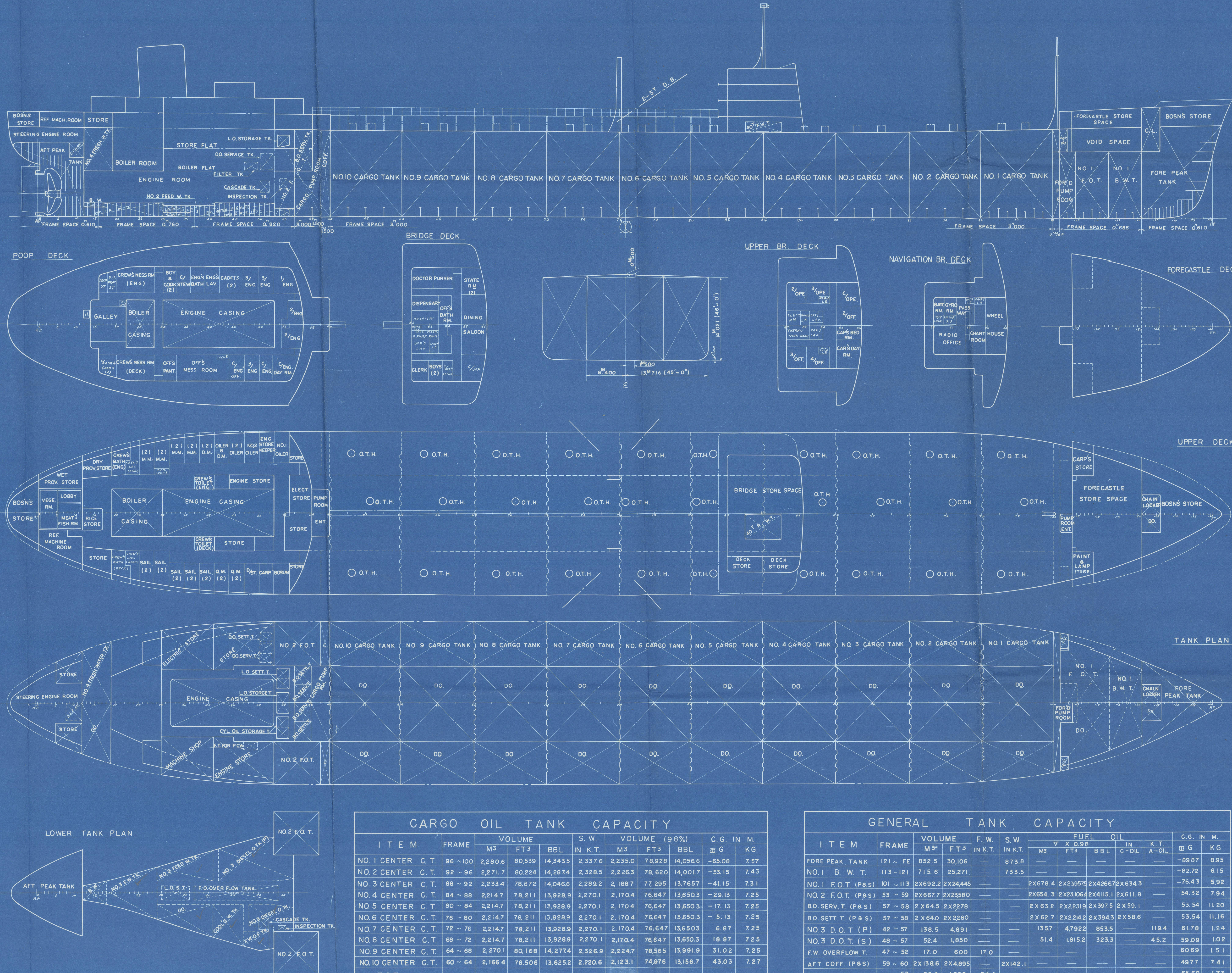
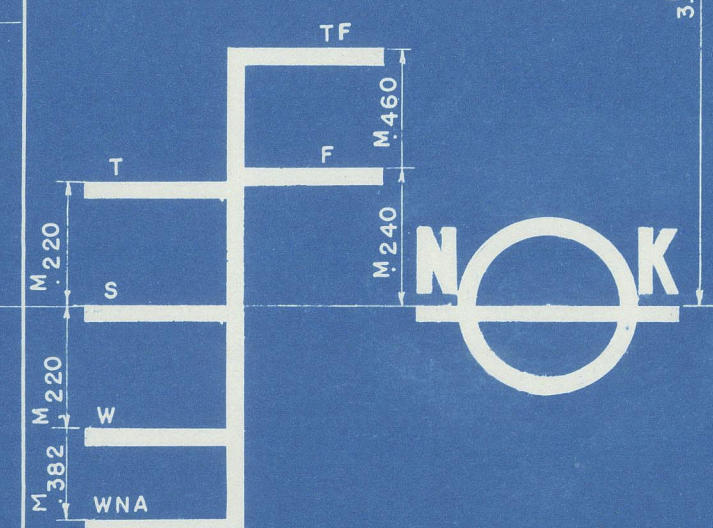


M.S. "KOWA-MARU" CAPACITY PLAN

SCALE 1/300

DEAD-WEIGHT		SCALE		FREE BOARD	
T.P.C.	M.T.C.	DISPLACEMENT	DRAFT	DEAD-WEIGHT	FREE BOARD
K.T.	K.T.-M	K.T.	M.	K.T.	M.
47	61.0	51,000	11.0	42,000	3.0
46	59.0	48,000	10.5	39,000	3.5
45	57.0	45,000	10.0	36,000	4.0
44	55.0	42,000	9.5	33,000	4.5
43	53.0	39,000	9.0	30,000	5.0
42	51.0	36,000	8.5	27,000	5.5
41	49.0	33,000	8.0	24,000	6.0
40	47.0	30,000	7.5	21,000	6.5
39	45.0	27,000	7.0	18,000	7.0
38	43.0	24,000	6.5	15,000	7.5
37	41.0	21,000	6.0	12,000	8.0
36	39.0	18,000	5.5	9,000	8.5
35	37.0	15,000	5.0	6,000	9.0
34	35.0	12,000	4.5	3,000	9.5
33	33.0	9,000	4.0	0	10.0
32	31.0	6,000	3.5		
31	29.0	3,000	3.0		
30	27.0	0	2.5		
29	25.0		2.0		
28	23.0		1.5		
27	21.0		1.0		
26	19.0		0.5		
25	17.0		0.0		
24	15.0				
23	13.0				
22	11.0				
21	9.0				
20	7.0				
19	5.0				
18	3.0				
17	1.0				
16	0				
15					
14					
13					
12					
11					
10					
9					
8					
7					
6					
5					
4					
3					
2					
1					

TOP OF UPPER DECK LINE



CONVERSION TABLE	
"A" - OIL	IM³ - OBBO K.T.
"C" - OIL	IM³ - 0.935 K.T.
FRESH WATER	IM³ - 1.000 K.T.
BALLAST WATER	IM³ - 1.025 K.T.

CARGO OIL TANK CAPACITY											
ITEM	FRAME	VOLUME	S.W.	VOLUME	S.W.	VOLUME	S.W.	VOLUME	S.W.	G.G. IN M.	G.G. IN M.
NO. 1 CENTER C.T.	96-100	2,860.6	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 2 CENTER C.T.	92-96	2,871.7	80.524	14,287.4	2,328.5	2,826.3	76.620	14,001.7	80.524	68.09	7.43
NO. 3 CENTER C.T.	88-92	2,833.4	78.872	14,046.6	2,289.2	2,188.7	72.295	13,765.7	78.872	64.15	7.31
NO. 4 CENTER C.T.	84-88	2,814.7	78.211	13,928.9	2,270.1	2,170.4	76.647	13,650.3	78.211	64.15	7.25
NO. 5 CENTER C.T.	80-84	2,814.7	78.211	13,928.9	2,270.1	2,170.4	76.647	13,650.3	78.211	64.15	7.25
NO. 6 CENTER C.T.	76-80	2,814.7	78.211	13,928.9	2,270.1	2,170.4	76.647	13,650.3	78.211	64.15	7.25
NO. 7 CENTER C.T.	72-76	2,814.7	78.211	13,928.9	2,270.1	2,170.4	76.647	13,650.3	78.211	64.15	7.25
NO. 8 CENTER C.T.	68-72	2,814.7	78.211	13,928.9	2,270.1	2,170.4	76.647	13,650.3	78.211	64.15	7.25
NO. 9 CENTER C.T.	64-68	2,814.7	78.211	13,928.9	2,270.1	2,170.4	76.647	13,650.3	78.211	64.15	7.25
NO. 10 CENTER C.T.	60-64	2,814.7	78.211	13,928.9	2,270.1	2,170.4	76.647	13,650.3	78.211	64.15	7.25
TOTAL		22,295.7	782.64	140,224.6	22,853.3	21,848.8	771.619	137,224.1			
NO. 1 WING C.T. (P&S)	96-100	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 2 WING C.T. (P&S)	92-96	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 3 WING C.T. (P&S)	88-92	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 4 WING C.T. (P&S)	84-88	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 5 WING C.T. (P&S)	80-84	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 6 WING C.T. (P&S)	76-80	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 7 WING C.T. (P&S)	72-76	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 8 WING C.T. (P&S)	68-72	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 9 WING C.T. (P&S)	64-68	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
NO. 10 WING C.T. (P&S)	60-64	2,837.3	80.539	14,343.5	2,337.6	2,835.0	76.926	14,056.6	80.539	68.09	7.57
TOTAL		28,011.4	840.842	149,880.0	24,366.9	23,328.2	823.750	146,706.6			
GRAND TOTAL		46,097.1	1,627.906	289,994.6	47,250.1	45,175.0	1,595.369	289,930.7			

GENERAL TANK CAPACITY											
ITEM	FRAME	VOLUME M ³ FT ³	F.W. IN.K.T.	S.W. IN.K.T.	FUEL		OIL		G.G. IN M.	G.G. IN M.	
					Y X-800 M ³	IN K.T.	IN K.T.	A-OL M ³			
FORE PEAK TANK	121-125	FE 852.5 30.105		873.8					-88.07	6.99	
NO.1 B.W.T.	113-121	718.6 25.271		733.5					-70.42	6.31	
NO.1 F.O.T. (P&S)	101-113	2,837.3 80.539	14,343.5	2,337.6	2,837.6	2,837.6	2,837.6	2,837.6	-88.74	6.92	
NO.2 F.O.T. (P&S)	93-101	2,837.3 80.539	14,343.5	2,337.6	2,837.6	2,837.6	2,837.6	2,837.6	-88.74	6.92	
NO.3 SERV.T. (P&S)	57-58	2,836.5 2,923.76			2,836.5	2,923.76	2,975.5	2,975.5	53.54	11.50	
NO.3 SETT. T. (P&S)	57-58	2,836.5 2,923.76			2,836.5	2,923.76	2,975.5	2,975.5	53.54	11.50	
NO.3 D.O.T. (P)	42-47	158.5 4.995			155.7	479.22	853.5	1194	61.78	1.24	
NO.3 D.O.T. (S)	48-57	52.4 1.850			51.4	181.52	323.3	45.2	50.08	1.02	
NO.3 F.OVERFLOW	57-58	12.0 17.0									
NO.4 COFF. (P&S)	59-60	2,838.5 2,838.5		2,842.1					49.77	7.4	
COOLG. W.T.	41-47	56.4 1.92	56.4						65.40	1.33	
F.O. F.OVERFLOW T.	37-54	54.4 2.645			73.4	2,592.1	461.6	68.6	64.26	1.10	
NO.2 F.FEED W.T. (P)	29-41	64.3 2.25							76.12	1.2	
NO.2 F.FEED W.T. (S)	29-41	64.3 2.25	64.3						72.12	1.37	
NO.3 F. W. T.	12-29	117.5 4.149	117.5						91.96	1.25	
NO.4 F. W. T. (P&S)	12-19	2,822.7 2,818.12	2,822.7						71.36	1.61	
40 FT PEAK TANK	AE - 12	261.3	229.8	267.8					92.43	10.55	
40 F.W.T. IN B&S	85 - 85	39.5	1,529	39.5					-33.80	15.13	
TOTAL		6,168.0 216.21	918.8	2159.3	31,777.1	112,915.0	10,995.6	2,796.5	16.44		
CO. B&S TANK	30-31	12.0 12.0							54.45	1.33	
CO. B&S TANK	30-31	12.0 12.0							54.45	1.33	

APPROVED PLAN
DATE
DATE

" KOWA MARU " ★

RECORDS DEPT.
LONDON.

Capacity plan.

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Lloyd's Register
Foundation

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