INTERNATIONAL LOAD LINE COMPUTATION
&
According to 1966 Edition

for

M/v ALI HRZ

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1 İçindekiler

2 PREFACE

2 Önsöz

- This document was made in compliance with **"International Convention on Loadline-1966".**
  Bu döküman **"Uluslararasi Yukleme Siniri hesabi 1966"**e uygun olarak hazırlanmıştır.
- The calculations included in this work are based on following documents
  Bu dökümandaki hesaplamalar aşağıdaki belgelere göre hazırlanmıştır:
  1) Lines & Off-Sets Plan
     Endaze Planı
  2) General Arrangement Plan
     Genel Yerleşim Planı
  3) Midship Section
     Orta Kesit Planı
  4) Longitudinal Section&Deck Plan
     Boyuna Kesit & Güverteler.
  5) Stability Booklet and Hydrostatic Parts
     Stabilite Buklet ve Hidrostatik Kisim

3 GENERAL PARTICULARS

3 Geminin Genel Özellikleri

3.1 Ship's Name, Owner, Builder, Etc.

3.1 Gemi Adı, Sahibi, İnşaa Eden v.s.

NAME OF SHIP	:	M/V ALI HRZ
YARD NO	:	1467
OWNER NAME	:	AHR SHIPPING CO.

3.2 Date, Class, Etc.

3.2 Tarih, Klas v.s.

YEAR OF BUILT	:	1981/KURUSHIMA DOCKYARD CO.LTD
KIND OF SHIP	:	GENERAL CARGO SHIP
NAVIGATION AREA	:	UNRESTRICTED NAVIGATION
CLASSIFICATION	:	VENEZUELAN REGISTER OF SHIPPING
FLAG	:	TANZANIA
PORT OF REGISTRY	:	ZANZIBAR
SIGNAL LETTERS	:	5IM 608

3.3 Dimension Etc.

3.3 Boyutlar v.s.

LENGTH O.A.	:	84.500	metres
LENGTH B.P.	:	78.000	metres
LENGTH [L]as defined in article 2[8]	:	78.000	metres
BREADTH MLD.	:	15.500	metres
DEPTH MLD.	:	9.500	metres
SUMMER DRAFT(Moulded)	:	7.736	metres
SUMMER DRAFT(Extreme)	:	7.749	metres
DISPLACEMENT-Extreme[Δ]	:	7317.88	tonnes
LIGHTSHIP WEIGHT	:	1442.00	tonnes
SUMMER DEADWEIGHT[TDW]	:	5875.88	tonnes
KEEL THICKNESS	:	13.00	mm
SHEEL THICKNESS	:	11.50	mm

3.4 Tonnage

3.4 Boyutlar v.s.

GROSS TONNAGE INT.	:	3016	G.T.
NET TONNAGE INT.	:		N.T.

3.5 Register Numbers

3.5 Kayıt Numaraları

IMO NUMBER	:	8106599	

CAUTION FOR LOADING OPERATION

TPC (at Summer Loadline)	:	11.290	t/cm
Fresh Water Allowance(FWA)	:	162	mm

THE PERMISSIBLE LOCAL LOAD AMOUNTS TO

2.Deck Design Load : 1.80 t/m2

Upper Deck Design Load

Fr.77-Fr.98	:	2.10 t/m2
Fr.25-Fr.77	:	1.50 t/m2

Pontoon Design Load

No.1 Hold	:	1.40 t/m2
No.2 Hold	:	0.80 t/m2

INTERNATIONAL LOADLINE CERTIFICATE(1966)

Name of Ship	Type	Material	Gross Tonnage	Date of Build
ALI HRZ	B	STEEL	1991	1981-KURUSHIMA

Surveyor Port :		Surveyor Date:	

MAIN DIMENSIONS		
Length (Article 2(8))	78.000	m
Breadth (Regulation 2(3))	15.500	m
Depth (Regulation 2(2))	9.500	m
0.85*Depth (Regulation 2(2))	8.075	m
Displacement at 0.85*Depth	7514.98	m^3
Block Coefficient at 0.85*Depth	0.770	

FREEBOARD DEPTH		
Depth (Regulation 2(2))	9500	mm
Thickness of Stringer Plate	10	mm
Thickness of Freeboard Deck	0	mm
$T_D \left[\frac{L - \sum S}{L}\right] =$	0.000	
Freeboard Depth D_F=	9510	mm

CORRECTION FOR SUPERSTRUCTURE

Structures	Length (m)	Breadth (m)		Height (m)		Enclosed L. S (m)	Efective Length E (m)
		b	B	h	H		
Superstructure	0.000	0.000	0.000	0.000	1.000	0.000	0.000
Fore Castle	0.000	15.500	15.500	0.000	1.800	0.000	0.000
Mid. Castle	0.000	0.000	0.000	0.000	1.000	0.000	0.000
Aft Castle	0.000	15.500	15.500	0.000	1.800	0.000	0.000
Trunk	0.000	8.000	15.500	0.000	1.800	0.000	0.000
					TOTAL	0.000	0.000

$E = S * \frac{b}{B} * \frac{h}{H}$ $\left(\frac{h}{H}\right)_{max} = 1$

CORRECTION FOR LENGTH		
$24 \le L$ (m) ≤ 100 ve		
$\frac{\sum E}{L} \le 0.35$ ise		
$7.5\,(100\text{-}L)\left(0.35 \frac{E}{L}\right)$		
Deduction :	58	mm

CORR. FOR C_B		
for CB $\le$ 0.68 Multiplier = 1		
for $C_B > 0.68$ Multiplier = $\frac{C_B + 0.68}{1.36}$		
Multiplier	1.066	

CORRECTION FOR DEPTH			
$\frac{L}{15}$	5.20	$\frac{L}{0.48}$	162.50
for $L < 120$ m $R = \frac{L}{0.48}$		*for* $L \ge 120$ m R = 250	
Deduction : $\left(D_F - \frac{L}{15}\right) R =$			700 mm

CORRECTION FOR SUPERSTRUCTURE

$\frac{\sum S}{L} =$	0.000
$\frac{\sum E}{L} =$	0.000

Deduction for $\sum E = 1.0\,L$ =			801 mm
$\frac{\sum E}{L}$ =	0.00	perc. of deduction =	0.00
Deduction :			0 mm

Correction for Sheer

STATION	Standart Sheer Ordinate *(mm)*	Factor	Multiplier	Actual Sheer Ordinate (mm)	Factor	Multiplier
Forward Perpendicular	1800	1	1800	1700	1	1700
1/6 L from FP	799	3	2398	715	3	2145
1/3 L from FP	202	3	605	0	3	0
Amidship	0	1	0	0	1	0
SUB TOTAL		Σ1	4802		Σ2	3845
Amidship	0	1	0	0	1	0
1/3 L from AP	101	3	302	0	3	0
1/6 L from AP	400	3	1199	147	3	441
After Perpendicular	900	1	900	661	1	661
SUB TOTAL		Σ3	2401		Σ4	1102
TOTAL	Σ5=Σ1 + Σ3		7204	Σ6= Σ2 + Σ4		4947

$\left[0.75 - \frac{\sum S}{2L}\right] =$	0.75
$s = \frac{1}{3}\ y\ \frac{L'}{L} =$	0
$\left[\frac{\sum_5 - \sum_6}{16} - s\right] = \left[0.75 - \frac{S}{2L}\right]$	
Calculation	
Deduction :	106 mm

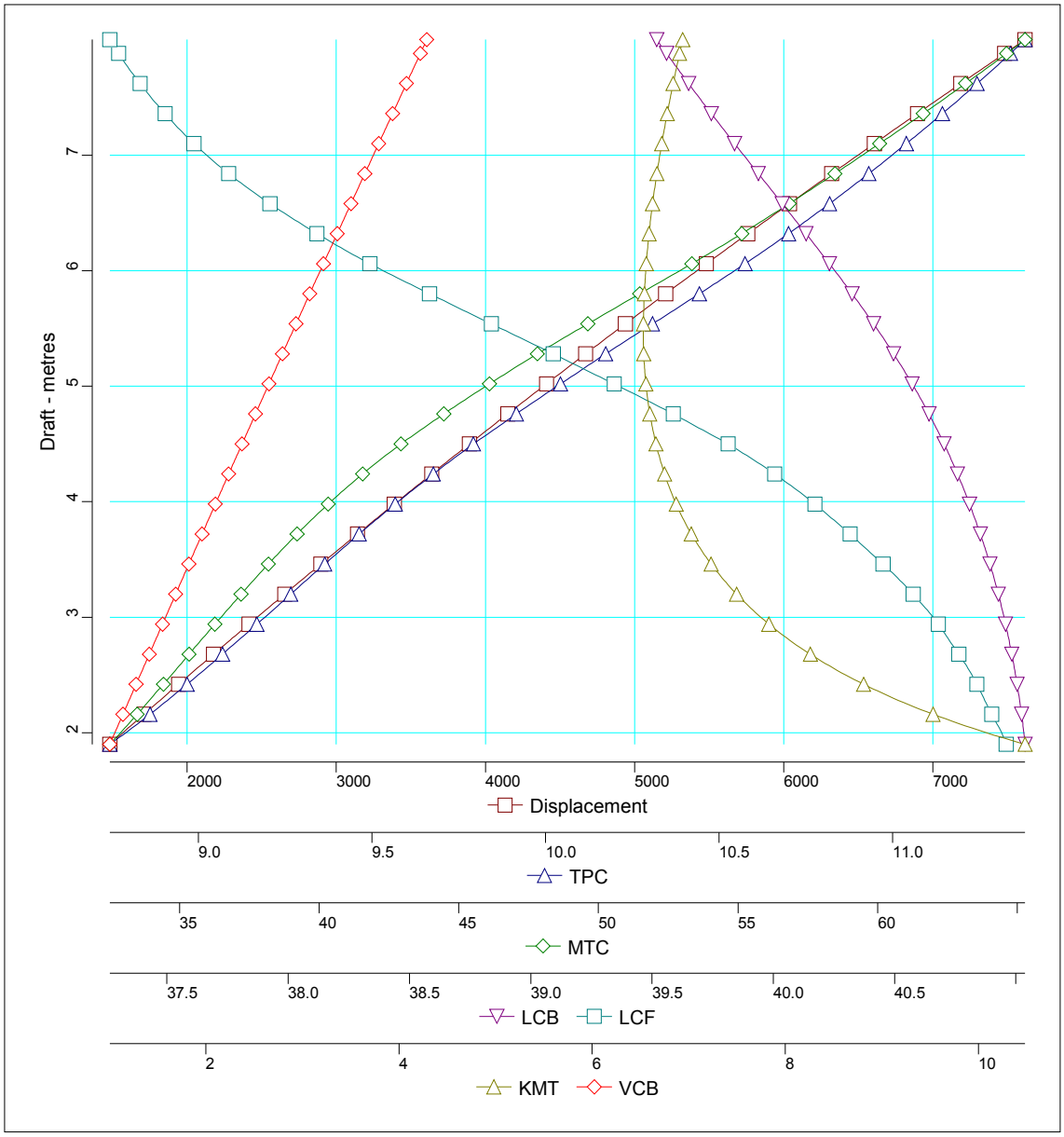
DEDUCTIONS		
Tabular Freeboard	850	*mm*
Correction for Length	58	*mm*
Sub Total	908	*mm*
Correction for C_B :	968	*mm*
Correction for Depth:	700	*mm*
Correction for Superstructure:	0	*mm*
Correction for Sheer	106	*mm*
Deck line:	0	*mm*
TOTAL	1774	*mm*
FREEBOARDS (mm)		
Tropical Freeboard [T]:	1613	*mm*
Summer Freeboard [S]:	1774	*mm*
Winter Freeboard [W]:	1935	*mm*
Winter North Atlantic Frb [WNA]:	1985	*mm*
Fresh Water Frb Freeboard [F]:	1612	*mm*

REDUCTION FOR FRESH WATER & TROPICAL& WINTER		
Displacement at Summer Freeboard	7317.9	*ton*
Tons per centimeter immersion: T_1 =	11.29	*ton cm*
Reduction for FW : $\frac{Displ.}{40\ T_1} \times 10$	162	*mm*
Summer Draught	7736	*mm*
Red. for Tropical & Winter : $\frac{T}{48} =$	161	*mm*

REMARKS

(1) The bow height defined as the vertical distance at the forward perpendicular between the waterline corresponding to the assigned summer freeboard and the designed trim and the top of the exposed deck at side shall not be less than:
Minimum Bow Height [Reg39[1]] =3464 mm
56*L*[1-L/500]*[1.36/[Cb+0.68]]
Real Bow Height [Reg39[1]] =3474 mm
[fsummer +Ffore castle+FP sheer] ⟹ 3464 <3474 is good

Curves


Draft - metres
2
3
4
5
6
7
2000
3000
4000
5000
6000
7000
Displacement
9.0
9.5
10.0
10.5
11.0
TPC
35
40
45
50
55
60
MTC
37.5
38.0
38.5
39.0
39.5
40.0
40.5
LCB
LCF
2
4
6
8
10
KMT
VCB

Tables

Trim	0.00	metres
Heel	0.00	degrees

Shell thickness	11.50000	mm
Keel thickness	13.00000	mm
Hog (+ve)/ Sag (-ve)	0.00000	metres
Water density	1.02500	tonnes/cu.m

All drafts are extreme

Hydrostatics

Draft (m)	Displt (t)	LCB (m)	VCB (m)	WPA (m^2)	LCF (m)	KML (m)	KMT (m)	WSA (m^2)	TPC (t/cm)	MTC (t-m/cm)	CB
1.90	1481.14	41.038	1.005	853.12	40.960	172.181	10.482	1011.21	8.74	32.50	0.628
1.92	1498.65	41.037	1.016	854.03	40.956	170.596	10.398	1014.55	8.75	32.58	0.629
1.94	1516.18	41.036	1.026	854.93	40.953	169.044	10.317	1017.89	8.76	32.66	0.630
1.96	1533.73	41.035	1.037	855.83	40.949	167.526	10.237	1021.24	8.77	32.74	0.631
1.98	1551.30	41.034	1.047	856.72	40.945	166.041	10.159	1024.58	8.78	32.81	0.631
2.00	1568.89	41.033	1.057	857.61	40.941	164.587	10.083	1027.92	8.79	32.89	0.632
2.02	1586.49	41.032	1.068	858.49	40.937	163.157	10.008	1031.25	8.80	32.97	0.633
2.04	1604.11	41.031	1.078	859.35	40.931	161.747	9.935	1034.58	8.81	33.04	0.634
2.06	1621.76	41.029	1.089	860.21	40.926	160.367	9.864	1037.91	8.82	33.12	0.634
2.08	1639.42	41.028	1.099	861.06	40.921	159.014	9.795	1041.24	8.83	33.19	0.635
2.10	1657.09	41.027	1.110	861.91	40.916	157.690	9.726	1044.57	8.83	33.27	0.636
2.12	1674.78	41.026	1.120	862.76	40.911	156.393	9.660	1047.90	8.84	33.34	0.637
2.14	1692.50	41.025	1.131	863.60	40.905	155.121	9.594	1051.23	8.85	33.41	0.637
2.16	1710.22	41.023	1.141	864.43	40.900	153.868	9.530	1054.55	8.86	33.49	0.638
2.18	1727.96	41.022	1.152	865.25	40.895	152.639	9.468	1057.87	8.87	33.56	0.639
2.20	1745.73	41.021	1.162	866.07	40.891	151.431	9.406	1061.19	8.88	33.63	0.640
2.22	1763.51	41.019	1.173	866.87	40.886	150.247	9.346	1064.51	8.89	33.70	0.640
2.24	1781.30	41.018	1.183	867.67	40.881	149.084	9.287	1067.82	8.89	33.78	0.641
2.26	1799.12	41.017	1.194	868.47	40.877	147.942	9.229	1071.14	8.90	33.85	0.642
2.28	1816.94	41.015	1.204	869.29	40.872	146.822	9.173	1074.46	8.91	33.92	0.642
2.30	1834.78	41.014	1.215	870.09	40.867	145.721	9.118	1077.78	8.92	33.99	0.643
2.32	1852.64	41.012	1.225	870.89	40.863	144.639	9.064	1081.09	8.93	34.06	0.644
2.34	1870.52	41.011	1.236	871.69	40.858	143.578	9.011	1084.41	8.93	34.14	0.644
2.36	1888.41	41.010	1.246	872.47	40.854	142.535	8.959	1087.72	8.94	34.21	0.645
2.38	1906.33	41.008	1.257	873.25	40.849	141.511	8.908	1091.03	8.95	34.28	0.646
2.40	1924.24	41.007	1.267	874.06	40.844	140.509	8.859	1094.35	8.96	34.35	0.646
2.42	1942.19	41.005	1.278	874.86	40.839	139.525	8.810	1097.67	8.97	34.42	0.647
2.44	1960.14	41.003	1.288	875.65	40.834	138.558	8.763	1100.98	8.98	34.50	0.647
2.46	1978.12	41.002	1.299	876.43	40.829	137.605	8.716	1104.29	8.98	34.57	0.648
2.48	1996.11	41.000	1.309	877.20	40.824	136.668	8.669	1107.60	8.99	34.64	0.649
2.50	2014.11	40.999	1.320	877.96	40.819	135.745	8.624	1110.91	9.00	34.71	0.649
2.52	2032.14	40.997	1.330	878.73	40.814	134.837	8.580	1114.22	9.01	34.78	0.650
2.54	2050.17	40.995	1.341	879.51	40.808	133.940	8.538	1117.53	9.02	34.85	0.650
2.56	2068.22	40.994	1.351	880.29	40.802	133.059	8.496	1120.84	9.02	34.92	0.651
2.58	2086.29	40.992	1.362	881.06	40.796	132.192	8.455	1124.15	9.03	34.99	0.652
2.60	2104.38	40.990	1.372	881.82	40.790	131.339	8.414	1127.46	9.04	35.06	0.652
2.62	2122.48	40.989	1.382	882.58	40.784	130.499	8.374	1130.76	9.05	35.13	0.653

Draft (m)	Displt (t)	LCB (m)	VCB (m)	WPA (m^2)	LCF (m)	KML (m)	KMT (m)	WSA (m^2)	TPC (t/cm)	MTC (t-m/cm)	CB
2.64	2140.59	40.987	1.393	883.33	40.777	129.672	8.335	1134.07	9.05	35.20	0.653
2.66	2158.72	40.985	1.403	884.08	40.771	128.858	8.297	1137.38	9.06	35.27	0.654
2.68	2176.87	40.983	1.414	884.82	40.765	128.057	8.259	1140.68	9.07	35.34	0.655
2.70	2195.03	40.981	1.424	885.55	40.758	127.268	8.222	1143.98	9.08	35.41	0.655
2.72	2213.21	40.980	1.435	886.28	40.752	126.491	8.185	1147.29	9.08	35.48	0.656
2.74	2231.40	40.978	1.445	887.00	40.745	125.725	8.149	1150.59	9.09	35.55	0.656
2.76	2249.58	40.975	1.456	887.72	40.738	124.972	8.113	1153.89	9.10	35.62	0.657
2.78	2267.82	40.974	1.466	888.50	40.732	124.237	8.080	1157.20	9.11	35.70	0.657
2.80	2286.06	40.972	1.477	889.27	40.725	123.514	8.047	1160.51	9.11	35.77	0.658
2.82	2304.31	40.970	1.487	890.03	40.719	122.802	8.014	1163.82	9.12	35.84	0.659
2.84	2322.58	40.968	1.498	890.78	40.713	122.099	7.982	1167.13	9.13	35.91	0.659
2.86	2340.87	40.966	1.508	891.52	40.706	121.406	7.951	1170.44	9.14	35.98	0.660
2.88	2359.16	40.964	1.519	892.25	40.700	120.723	7.919	1173.74	9.15	36.05	0.660
2.90	2377.48	40.962	1.529	892.98	40.694	120.049	7.889	1177.05	9.15	36.13	0.661
2.92	2395.81	40.960	1.540	893.72	40.687	119.386	7.859	1180.35	9.16	36.20	0.661
2.94	2414.15	40.958	1.550	894.46	40.680	118.734	7.829	1183.66	9.17	36.27	0.662
2.96	2432.51	40.955	1.561	895.20	40.674	118.093	7.801	1186.97	9.18	36.34	0.662
2.98	2450.89	40.953	1.571	895.95	40.666	117.461	7.773	1190.28	9.18	36.41	0.663
3.00	2469.27	40.951	1.582	896.71	40.659	116.840	7.745	1193.59	9.19	36.49	0.663
3.02	2487.68	40.949	1.592	897.46	40.651	116.226	7.718	1196.90	9.20	36.56	0.664
3.04	2506.10	40.947	1.603	898.20	40.643	115.616	7.692	1200.21	9.21	36.63	0.664
3.06	2524.53	40.944	1.613	898.94	40.635	115.014	7.666	1203.52	9.21	36.70	0.665
3.08	2542.98	40.942	1.624	899.67	40.627	114.422	7.641	1206.83	9.22	36.77	0.665
3.10	2561.44	40.940	1.634	900.40	40.618	113.837	7.615	1210.13	9.23	36.85	0.666
3.12	2579.93	40.937	1.645	901.13	40.610	113.262	7.591	1213.44	9.24	36.92	0.666
3.14	2598.42	40.935	1.655	901.85	40.602	112.695	7.566	1216.75	9.24	36.99	0.667
3.16	2616.93	40.933	1.666	902.57	40.593	112.132	7.542	1220.05	9.25	37.06	0.667
3.18	2635.46	40.930	1.677	903.28	40.585	111.577	7.519	1223.36	9.26	37.13	0.668
3.20	2654.00	40.928	1.687	904.00	40.577	111.031	7.496	1226.67	9.27	37.21	0.668
3.22	2672.55	40.925	1.698	904.72	40.568	110.495	7.473	1229.99	9.27	37.28	0.669
3.24	2691.12	40.923	1.708	905.44	40.559	109.967	7.451	1233.31	9.28	37.35	0.669
3.26	2709.71	40.920	1.719	906.17	40.550	109.447	7.429	1236.62	9.29	37.42	0.670
3.28	2728.30	40.918	1.729	906.90	40.541	108.937	7.407	1239.95	9.30	37.50	0.670
3.30	2746.91	40.915	1.740	907.63	40.531	108.434	7.386	1243.27	9.30	37.57	0.671
3.32	2765.55	40.912	1.750	908.37	40.522	107.938	7.366	1246.60	9.31	37.65	0.671
3.34	2784.19	40.910	1.761	909.10	40.512	107.449	7.345	1249.93	9.32	37.73	0.672
3.36	2802.85	40.907	1.771	909.84	40.502	106.967	7.325	1253.25	9.33	37.80	0.672
3.38	2821.52	40.904	1.782	910.58	40.493	106.491	7.306	1256.58	9.33	37.88	0.673
3.40	2840.21	40.902	1.792	911.31	40.483	106.022	7.287	1259.91	9.34	37.95	0.673
3.42	2858.91	40.899	1.803	912.05	40.473	105.558	7.268	1263.24	9.35	38.03	0.674
3.44	2877.63	40.896	1.813	912.79	40.463	105.101	7.250	1266.57	9.36	38.11	0.674
3.46	2896.36	40.893	1.824	913.53	40.452	104.650	7.232	1269.90	9.36	38.18	0.675
3.48	2915.12	40.890	1.834	914.28	40.442	104.205	7.214	1273.23	9.37	38.26	0.675
3.50	2933.88	40.887	1.845	915.02	40.431	103.767	7.197	1276.56	9.38	38.34	0.675
3.52	2952.66	40.884	1.855	915.76	40.421	103.334	7.180	1279.89	9.39	38.41	0.676
3.54	2971.46	40.882	1.866	916.50	40.410	102.907	7.164	1283.22	9.39	38.49	0.676
3.56	2990.27	40.879	1.877	917.25	40.400	102.486	7.147	1286.56	9.40	38.57	0.677
3.58	3009.09	40.875	1.887	917.99	40.389	102.072	7.131	1289.89	9.41	38.65	0.677
3.60	3027.94	40.872	1.898	918.74	40.379	101.663	7.115	1293.23	9.42	38.73	0.678
3.62	3046.79	40.869	1.908	919.49	40.368	101.259	7.100	1296.57	9.42	38.81	0.678

Draft (m)	Displt (t)	LCB (m)	VCB (m)	WPA (m^2)	LCF (m)	KML (m)	KMT (m)	WSA (m^2)	TPC (t/cm)	MTC (t-m/cm)	CB
3.64	3065.66	40.866	1.919	920.23	40.358	100.861	7.085	1299.91	9.43	38.89	0.679
3.66	3084.55	40.863	1.929	920.98	40.347	100.469	7.070	1303.25	9.44	38.97	0.679
3.68	3103.45	40.860	1.940	921.72	40.337	100.081	7.055	1306.59	9.45	39.05	0.680
3.70	3122.37	40.857	1.950	922.46	40.326	99.699	7.040	1309.93	9.46	39.13	0.680
3.72	3141.30	40.853	1.961	923.20	40.316	99.322	7.026	1313.27	9.46	39.21	0.680
3.74	3160.25	40.850	1.972	923.94	40.306	98.949	7.012	1316.62	9.47	39.29	0.681
3.76	3179.21	40.847	1.982	924.69	40.295	98.583	6.998	1319.96	9.48	39.37	0.681
3.78	3198.20	40.844	1.993	925.47	40.284	98.226	6.985	1323.32	9.49	39.46	0.682
3.80	3217.19	40.840	2.003	926.26	40.273	97.873	6.973	1326.67	9.49	39.54	0.682
3.82	3236.20	40.837	2.014	927.05	40.262	97.526	6.961	1330.03	9.50	39.63	0.683
3.84	3255.23	40.833	2.024	927.84	40.250	97.183	6.948	1333.39	9.51	39.71	0.683
3.86	3274.27	40.830	2.035	928.63	40.239	96.845	6.937	1336.75	9.52	39.80	0.684
3.88	3293.33	40.827	2.046	929.41	40.228	96.512	6.925	1340.12	9.53	39.89	0.684
3.90	3312.41	40.823	2.056	930.20	40.217	96.183	6.913	1343.48	9.53	39.97	0.684
3.92	3331.50	40.820	2.067	930.99	40.205	95.859	6.902	1346.85	9.54	40.06	0.685
3.94	3350.61	40.816	2.077	931.78	40.194	95.540	6.891	1350.22	9.55	40.15	0.685
3.96	3369.73	40.812	2.088	932.57	40.182	95.225	6.880	1353.59	9.56	40.24	0.686
3.98	3388.88	40.809	2.098	933.37	40.171	94.915	6.869	1356.96	9.57	40.33	0.686
4.00	3408.03	40.805	2.109	934.16	40.160	94.609	6.859	1360.33	9.58	40.42	0.687
4.02	3427.20	40.802	2.120	934.96	40.148	94.308	6.849	1363.71	9.58	40.51	0.687
4.04	3446.39	40.798	2.130	935.78	40.136	94.014	6.839	1367.10	9.59	40.60	0.687
4.06	3465.60	40.794	2.141	936.60	40.123	93.723	6.829	1370.49	9.60	40.69	0.688
4.08	3484.82	40.790	2.151	937.42	40.111	93.437	6.820	1373.88	9.61	40.78	0.688
4.10	3504.06	40.787	2.162	938.24	40.098	93.156	6.811	1377.28	9.62	40.88	0.689
4.12	3523.32	40.783	2.173	939.06	40.085	92.878	6.801	1380.67	9.63	40.97	0.689
4.14	3542.60	40.779	2.183	939.89	40.072	92.605	6.792	1384.08	9.63	41.07	0.689
4.16	3561.89	40.775	2.194	940.72	40.059	92.338	6.784	1387.48	9.64	41.16	0.690
4.18	3581.20	40.771	2.204	941.55	40.046	92.074	6.775	1390.89	9.65	41.26	0.690
4.20	3600.52	40.767	2.215	942.38	40.033	91.814	6.766	1394.31	9.66	41.36	0.691
4.22	3619.86	40.763	2.226	943.21	40.019	91.558	6.758	1397.72	9.67	41.46	0.691
4.24	3639.22	40.759	2.236	944.04	40.006	91.305	6.750	1401.14	9.68	41.56	0.692
4.26	3658.61	40.755	2.247	944.88	39.992	91.056	6.742	1404.57	9.69	41.66	0.692
4.28	3678.00	40.751	2.258	945.74	39.978	90.814	6.734	1408.00	9.69	41.76	0.692
4.30	3697.41	40.747	2.268	946.60	39.964	90.575	6.727	1411.43	9.70	41.86	0.693
4.32	3716.84	40.743	2.279	947.46	39.950	90.339	6.720	1414.87	9.71	41.96	0.693
4.34	3736.28	40.739	2.289	948.33	39.935	90.107	6.713	1418.32	9.72	42.07	0.694
4.36	3755.75	40.735	2.300	949.20	39.920	89.882	6.706	1421.77	9.73	42.17	0.694
4.38	3775.23	40.730	2.311	950.07	39.905	89.660	6.699	1425.22	9.74	42.28	0.695
4.40	3794.73	40.726	2.321	950.95	39.890	89.441	6.692	1428.68	9.75	42.38	0.695
4.42	3814.25	40.722	2.332	951.82	39.875	89.226	6.685	1432.15	9.76	42.49	0.695
4.44	3833.79	40.717	2.343	952.70	39.860	89.014	6.679	1435.62	9.77	42.60	0.696
4.46	3853.35	40.713	2.353	953.57	39.845	88.805	6.672	1439.09	9.77	42.71	0.696
4.48	3872.92	40.708	2.364	954.45	39.829	88.599	6.666	1442.56	9.78	42.82	0.697
4.50	3892.51	40.704	2.375	955.32	39.814	88.396	6.660	1446.04	9.79	42.93	0.697
4.52	3912.12	40.699	2.385	956.23	39.797	88.201	6.654	1449.54	9.80	43.04	0.697
4.54	3931.75	40.695	2.396	957.18	39.780	88.013	6.649	1453.04	9.81	43.16	0.698
4.56	3951.40	40.690	2.407	958.13	39.762	87.830	6.644	1456.56	9.82	43.27	0.698
4.58	3971.06	40.686	2.417	959.07	39.745	87.650	6.639	1460.08	9.83	43.39	0.699
4.60	3990.75	40.681	2.428	960.02	39.727	87.472	6.634	1463.61	9.84	43.51	0.699
4.62	4010.46	40.676	2.439	960.95	39.710	87.295	6.629	1467.13	9.85	43.63	0.699

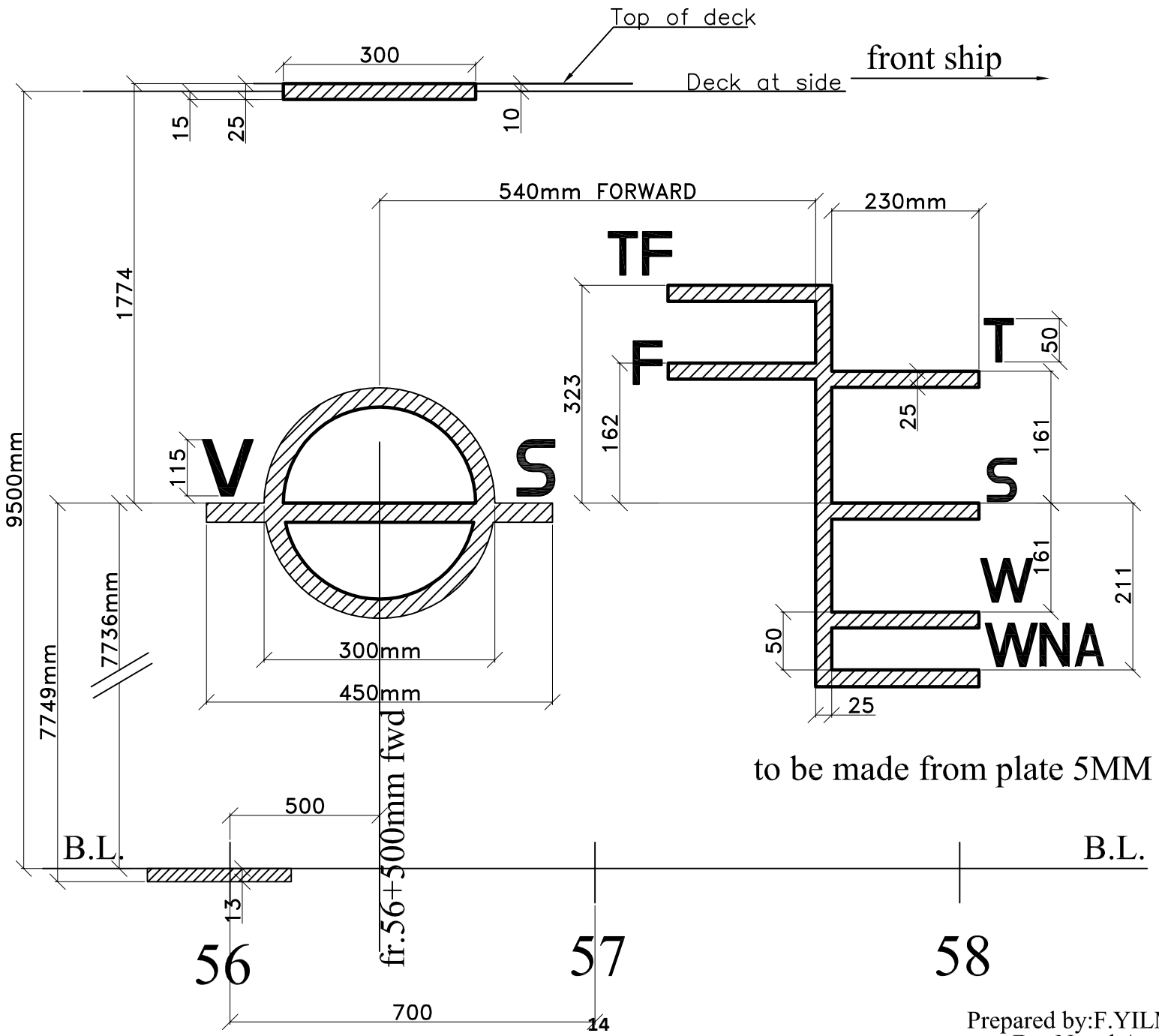
Draft (m)	Displt (t)	LCB (m)	VCB (m)	WPA (m^2)	LCF (m)	KML (m)	KMT (m)	WSA (m^2)	TPC (t/cm)	MTC (t-m/cm)	CB
4.64	4030.18	40.671	2.449	961.89	39.692	87.121	6.625	1470.66	9.86	43.75	0.700
4.66	4049.93	40.667	2.460	962.82	39.674	86.948	6.620	1474.19	9.87	43.87	0.700
4.68	4069.69	40.662	2.471	963.74	39.657	86.776	6.615	1477.72	9.88	43.99	0.701
4.70	4089.47	40.657	2.481	964.66	39.639	86.607	6.610	1481.25	9.89	44.11	0.701
4.72	4109.27	40.652	2.492	965.58	39.622	86.439	6.606	1484.78	9.90	44.23	0.701
4.74	4129.09	40.647	2.503	966.49	39.605	86.272	6.601	1488.32	9.91	44.35	0.702
4.76	4148.94	40.642	2.514	967.40	39.587	86.107	6.597	1491.86	9.92	44.46	0.702
4.78	4168.79	40.637	2.524	968.34	39.569	85.949	6.593	1495.41	9.93	44.59	0.703
4.80	4188.67	40.632	2.535	969.29	39.551	85.792	6.589	1498.97	9.94	44.71	0.703
4.82	4208.57	40.626	2.546	970.24	39.532	85.639	6.585	1502.53	9.94	44.83	0.704
4.84	4228.48	40.621	2.556	971.18	39.514	85.487	6.582	1506.09	9.95	44.96	0.704
4.86	4248.42	40.616	2.567	972.14	39.495	85.337	6.578	1509.65	9.96	45.08	0.704
4.88	4268.37	40.611	2.578	973.09	39.476	85.190	6.575	1513.22	9.97	45.21	0.705
4.90	4288.35	40.605	2.589	974.04	39.458	85.044	6.572	1516.79	9.98	45.33	0.705
4.92	4308.34	40.600	2.599	975.00	39.439	84.900	6.569	1520.37	9.99	45.46	0.706
4.94	4328.36	40.595	2.610	975.96	39.420	84.758	6.566	1523.94	10.00	45.59	0.706
4.96	4348.39	40.589	2.621	976.92	39.401	84.619	6.563	1527.52	10.01	45.71	0.706
4.98	4368.44	40.584	2.632	977.89	39.382	84.481	6.561	1531.11	10.02	45.84	0.707
5.00	4388.52	40.578	2.642	978.86	39.363	84.344	6.558	1534.69	10.03	45.97	0.707
5.02	4408.61	40.572	2.653	979.83	39.344	84.210	6.556	1538.28	10.04	46.10	0.708
5.04	4428.72	40.567	2.664	980.80	39.324	84.077	6.554	1541.88	10.05	46.23	0.708
5.06	4448.86	40.561	2.675	981.78	39.305	83.947	6.551	1545.48	10.06	46.35	0.708
5.08	4469.01	40.555	2.685	982.76	39.285	83.818	6.549	1549.08	10.07	46.48	0.709
5.10	4489.18	40.550	2.696	983.73	39.266	83.691	6.548	1552.69	10.08	46.62	0.709
5.12	4509.38	40.544	2.707	984.71	39.247	83.565	6.546	1556.30	10.09	46.75	0.710
5.14	4529.59	40.538	2.718	985.68	39.227	83.442	6.544	1559.92	10.10	46.88	0.710
5.16	4549.83	40.532	2.728	986.66	39.208	83.320	6.542	1563.53	10.11	47.01	0.710
5.18	4570.08	40.526	2.739	987.63	39.189	83.201	6.540	1567.15	10.12	47.14	0.711
5.20	4590.35	40.520	2.750	988.61	39.169	83.082	6.539	1570.77	10.13	47.28	0.711
5.22	4610.65	40.514	2.761	989.58	39.150	82.965	6.537	1574.40	10.14	47.41	0.712
5.24	4630.96	40.508	2.772	990.55	39.131	82.850	6.536	1578.03	10.15	47.54	0.712
5.26	4651.29	40.502	2.782	991.52	39.112	82.736	6.534	1581.66	10.16	47.68	0.712
5.28	4671.65	40.496	2.793	992.53	39.092	82.626	6.533	1585.30	10.17	47.81	0.713
5.30	4692.02	40.490	2.804	993.53	39.073	82.518	6.533	1588.95	10.18	47.95	0.713
5.32	4712.41	40.484	2.815	994.53	39.053	82.411	6.532	1592.59	10.19	48.09	0.714
5.34	4732.83	40.477	2.826	995.54	39.034	82.305	6.531	1596.24	10.20	48.23	0.714
5.36	4753.27	40.471	2.836	996.55	39.014	82.201	6.531	1599.89	10.21	48.36	0.715
5.38	4773.73	40.465	2.847	997.55	38.994	82.098	6.530	1603.55	10.22	48.50	0.715
5.40	4794.20	40.459	2.858	998.56	38.975	81.995	6.530	1607.20	10.24	48.64	0.715
5.42	4814.70	40.452	2.869	999.57	38.955	81.894	6.530	1610.86	10.25	48.78	0.716
5.44	4835.22	40.446	2.880	1000.58	38.936	81.794	6.529	1614.52	10.26	48.92	0.716
5.46	4855.76	40.439	2.891	1001.59	38.916	81.695	6.529	1618.18	10.27	49.06	0.717
5.48	4876.32	40.433	2.901	1002.60	38.897	81.597	6.529	1621.84	10.28	49.20	0.717
5.50	4896.91	40.426	2.912	1003.62	38.877	81.501	6.529	1625.50	10.29	49.34	0.717
5.52	4917.50	40.420	2.923	1004.64	38.857	81.406	6.530	1629.18	10.30	49.48	0.718
5.54	4938.13	40.413	2.934	1005.68	38.837	81.314	6.530	1632.86	10.31	49.62	0.718
5.56	4958.77	40.407	2.945	1006.72	38.817	81.222	6.531	1636.53	10.32	49.76	0.719
5.58	4979.44	40.400	2.956	1007.75	38.797	81.131	6.532	1640.21	10.33	49.91	0.719
5.60	5000.12	40.393	2.967	1008.78	38.778	81.041	6.532	1643.90	10.34	50.05	0.719
5.62	5020.83	40.387	2.977	1009.80	38.758	80.951	6.533	1647.58	10.35	50.19	0.720

Draft (m)	Displt (t)	LCB (m)	VCB (m)	WPA (m^2)	LCF (m)	KML (m)	KMT (m)	WSA (m^2)	TPC (t/cm)	MTC (t-m/cm)	CB
5.64	5041.56	40.380	2.988	1010.82	38.738	80.862	6.534	1651.26	10.36	50.33	0.720
5.66	5062.31	40.373	2.999	1011.83	38.719	80.774	6.534	1654.95	10.37	50.48	0.721
5.68	5083.08	40.366	3.010	1012.84	38.699	80.685	6.535	1658.63	10.38	50.62	0.721
5.70	5103.87	40.359	3.021	1013.85	38.680	80.598	6.536	1662.32	10.39	50.76	0.721
5.72	5124.68	40.353	3.032	1014.85	38.661	80.511	6.537	1666.01	10.40	50.90	0.722
5.74	5145.52	40.346	3.043	1015.84	38.641	80.424	6.537	1669.70	10.41	51.05	0.722
5.76	5166.36	40.339	3.054	1016.84	38.622	80.338	6.538	1673.39	10.42	51.19	0.723
5.78	5187.24	40.332	3.064	1017.86	38.602	80.255	6.539	1677.09	10.43	51.33	0.723
5.80	5208.14	40.325	3.075	1018.87	38.583	80.172	6.541	1680.79	10.44	51.48	0.723
5.82	5229.05	40.318	3.086	1019.87	38.563	80.089	6.542	1684.49	10.45	51.62	0.724
5.84	5249.99	40.311	3.097	1020.87	38.544	80.006	6.543	1688.19	10.46	51.77	0.724
5.86	5270.94	40.304	3.108	1021.86	38.525	79.924	6.544	1691.89	10.47	51.91	0.725
5.88	5291.92	40.296	3.119	1022.84	38.506	79.842	6.545	1695.59	10.48	52.05	0.725
5.90	5312.91	40.289	3.130	1023.84	38.486	79.762	6.547	1699.29	10.49	52.20	0.726
5.92	5333.93	40.282	3.141	1024.85	38.467	79.683	6.548	1703.00	10.50	52.34	0.726
5.94	5354.97	40.275	3.152	1025.84	38.448	79.604	6.550	1706.71	10.51	52.49	0.726
5.96	5376.03	40.268	3.163	1026.83	38.429	79.525	6.551	1710.42	10.53	52.63	0.727
5.98	5397.10	40.261	3.174	1027.81	38.410	79.445	6.553	1714.13	10.54	52.77	0.727
6.00	5418.20	40.253	3.185	1028.78	38.392	79.363	6.554	1717.83	10.54	52.92	0.728
6.02	5439.32	40.246	3.195	1029.75	38.373	79.282	6.556	1721.54	10.55	53.06	0.728
6.04	5460.45	40.239	3.206	1030.74	38.355	79.203	6.558	1725.24	10.57	53.20	0.728
6.06	5481.61	40.231	3.217	1031.72	38.337	79.122	6.560	1728.95	10.58	53.34	0.729
6.08	5502.79	40.224	3.228	1032.69	38.319	79.041	6.562	1732.65	10.59	53.48	0.729
6.10	5523.99	40.217	3.239	1033.65	38.301	78.959	6.564	1736.35	10.59	53.62	0.730
6.12	5545.21	40.209	3.250	1034.59	38.284	78.876	6.566	1740.04	10.60	53.76	0.730
6.14	5566.44	40.202	3.261	1035.54	38.267	78.792	6.568	1743.74	10.61	53.90	0.730
6.16	5587.70	40.195	3.272	1036.50	38.250	78.711	6.570	1747.44	10.62	54.04	0.731
6.18	5608.97	40.187	3.283	1037.45	38.233	78.628	6.572	1751.13	10.63	54.18	0.731
6.20	5630.27	40.180	3.294	1038.40	38.216	78.545	6.575	1754.83	10.64	54.32	0.732
6.22	5651.58	40.172	3.305	1039.33	38.199	78.461	6.577	1758.52	10.65	54.46	0.732
6.24	5672.91	40.165	3.316	1040.25	38.183	78.376	6.579	1762.21	10.66	54.59	0.732
6.26	5694.27	40.157	3.327	1041.16	38.167	78.290	6.581	1765.90	10.67	54.73	0.733
6.28	5715.64	40.150	3.338	1042.10	38.150	78.207	6.584	1769.59	10.68	54.86	0.733
6.30	5737.03	40.142	3.349	1043.03	38.134	78.122	6.586	1773.28	10.69	55.00	0.734
6.32	5758.43	40.135	3.360	1043.94	38.118	78.037	6.589	1776.96	10.70	55.13	0.734
6.34	5779.86	40.127	3.371	1044.84	38.103	77.950	6.591	1780.65	10.71	55.26	0.734
6.36	5801.31	40.120	3.382	1045.74	38.087	77.863	6.594	1784.33	10.72	55.40	0.735
6.38	5822.78	40.112	3.393	1046.62	38.072	77.776	6.596	1788.01	10.73	55.53	0.735
6.40	5844.26	40.105	3.404	1047.49	38.057	77.688	6.599	1791.68	10.74	55.66	0.736
6.42	5865.75	40.097	3.415	1048.37	38.042	77.601	6.601	1795.36	10.75	55.79	0.736
6.44	5887.27	40.090	3.426	1049.25	38.028	77.514	6.604	1799.04	10.75	55.92	0.737
6.46	5908.81	40.082	3.437	1050.14	38.013	77.427	6.607	1802.72	10.76	56.05	0.737
6.48	5930.36	40.075	3.448	1051.02	37.998	77.341	6.610	1806.39	10.77	56.18	0.737
6.50	5951.93	40.067	3.459	1051.91	37.983	77.255	6.613	1810.07	10.78	56.31	0.738
6.52	5973.53	40.059	3.470	1052.80	37.968	77.169	6.616	1813.75	10.79	56.44	0.738
6.54	5995.13	40.052	3.481	1053.69	37.954	77.083	6.619	1817.43	10.80	56.57	0.739
6.56	6016.76	40.044	3.492	1054.57	37.939	76.997	6.622	1821.10	10.81	56.70	0.739
6.58	6038.40	40.037	3.503	1055.45	37.925	76.911	6.625	1824.78	10.82	56.83	0.739
6.60	6060.07	40.029	3.514	1056.32	37.911	76.825	6.629	1828.45	10.83	56.96	0.740
6.62	6081.75	40.021	3.525	1057.19	37.897	76.739	6.632	1832.12	10.84	57.09	0.740

Draft (m)	Displt (t)	LCB (m)	VCB (m)	WPA (m^2)	LCF (m)	KML (m)	KMT (m)	WSA (m^2)	TPC (t/cm)	MTC (t-m/cm)	CB
6.64	6103.45	40.014	3.536	1058.05	37.883	76.652	6.635	1835.80	10.85	57.21	0.741
6.66	6125.16	40.006	3.547	1058.91	37.870	76.566	6.638	1839.47	10.85	57.34	0.741
6.68	6146.89	39.999	3.558	1059.77	37.856	76.479	6.642	1843.14	10.86	57.47	0.741
6.70	6168.64	39.991	3.569	1060.62	37.843	76.393	6.645	1846.81	10.87	57.59	0.742
6.72	6190.41	39.984	3.580	1061.47	37.830	76.306	6.649	1850.48	10.88	57.72	0.742
6.74	6212.20	39.976	3.591	1062.32	37.817	76.220	6.652	1854.15	10.89	57.84	0.743
6.76	6234.00	39.968	3.602	1063.16	37.804	76.134	6.656	1857.82	10.90	57.97	0.743
6.78	6255.82	39.961	3.613	1064.00	37.792	76.048	6.659	1861.48	10.91	58.10	0.743
6.80	6277.66	39.953	3.624	1064.84	37.779	75.962	6.663	1865.15	10.91	58.22	0.744
6.82	6299.51	39.946	3.635	1065.67	37.767	75.877	6.666	1868.82	10.92	58.34	0.744
6.84	6321.38	39.938	3.646	1066.50	37.755	75.791	6.670	1872.49	10.93	58.47	0.745
6.86	6343.27	39.931	3.657	1067.33	37.743	75.705	6.674	1876.15	10.94	58.59	0.745
6.88	6365.18	39.923	3.668	1068.15	37.731	75.620	6.678	1879.82	10.95	58.72	0.745
6.90	6387.10	39.915	3.679	1068.98	37.719	75.535	6.681	1883.48	10.96	58.84	0.746
6.92	6409.04	39.908	3.690	1069.79	37.708	75.450	6.685	1887.15	10.97	58.96	0.746
6.94	6431.00	39.900	3.701	1070.60	37.696	75.365	6.689	1890.81	10.97	59.09	0.747
6.96	6452.97	39.893	3.712	1071.41	37.685	75.280	6.693	1894.47	10.98	59.21	0.747
6.98	6474.96	39.885	3.723	1072.21	37.674	75.194	6.696	1898.14	10.99	59.33	0.747
7.00	6496.96	39.878	3.734	1073.00	37.664	75.109	6.700	1901.80	11.00	59.45	0.748
7.02	6518.98	39.870	3.745	1073.81	37.653	75.025	6.704	1905.46	11.01	59.57	0.748
7.04	6541.02	39.863	3.756	1074.63	37.642	74.944	6.708	1909.13	11.01	59.70	0.749
7.06	6563.08	39.855	3.767	1075.45	37.632	74.862	6.712	1912.80	11.02	59.82	0.749
7.08	6585.14	39.848	3.778	1076.26	37.622	74.781	6.716	1916.47	11.03	59.94	0.749
7.10	6607.24	39.840	3.789	1077.06	37.611	74.699	6.721	1920.13	11.04	60.07	0.750
7.12	6629.34	39.833	3.801	1077.86	37.602	74.618	6.725	1923.80	11.05	60.19	0.750
7.14	6651.46	39.825	3.812	1078.66	37.592	74.536	6.729	1927.46	11.06	60.31	0.751
7.16	6673.59	39.818	3.823	1079.45	37.582	74.455	6.733	1931.13	11.06	60.43	0.751
7.18	6695.75	39.811	3.834	1080.25	37.573	74.374	6.737	1934.79	11.07	60.55	0.751
7.20	6717.92	39.803	3.845	1081.04	37.563	74.293	6.742	1938.46	11.08	60.68	0.752
7.22	6740.11	39.796	3.856	1081.83	37.554	74.212	6.746	1942.13	11.09	60.80	0.752
7.24	6762.31	39.788	3.867	1082.62	37.544	74.131	6.750	1945.79	11.10	60.92	0.753
7.26	6784.53	39.781	3.878	1083.40	37.535	74.050	6.755	1949.46	11.10	61.04	0.753
7.28	6806.76	39.774	3.889	1084.17	37.526	73.969	6.759	1953.12	11.11	61.16	0.753
7.30	6829.01	39.766	3.900	1084.93	37.518	73.887	6.763	1956.78	11.12	61.27	0.754
7.32	6851.27	39.759	3.911	1085.69	37.509	73.805	6.768	1960.44	11.13	61.39	0.754
7.34	6873.56	39.752	3.922	1086.44	37.501	73.722	6.772	1964.10	11.14	61.51	0.754
7.36	6895.85	39.744	3.933	1087.19	37.493	73.640	6.777	1967.76	11.14	61.63	0.755
7.38	6918.16	39.737	3.944	1087.94	37.484	73.559	6.781	1971.42	11.15	61.74	0.755
7.40	6940.49	39.730	3.955	1088.70	37.476	73.478	6.786	1975.09	11.16	61.86	0.756
7.42	6962.83	39.722	3.966	1089.48	37.467	73.399	6.790	1978.75	11.17	61.98	0.756
7.44	6985.19	39.715	3.977	1090.24	37.459	73.320	6.795	1982.42	11.18	62.10	0.756
7.46	7007.57	39.708	3.988	1091.00	37.450	73.240	6.800	1986.09	11.18	62.22	0.757
7.48	7029.96	39.701	4.000	1091.75	37.442	73.160	6.805	1989.75	11.19	62.33	0.757
7.50	7052.36	39.694	4.011	1092.49	37.435	73.080	6.809	1993.41	11.20	62.45	0.758
7.52	7074.78	39.686	4.022	1093.22	37.427	72.999	6.814	1997.07	11.21	62.56	0.758
7.54	7097.22	39.679	4.033	1093.96	37.420	72.919	6.819	2000.74	11.21	62.68	0.758
7.56	7119.67	39.672	4.044	1094.69	37.412	72.839	6.824	2004.40	11.22	62.80	0.759
7.58	7142.12	39.665	4.055	1095.43	37.405	72.760	6.828	2008.07	11.23	62.91	0.759
7.60	7164.61	39.658	4.066	1096.18	37.397	72.683	6.833	2011.73	11.24	63.03	0.760
7.62	7187.11	39.651	4.077	1096.93	37.390	72.605	6.838	2015.40	11.24	63.14	0.760

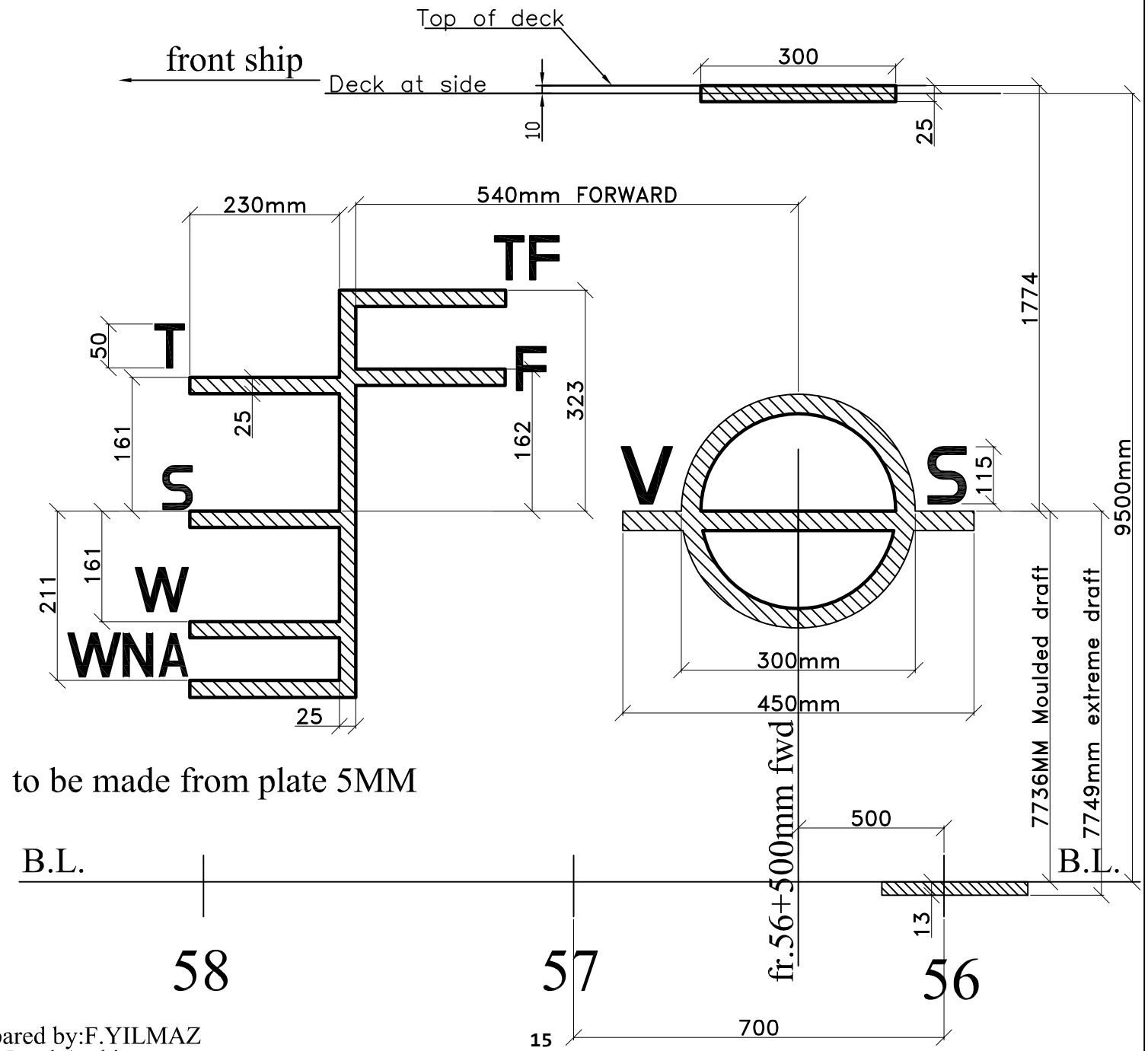
Draft (m)	Displt (t)	LCB (m)	VCB (m)	WPA (m^2)	LCF (m)	KML (m)	KMT (m)	WSA (m^2)	TPC (t/cm)	MTC (t-m/cm)	CB
7.64	7209.62	39.644	4.088	1097.68	37.382	72.528	6.844	2019.07	11.25	63.26	0.760
7.66	7232.14	39.637	4.099	1098.43	37.375	72.450	6.849	2022.73	11.26	63.38	0.761
7.68	7254.69	39.630	4.110	1099.17	37.367	72.373	6.854	2026.40	11.27	63.49	0.761
7.70	7277.24	39.623	4.121	1099.90	37.360	72.295	6.859	2030.06	11.27	63.60	0.761
7.72	7299.81	39.616	4.132	1100.62	37.353	72.217	6.864	2033.73	11.28	63.72	0.762
7.74	7322.40	39.609	4.143	1101.34	37.346	72.138	6.869	2037.39	11.29	63.83	0.762
7.76	7345.00	39.602	4.154	1102.06	37.340	72.060	6.874	2041.05	11.30	63.94	0.763
7.78	7367.62	39.595	4.166	1102.77	37.333	71.981	6.879	2044.72	11.30	64.06	0.763
7.80	7390.25	39.588	4.177	1103.47	37.327	71.902	6.885	2048.38	11.31	64.17	0.763
7.82	7412.89	39.581	4.188	1104.17	37.320	71.823	6.890	2052.04	11.32	64.28	0.764
7.84	7435.56	39.574	4.199	1104.87	37.314	71.745	6.895	2055.70	11.32	64.39	0.764
7.86	7458.22	39.567	4.210	1105.58	37.307	71.668	6.900	2059.37	11.33	64.50	0.764
7.88	7480.91	39.560	4.221	1106.29	37.301	71.592	6.906	2063.04	11.34	64.61	0.765
7.90	7503.61	39.553	4.232	1106.99	37.294	71.515	6.911	2066.70	11.35	64.73	0.765
7.92	7526.33	39.546	4.243	1107.69	37.288	71.438	6.916	2070.37	11.35	64.84	0.766
7.94	7549.06	39.540	4.254	1108.38	37.282	71.360	6.922	2074.03	11.36	64.95	0.766
7.96	7571.80	39.533	4.265	1109.06	37.276	71.282	6.927	2077.69	11.37	65.06	0.766
7.98	7594.57	39.526	4.276	1109.74	37.270	71.204	6.932	2081.36	11.37	65.17	0.767
8.00	7617.34	39.519	4.287	1110.41	37.265	71.126	6.937	2085.02	11.38	65.27	0.767

M/V ALI HRZ–PLIMSOL MARK ON STARBOARD SIDE



Prepared by:F.YILMAZ
Bsc.Naval Architect

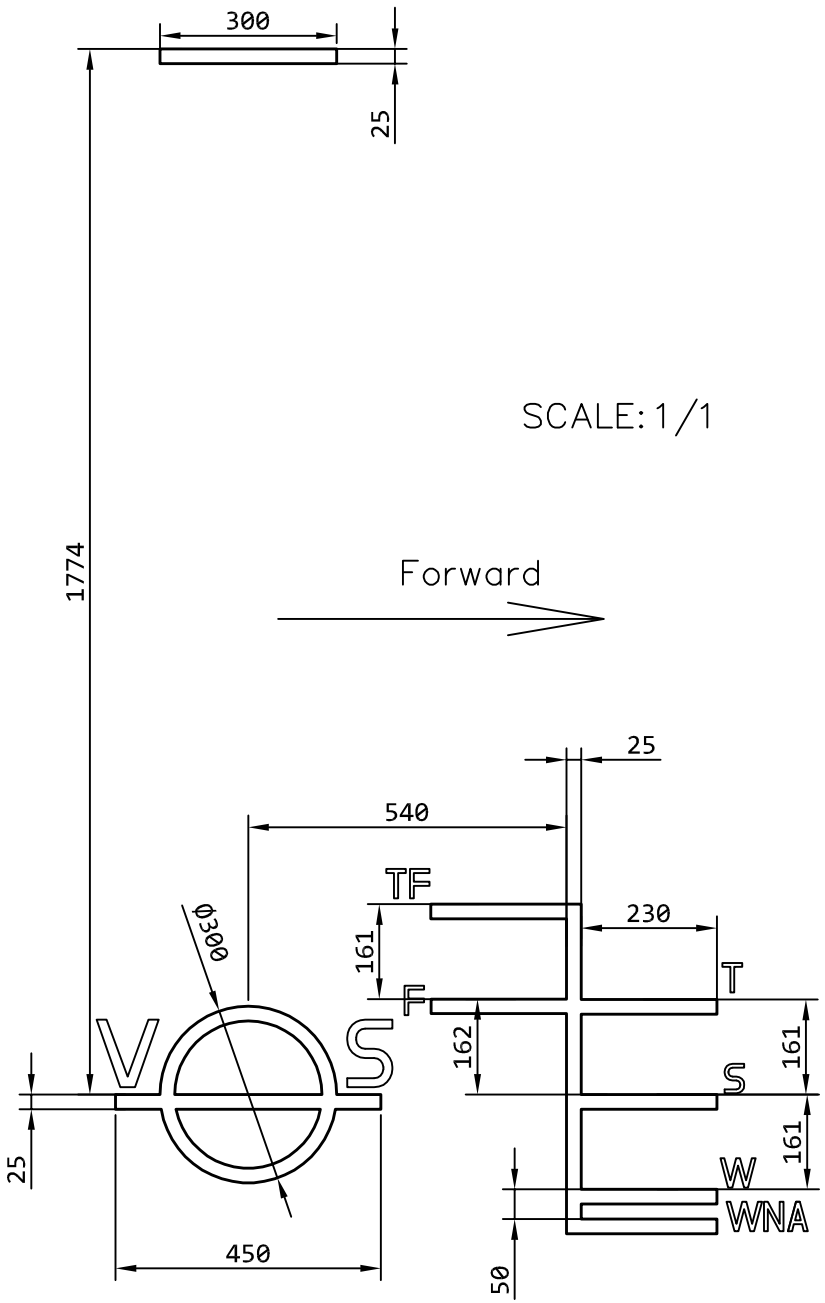
MV ALI HRZ–PLIMSOL MARK ON PORT SIDE



to be made from plate 5MM

Prepared by:F.YILMAZ
Bsc.Naval Architect

PLIMSOL MARKS WORKSHOP AUTO-CAD FORMAT



7 Deadweight Tables

7 Tonaj Tablosu

▪	**DEPTH FOR FREEBOARD**						
DEPTH MOULDED	:	9.500	Metres				
THICKNESS OF MAIN DECK STRINGER PLATE	:	0.010	Metres				
THICKNESS OF FLAT KEEL PLATE	:	0.000	Metres				
DECK LINE ABOVE BOTTOM OF KEEL	:	9.510	Metres				

[THE UPPER EDGE OF THE DECK LINE FROM WICH THESE FREEBOARDS ARE MESURED IS 0 MM BELOW THE TOP OF THE STEEL UPPER DECK AT SIDE]

▪**LIGHTWEIGHT**	:	1442.00	tonne		

▪DEADWEIGHT

LOAD LINE(from top of keel)		FREEBOARD	DRAFT (Mld)	DRAFT (Ext.)	DISPLACEMENT	DEADWEIGHT
		Metres	Metres	Metres	Tonnes	Tonnes
SUMMER FREEBOARD	S	1.774	7.736	7.749	7317.88	5875.88
TROPICAL FREEBOARD	T	1.613	7.897	7.910	7500.21	6058.21
FRESH WATER FRB	F	1.612	7.898	7.911	7501.35	6059.35
WINTER FREEBOARD	W	1.935	7.575	7.588	7136.51	5694.51
NOR. ATLANT.FRB.	WNA	1.985	7.525	7.538	7080.39	5638.39