

3 JUL 1939

S.S. 598. MIDSHIP SECTION.

PRINCIPAL DIMENSIONS.

LENGTH B.P.	380'-0"
BREADTH EXTREME	54'-8 1/2"
BREADTH MOULDED	54'-5"
DEPTH MOULDED, UPPER DECK	26'-4 1/2"
DEPTH TO LENGTH, UPPER DECK	14'-4 1/2"
" " " BRIDGE DECK	10'-90"

SINGLE DECK WITH POOP, LONG BRIDGE & FORECASTLE
FULL SCANTLING VESSEL TO LLOYD'S 100 A.I. CLASS.
ERECTIONS 81.97% OF LENGTH.

SCALE: 1/2 IN. = 1 FT.

NUMERALS.

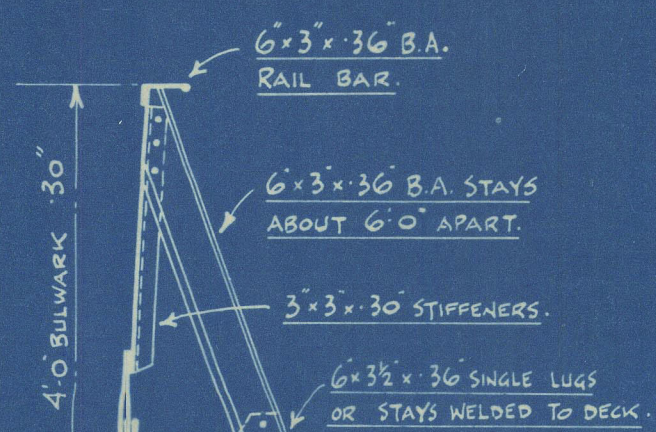
$$L \times D = 380 \times 26.37 = 10020$$

$$L (B+D) = 380 (54.42 + 26.37) = 30700$$

EQUIPMENT NUMERALS

380 (54.42 + 26.37) =	30700
POOP 42.83 x 8.5 x .75 =	273
BRIDGE 234.25 x 8.5 x .75 =	1493
FORECASTLE 34.42 x 8.5 x .75 =	219
DECKHOUSE 75.5 x 7.75 x .50 =	292
	329.77

SECTION IN WELLS.



SHEERSTRAKE 60' x 60' AMIDSHIPS WITH TREBLE RIVETED END LAPS AND AS PER TOPSIDE SHELL PLAN. 42' AT ENDS.

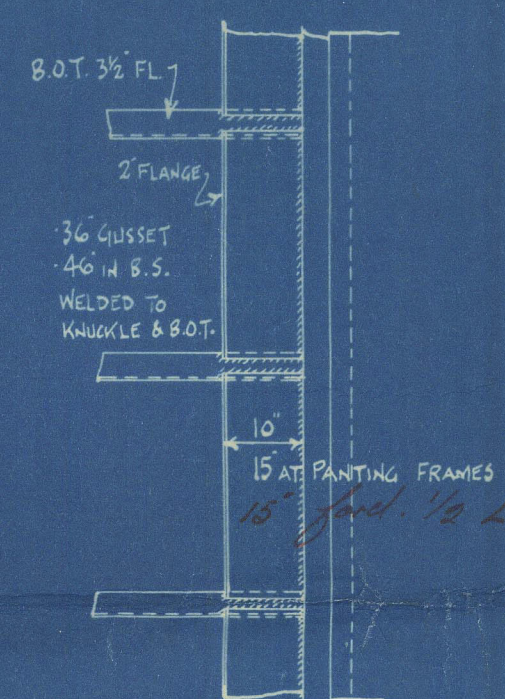
STRAKE BELOW SHEERSTRAKE 71' x 60' AMIDSHIPS WITH TREBLE RIVETED END LAPS AND AS PER TOPSIDE SHELL PLAN. 42' AT ENDS.

SIDE SHELL 56' x 04' = 60' FOR 1/2 L. TO 42' x 04' = 46' AT ENDS IN WAY OF 30" SPACING TO 42' AT ENDS. TREBLE RIVETED END LAPS.
SIDE SHELL 25% ABOVE END THICKNESS = 52" IN LIEU OF STRINGERS IN WAY OF PANTING FOR A DISTANCE AFT OF RULE POSITION OF COLLISION BULKHEAD EQUAL TO 10% LENGTH OF VESSEL.
SIDE SHELL 25% ABOVE END THICKNESS = 52" IN WAY OF FORE PEAK TANK IN LIEU OF STRINGER CONNECTION TO SHELL.

BOSS PLATING .64"

Seet. 14, para 3 (c) to be complied with.

SKETCH OF GUSSETS



BILGE KEEL 6" x 4" x 50' T.B.A.
12" x 50' BULB PLATE.

BRIDGE DECK STRINGER 92' x 49' to 47'. TREBLE RIVETED END LAPS. STRINGER ANGLE 5' x 5' x 49'.

BRIDGE DECK 42' to 40'. DOUBLE RIVETED END LAPS.

BRIDGE DECK IN LINE OF OPENINGS 35' to 34'.

BRIDGE DECK THROUGH BEAMS 9' x 3 1/2" x 40' B.A. NBS.

HALF BEAMS AS PER DECK PLAN.

6" x 3 1/2" x 31 B.A. NBS. 149/89

FOUR CONSECUTIVE FRAMES AT BRIDGE ENDS 7' x 3 1/2" x 34' B.A. NBS.

MAIN FRAMES CARRIED UP TO BRIDGE DECK AT MAIN HATCH ENDS. FRAMES IN POOP & FORECASTLE AS PER PROFILE.

PARTIAL BHDS. ON 63 P.A.S. & 80 STD.

3" WITH 3" FL. 5' x 3" x 34' TO DECK.

UPPER DECK STRINGER 58' x 38' to 35' WITH DOUBLE RIVETED END LAPS AND AS PER DECK PLAN.

STRINGER ANGLE 3 1/2" x 3 1/2" x 39' to 34'.

6" x 6" x 60' IN WELLS.

UPPER DECK PLATING 34' WITH DOUBLE RIVETED END LAPS & AS PER DECK PLAN.

UPPER DECK THROUGH BEAMS 11' x 3 1/2" x 48' B.A. NBS. AND AS PER DECK PLAN.

HALF BEAMS AS PER DECK PLAN.

INTERMEDIATE BEAMS LAGGED AT C.L. BULK.

UPPER DECK THROUGH BEAMS 11' x 3 1/2" x 48' B.A. NBS. AND AS PER DECK PLAN.

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STEEL C.L. BULKHEAD 26'. STIFFENERS AS PER PROFILE. TWO FRAME SPACES APART. DOUBLE AT HATCH ENDS WITH BRACKETS TOP AND BOTTOM. DECK CONNECTIONS 3' x 3' x 30'.

STEM BAR 9' x 23'. STERN FRAME AS PER DETAIL PLAN. RUDDER AS PER DETAIL PLAN.

STEEL C.L. BULKHEAD 30'. STIFFENERS AS PER PROFILE. TWO FRAME SPACES APART. DOUBLE AT HATCH ENDS WITH BRACKETS TOP AND BOTTOM. DECK CONNECTIONS 3' x 3' x 40'. TANK TOP CONNS. 3 1/2" x 3' x 40'.

INTERCOSTAL GIRDERS IN DOUBLE BOTTOM. ONE EACH SIDE 34'. 36' ES. 46' B.S. VERTICALS 3' x 3' x 34'. 44' B.S. BOTTOM CONNS. 3 1/2" x 3' x 38'. TOP CONNECTIONS 3' x 3' x 38'. 5' x 5' x 38' UNDER ENGINE & THRUST BLOCK. 3 1/2" x 3 1/2" x 48' IN BOILER SPACE.

CENTRE GIRDER 40' x 48' to 40'. 58' B.S. END LAPS TREBLE RIVETED. TOP BARS 3' x 3' x 42' to 40'. 3 1/2" x 3 1/2" x 52' B.S. BOTTOM BARS 4' x 4' x 48' to 40'. 58' B.S. VERTICALS 3 1/2" x 3 1/2" x 38'. 48' B.S.

5' x 5' x 38' UNDER ENG. SPACE & THRUST BLOCK. 5' x 5' x 48' UNDER BOILER BEARERS.

9 RIVETS 3/4" TO FLOORS. 9 " " " CENTRE GIRDER. 8 " 7/8 " " " IN B.S. 17 " 3/4 " FLOORS UNDER BOILER BEARERS. 15 " 3/8 " CENTRE GIRDER UNDER BOILER BEARERS. 17 " 3/4 " " " " FLOORS UNDER ENGINE SPACE & THRUST BLOCK.

KEEL 49 1/2" x 72" FOR 3/5 L. TO 64' AT ENDS. QUAD. RIVETED END LAPS FOR 1/2 L. TO TREBLE AT ENDS. 7/8 RIVETS THROUGHOUT.

BOTTOM SHELL 56' x 04' = 60' FOR 1/2 L. TO 44' x 04' = 48' AT ENDS IN WAY OF 30" SPACING TO 44' AT ENDS. TREBLE RIVETED END LAPS THROUGHOUT. RIVETS IN BOTTOM FRAMES TO SHELL AND FLOORS SPACED 7 DIAS. THREE STRAKES NEXT TO KEEL TO BE 10% ABOVE MIDSHIP THICKNESS = .66" (62 IN WAY OF 27 SPACING) FROM 1/2 L. FORWARD TO RULE POSITION OF COLLISION BULKHD.

Rules for the application of electric arc welding to be complied with.

THE FLASH POINT OF THE OIL FUEL TO BE CARRIED SHOULD BE NOT LOWER THAN 150°F AND THE REQUIREMENTS OF SECTION 2-C OF THE RULES SHOULD BE COMPLIED WITH.

6" x 3 1/2" x 34 B.A. NBS. 149/89. 16" x 3 1/2" x 34 B.A. NBS. 149/89. Requirements of Sect. 11 to be complied with.

JKL 3/17/39

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LANTAO *

"Craiglas"

SUNDERLAND RPT. NO. 32866.

J. H. Thompson & Sons'

No. 598.

Miership Section



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