CAPACITY PLAN WITH DWT SCALE

TANK CAPACITY SUMMARY TABLE

WATER BALLAST TANKS (S.G=1.025)

COMPARTMENT	LOCATION (FR.NO.)	CAPACITIES 100.0% VOLUME (m3)	CAPACITIES 100.0% WEIGHT (MT)	100.0% FULL L.C.G FROM A.P(m)	100.0% FULL V.C.G FROM B.L(m)	MAX. MT OF INERTIA (m4)
FWD D/B W.B.T.(C)	106 - 133	1376.2	1410.6	195.487	1.386	42167
NO.1 W.B.T.(P)	94 - 106	3328.7	3403.7	164.855	5.850	24825
NO.1 W.B.T.(S)	94 - 106	3378.9	3458.3	165158	50780	25968
NO.1 HOLD B. T.(C)	102 - 105	1642.0	1683.0	176.960	11.163	1238
NO.1 HOLD B. T.(P)	94 - 102	3583.5	3673.0	161.339	9.086	4084
NO.1 HOLD B. T.(S)	94 - 102	1495.2	1532.6	161.123	6.046	3966
NO.2 W.B.T.(P)	83 - 94	2906.6	2979.2	131.466	5.338	17910
NO.2 W.B.T.(S)	83 - 94	2906.6	2979.2	131.466	5.338	17910
NO.2 HOLD B. T.(P)	90 - 94	2542.8	2606.4	140.801	11.140	2042
NO.2 HOLD B. T.(S)	90 - 94	2542.8	2606.4	140.801	11.140	2042
NO.2 HOLD B. T.(C)	90 - 94	2630.0	2695.8	140.799	11.154	2076
NO.3 W.B.T.(P)	76 - 83	2051.7	2102.9	100.314	5.300	14520
NO.3 W.B.T.(S)	76 - 83	2051.7	2102.9	100.314	5.300	14520
NO.3 HOLD B. T.(P)	83 - 90	4446.2	4557.4	123.200	11.146	3574
NO.3 HOLD B. T.(S)	83 - 90	4446.2	4557.4	123.200	11.146	3574
NO.4 W.B.T.(P)	69 - 76	2179.2	2233.7	78.400	5.075	17028
NO.4 W.B.T.(S)	69 - 76	2179.2	2233.7	78.400	5.075	17028
NO.4 HOLD B. T.(P)	76 - 83	4448.3	4559.5	100.797	11.143	3574
NO.4 HOLD B. T.(S)	76 - 83	4448.3	4559.5	100.797	11.143	3574
NO.5 W.B.T.(P)	58 - 69	1941.0	1989.5	57.140	5.231	13991
NO.5 W.B.T.(S)	58 - 69	1941.0	1989.5	57.140	5.231	13991
NO.6 W.B.T. (P)	13 - 58	3430.7	3516.4	28.059	5.708	19158
NO.6 W.B.T. (S)	13 - 58	3433.3	3519.1	28.051	5.704	19330
A.P.T.(P)	0 - 13	1841.1	1887.1	5.012	12.798	3795
A.P.T.(S)	0 - 13	1605.7	1645.8	4.990	12.641	3772
SUB TOTAL		68763.7	70482.8			

FRESH WATER TANKS (S.G=1.000)

COMPARTMENT	LOCATION (FR.NO.)	CAPACITIES 100.0% VOLUME (m3)	CAPACITIES 100.0% WEIGHT (MT)	100.0% FULL L.C.G FROM A.P(m)	100.0% FULL V.C.G FROM B.L(m)	MAX. MT OF INERTIA (m4)
NO.1 F.W.T(P)	122 - 133	466.3	466.3	202.861	7.135	176
NO.1 F.W.T(S)	122 - 133	466.3	466.3	202.861	7.135	176
F.W.T.	2 - 13	343.6	343.6	5.860	15.039	74
F.W.T. FOR LOCAL F/FIGHT	10 - 13	15.0	15.0	9.200	12.547	1
SUB TOTAL		1291.3	1291.3			

DIESEL OIL TANKS (S.G=0.900)

COMPARTMENT	LOCATION (FR.NO.)	CAPACITIES 100.0% VOLUME (m3)	CAPACITIES 98.0% VOLUME (m3)	98.0% FULL WEIGHT (MT)	98.0% FULL L.C.G FROM A.P(m)	98.0% FULL V.C.G FROM B.L(m)	MAX. MT OF INERTIA (m4)
FWD D.O.T.(S)	104 - 105	328.4	321.8	289.6	180.800	10.996	64
NO.1 D.O.STOR.T.(P)	67 - 69	1270.5	1245.1	1120.6	64.000	10.983	1021
NO.1 D.O.STOR.T.(S)	67 - 69	1270.5	1245.1	1120.6	64.000	10.983	1021
NO.2 D.O.STOR.T.(P)	58 - 67	2310.8	2264.6	2038.2	54.732	13.002	1857
NO.2 D.O.STOR.T.(S)	58 - 67	2299.7	2253.7	2028.3	54.765	10.968	1857
D.O.SERV.T.(P)	58 - 64	547.0	536.1	483.2	48.800	10.903	136
D.O.SERV.T.(S)	58 - 64	521.1	510.7	459.6	48.868	10.535	136
SUB TOTAL		8548.9	8378.0	7540.2			

LUBRICATING OIL TANKS (S.G=0.9001)

COMPARTMENT	LOCATION (FR.NO.)	CAPACITIES 100.0% VOLUME (m3)	CAPACITIES 90.0% VOLUME (m3)	90.0% FULL WEIGHT (MT)	90.0% FULL L.C.G FROM A.P(m)	90.0% FULL V.C.G FROM B.L(m)	MAX. MT OF INERTIA (m4)
L.O.STOR.T.(P)	18 - 24	52.3	47.1	42.4	16.800	16.720	5
L.O.STOR.T.(S)	19 - 24	43.6	39.3	35.3	17.200	16.720	4
L.O.SETT.T.(P)	13 - 18	43.6	39.3	35.3	12.400	16.720	4
L.O.SETT.T.(S)	14 - 19	43.6	39.3	35.3	13.200	16.720	4
L.O.DRAIN T.(P)	24 - 27	3.1	2.8	2.5	20.419	10.060	1
L.O.DRAIN T.(S)	24 - 27	3.1	2.8	2.5	20.419	10.060	1
SUB TOTAL		189.4	170.4	153.4			

MISC. TANKS

COMPARTMENT	LOCATION (FR.NO.)	CAPACITIES 100.0% VOLUME (m3)	100.0% FULL L.C.G FROM A.P(m)	100.0% FULL V.C.G FROM B.L(m)	MAX. MT OF INERTIA (m4)
BILGE HOLDING T.(FWD)(P)	105 - 106	37.5	184.039	0.969	64
BILGE HOLDING T.(AFT)(C)	41 - 45	54.5	34.400	2.107	511
SEP.BILGE OIL T.(S)	45 - 47	10.2	36.800	2.107	13
M.D.O.OVERFLOW/DRAIN T.(	45 - 49	38.6	37.760	2.407	1576
FURL.SLUDGE T.(P)	49 - 58	23.0	42.800	2.107	8
FURL.SLUDGE T.(S)	49 - 58	23.0	42.800	2.107	8
DRAIN HOLDING T.(FWD)(S)	94 - 95	35.9	148.800	14.590	8
DRAIN HOLDING T.(P)	64 - 67	985.2	56.000	11.163	191
DRAIN HOLDING T.(S)	64 - 67	985.2	56.000	11.163	191
SUB TOTAL		2253.1			

DRILLING TANKS

COMPARTMENT	LOCATION (FR.NO.)	CAPACITIES 100.0% VOLUME (m3)	100.0% FULL L.C.G FROM A.P(m)	100.0% FULL V.C.G FROM B.L(m)	MAX. MT OF INERTIA (m4)
DRILLING W.T.(P)	106 - 122	1198.7	191.787	7.216	1850
DRILLING W.T.(S)	106 - 122	1217.9	191.546	7.298	1735
SUB TOTAL		2416.6			

MUD TANK

COMPARTMENT	LOCATION (FR.NO.)	CAPACITIES 100.0% VOLUME (m3)	100.0% FULL L.C.G FROM A.P(m)	100.0% FULL V.C.G FROM B.L(m)	MAX. MT OF INERTIA (m4)
NO.1 BASE OIL T.(P)	96 - 98	743.5	150.513	16.048	3606
NO.1 BRINE T.(P)	98 - 100	252.5	163.200	16.129	128
NO.2 BRINE T.(P)	98 - 100	245.0	163.800	16.034	128
NO.3 BRINE T.(P)	96 - 98	252.5	156.800	16.123	128
NO.3 RESERVE PIT T.	96 - 98	256.8	157.018	10.458	143
NO.4 RESERVE PIT T.	96 - 98	237.5	157.018	10.446	115
NO.5 RESERVE PIT T.	94 - 96	266.1	150.493	10.482	145
NO.6 RESERVE PIT T.	94 - 96	248.1	150.497	10.467	119
NO.1 RESERVE PIT T.	98 - 100	256.8	163.425	10.458	143
NO.2 RESERVE PIT T.	98 - 100	237.5	163.412	10.446	115
WASTE MUD T.	100 - 102	443.8	169.704	10.905	529
SUB TOTAL		3440.6			

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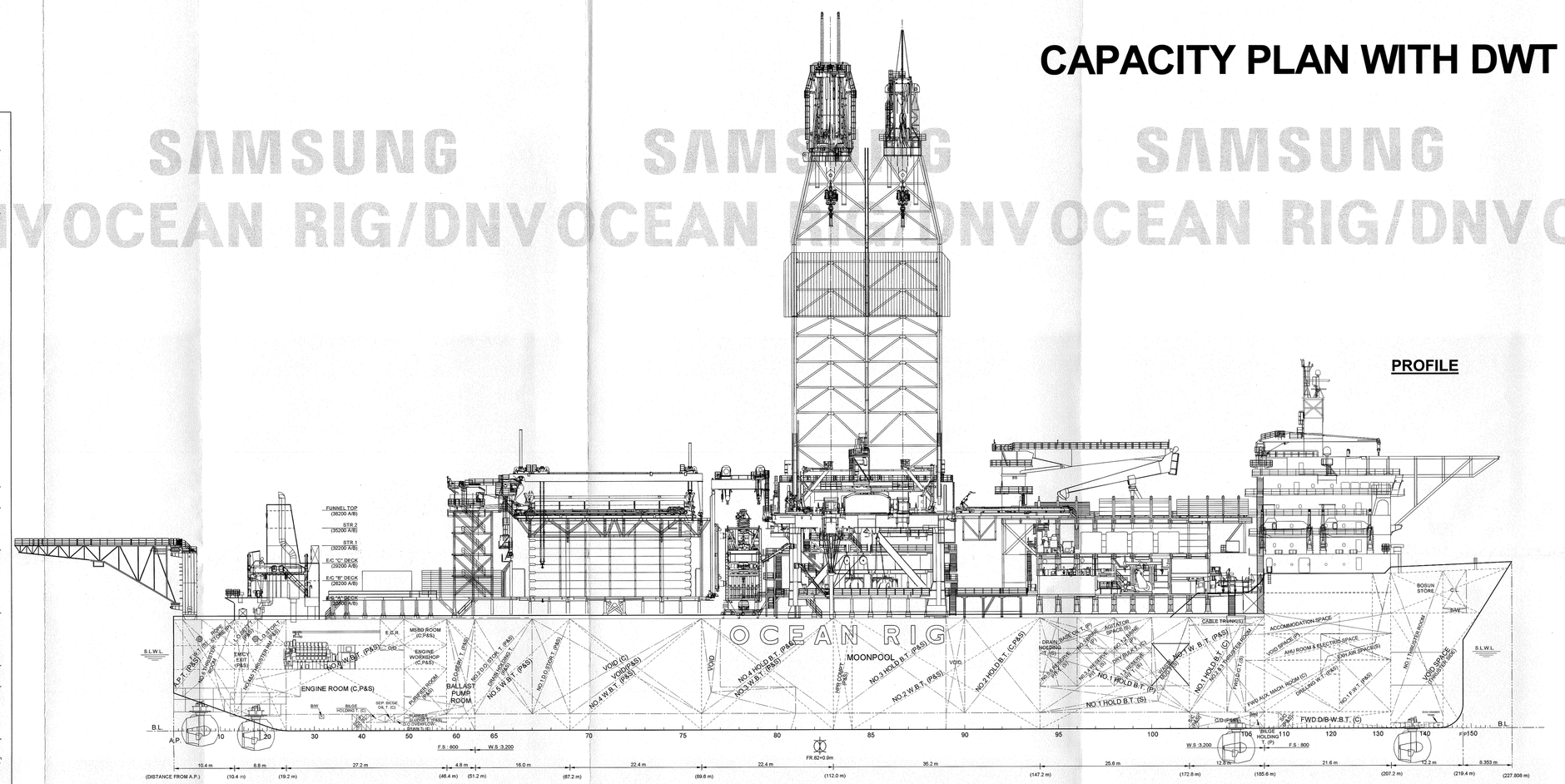
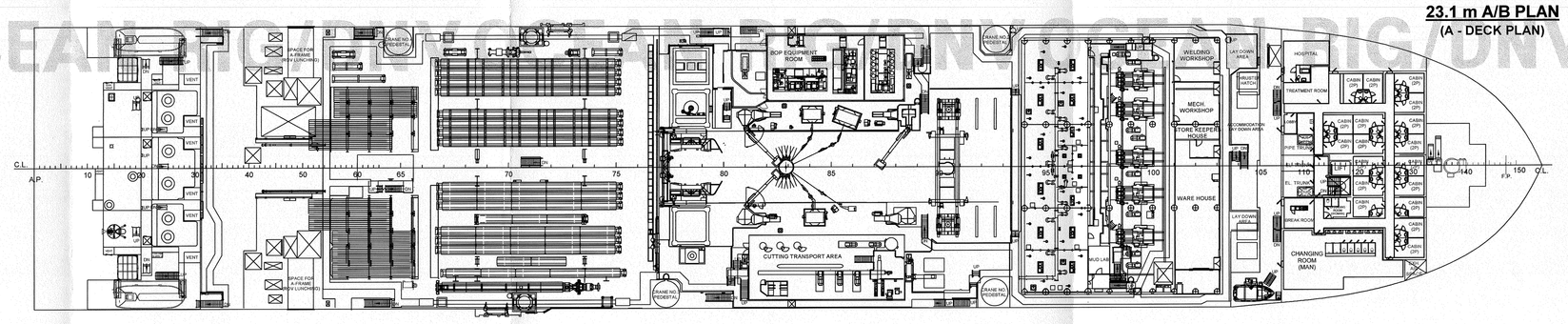
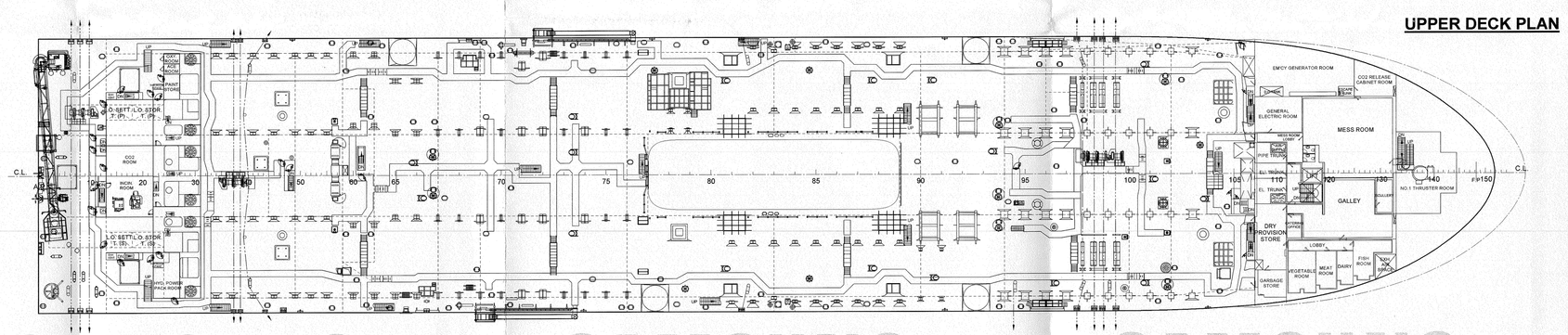
PROFILE



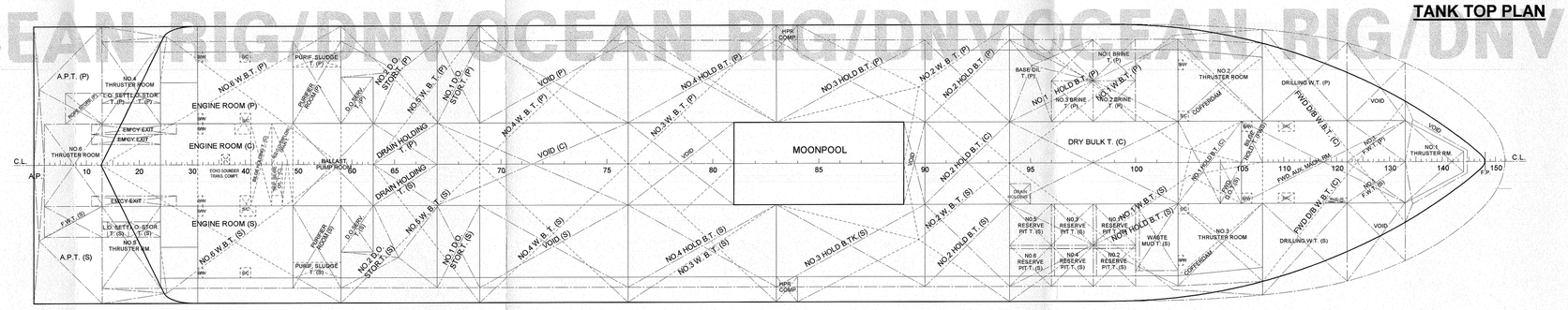
23.1 m A/B PLAN
(A - DECK PLAN)

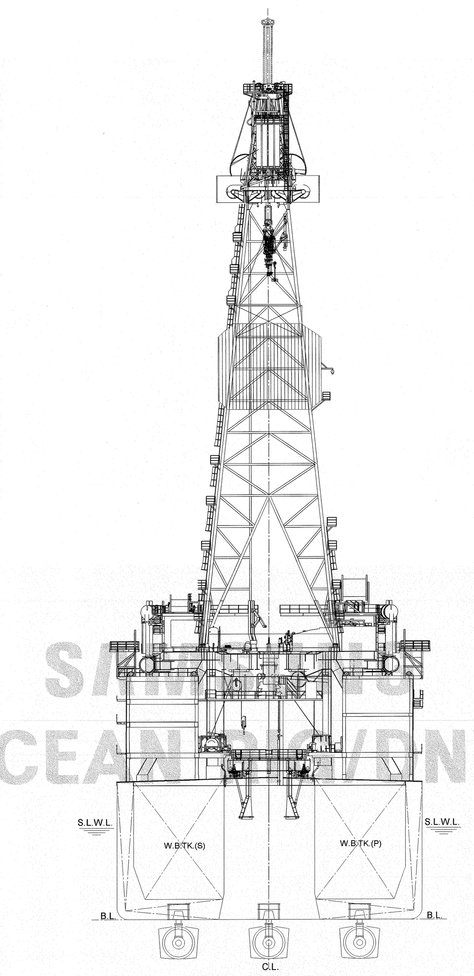


UPPER DECK PLAN

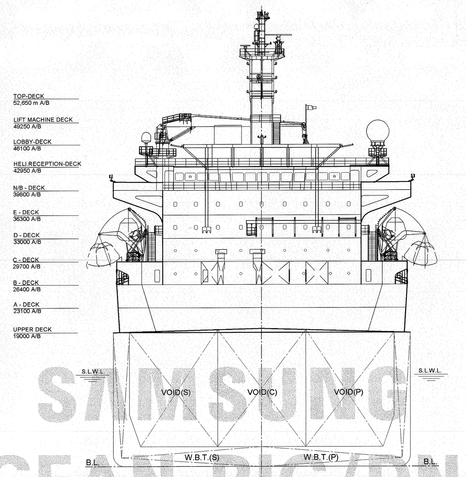


TANK TOP PLAN





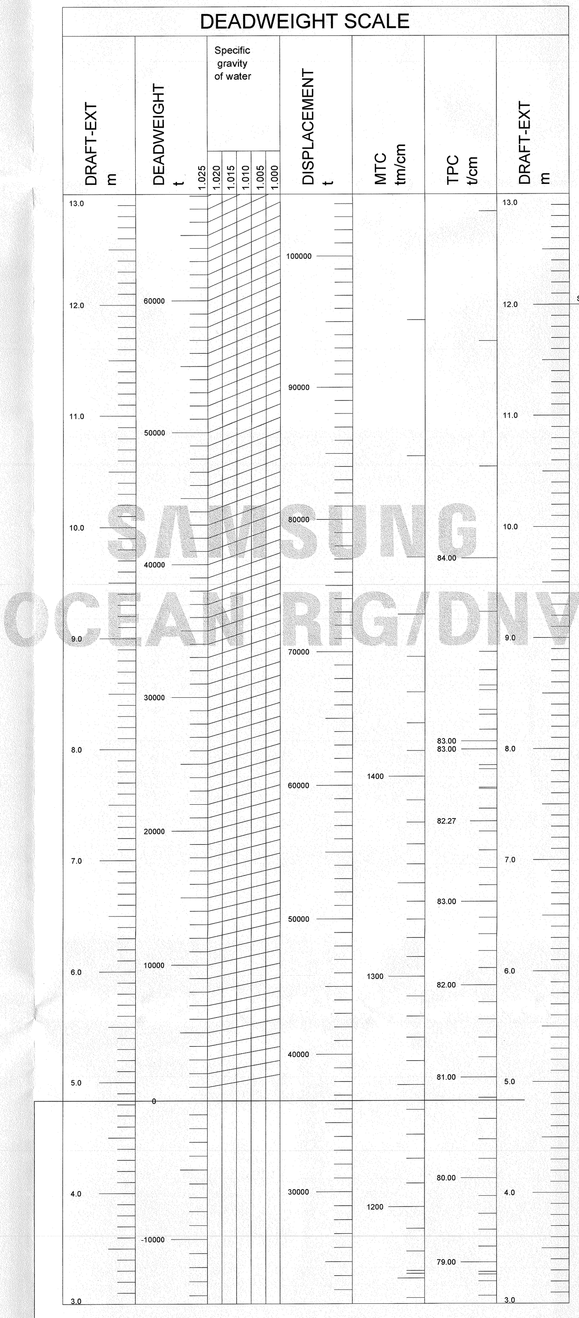
MIDSHIP SECTION
(LOOKING AFT)



TYPICAL SECTION
(LOOKING AFT)

DEADWEIGHT SCALE(PRE.)

IT WAS CALCULATED ACCORDING TO PRELIMINARY LWT.
THE FINAL DWT SCALE WILL BE APPLIED AFTER THE DEADWEIGHT MEASUREMENT)

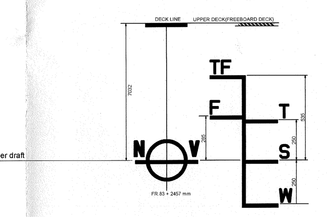


LIGHTSHIP CONDITION

- LIGHTWEIGHT : 36,600.0 MT
- LCG : 113.410 m FROM A.P
- VCG : 21.200 m AB

FREEBOARD, DRAFT & DEADWEIGHT TABLE

FREEBOARD		FREEBOARD (m)	DRAFT(EXT.) (m)	DISPLACEMENT (MT)	DEADWEIGHT (MT)
TROPICAL FRESH WATER	TF	6.497	12.553	98,568.2	61,968.2
FRESH WATER	F	6.747	12.313	96,506.0	59,906.0
TROPICAL SALT WATER	T	6.792	12.278	96,622.8	62,022.8
SUMMER SALT WATER	S	7.032	12.028	96,510.3	59,910.3
WINTER SALT WATER	W	7.282	11.778	94,398.9	57,798.9



PRINCIPAL DIMENSIONS

LENGTH O. A. (EXCLUDING HELI. DECK)	227.819 m
LENGTH B. P.	219.400 m
BREADTH (MOULDED)	42.000 m
DEPTH (MOULDED)	19.000 m
SCANTLING DRAUGHT (MOULDED)	13.000 m
OPERATING DRAUGHT (MOULDED)	12.000 m
TRANSIT DRAUGHT (MOULDED)	8.500 m

PLAN HISTORY

Rev.	Date	Reason for issue	Prepared by	Checked by	Approved by
-	16 Mar. 2012	Prepared by General Design	H. J. Ahn	K. B. Chung	J. H. Park

2032	9632557
2013	9632545
1979	9632533
Hull No.	IMO No.

Registration ; Marshall Islands

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Hull No.:	1979/2013/2032
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Checked by :	K. B. Chung
Prepared by :	H. J. Ahn
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Class.	DNV
Ship name :	
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Unit:	mm
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