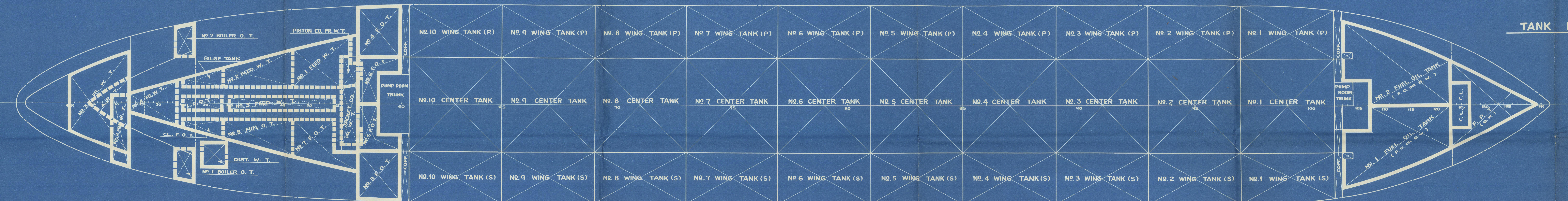
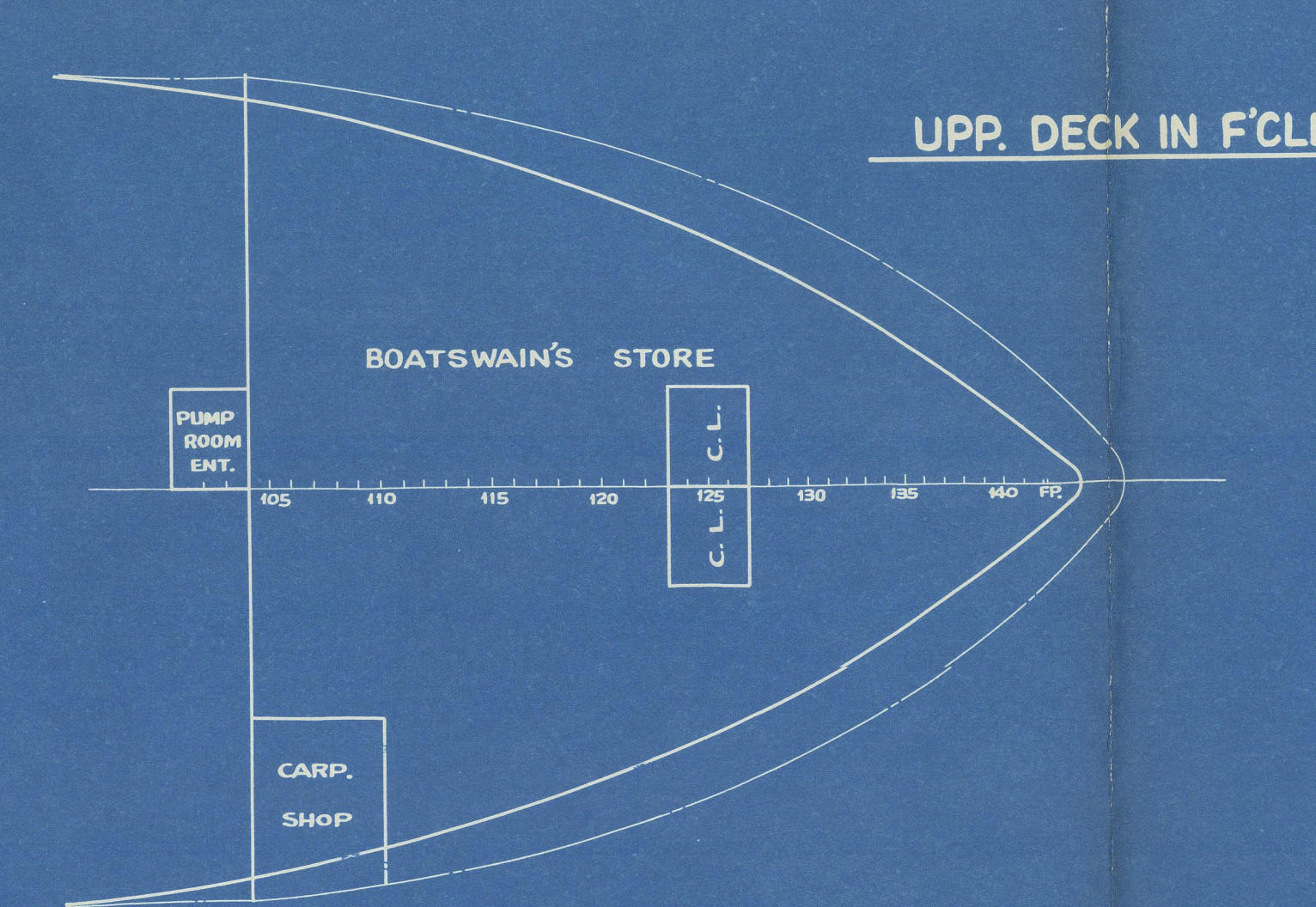
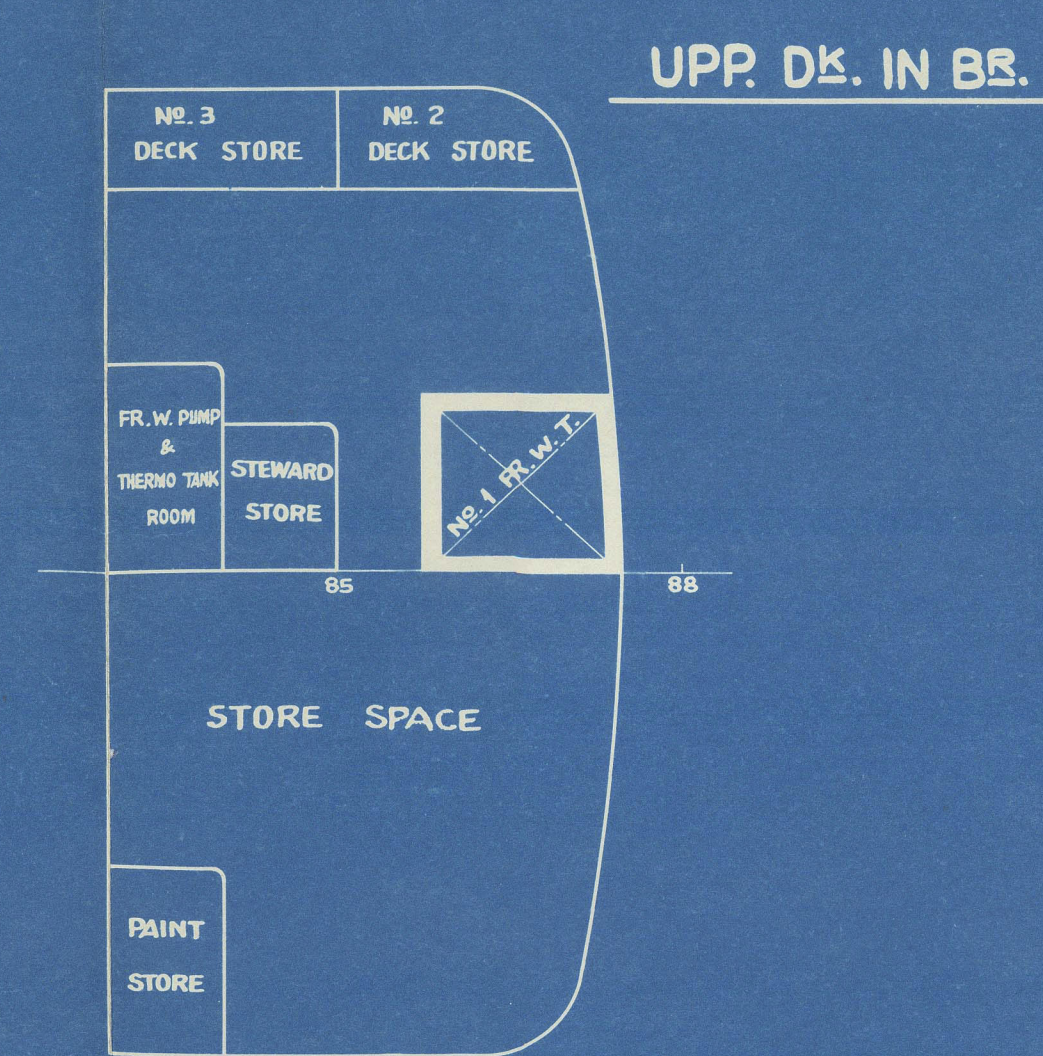
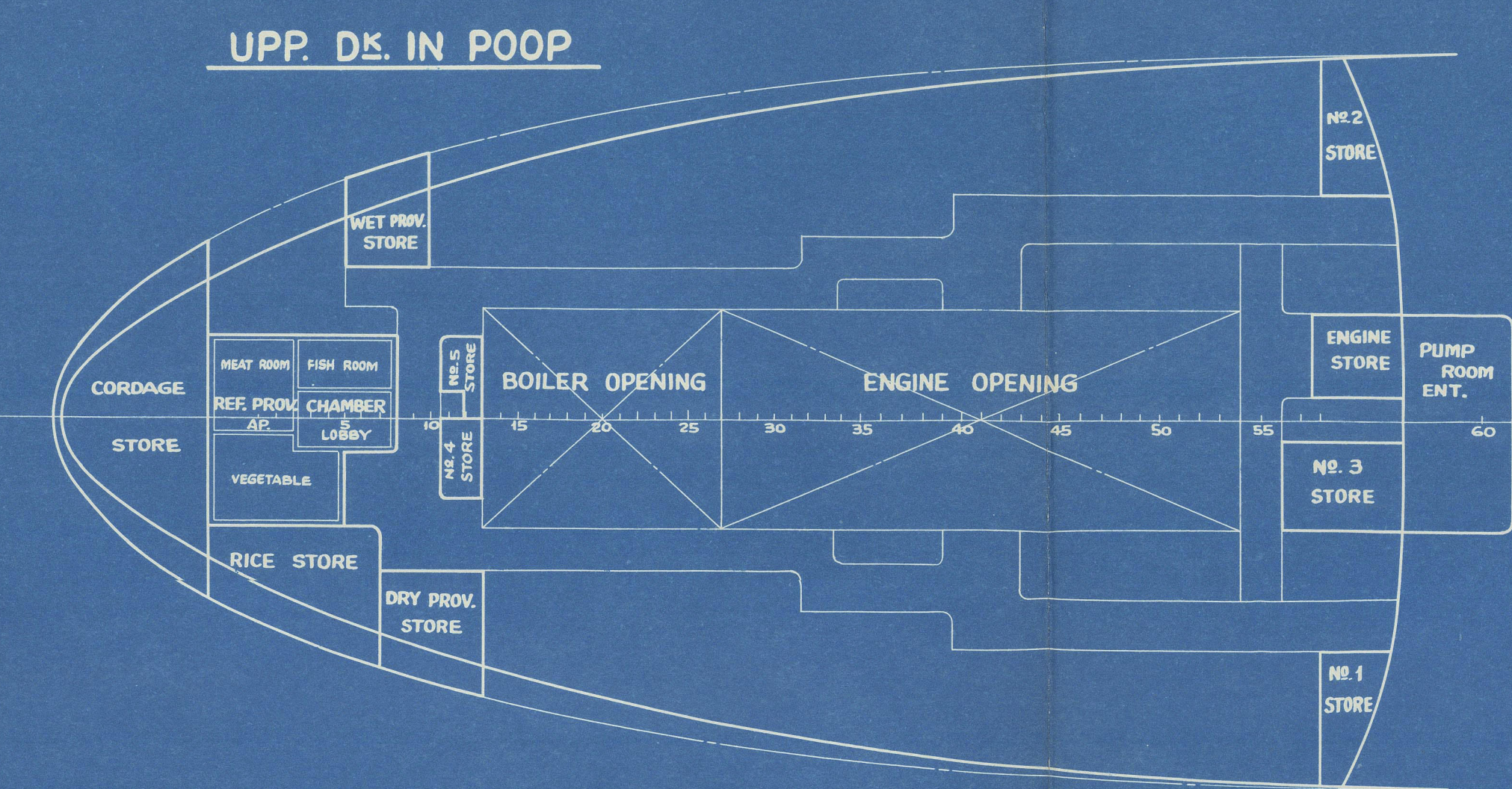
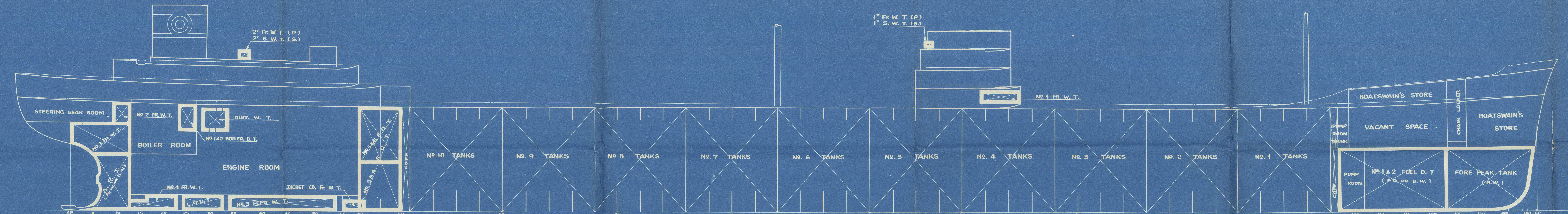
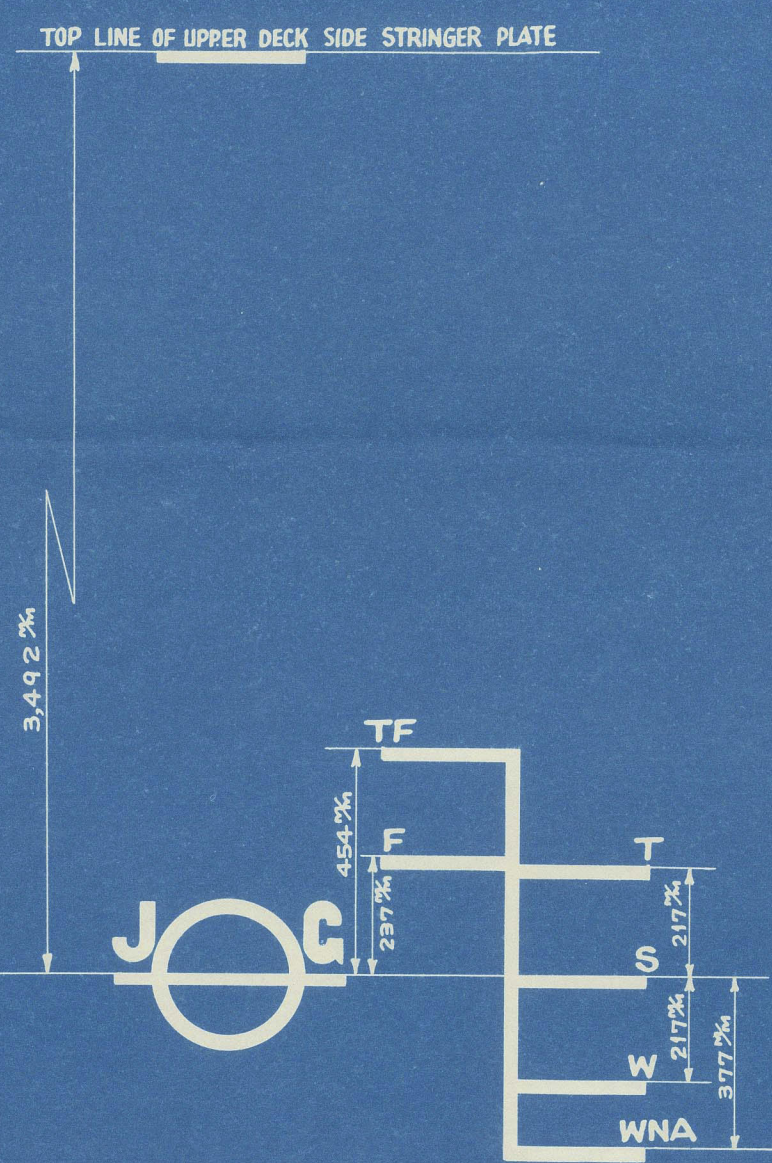


DEAD WEIGHT SCALE									
DRAFT	TONS PER C.M. IMMERSION	MOMENT TO CHANGE TRIM I.C.M.	DISPLACEMENT	DEAD WEIGHT	DRAFT	FREE BOARD			
IN M.	IN K.T.	IN M-K.T.	IN K.T.	IN K.T.	IN M.	IN M.			
11.0	4.6	630	45,000	37,000	11.0	3,000			
		580	44,000	36,000					
		530	43,000	35,000					
		480	42,000	34,000					
10.0	4.5	560	41,000	33,000	10.0	4,000			
		510	40,000	32,000					
		460	39,000	31,000					
		410	38,000	30,000					
9.0	4.4	520	37,000	29,000	9.0	5,000			
		470	36,000	28,000					
		420	35,000	27,000					
		370	34,000	26,000					
8.0		320	33,000	25,000	8.0				
		270	32,000	24,000					
		220	31,000	23,000					
		170	30,000	22,000					
7.0		120	29,000	21,000	7.0				
		70	28,000	20,000					
		20	27,000	19,000					
6.0		10	26,000	18,000	6.0				
		0	25,000	17,000					
5.0		0	24,000	16,000	5.0				
		0	23,000	15,000					
		0	22,000	14,000					
4.0		0	21,000	13,000	4.0				
		0	20,000	12,000					
		0	19,000	11,000					
		0	18,000	10,000					
3.0		0	17,000	9,000	3.0				
		0	16,000	8,000					
		0	15,000	7,000					
		0	14,000	6,000					
2.0		0	13,000	5,000	2.0				
		0	12,000	4,000					
		0	11,000	3,000					
		0	10,000	2,000					
		0	9,000	1,000					
		0	8,000	0					



TANK CAPACITY (DECK DEPARTMENT)					
TANK	FRAME NO.	CAPACITY IN M ³	WEIGHT IN K.T.	CENTER OF GRAVITY	
FRESH WATER TANK (1,000 M ³)	NO. 1	85.0	31	25.35	15.60
	NO. 2	9 - 13 (S)	60.2	60	83.25
	NO. 3	AP - 13	204.0	204	91.28
	NO. 4	13 - 23	34.1	34	84.27
	A. P. T.	5 - 13	42.0	42	89.63
TOTAL		371.9	372		
BALLAST WATER TANK (1,025 M ³)	F. P. T.	123 - FORE	402.1	412	- 87.91
	A. P. T.	5 - 13	42.0	44	89.63
	NO. 1 F. O. T.	102 - 123 (S)	821.8	842	- 76.75
	NO. 2 F. O. T.	13 - 23 (S)	821.8	842	- 76.75
	FORE COFF.	101 - 102 (S)	134.3	138	- 69.41
TOTAL		2563.4	2,627		

VACANT SPACE CAPACITY			
SPACE	FRAME NO.	CAPACITY GRAIN IN M ³	CENTER OF GRAVITY
VACANT SPACE	102 - 123	1,618	- 77.82

TANK CAPACITY (ENGINE DEPARTMENT)					
TANK	FRAME NO.	CAPACITY U.S. BARREL	CAPACITY IN M ³	WEIGHT IN K.T.	CENTER OF GRAVITY
FUEL OIL TANK (0.935 M ³)	NO. 1	102 - 123 (S)	5,164	821.8	- 75.3
	NO. 2	13 - 23 (S)	5,164	821.8	- 75.3
	NO. 3	85 - 89	2,853	453.6	- 41.6
	NO. 4	13 - 23 (S)	2,853	453.6	- 41.6
	NO. 5	13 - 23 (S)	1,105	174.0	- 174
BOILER OIL T. (0.935 M ³)	NO. 6	13 - 23 (S)	1,105	174.0	- 174
	NO. 7	46 - 58 (S)	482	76.7	- 70
	NO. 8	33 - 46 (S)	374	59.4	- 54
	NO. 9	24 - 33 (S)	75	12.0	- 11
	TOTAL	(9,365)	3,078.4	2,821	
LUB. O. D. T. (0.920 M ³)	NO. 1	33 - 46 (S)	31.6	5.0	- 80.73
	NO. 2	46 - 58 (S)	31.6	5.0	- 80.73
	NO. 3	58 - 60 (S)	31.6	5.0	- 80.73
	NO. 4	60 - 73 (S)	31.6	5.0	- 80.73
	TOTAL	(124)	124.0	12.0	
FEED WATER TANK (1,000 M ³)	NO. 1	46 - 58 (S)	79.5	12.0	- 83.05
	NO. 2	33 - 46 (S)	60.1	60	- 70.60
	NO. 3	34 - 54 (C)	64.2	64	- 68.17
	TOTAL	(143.6)	203.6	204	
COOL. FR. W. T. (1,000 M ³)	JACKET	35 - 58 (S)	22.7	73	- 39.14
	PISTON	5 - 13	12.4	12	- 53.12
	TOTAL	(47.9)	35.1	35	

CARGO TANK CAPACITY					
TANK	FRAME NO.	CAPACITY M ³	CAPACITY U.S. BARREL	WEIGHT IN K.T.	CENTER OF GRAVITY
CENTER TANK	NO. 1	97 - 101	2,175.5	13,683	2,132.0
	NO. 2	93 - 97	2,170.8	13,654	2,127.4
	NO. 3	89 - 93	2,170.8	13,654	2,127.4
	NO. 4	85 - 89	2,170.8	13,654	2,127.4
	NO. 5	81 - 85	2,170.8	13,654	2,127.4
WING TANK	NO. 6	77 - 81	2,170.8	13,654	2,127.4
	NO. 7	73 - 77	2,170.8	13,654	2,127.4
	NO. 8	69 - 73	2,170.8	13,654	2,127.4
	NO. 9	65 - 69	2,170.8	13,654	2,127.4
	NO. 10	61 - 65	2,168.0	13,636	2,124.6
TOTAL		21,708.4	136,551	21,275.8	
WING TANK	NO. 1	97 - 101	2,170.8	13,654	2,127.4
	NO. 2	93 - 97	2,170.8	13,654	2,127.4
	NO. 3	89 - 93	2,170.8	13,654	2,127.4
	NO. 4	85 - 89	2,170.8	13,654	2,127.4
	NO. 5	81 - 85	2,170.8	13,654	2,127.4
WING TANK	NO. 6	77 - 81	2,170.8	13,654	2,127.4
	NO. 7	73 - 77	2,170.8	13,654	2,127.4
	NO. 8	69 - 73	2,170.8	13,654	2,127.4
	NO. 9	65 - 69	2,170.8	13,654	2,127.4
	NO. 10	61 - 65	2,168.0	13,636	2,124.6
TOTAL		21,708.4	136,551	21,275.8	
GRAND TOTAL		44,260.8	278,343	43,375.8	

STORE CAPACITY			
STORE	FRAME NO.	CAPACITY M ³	CENTER OF GRAVITY
BOATSWAIN'S STORE	104 - FORE	1,000.0	- 81.33
STORE SPACE (ON DECK)	123 - FORE	429.1	- 85.01
STEWARDS STORE	83 - 85	21.8	- 20.17
PAINT STORE	83 - 84	34.6	- 19.21
NO. 1 DECK STORE	44 - 54	19.9	- 62.85
NO. 2 "	45 - 55	35.7	- 22.82
NO. 3 "	83 - 85	37.3	- 17.71
NO. 1 STORE	58 - FRONT	16.4	- 57.33
NO. 2 "	"	16.4	- 57.33
NO. 3 "	38 - FRONT	22.2	- 57.58
NO. 4 "	103 - 113 (S)	11.0	- 88.84
NO. 5 "	" (P)	9.4	- 88.84
ELECTRIC STORE (ON DECK)	56 - 58	7.5	- 58.94
CORRAGE STORE	C - AFT	107.9	- 93.64
PROV. DRY PROV. STORE	7 - 13	20.8	- 80.21
STORE	5 - 10	20.9	- 91.44
WET "	C - 7	43.2	- 94.74
REF. PROV. LOBBY	2 - 8	17.8	- 92.96
MEAT ROOM	C - 2	1.8	- 91.32
FISH ROOM	2 - 8	11.8	- 93.65
VEGETABLE RM.	C - 5	26.6	- 95.40
ENGINE STORE	57 - FRONT	24.6	- 57.00
(ON DECK)	47 - 54	111.7	- 63.56
ELECTRIC STORE	33 - 39	51.4	- 79.85
ENGINE STORE (ON DECK)	27 - 36	68.3	- 76.80

HARIMA SHIPBUILDING & ENG. CO. LTD.
AIOI, HYOGO, JAPAN.

SN. 512 宝栄丸

容積圖及載貨重量尺度表

CAPACITY PLAN AND DEADWEIGHT SCALE

SHIP DESIGN DEPT. SCALE: 1/200

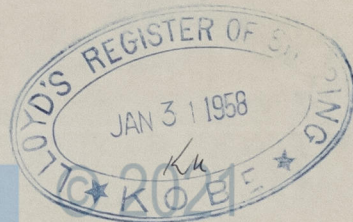
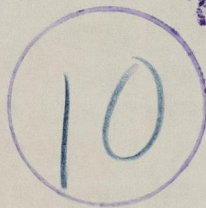
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DATE: OCT. 15 1957

DWG NO. 10001601

Kobe Rpt. No.	FE 5181
Port of Survey.	A101
Name of Ship.	HOEI MARU
Title of Plan.	CAPACITY PLAN AND DEADWEIGHT SCALE



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LONDON.



Lloyd's Register
Foundation

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