3,9													3,8	0,3	6,3
Plate	PS		A2	32	34	4,0	2,8	30,0	3,7	3,7													3,7	0,3	7,5
Plate	StB		A2	32	34	4,0	2,8	30,0	3,9	3,7													3,8	0,2	5,0
Plate	PS		A3	31	32	6,0	4,2	30,0	5,7	6,0													5,9	0,2	2,5
Plate	StB		A3	31	32	6,0	4,2	30,0	5,8	5,8													5,8	0,2	3,3
Plate	PS		A4	29	31	6,0	4,2	30,0	5,8	5,8													5,8	0,2	3,3
Plate	StB		A4	29	31	6,0	4,2	30,0	5,8	5,8													5,8	0,2	3,3
Plate	PS		A5	27	29	4,0	2,8	30,0	3,5	3,6													3,6	0,5	11,3
Plate	StB		A5	27	29	4,0	2,8	30,0	3,8	3,7													3,8	0,3	6,3
Plate	PS		A6	25	27	4,0	2,8	30,0	3,4	3,5													3,5	0,6	13,8
Plate	StB		A6	25	27	4,0	2,8	30,0	3,8	3,7													3,8	0,3	6,3
Plate	PS		A7	22	25	4,0	2,8	30,0	3,7	3,7													3,7	0,3	7,5
Plate	StB		A7	22	25	4,0	2,8	30,0	3,9	3,9													3,9	0,1	2,5
Plate	PS		A8	20	25	4,0	2,8	30,0	3,6	3,8													3,7	0,3	7,5
Plate	StB		A8	20	25	4,0	2,8	30,0	3,9	3,8													3,9	0,2	3,8
Plate	PS		A9	20	22	4,0	2,8	30,0	3,7	3,8													3,8	0,3	6,3
Plate	StB		A9	20	22	4,0	2,8	30,0	3,7	3,9													3,8	0,2	5,0
Plate	PS		A10	19	20	4,0	3,8	3,9	3,9	3,9													3,9	0,1	2,5
Plate	StB		A10	19	20	4,0	2,8	30,0	3,5	3,6													3,6	0,5	11,3
Operator's signature :																				Legend:		Below class min	Substantial corr		

MAIN DECK

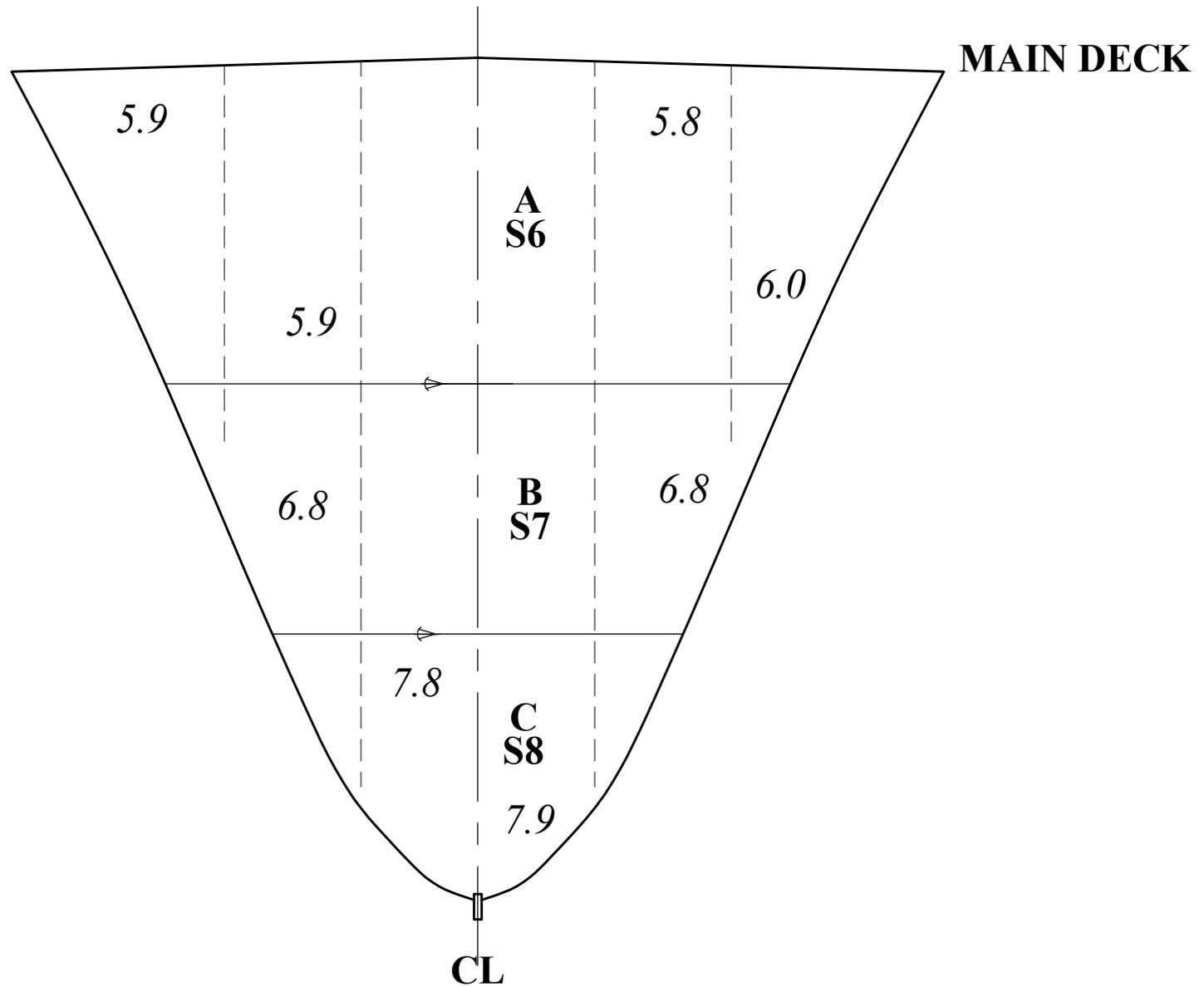


 **RENEW**

BHD fr. 5

PS

STB

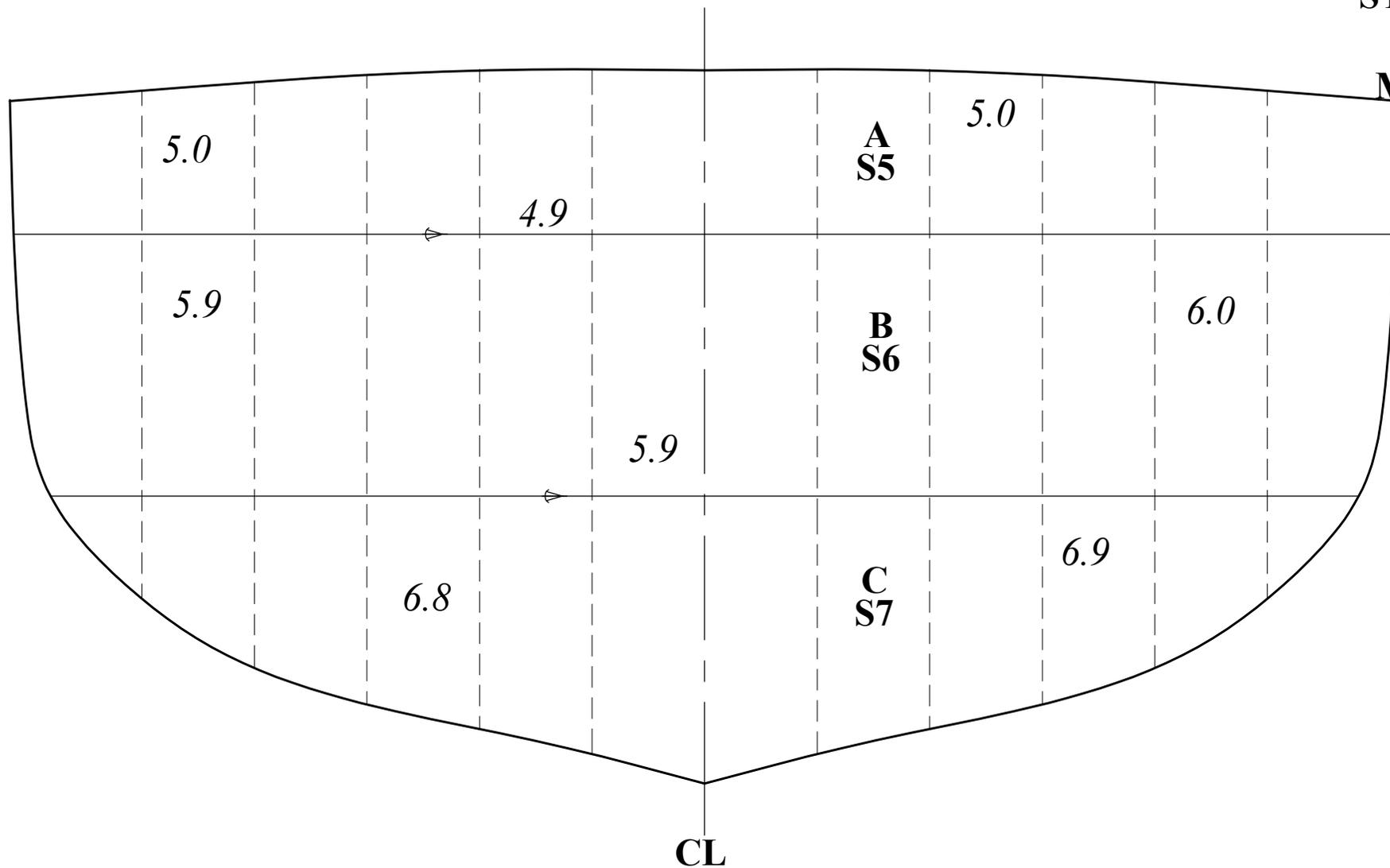


BHD fr. 14

PS

STB

MAIN DECK

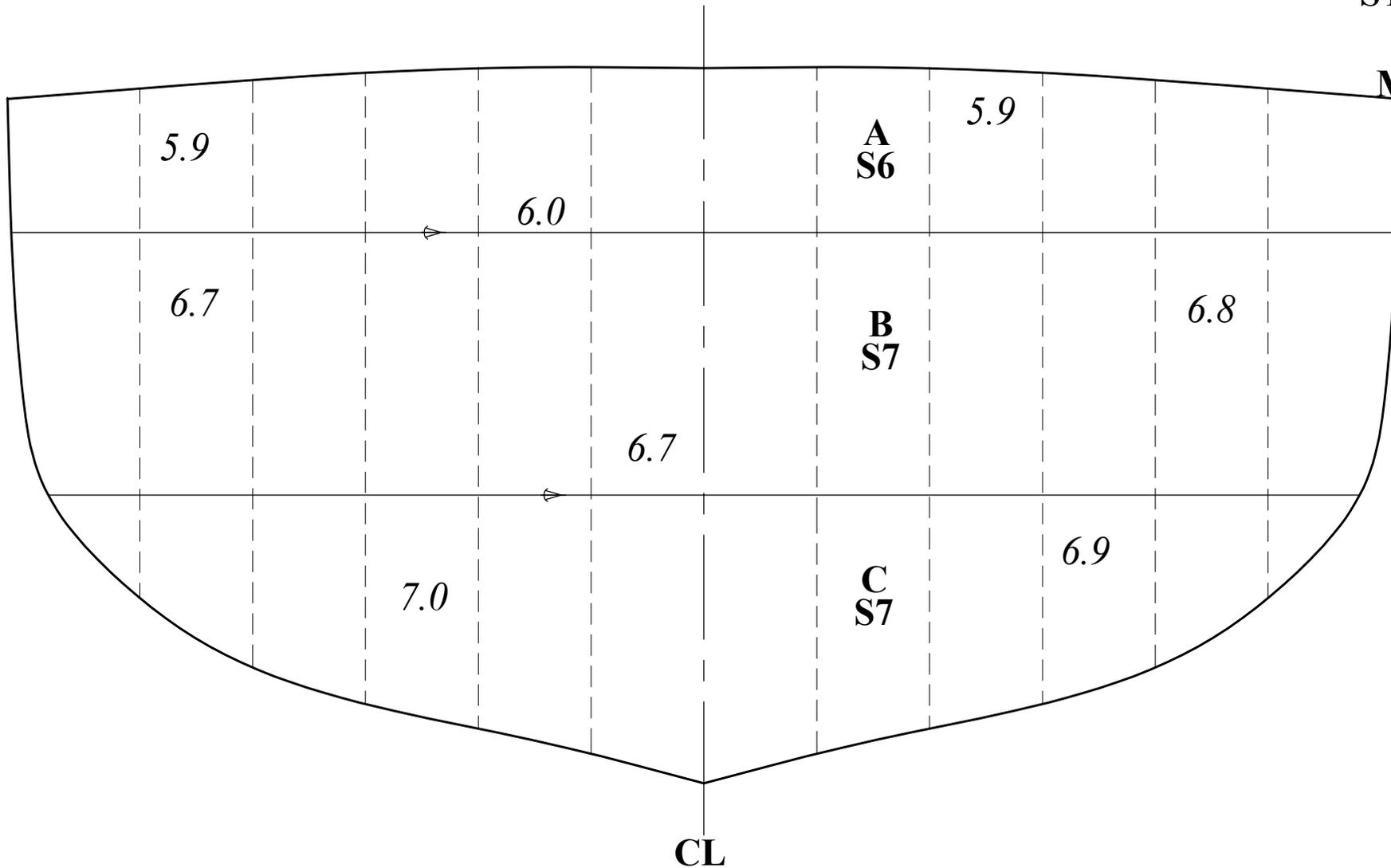


BHD fr. 23

PS

STB

MAIN DECK



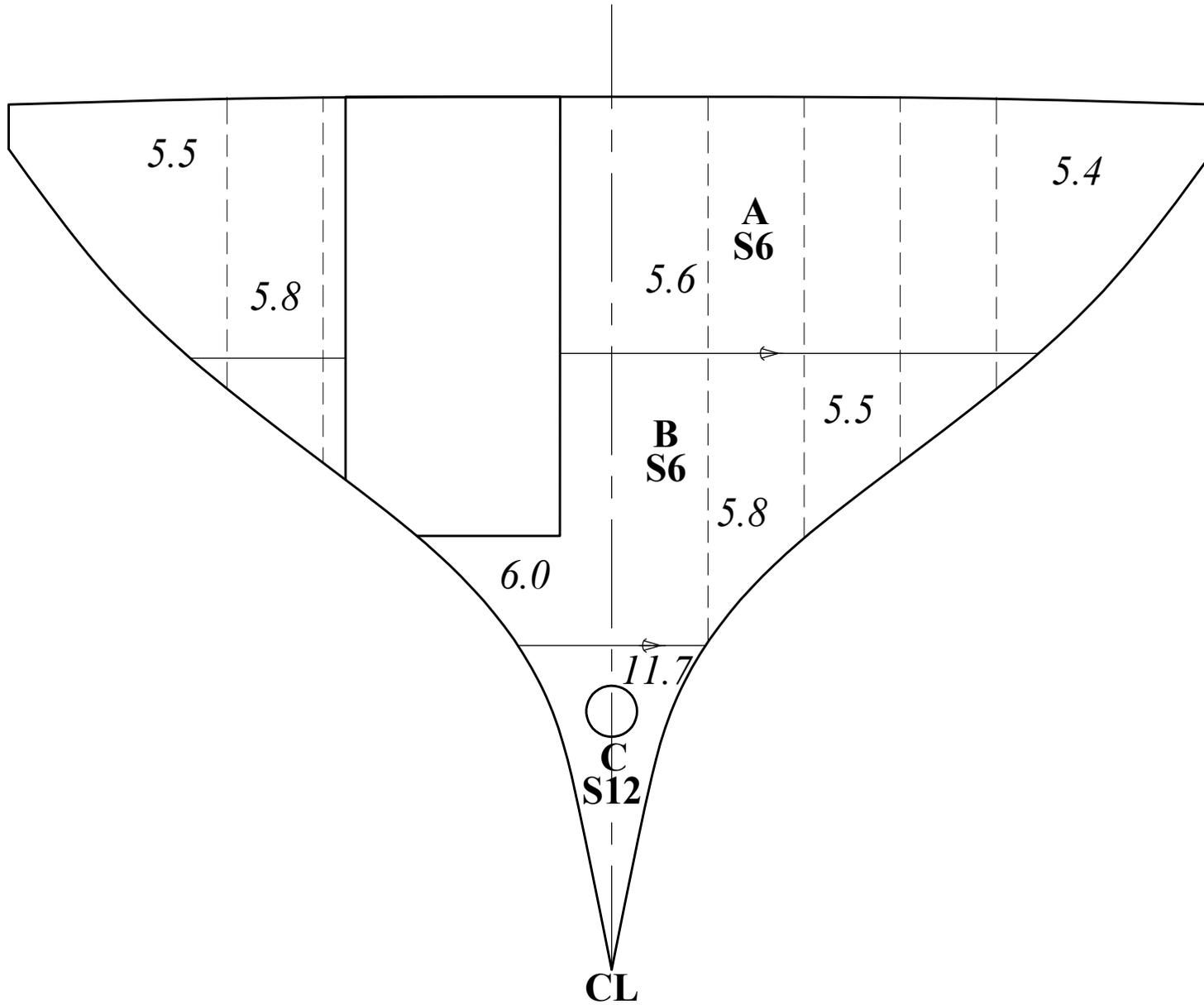
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BHD fr. 39

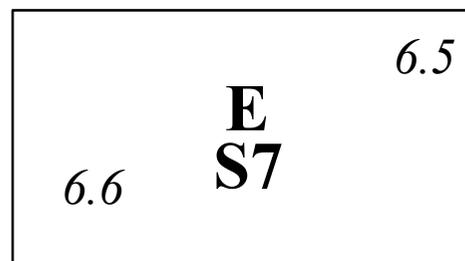
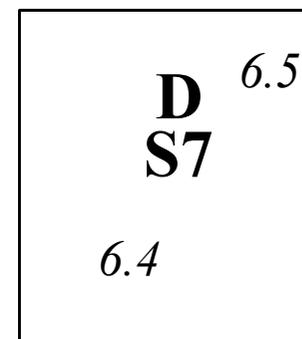
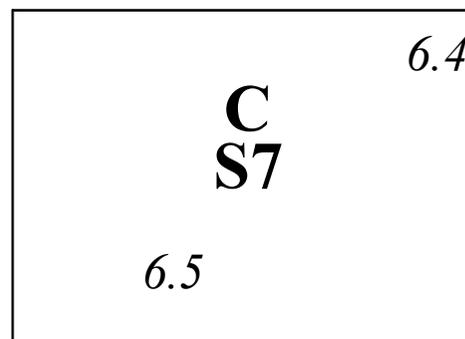
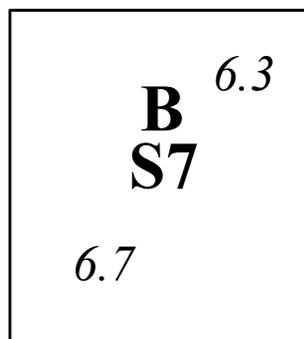
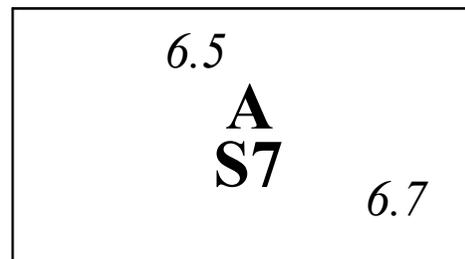
PS

STB

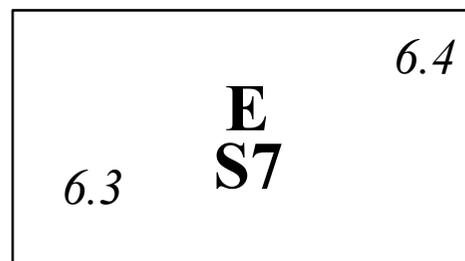
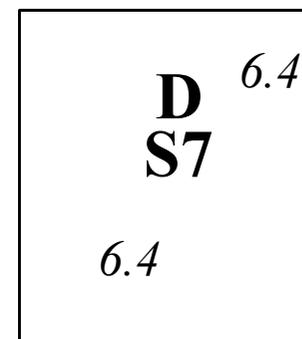
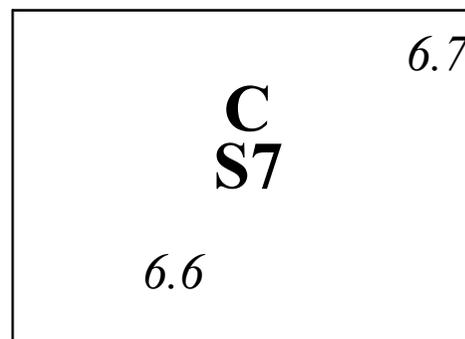
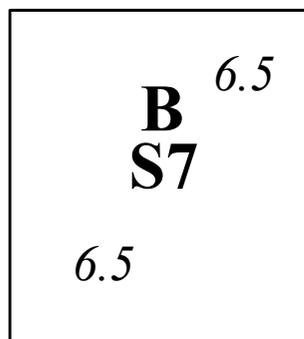
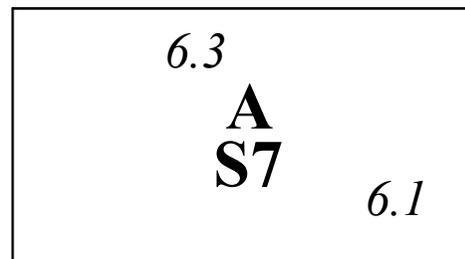
MAIN DECK



SEA CHEST PS

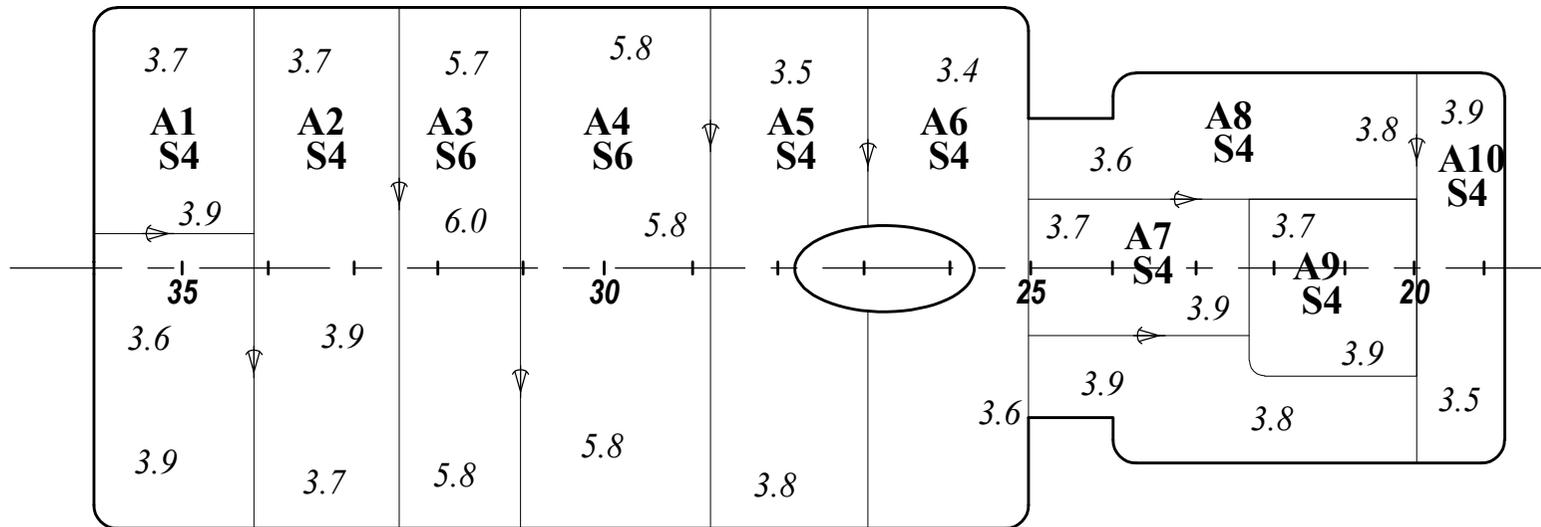


SEA CHEST StB



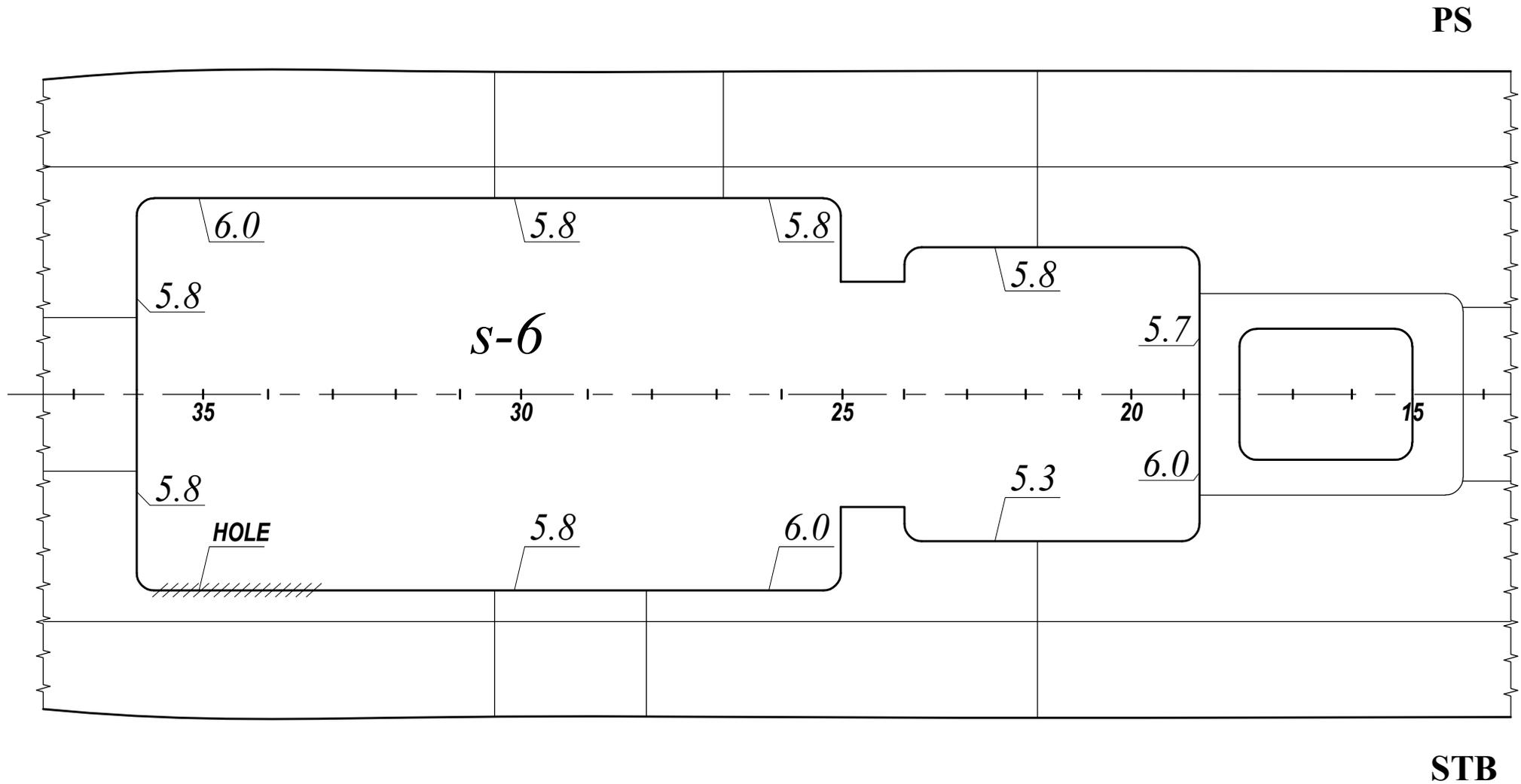
BOAT DECK

PS



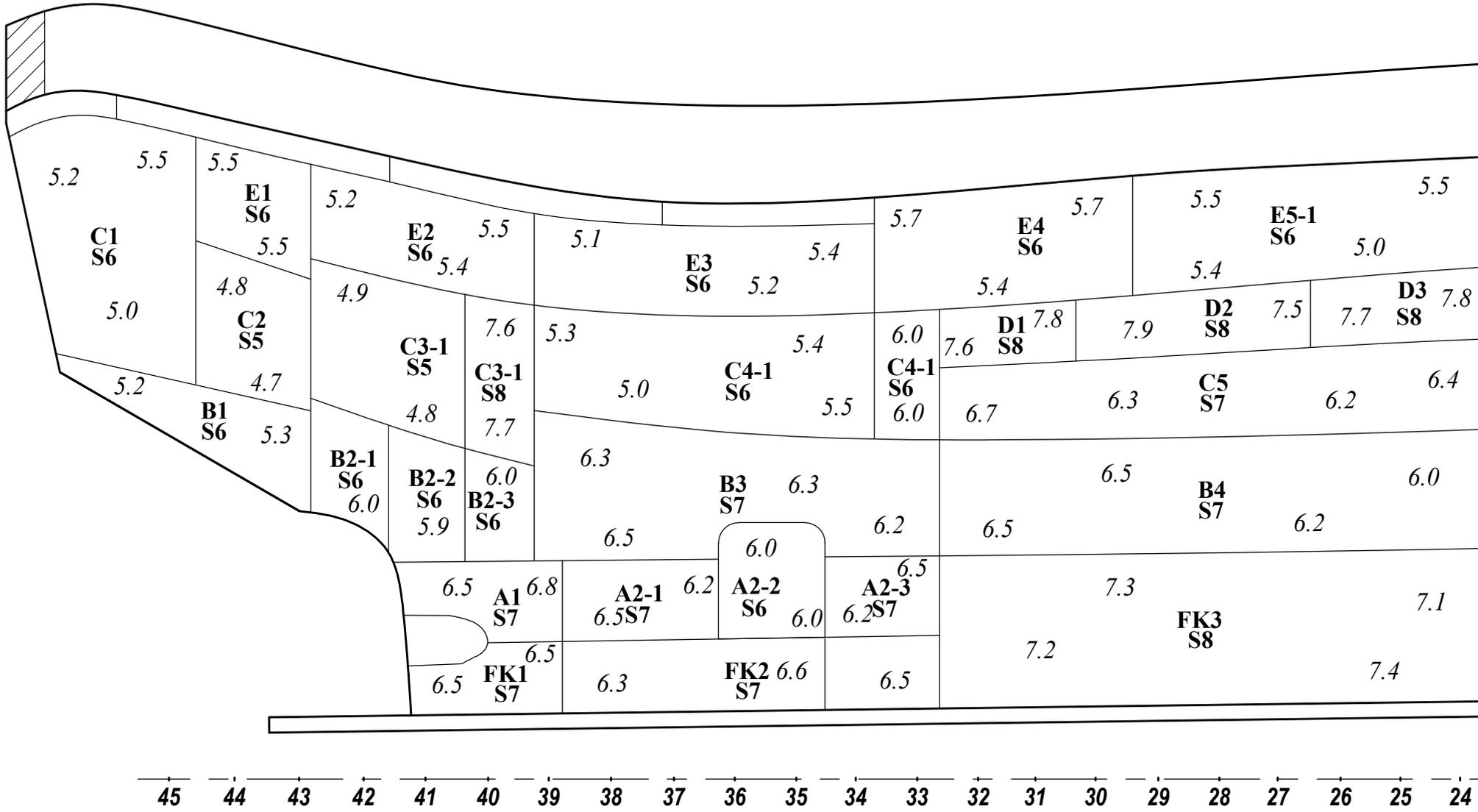
STB

LOWER STRAKES OF SUPERSTRUCTURE



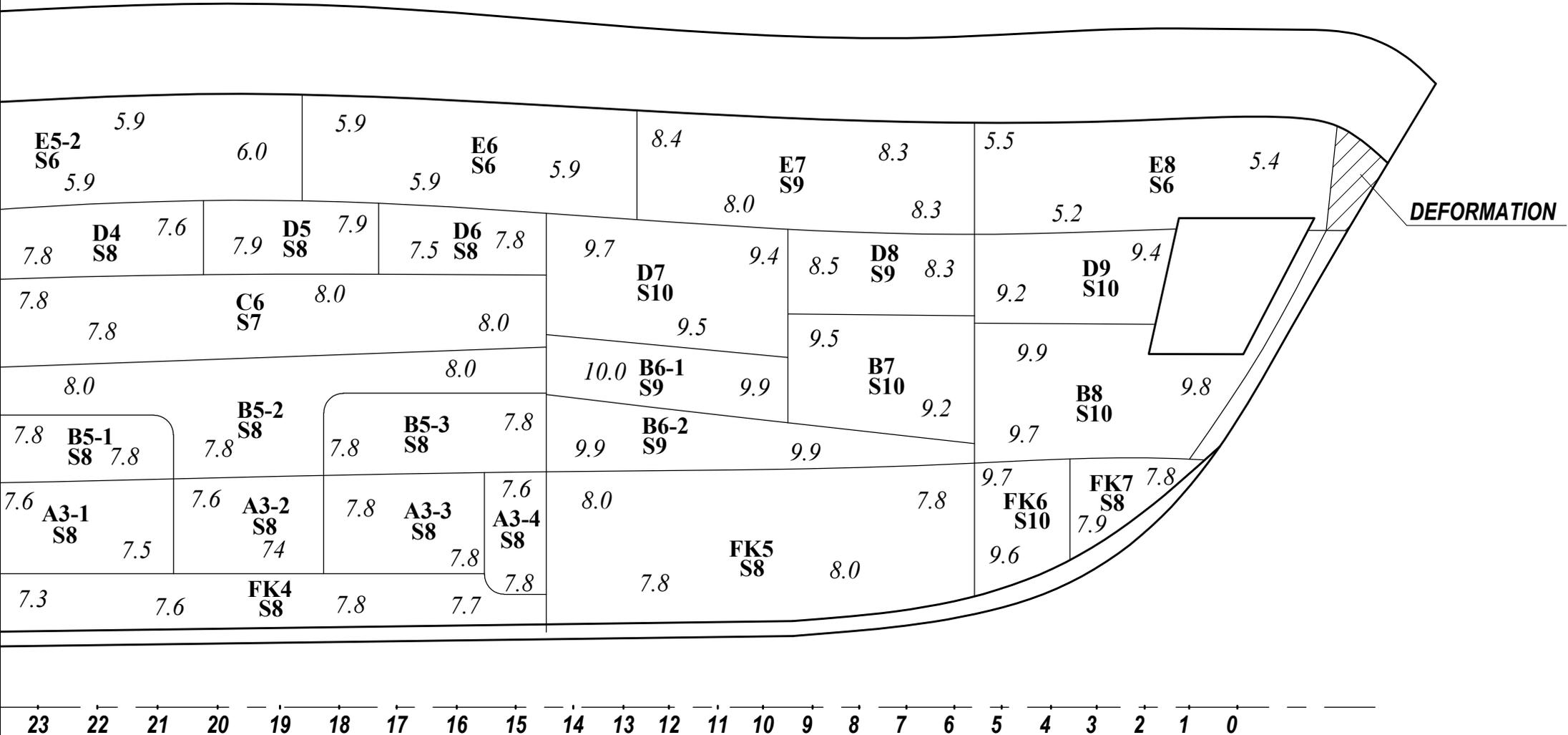
 **RENEW**

SHELL PLATING PS



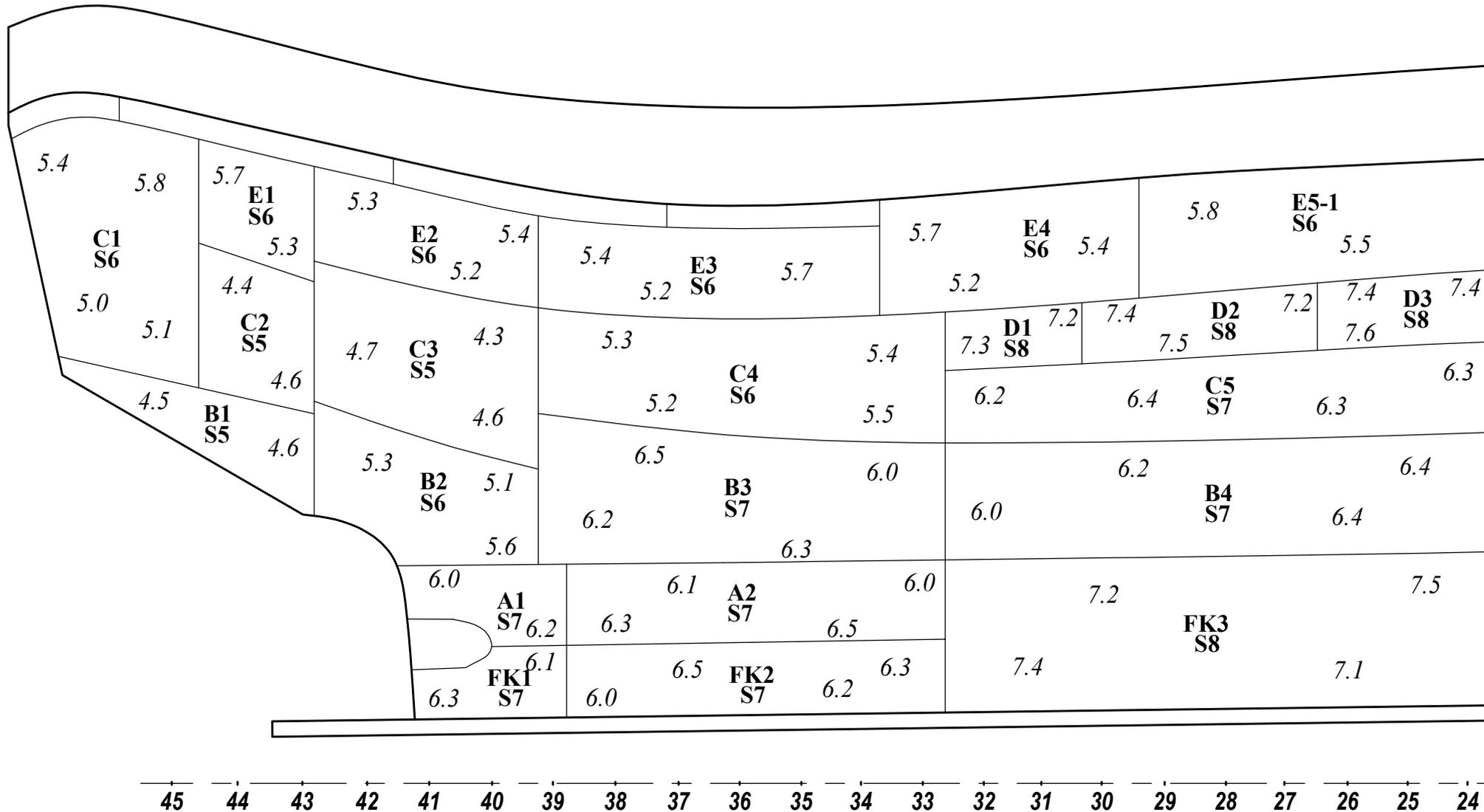
 RENEW

SHELL PLATING PS



 RENEW

SHELL PLATING STB

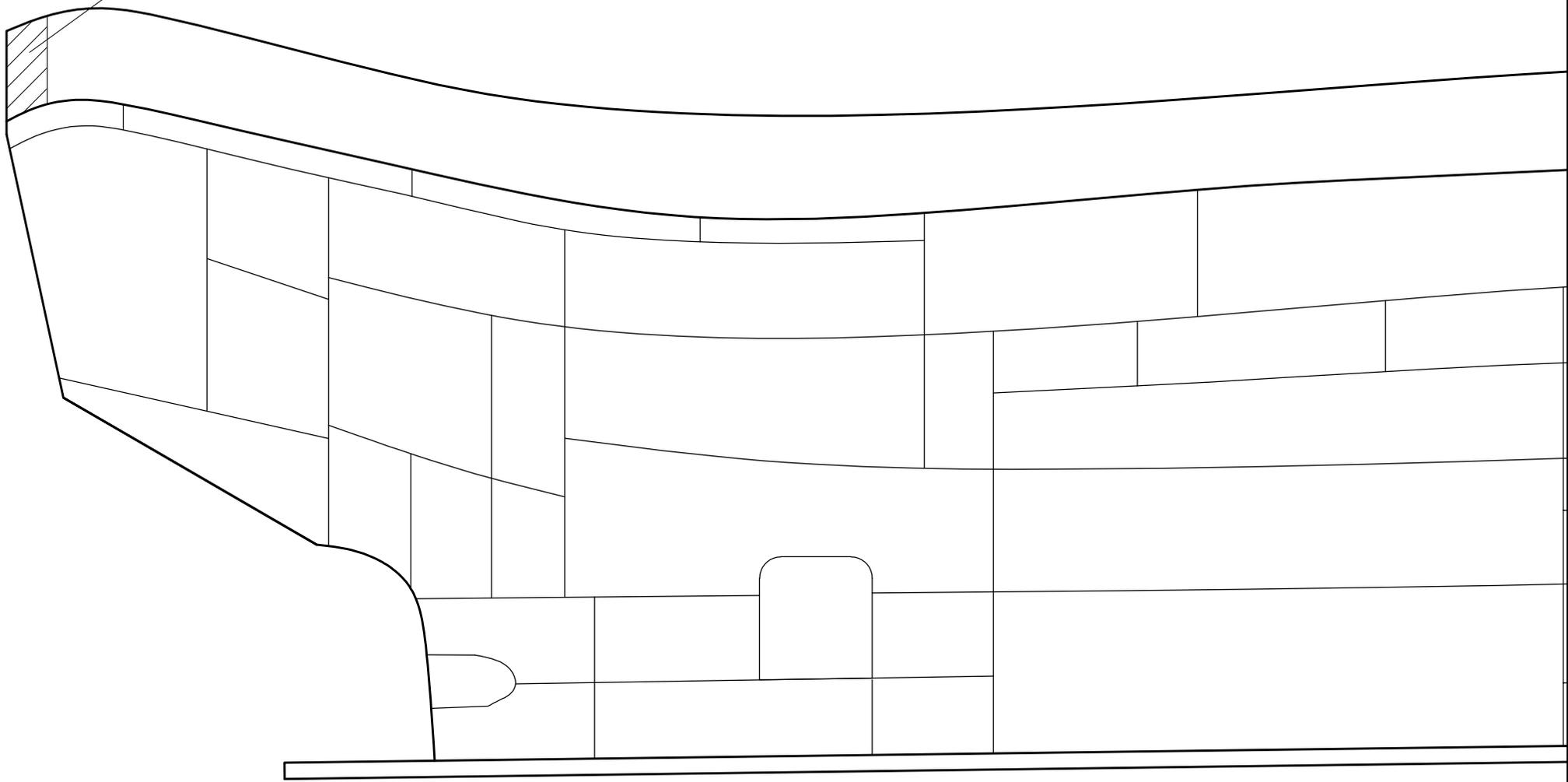


 RENEW

Repair works

SHELL PLATING PS

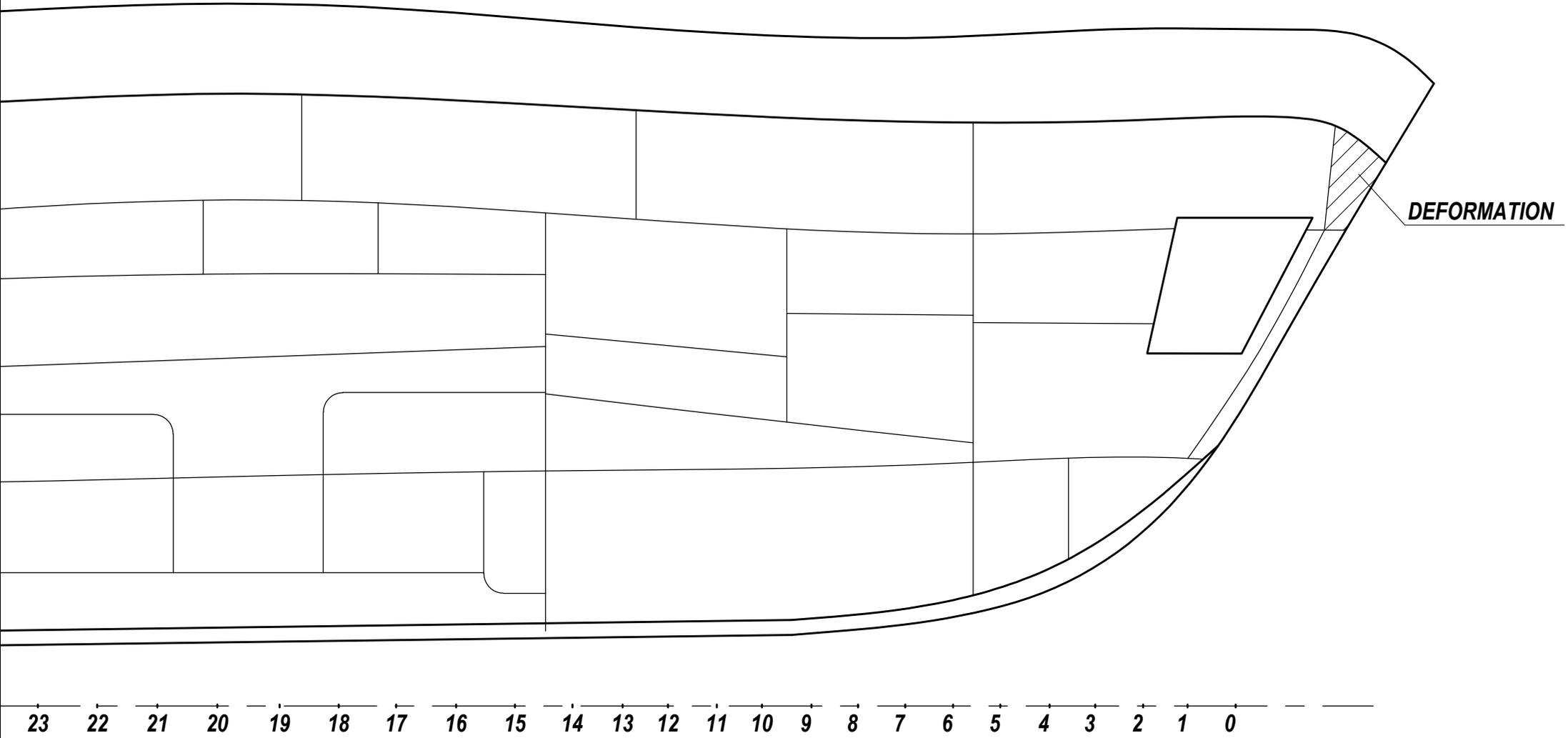
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 **RENEW**

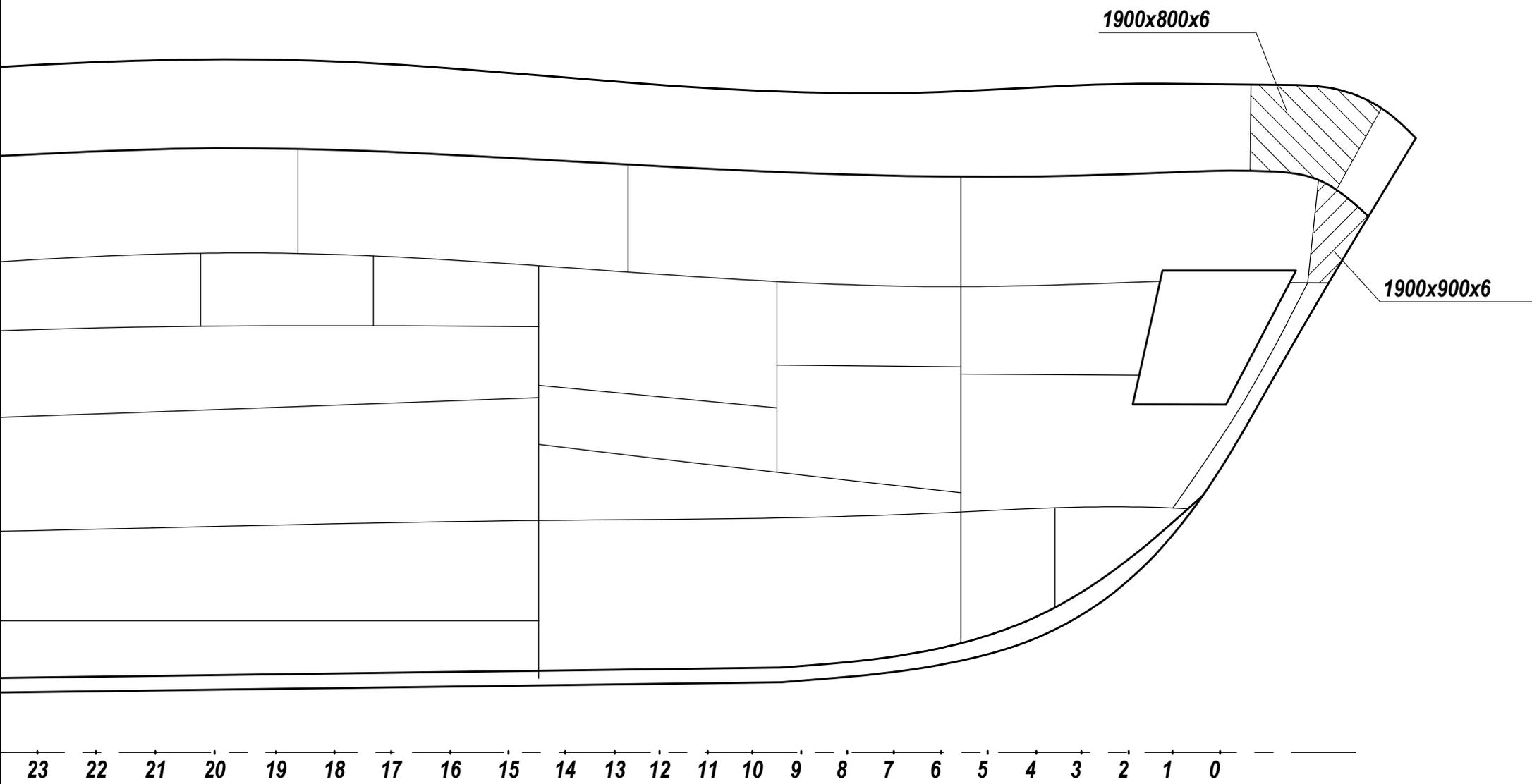
SHELL PLATING PS



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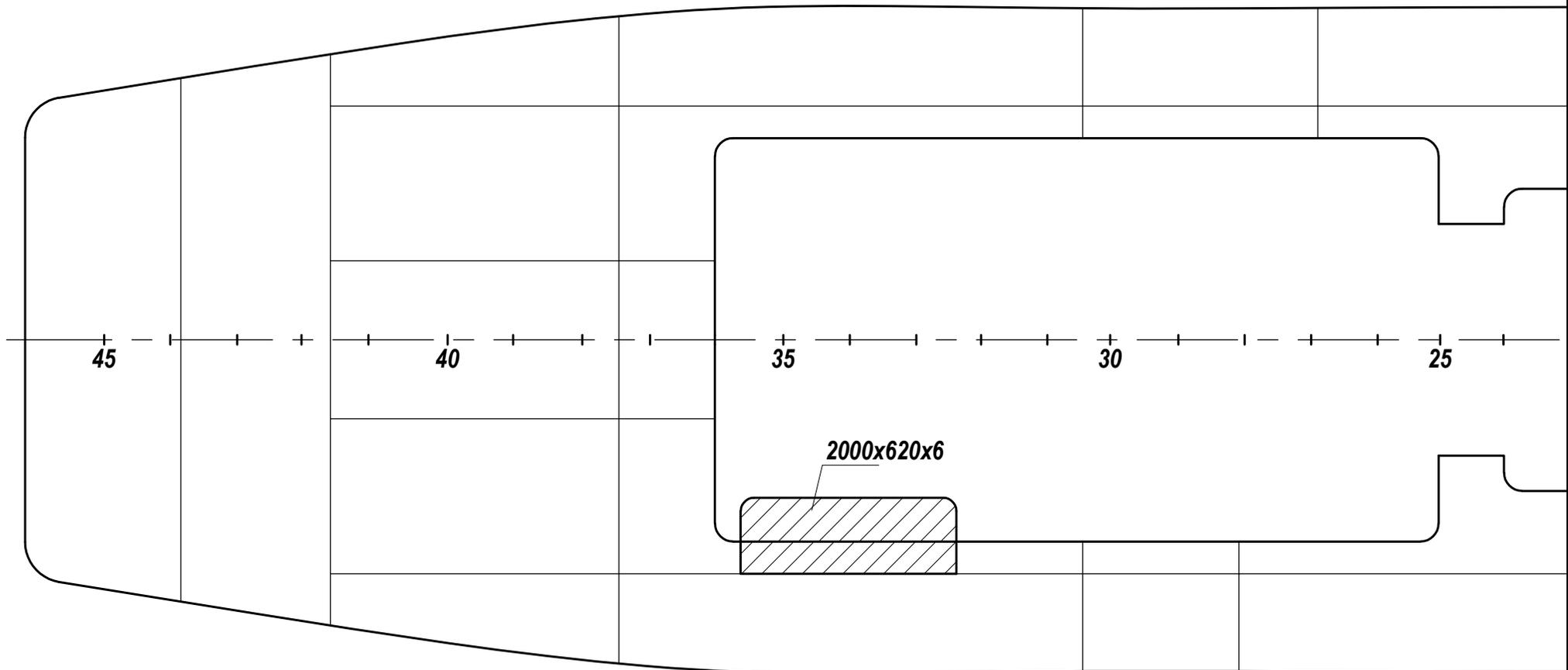
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SHELL PLATING STB



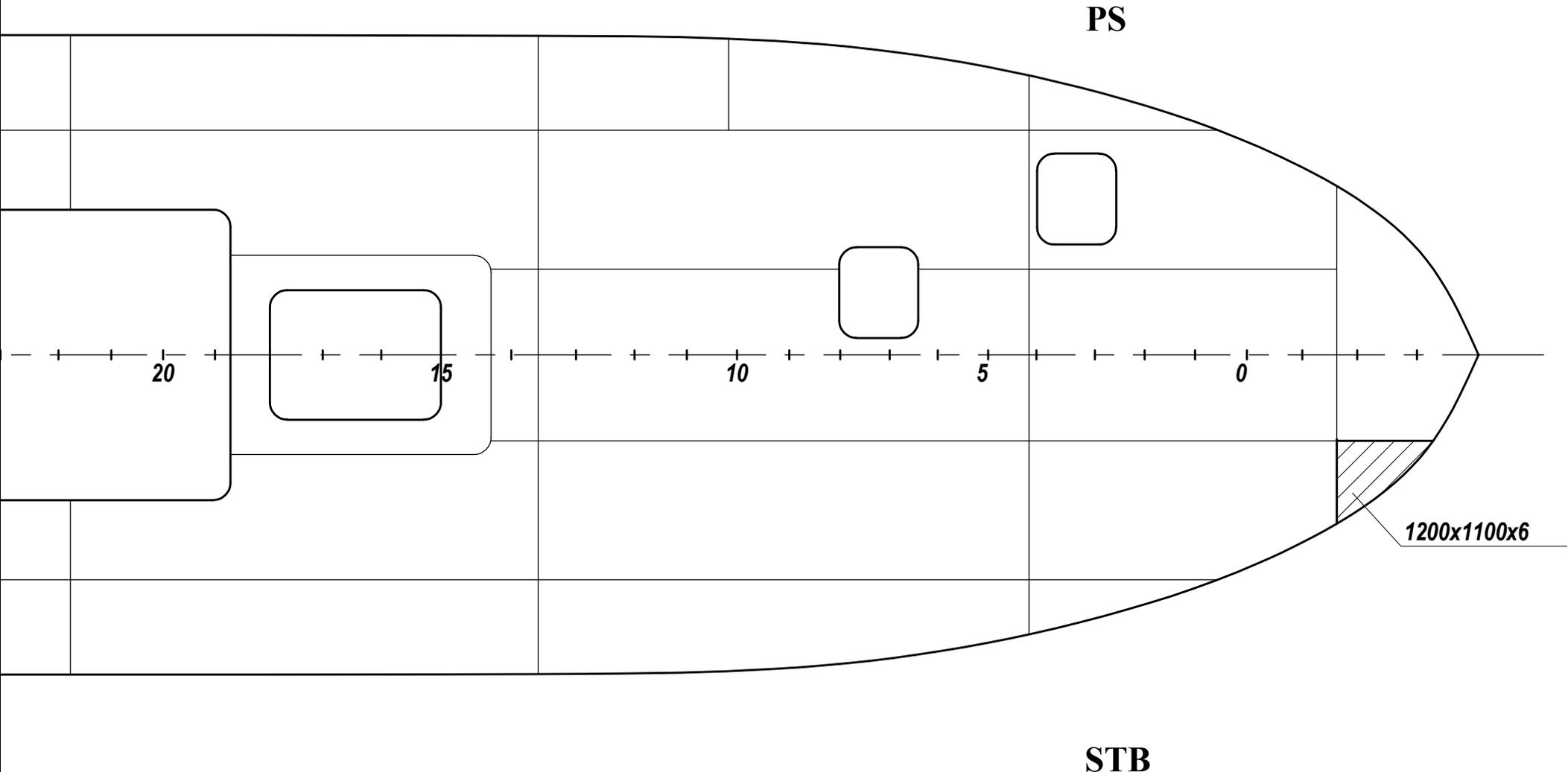
 **RENEW**

MAIN DECK



 **RENEW**

MAIN DECK



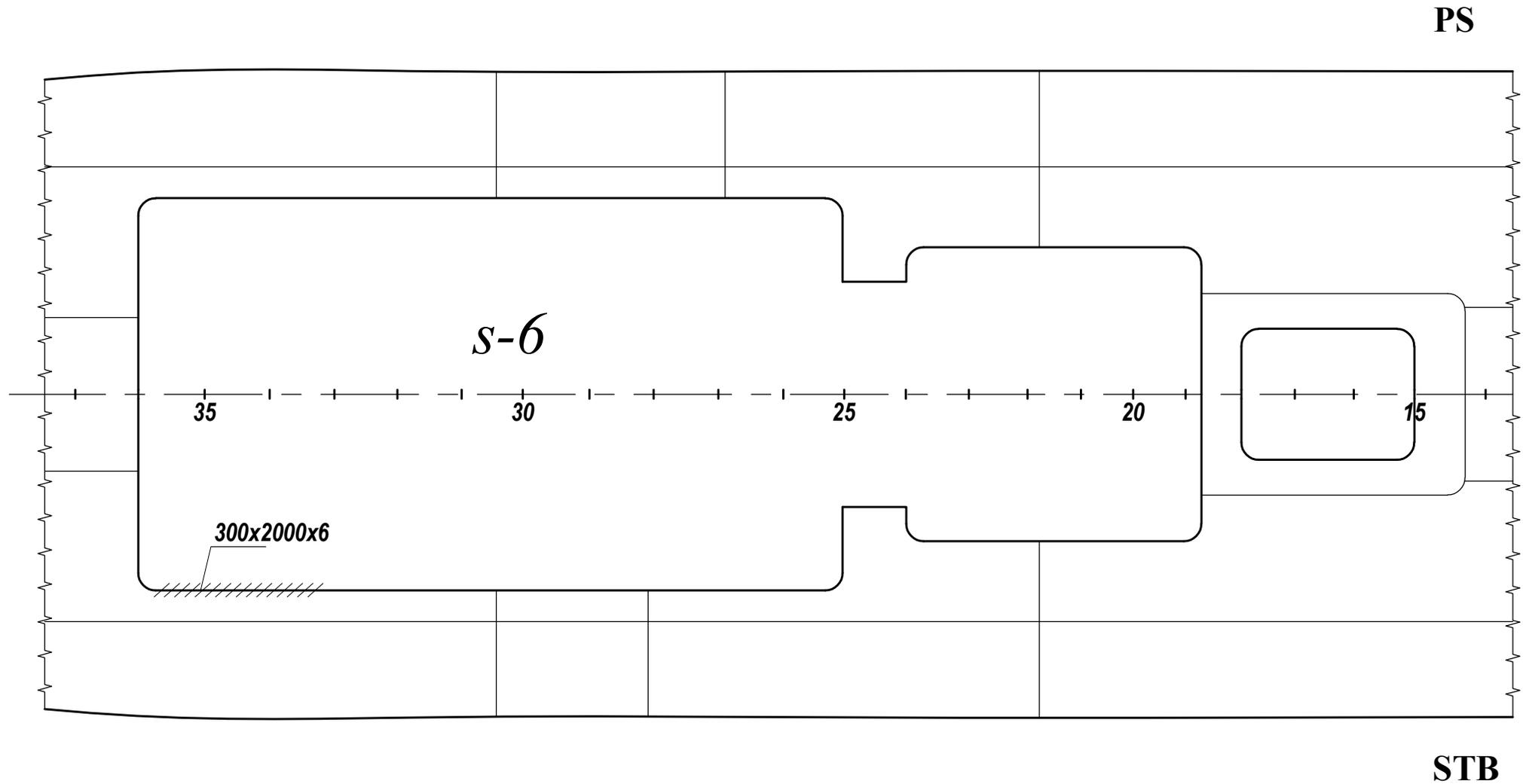
PS

STB

1200x1100x6

 **RENEW**

LOWER STRAKES OF SUPERSTRUCTURE



 **RENEW**