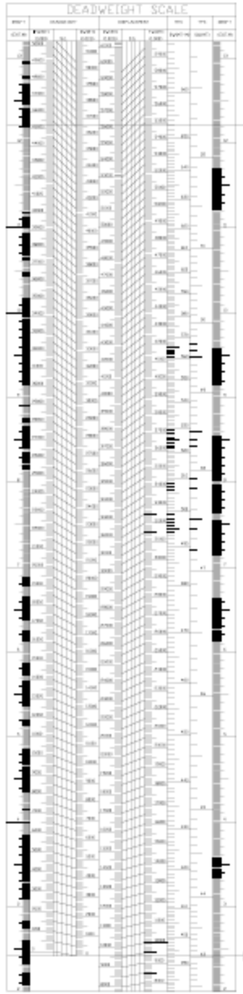
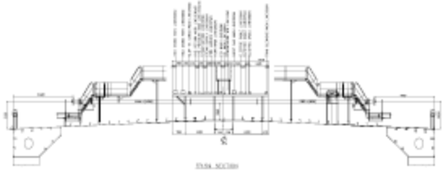
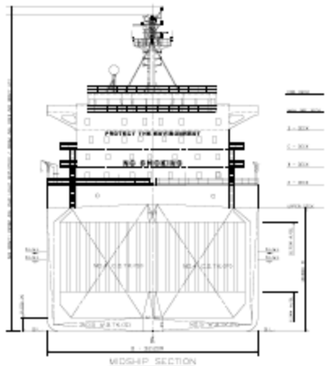
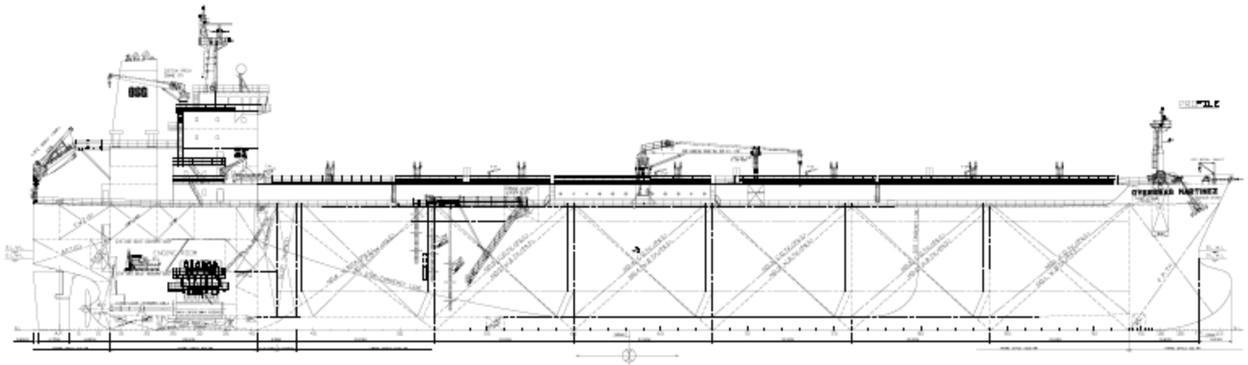
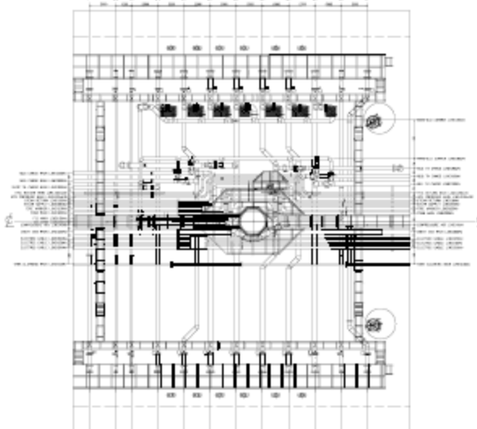
CAPACITY PLAN WITH DEADWEIGHT SCALE

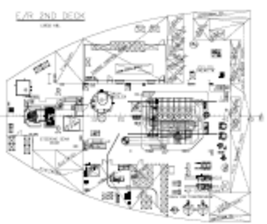


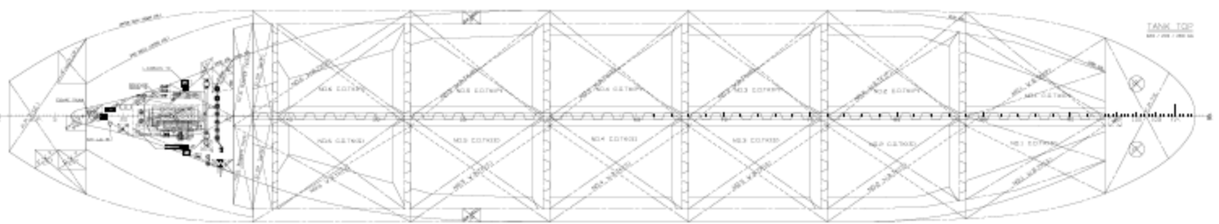


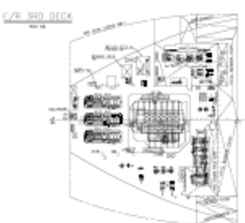


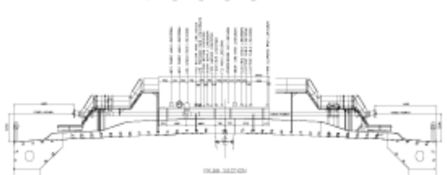












INTERNATIONAL TONNAGE	
GROSS TONNAGE	29,696 TONS
NET TONNAGE	11,505 TONS

SUEZ TONNAGE	
GROSS TONNAGE	30,604 TONS
NET TONNAGE	49,336 TONS

PANAMA CANAL TONNAGE	11,505 TONS

DRAFT (FEET)	DISPLACEMENT (LONG TONS)	DEAD WEIGHT (LONG TONS)	LCB (FEET AFT OF MIDSHIP)	TRIM (FEET)
31	40,980	31,230	280.889	+01.402
30	40,643	30,893	274.876	+00.279
29	40,258	30,475	275.378	+00.051
28	39,867	30,084	276.092	-00.280
27	39,518	29,762	276.917	-00.648

LCB (FEET) = AFT (+) FWD (-) MIDSHIP

C.O. & SLOP TANK

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	MASS (LONG TONS)	TANK DENSITY (LONG TONS/CU. FT.)	CENTER OF GRAVITY (M) VCG (FROM BASE)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
NO. CARGO TANK (P)	80.0-92.0	2,326.9	2,362.4	1.0153	12.62	+21.49	2.84%
NO.4 CARGO TANK (S)	80.0-92.0	2,326.9	2,362.4	1.0153	12.62	+21.49	2.84%
NO.3 CARGO TANK (P)	70.0-84.0	4,033.4	4,093.0	1.0148.7	12.60	+13.85	4.08
NO.3 CARGO TANK (S)	70.0-84.0	4,033.4	4,093.0	1.0148.7	12.60	+13.85	4.08
NO.2 CARGO TANK (P)	60.0-74.0	4,196.4	4,260.0	1.0153	12.89	-02.78	7.17%
NO.2 CARGO TANK (S)	60.0-74.0	4,196.4	4,260.0	1.0153	12.89	-02.78	7.17%
NO.1 CARGO TANK (P)	49.0-60.0	4,156.5	4,662.8	1.0120.2	12.857	-1.59	12.17
NO.1 CARGO TANK (S)	49.0-60.0	4,156.5	4,662.8	1.0120.2	12.857	-1.59	12.17
NO.5 CARGO TANK (P)	35.0-50.0	4,138.0	4,199.0	1.0150.2	13.805	-13.08	12.17
NO.5 CARGO TANK (S)	35.0-50.0	4,138.0	4,199.0	1.0150.2	13.805	-13.08	12.17
NO.6 CARGO TANK (P)	19.0-34.0	4,889.5	4,959.8	1.0145.5	13.681	-25.55	14.92
NO.6 CARGO TANK (S)	19.0-34.0	4,889.5	4,959.8	1.0145.5	13.681	-25.55	14.92
SLOP TANK (P)	10.0-19.0	1,965.3	1,993.7	1.0145.0	12.979	-37.51	16.3
SLOP TANK (S)	10.0-19.0	1,965.3	1,993.7	1.0145.0	12.979	-37.51	16.3
T O T A L		31,869.9	32,324.6	1.0145.4	12.979	-15.45	9.2%

VOID SPACES

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
ENGR'S STORE VOID (S)	100.0-102.0	1,981	20.807	6.80	
CVR DBL BTM CUFFERDAM (S)	102.0-106.0	413	1.438	-164.0	
CVR COFFERDAM (P)	106.0-120	2,942	21.823	-116.73	
CVR COFFERDAM (S)	106.0-120	2,942	21.823	-116.73	
CVR VOID COFFERDAM (S)	106.0-107.0	82	1.0545	-162.69	
T O T A L		8,360.7	14.866	-140.67	

WATER BALLAST TANK

SOUNDS RATED =1.0284000

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	WEIGHT (MT = 1.704)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
F. P. TK. (C)	150.0-172	2,402.5	2,455.2	24.550	85.12	7.654
W.B. WST. (P)	84.0-102.0	7,937.7	7,981.3	7.629	19.66	7.984
W.B. WST. (S)	84.0-102.0	7,945.0	8,002.1	7.651	19.63	7.968
W.B. WST. (P)	74.0-84.0	5,879.2	5,972.3	7.708	9.527	8.126
W.B. WST. (S)	74.0-84.0	5,880	5,754.4	5.500	-10.17	3.263
W.B. WST. (P)	59.0-74.0	8,801.9	8,994.8	7.685	23.80	9.966
W.B. WST. (S)	59.0-74.0	8,801.9	8,994.8	7.685	23.80	9.966
W.B. WST. (P)	49.0-59.0	3,826.8	3,912.3	7.640	23.61	9.961
W.B. WST. (S)	49.0-59.0	3,826.8	3,912.3	7.640	23.61	9.961
W.B. WST. (P)	35.0-49.0	7,551	7,720.0	7.699	2.21	12.43
W.B. WST. (S)	35.0-49.0	7,551	7,720.0	7.699	2.21	12.43
W.B. WST. (P)	19.0-35.0	7,949.8	8,127.2	7.6402	-15.77	9.73
W.B. WST. (S)	19.0-35.0	7,949.8	8,127.2	7.6402	-15.77	9.73
A. P. TK. (C)	10.0-19.0	2,884.4	2,949.0	7.6402	-36.25	16.51
W.B. WST. (P)	4.0-10.0	2,020.4	2,065.8	7.642	-47.39	16.87
W.B. WST. (S)	4.0-10.0	2,020.4	2,065.8	7.642	-47.39	16.87
A. P. TK. (C)	-4.7-10.0	3,877.4	3,964	6.909	-48.61	6.898
T O T A L		84,960.4	86,895.1	6.968	13.31	

COOLING WATER TANK

SOUNDS RATED =1.0284 1000

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	WEIGHT (MT = 1.704)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
AFT E.R. TK. (S)	80-110	13.0	13.47	3.440	-89.08	0
T O T A L		26.0	26.9	3.440	-89.08	

FRESH WATER TANK

SOUNDS RATED =1.0284 1000

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	WEIGHT (MT = 1.704)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
F. W. TK. (P)	6.0-20.0	1,960	2,019	14.700	-80.8	7.4
F. W. TK. (S)	6.0-20	1,960.5	2,020	14.700	-80.82	7.5
D. W. TK. (S)	6.0-20	541	557.1	15.008	-80.20	3
T O T A L		4,461.5	4,596.4	14.852	-80.61	

FUEL OIL TANK

SOUNDS RATED =0.9504 1000

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	WEIGHT (MT = 1.704)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
F.O. BUNKER TK. (P)	20.0-42.0	5,855.3	5,980.7	11.140	-99.58	9.89%
F.O. BUNKER TK. (S)	20.0-42.0	5,866.1	5,991.7	11.162	-99.58	9.89%
F.O. SERV. TK. (P)	44.0-49.0	362.3	370.1	10.773	-110.28	3
F.O. SETT. TK. (S)	44.0-49.0	402.6	411.2	10.773	-110.28	3
L.S.H.F.O. BUNKER T. (S)	31.0-42.0	1,721	1,757.9	11.436	-79.08	0
T O T A L		14,207.3	14,511.6	11.164	-99.66	

DIESEL OIL TANK

SOUNDS RATED =0.9504 1000

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	WEIGHT (MT = 1.704)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
M.G.O. SERV. TK. (P)	29.0-34.0	215.7	220.3	13.869	-96.08	3
M.G.O. SERV. TK. (S)	29.0-34.0	215.7	220.3	13.869	-96.08	3
M.G.O. SETT. TK. (P)	34.0-42.0	419.8	428.8	11.767	-99.19	7
M.G.O. SETT. TK. (S)	34.0-42.0	419.8	428.8	11.767	-99.19	7
T O T A L		1,271.0	1,298.6	12.802	-97.63	

LUBRICATING OIL TANK

SOUNDS RATED =0.9504 1000

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	WEIGHT (MT = 1.704)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
M.E.L.O. STOR. TK. (P)	23.0-32.0	46.1	47.1	13.290	-107.44	2
M.E.L.O. SETT. TK. (P)	29.0-32.0	26.7	27.3	13.755	-103.8	1
G.E. L.O. STOR. TK. (P)	32.0-37.0	8.1	7.2	13.700	-104.88	0
G.E. L.O. SETT. TK. (P)	34.0-37.0	8.1	7.2	13.700	-104.88	0
M.E. SYS. OIL STOR. TK. (P)	31.0-38.0	38.0	38.1	13.705	-107.88	2
M.E. SYS. OIL STOR. TK. (P)	29.0-38.0	49.8	50.9	13.705	-109.85	1
HYDR. L.O. SUMP TK. (C)	29.0-38.0	17.8	18.7	1.856	-92.49	4
STT. L.O. SUMP TK. (S)	29.0-38.0	1.8	1.8	1.869	-77.06	0
HYDRAULIC OIL TK. (S)	27.0-43.0	11.5	11.6	13.670	-73.90	0.8
AUT. SYS. LUB. OIL SUMP TK. (S)	29.0-32.0	1.1	1.1	11.705	-69.35	0
T O T A L		1,879	1,919.1	13.280	-94.78	

MISCELLANEOUS TANK

SOUNDS RATED =0.9504 1000

COMPARTMENTS	LOCATION (FR. NO.)	VOLUME (100% CAP.)	WEIGHT (MT = 1.704)	CENTER OF GRAVITY (M) VCG (FROM BL)	LCG (FROM MIDSHIP)	TRIM (+ AFT)
H.T.D. SYSTEM TK. (P)	37.0-42	21.5	21.5	1.875	-118.44	0.9
SLOP TANK TK. (P)	89.0-99.0	56.6	58.5	1.956	-144.88	0
BILGE HOLDING TK. (S)	73.0-83.0	32.8	44.0	1.700	-114.26	0.5
S.D.B.D. TK. (P)	30.0-38.0	5.0	5.7	13.700	-109.9	4
H.P.S. OIL SYS. TK. (P)	40.0-42.0	17.0	17.1	13.900	-126.76	3
SEWAGE HOLDING TK. (P)	23.0-28.0	7.8	8.9	12.900	-75.56	1
BILGE HOLDING TK. (P)	89.0-99.0	9.0	9.9	13.200	-148.9	4
T O T A L		149.7	158.1	9.603	-127.91	