

DECK PLATING : ~ KILLED STEEL			
DECK	ITEMS	FOR 0.4L	REMARKS
UPPER DECK	STRINGER ANG.	1600 x 200 x 20	100 x 100 x 10 (100)
	DECK PL.	1600 x 200	100 x 100 x 10 (100)
2ND DECK	STRINGER & DECK PL.	1600 x 200	100 x 100 x 10 (100)
3RD DECK	STRINGER & DECK PL.	1600 x 200	100 x 100 x 10 (100)
BRIDGE DECK	STRINGER & DECK PL.	1600 x 200	100 x 100 x 10 (100)
BOAT DECK	STRINGER & DECK PL.	1600 x 200	100 x 100 x 10 (100)
FLE DECK	STRINGER & DECK PL.	1600 x 200	100 x 100 x 10 (100)

CLASSIFICATION : ~
 LLOYD REGISTER *100A1 (LONGITUDINAL FRAMING AT 200mm) LMC
 NIPPON KAIKYO KAI NSK MNSK
 UNYUSHO 1ST CLASS, OCEAN GOING SERVICE

PRINCIPAL DIMENSIONS : ~
 LENGTH BET. PP. L 130.320 (427.58)
 BREADTH B 12.800 (58.40)
 DEPTH (ABOVE TOP OF KEEL) D 11.717 (38.44)
 DESIGNED DRAFT (DO) d 8.787 (28.83)

EQUIPMENT NUMBER BY LLOYD REGISTER : ~
 $L(B+d) + 85L(D-d) = 427.58(58.40+28.83) + 85 \times 427.58(38.44-28.83) = 40,790.49$
 F'CLE $85 \times 32.38 \times 7.55 = 207.80$
 UPPER DECK HOUSE $75 \times 83.97 \times 8.24 = 519.06$
 BRIDGE DECK HOUSE $75 \times 81.37 \times 7.71 = 470.52$
 BOAT DECK HOUSE $75 \times 34.12 \times 7.71 = 197.30$
 FLYING BRIDGE DECK HOUSE $75 \times 31.50 \times 7.71 = 182.15$
 TOTAL = 42,367.32

EQUIPMENT NUMBER BY NIPPON KAIKYO KAI : ~
 $L \times (B + D_0) = 130.32 \times (17.8 + 11.72) = 3,847.05$
 F'CLE $9.87 \times 2.30 \times 7.5 = 17.03$
 UPPER DECK HOUSE $25.60 \times 2.51 \times 5.0 = 32.13$
 BRIDGE DECK HOUSE $24.80 \times 2.35 \times 5.0 = 29.14$
 BOAT DECK HOUSE $10.40 \times 2.35 \times 5.0 = 12.22$
 FLYING BRIDGE DECK HOUSE $9.60 \times 2.35 \times 5.0 = 11.23$
 TOTAL = 3,931.85

EQUIPMENTS : ~
 BOWER ANCHORS (STOCKLESS) 3 ~ 3,531 KG EACH
 CHAIN CABLE * (CAST STEEL) 1 ~ 550 M x 24φ

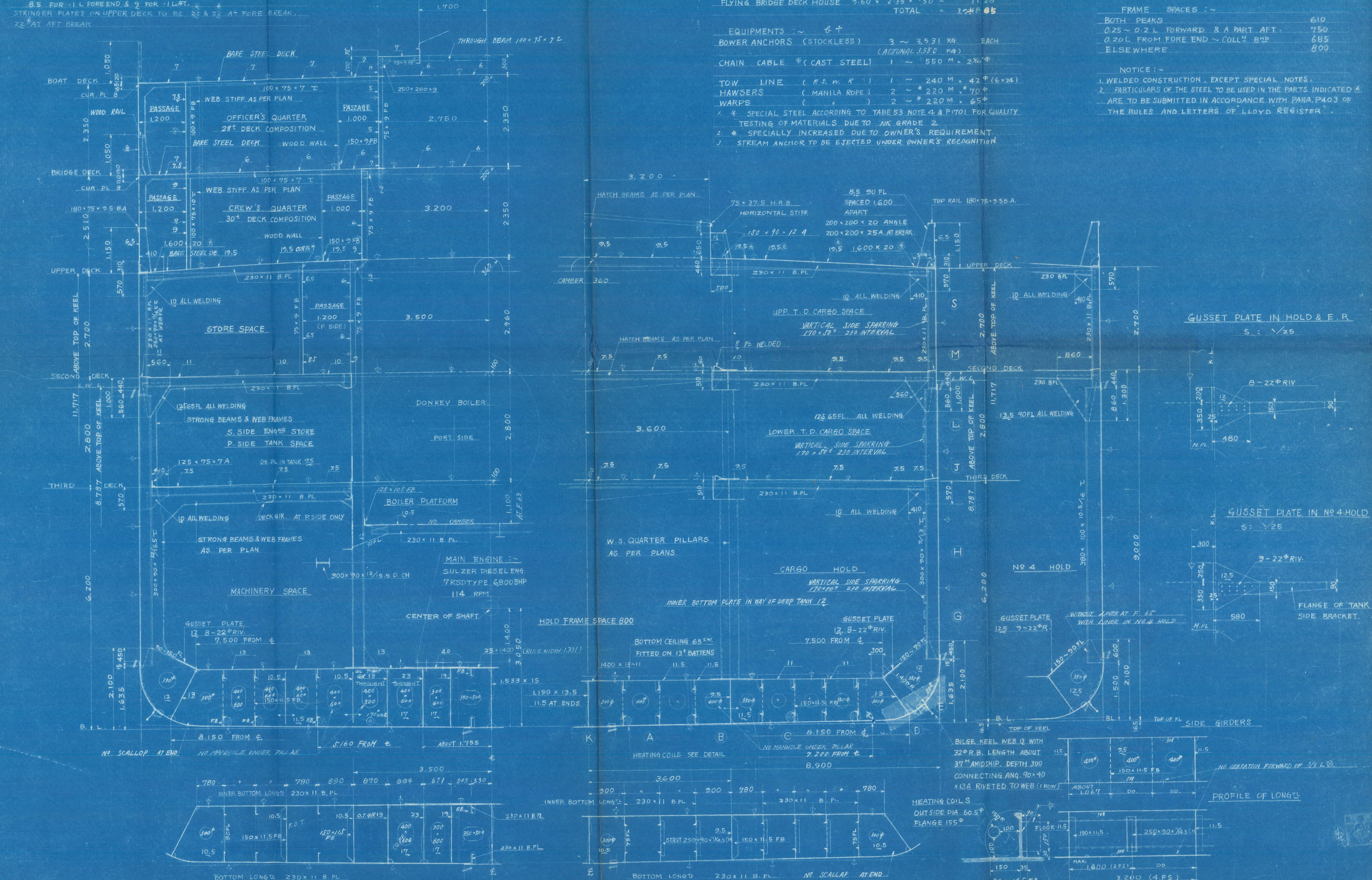
TOW LINE (F.S.W.A) 1 ~ 240 M x 42φ (6x34)
 HAWSERS (MANILA ROPE) 2 ~ 220 M x 70φ
 WARPS () 2 ~ 220 M x 65φ
 1. * SPECIAL STEEL ACCORDING TO TABE 53 NOTE 4.8 PITOT FOR QUALITY
 TESTING OF MATERIALS DUE TO NK GRADE 2
 2. * SPECIALLY INCREASED DUE TO OWNER'S REQUIREMENT.
 3. STREAM ANCHOR TO BE EJECTED UNDER OWNER'S RECOGNITION

SHELL PLATING : ~ KILLED STEEL PLATES			
ITEMS	0.4L	0.05L ENDS	REMARKS
FLAT PLATE KEEL	1400 x 21	THROUGHOUT	RULE WIDTH 1.321
BOTTOM SHELL	16.5	12	AFT END FORWARD 0.25 ~ 0.21
SHEER STRAKE	1725 x 20.5	12	RULE WIDTH 1.550
SIDE SHELL	16.5	12	0.20L FORWARD
BILGE SHELL	16.5	12	(12)
STERN FRAMES	16.5	15	
BOSS PLATE	16.5	17.5	

SHEER STRAKE AT FORE BREAK 25φ AT AFT BREAK 22φ
 STERN FRAME HEEL PLATE 16

FRAME SPACES : ~
 BOTH PEAKS 610
 0.25 ~ 0.21 FORWARD & A PART AFT 750
 0.20L FROM FORE END ~ COLL'S B'D 665
 ELSEWHERE 800

NOTICE : ~
 1. WELDED CONSTRUCTION, EXCEPT SPECIAL NOTES.
 2. PARTICULARS OF THE STEEL TO BE USED IN THE PARTS INDICATED ARE TO BE SUBMITTED IN ACCORDANCE WITH PARA. P403 OF THE RULES AND LETTERS OF LLOYD REGISTER.



天榮丸
S120
 MIDSHIP
 SECTION OF
 CARGO MOTORSHIP
 (FINISHED PLAN)
 單螺旋式ゼル貨物船
 中央切斷
 (完成圖)

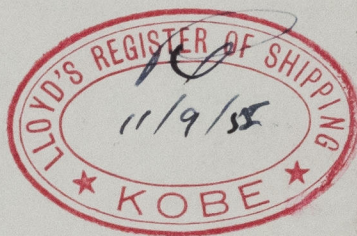
SCALE	1/50	DESIGN	CHY
ITEM	1	CHK	CHY
HULL DESIGNING SECTION OF			
DESIGNING DEPARTMENT			
NAGATA SHIPBUILDING CO. LTD.			
NAGATA, JAPAN			
SECTION	CHY	CHK	CHY
DATE	1954.6.19	DATE	1954.6.19
BY	CHY	CHK	CHY
DATE	1954.6.19	DATE	1954.6.19
BY	CHY	CHK	CHY
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LLOYD

TEN-EI MARU

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As fitted

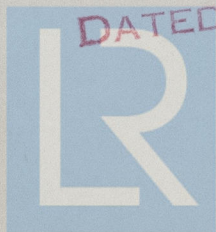


RECORDS DEPT
LONDON.

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Lloyd's Register
Foundation

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