

THICKNESS MEASUREMENT REPORT GENERAL PARTICULARS

Ship's name: *SKAUTS*

IMO number:

Class identity number:

Port of registry:

Gross tons:

Deadweight:

Date of build:

Classification society: *Latvijas Jūras Administrācija*

Name of firm performing thickness measurement: *MTSL, SIA*

Thickness measurement firm certified by: *Latvijas Jūras Administrācija*

Approval No.: *18.0091.06*

Approval is valid until *18.05.2023*

Place of measurement: *Ventspils*

First date of measurement: *27.08.2020*

Last date of measurement: *27.08.2020*

Special survey / intermediate / other survey due: *Special*

Details of measurement equipment: *CYGNUS 4+*

Qualification of operators: *Naval Architect, UT- LEVEL II*

Report Number: *MT-61-20*

Name of operators: *Romans Prala* Name of surveyor: *Andrejs Tirmanis*

Signature of operators:

Signature of surveyor:

Company official stamp:



Classification Society

Official Stamp:



**LATVIJAS JŪRAS ADMINISTRĀCIJAS
KUĢOŠANAS 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

Pilnvarotais 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



[Signature]
(signature)

V.Rodionova
(N.S.)

KALIBREERIMISTUNNISTUS

Calibration Certificate

No. 1-3/20u

Klient
Customer

SIA MTSL.

Aadress
Address

Bauskas 22, Riga, Latvia, Lv 1004.

Mõõtevahend
Measuring instrument

ultrasonic thickness gauges, transducer TSB, 5.0 MHz, 8 mm, No. 20656C.

Tüüp
Type

CYGNUS 4 Plus GP.

Number
Serial number

21284.

Kalibreeritud
Date of calibration

3.3.2020.

Järgmine kalibreerimine
Valid till

3.3.2021.

Lehti 2
Number of pages

J. Kargu
Juri Kargu

Mõõtmiste eest vastutav isik:
*The person responsible for
the measurements*

J. Kargu
Juri Kargu

Kalibreeris:
Calibrated by

1. Kalibreerimisvahendid. *Calibration equipment.* Measure length KMT 176M-1. No.131

2. Jälgitavus. *Traceability.*

Working standards ELME TKS are calibrated in laboratory METROSERT.

3. Kalibreerimisjuhend, -metoodika, - meetod. *Calibration instruction or, -method*
EN 15317-2013, method comparison

Tulemused. Results.

Tabel 1

The table

Block Serial No.	Block Thickness (mm)	Measured Thickness (mm)	Acceptance Limits $\pm$ mm	Result (Pass/ Fail)
3-N131-40X3	3.018	3.00	0.1	Pass
25-N131-40X3	25.011	25.05	0.1	Pass
50-N131-40X3	50.001	49.89	0.1	Pass
75-N131-40X3	74.998	75.10	0.1	Pass
100-N131-40X3	100.004	99.96	0.1	Pass

Velocity of Sound 5918 m/s.

Material steel

4. Keskkonna parameetrid mõõtmiste ajal. *Environmental conditions*

Temperatuur Temperature: 20,0 °C

Õhu niiskus Air humidity 39.7 %

REPORT ON THICKNESS MEASUREMENT OF SHELL PLATING

Ship's Name				SKAUTS				Reg. No.				Report No.				MT-61-20			
STRAKE POSITION		STRAKE "A"																	
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	FORWARD READING						AFT READING						MEAN DIMINU- TION, %		Maximum Allowable Dim., mm		
			GAUGED		DIMINUTION, P		DIMINUTION, S		GAUGED		DIMINUTION, P		DIMINUTION, S						
			PORT	STBD	mm	%	mm	%	PORT	STBD	mm	%	mm	%	PORT	STBD	Dim., mm		
12th forward																			
11th																			
10th																			
9th																			
8th																			
7th																			
6th																			
5th																			
4th																			
3rd																			
2nd																			
1st																			
AMIDSHIPS	A2	8.0	7.7	7.8	0.3	3.8	0.2	2.5	7.7	7.7	0.3	3.8	0.3	3.8	3.8	3.1	2.4		
1st	A1	7.0	6.8	6.7	0.2	2.9	0.3	4.3	6.8	6.6	0.2	2.9	0.4	5.7	2.9	5.0	2.1		
2nd																			
3rd																			
4th																			
5th																			
6th																			
7th																			
8th																			
9th																			
10th																			
11th																			
12th aft																			
Operator's signature: 																Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. For more detailed information see draft report.			

REPORT ON THICKNESS MEASUREMENT OF SHELL PLATING

Ship's Name				SKAUTS				Reg. No.				Report No.				MT-61-20			
STRAKE POSITION		STRAKE 'B'																	
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	FORWARD READING						AFT READING						MEAN DIMINU- TION, %		Maximum Allowable Dim., mm		
			GAUGED		DIMINUTION, P		DIMINUTION, S		GAUGED		DIMINUTION, P		DIMINUTION, S						
			PORT	STBD	mm	%	mm	%	PORT	STBD	mm	%	mm	%	PORT	STBD	Dim., mm		
12th forward																			
11th																			
10th																			
9th																			
8th																			
7th																			
6th																			
5th																			
4th																			
3rd																			
2nd																			
1st	B3	7.0	6.8	6.7	0.2	2.9	0.3	4.3	6.5	6.8	0.5	7.1	0.2	2.9	5.0	3.6	2.1		
AMIDSHIPS	B2	7.0	6.8	6.6	0.2	2.9	0.4	5.7	6.7	6.6	0.3	4.3	0.4	5.7	3.6	5.7	2.1		
1st	B1	12.0	11.5	11.7	0.5	4.2	0.3	2.5	11.5	11.6	0.5	4.2	0.4	3.3	4.2	2.9	3.6		
2nd																			
3rd																			
4th																			
5th																			
6th																			
7th																			
8th																			
9th																			
10th																			
11th																			
12th aft																			
Operator's signature:										Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. Fore more detailed information see draft report.									
																			

REPORT ON THICKNESS MEASUREMENT OF SHELL PLATING

Ship's Name				SKAUTS				Reg. No.				Report No.				MT-61-20			
STRAKE POSITION		STRAKE "C"																	
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	FORWARD READING						AFT READING						MEAN DIMINU- TION, %		Maximum Allowable Dim., mm		
			GAUGED		DIMINUTION, P		DIMINUTION, S		GAUGED		DIMINUTION, P		DIMINUTION, S						
			PORT	STBD	mm	%	mm	%	PORT	STBD	mm	%	mm	%	PORT	STBD	Dim., mm		
12th forward																			
11th																			
10th																			
9th																			
8th																			
7th																			
6th																			
5th																			
4th																			
3rd																			
2nd																			
1st	C2	7.0	6.7	6.5	0.3	4.3	0.5	7.1	6.7	6.2	0.3	4.3	0.8	11.4	4.3	9.3	2.1		
AMIDSHIPS	C1	7.0	6.7	6.8	0.3	4.3	0.2	2.9	6.7	6.8	0.3	4.3	0.2	2.9	4.3	2.9	2.1		
1st																			
2nd																			
3rd																			
4th																			
5th																			
6th																			
7th																			
8th																			
9th																			
10th																			
11th																			
12th aft																			
Operator's signature:										Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. Fore more detailed information see draft report.									
																			

REPORT ON THICKNESS MEASUREMENT OF SHELL PLATING

Ship's Name				SKAUTS				Reg. No.				Report No.				MT-61-20			
STRAKE POSITION		STRAKE "D"																	
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	FORWARD READING						AFT READING						MEAN DIMINU- TION, %		Maximum Allowable Dim., mm		
			GAUGED		DIMINUTION, P		DIMINUTION, S		GAUGED		DIMINUTION, P		DIMINUTION, S						
			PORT	STBD	mm	%	mm	%	PORT	STBD	mm	%	mm	%	PORT	STBD	Dim., mm		
12th forward																			
11th																			
10th																			
9th																			
8th																			
7th																			
6th																			
5th																			
4th																			
3rd																			
2nd																			
1st	D3	7.0	7.0	6.9	0.0	0.0	0.1	1.4	6.9	7.0	0.1	1.4	0.0	0.0	0.7	0.7	2.1		
AMIDSHIPS	D2	7.0	6.0	6.6	1.0	14.3	0.4	5.7	6.7	6.7	0.3	4.3	0.3	4.3	9.3	5.0	2.1		
1st	D1	7.0	6.8	6.8	0.2	2.9	0.2	2.9	6.7	6.7	0.3	4.3	0.3	4.3	3.6	3.6	2.1		
2nd																			
3rd																			
4th																			
5th																			
6th																			
7th																			
8th																			
9th																			
10th																			
11th																			
12th aft																			
Operator's signature:										Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. Fore more detailed information see draft report.									
																			

REPORT ON THICKNESS MEASUREMENT OF MAIN DECK

Ship's Name				SKAUTS				Reg. No.				Report No.				MT-61-20			
STRAKE POSITION		STRAKE "A"																	
PLATE POSITION	NO. OR LETTER	ORG. THK. mm	FORWARD READING						AFT READING						MEAN DIMINU- TION, %		Maximum Allowable Dim., mm		
			GAUGED		DIMINUTION, P		DIMINUTION, S		GAUGED		DIMINUTION, P		DIMINUTION, S						
			PORT	STBD	mm	%	mm	%	PORT	STBD	mm	%	mm	%	PORT	STBD	Dim., mm		
12th forward																			
11th																			
10th																			
9th																			
8th																			
7th																			
6th																			
5th																			
4th																			
3rd																			
2nd																			
1st	A2	6.0	5.9	5.9	0.1	1.7	0.1	1.7	5.9	5.8	0.1	1.7	0.2	3.3	1.7	2.5	1.8		
AMIDSHIPS	A1	6.0	5.8	5.9	0.2	3.3	0.1	1.7	5.9	5.8	0.1	1.7	0.2	3.3	2.5	2.5	1.8		
1st																			
2nd																			
3rd																			
4th																			
5th																			
6th																			
7th																			
8th																			
9th																			
10th																			
11th																			
12th aft																			
Operator's signature:										Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. Fore more detailed information see draft report.									
																			

TM5

REPORT ON THICKNESS MEASUREMENT OF W. T./O. T. TRANSVERSE BULKHEADS

[illegible]

TM5

REPORT ON THICKNESS MEASUREMENT OF W. T./O. T. TRANSVERSE BULKHEADS

[illegible]

TM5

REPORT ON THICKNESS MEASUREMENT OF W. T./O. T. TRANSVERSE BULKHEADS

[illegible]

REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURAL MEMBERS

Ship's Name		SKAUTS		Reg. No.				Report No.		MT-61-20		
STRUCTURAL MEMBER:								LOWER STRAKE OF SUPERSTRUCTURE				SKETCH
LOCATION OF STRUCTURE:												
DESCRIPTION	ITEM	ORG. THK. mm	Max. Allow. Dim., mm	GAUGED		DIMINUTION, PORT		DIMINUTION, STBD				
				PORT	STBD	mm	%	mm	%			
Plate	A1	5.0	1.5	4.9	4.9	0.1	2.0	0.1	2.0			
Plate	A2	5.0	1.5	4.9	4.9	0.1	2.0	0.1	2.0			
Plate	A3	5.0	1.5	4.9	5.0	0.1	2.0	0.0	0.0			
Operator's signature:								Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. Fore more detailed information see draft report.				

TM6

REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURAL MEMBERS

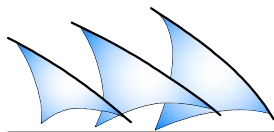
[illegible]

REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURAL MEMBERS

Ship's Name		SKAUTS		Reg. No.				Report No.		MT-61-20		
STRUCTURAL MEMBER:									Fr.29			SKETCH
LOCATION OF STRUCTURE:									FOREPEAK			
DESCRIPTION	ITEM	ORG. THK. mm	Max. Allow. Dim., mm	GAUGED		DIMINUTION, PORT		DIMINUTION, STBD				
				PORT	STBD	mm	%	mm	%			
Frame	B	6.0	1.8	5.9	5.9	0.1	1.7	0.1	1.7			
Beam	C	6.0	1.8	5.9	5.8	0.1	1.7	0.2	3.3			
Floor	A	6.0	1.8	5.8	5.7	0.2	3.3	0.3	5.0			
Bracket	BR	6.0	1.8	5.9	6.0	0.1	1.7	0.0	0.0			
Operator's signature:											Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. Fore more detailed information see draft report.	

REPORT ON THICKNESS MEASUREMENT OF MISCELLANEOUS STRUCTURAL MEMBERS

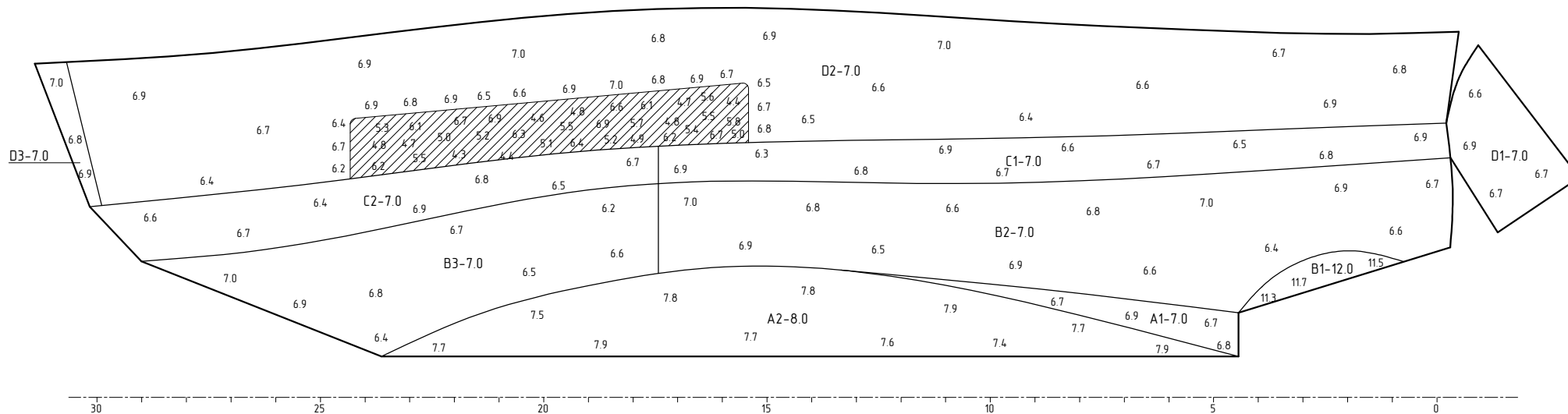
Ship's Name		SKAUTS		Reg. No.				Report No.		MT-61-20		
STRUCTURAL MEMBER:								MAIN ENGINE FOUNDATION				SKETCH
LOCATION OF STRUCTURE:								AFTERPEK				
DESCRIPTION	ITEM	ORG. THK. mm	Max. Allow. Dim., mm	GAUGED		DIMINUTION, PORT		DIMINUTION, STBD				
				PORT	STBD	mm	%	mm	%			
Girder												
Web	A	8.0	2.4	7.9	8.0	0.1	1.3	0.0	0.0			
Flange	B	12.0	3.6	11.9	11.9	0.1	0.8	0.1	0.8			
Operator's signature:												
												
Notes: - For position see page above - The single measurements are to represent the average of multiple measurement. Fore more detailed information see draft report.												



MTS Latvia Ltd.
Maritime Technical Services
22 Bauskas str.
LV 1004-RIGA-LATVIA

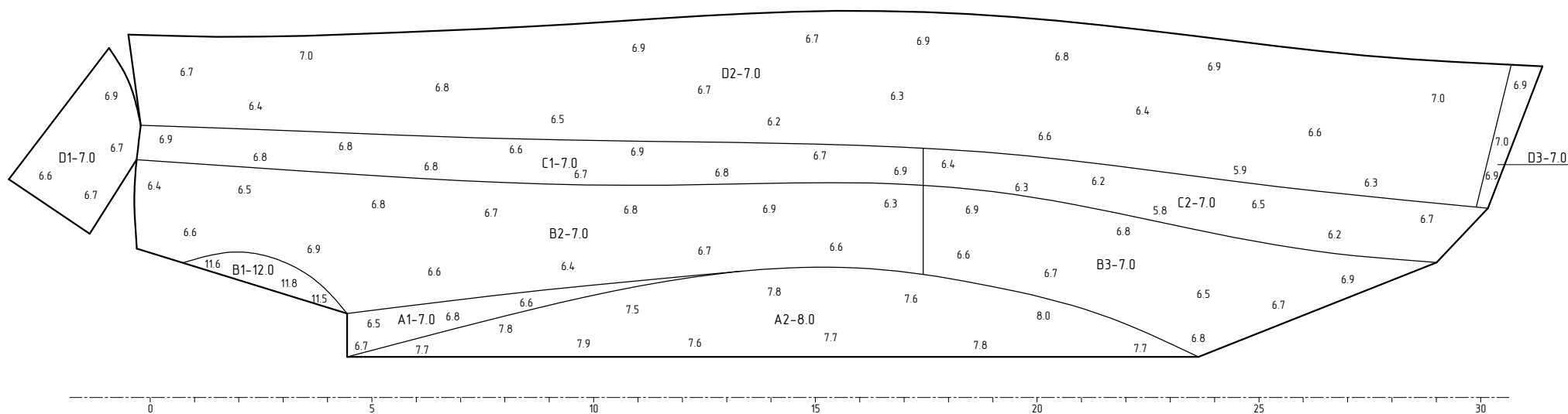
SHELL PLATING, PS

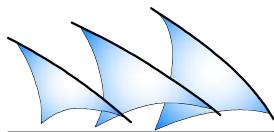
m/v "SKAUTS"
Report MT-61-20



SHELL PLATING, StB

m/v "SKAUTS"
Report MT-61-20

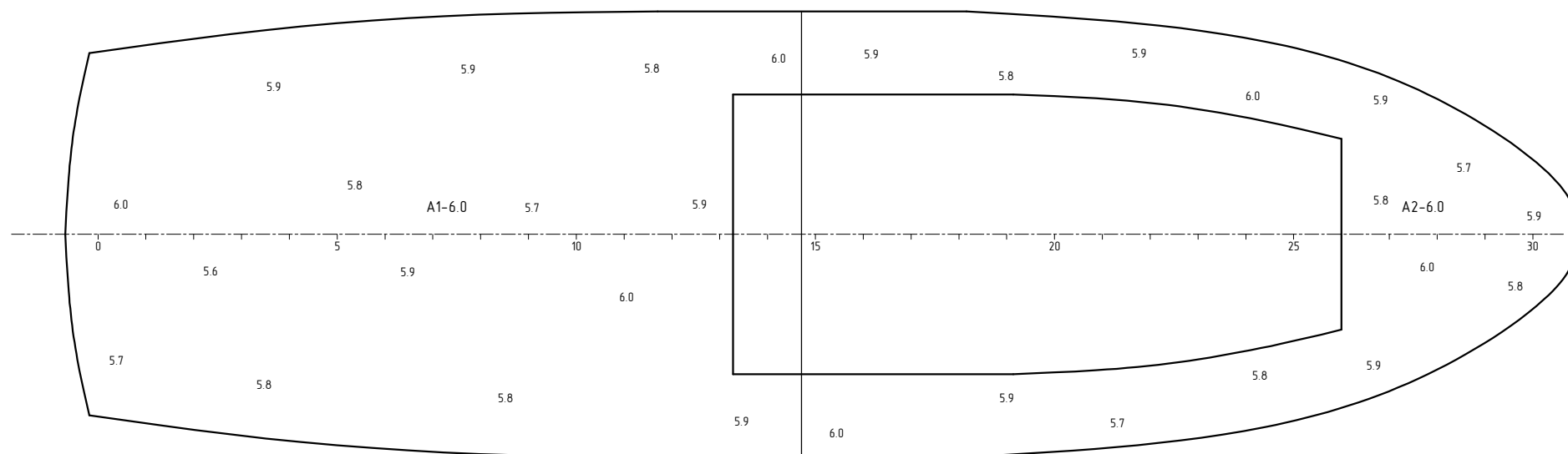




MTS Latvia Ltd.
Maritime Technical Services
22 Bauskas str.
LV 1004-RIGA-LATVIA

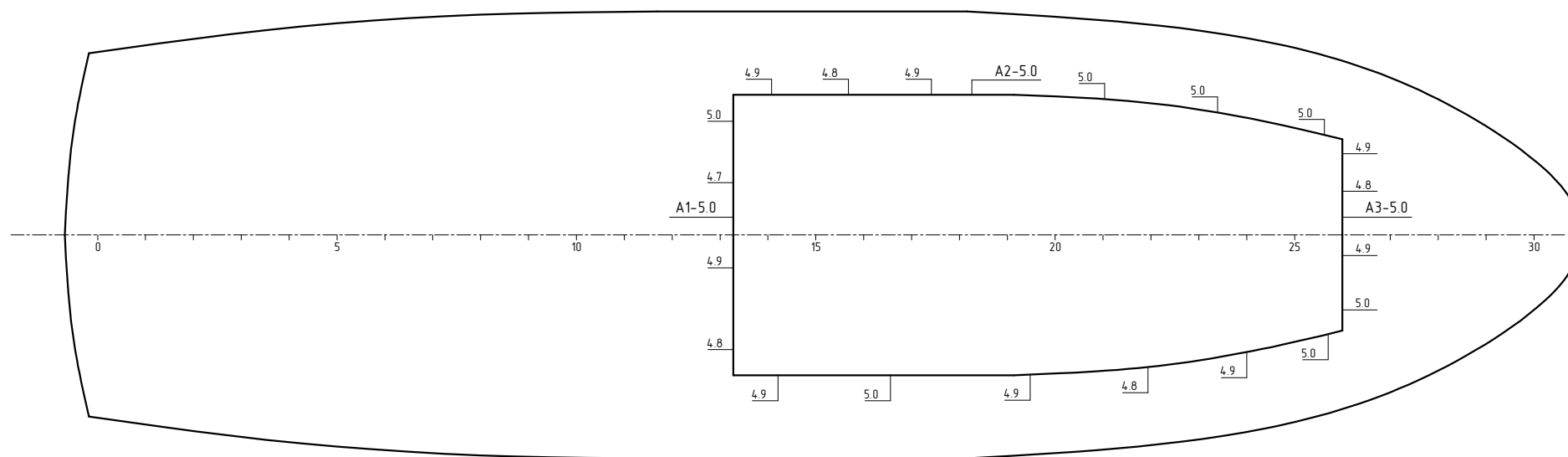
MAIN DECK

m/v "SKAUTS"
Report MT-61-20



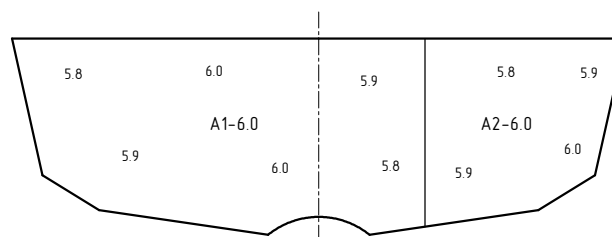
LOWER STRAKE OF SUPERSTRUCTURE

m/v "SKAUTS"
Report MT-61-20

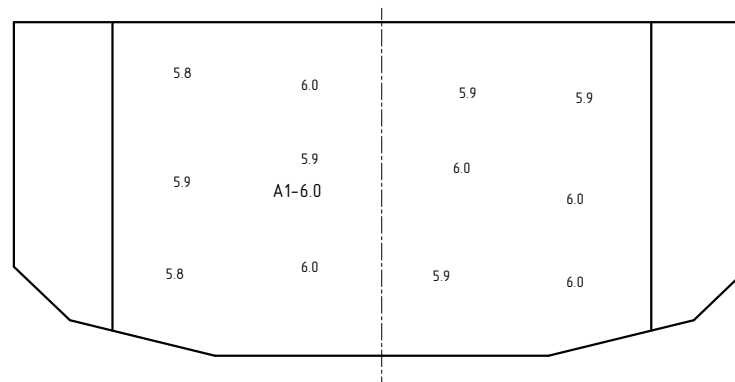


TRANSVERSE BHDs

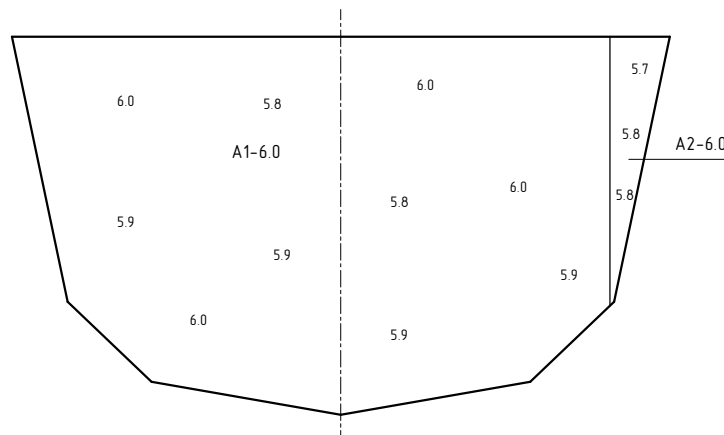
Fr.4



Fr.17



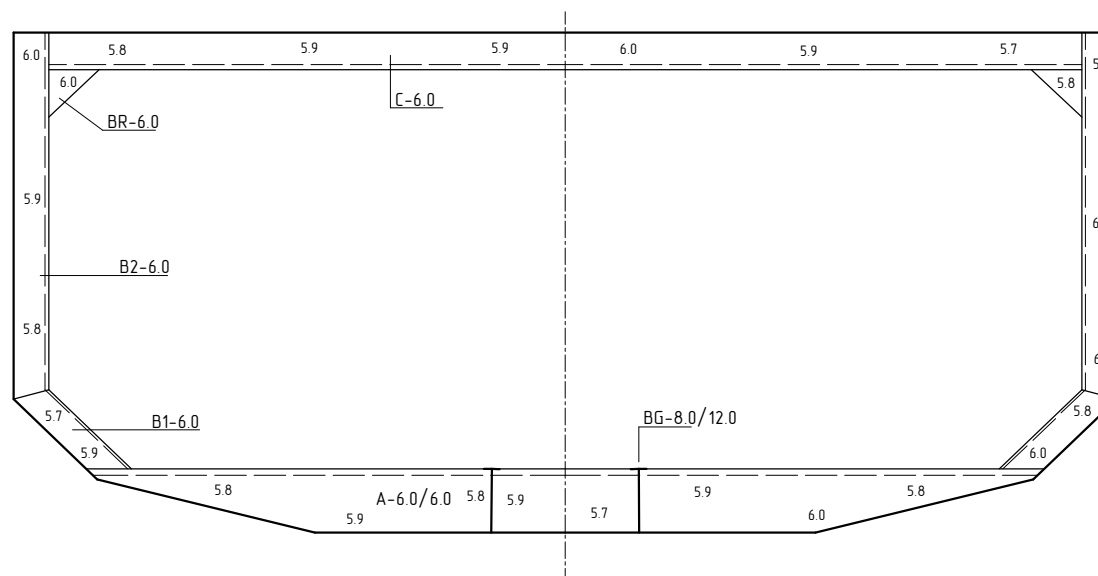
Fr.26





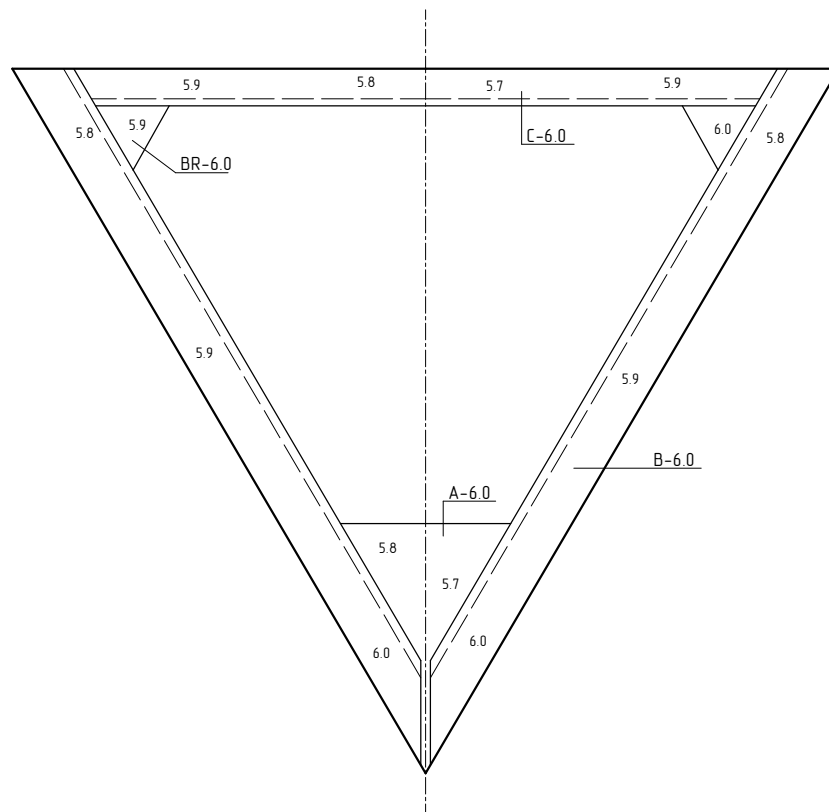
ENGINE ROOM, Fr.7

m/v "SKAUTS"
Report MT-61-20



FOREPEAK, Fr.29

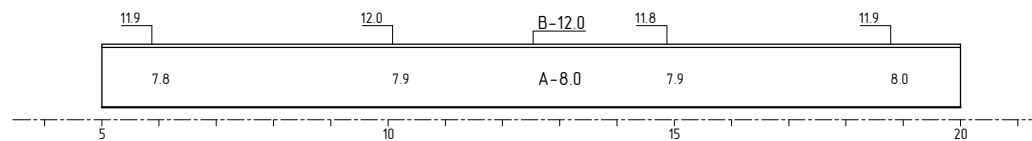
m/v "SKAUTS"
Report MT-61-20



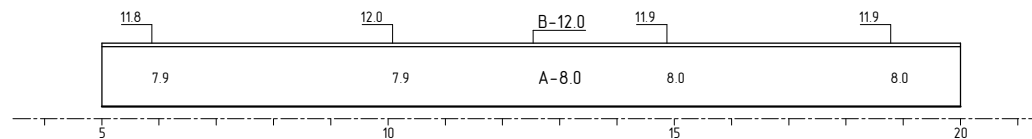
MAIN ENGINE FOUNDATION

m/v "SKAUTS"
Report MT-61-20

PS



StB



SHELL PLATING

m/v "SKAUTS"
IMO
Repair

