

Approved L.R.  
30.6.39  
Approved B.C.  
29.6.39

# Nos 1050 & 1051 MIDSHIP SECTION. TWIN SCREW CARGO VESSELS.

SCALE :-  $\frac{1}{2}$ " = ONE FOOT.

Approved by B.C.  
29.6.39

DIMENSIONS :- 512'-0" B.P. x 70'-0" MLD. x 43'-4 $\frac{1}{2}$ " MLD. TO UPPER DK. (SHELTER DK.)

TO CLASS LLOYDS 100 A.1. (WITH FREEBOARD) OR B.S.\* (WITH FREEBOARD)

DRAFT CORRESPONDS TO A COMPLETE SUPERSTRUCTURE VESSEL HAVING A TONNAGE OPENING.

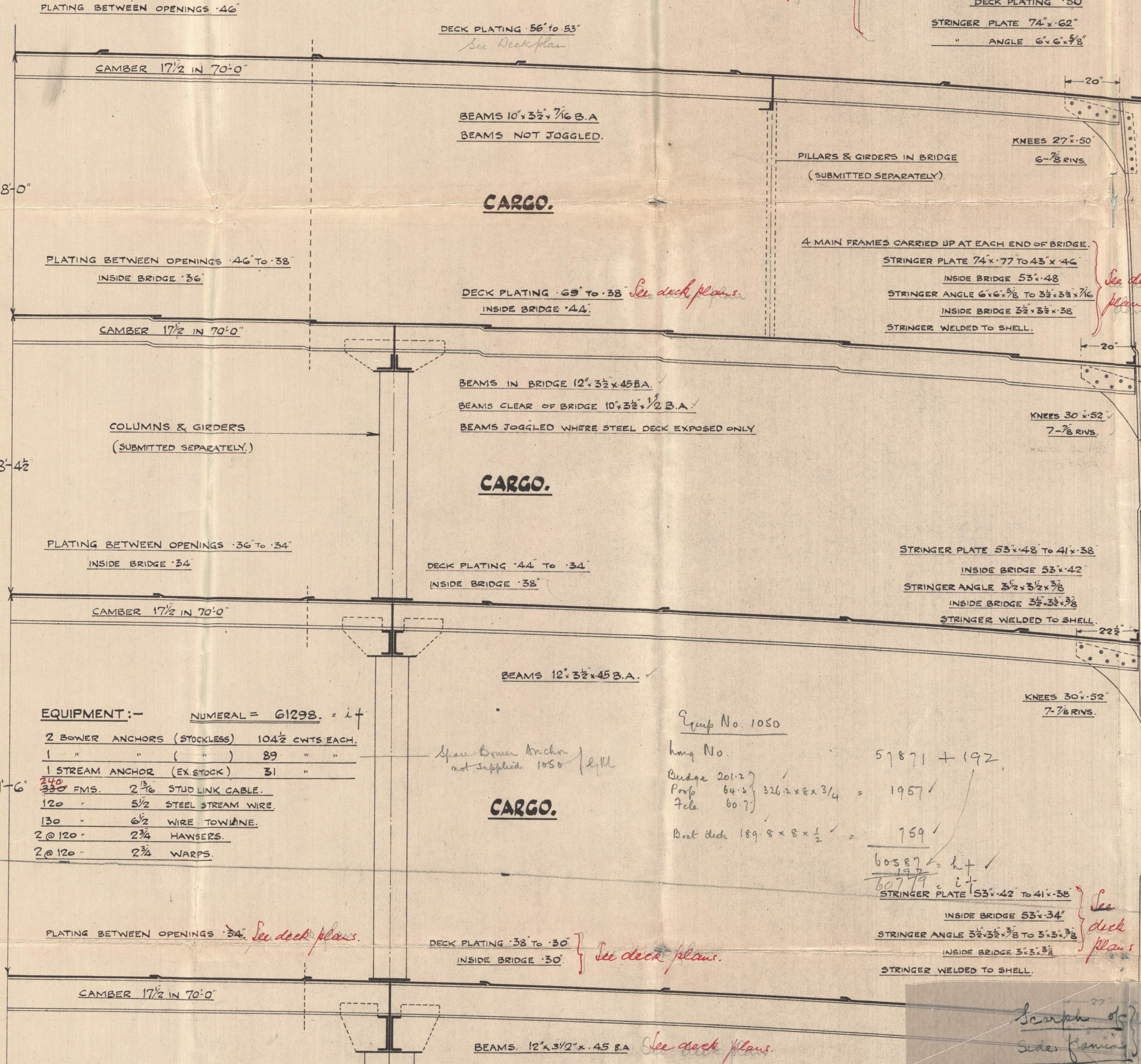
AS DESIRED BY THE BOARD OF TRADE THE SCANTLING AS AMENDED ARE SUITABLE FOR A DRAUGHT OF 18' IN EXCESS OF THAT CORRESPONDING TO THE FREEBOARD WHICH COULD BE ASSIGNED TO THE VESSEL WITH A TONNAGE OPENING FITTED, AS SHOWN ON THE PLANS.

FORECASTLE:-	STRINGER PLATE 37" x 40"
	" ANGLE 3 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x $\frac{1}{2}$ "
	DECK PLATING 36"
POOP DECK	STRINGER PLATE 41" x 40"
	" ANGLE 3 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x $\frac{1}{2}$ "
	DECK PLATING 36"
	STRINGER PLATE 74" x 62"
	" ANGLE 6" x 6" x $\frac{3}{8}$ "

NUMERALS.			
D.	$(43'-4\frac{1}{2}" - 8'-3\frac{1}{2}" + 8')$	=	43.03
L x D	$512' \times 43.03'$	=	22,031
L x (B+D)	$512' \times (70' + 43.03')$	=	57,871
L/D	$\frac{512}{43.03}$	=	11.81
	$\frac{512}{43.03} \times \frac{512}{51.42}$	=	11.87 & 10.03

CONVEX 3" x  $\frac{3}{8}$ "  
TUMBLE HOME  
BRIDGE SIDE SHELL '67'  
FOCSLE SIDE PLATING '46'  
POOP SIDE PLATING '44'  
BRIDGE SIDE SHELL '67'  
SHEER STAKE 72" x 80" TO '52' AT ENDS  
'73' IN WAY OF BRIDGE.  
INCREASED AT BREAKS.  
M STRAKE 72" x 80" TO '52' AT ENDS.  
'73' IN WAY OF BRIDGE.  
L.  
K.  
H.  
G.  
F.  
E.  
D.  
C.  
B.  
A.

Note See framing profile  
for height of decks and  
framing



EQUIPMENT:-	NUMERAL = 61298. = 44
2 BOWER ANCHORS (STOCKLESS)	104 $\frac{1}{2}$ CWTs EACH.
1 " " " "	89 " "
1 STREAM ANCHOR (EX STOCK)	31 " "
330 FMS. 2 $\frac{3}{8}$ " STUD LINK CABLE.	
120 " 5 $\frac{1}{2}$ " STEEL STREAM WIRE.	
130 " 6 $\frac{1}{2}$ " WIRE TOWLINE.	
2 @ 120 " 2 $\frac{3}{8}$ " HAWSERS.	
2 @ 120 " 2 $\frac{3}{8}$ " WARPS.	

Graph No. 1050  
Long No. 57871 + 192  
Ordinate 261.27  
Prop. 64.3  
Tide 60.7  
But tide 189.8 x 8 x  $\frac{1}{2}$  = 759  
60587 + 44  
1050

FRAMING.  
FRAMES SPACED 34' APART, AMIDSHIPS. 24' SPACING IN PEAKS. 27' SPACING IN NO. 1 HOLD.  
" IN PEAKS 10' x 3 $\frac{1}{2}$ " x  $\frac{1}{2}$ "  
" AMIDSHIPS 10' x 3 $\frac{1}{2}$ " x  $\frac{1}{2}$ " B.A. TO LOWER DECK  
" 8 MAIN DECK ALTERNATELY.  
REVERSE FRAMES (SEE FRAMING PROFILE)  
FRAMES AT ENDS (SEE FRAMING PROFILE).

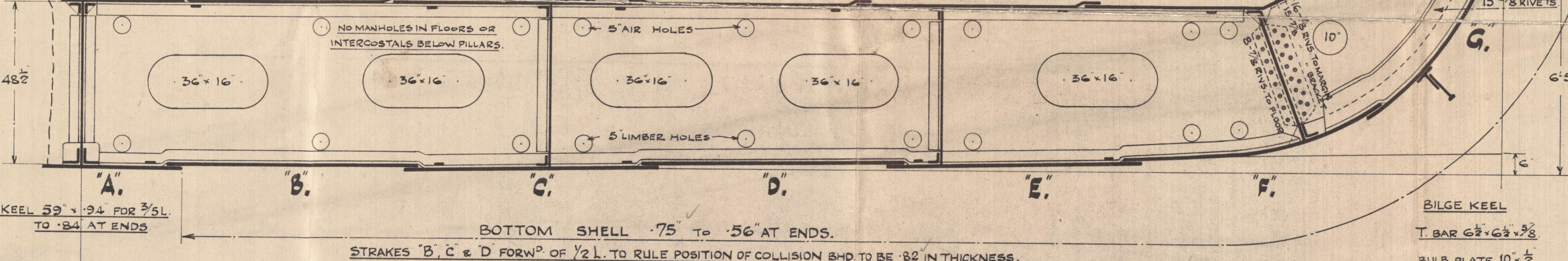
DOUBLE BOTTOM.  
FLOORS '48' SOLD ON EVERY FRAME IN MOTOR ROOM & FORWARD OF  $\frac{3}{8}$ " LENGTH.  
TANK FRAMES 4' x 4 $\frac{1}{2}$ " DOUBLE FORWARD  $\frac{1}{2}$  L. OR SINGLE 6' x 6 $\frac{1}{2}$ " ANGLE.  
" REV. FRAMES 4' x 4 $\frac{1}{2}$ "  
INTERCOSTALS '44' INCREASED IN MOTOR ROOM TO '48'  
" VERTICAL ANGLES 2 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " x  $\frac{3}{8}$ " SINGLE  
" TOP & BOTTOM ANGLES 4' x 4 $\frac{1}{2}$ " SINGLE.  
W.T. FLOORS '56' WITH B.A. STIFFENERS IN ACCORDANCE WITH TABLE 7B.

STEM 11' x 2 $\frac{3}{8}$ "

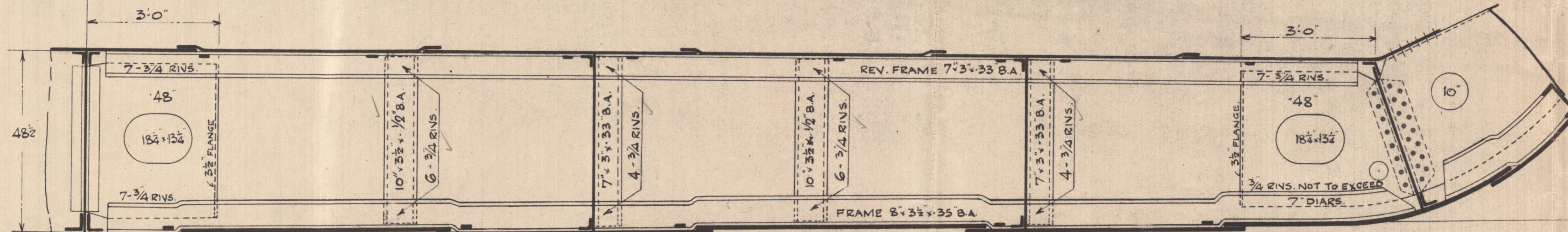
CENTRE GIRDER 48" x 60" TO '52' AT ENDS.  
TOP ANGLES 4' x 4 $\frac{1}{2}$ "  
BOTTOM ANGLES 6' x 6 $\frac{1}{2}$ "  
VERTICAL 4' x 4 $\frac{1}{2}$ " SINGLE (DOUBLE IN MOTOR ROOM)

TANK TOP CENTRE STRAKE 60" x 60" TO '52' AT ENDS.  
" PLATING '52' TO '48' IN HOLDS. '60' IN MOTOR ROOM.  
MARGIN PLATE 42" x 42" TO '36' AT AFT END  
" ANGLE TO SHELL 4' x 4 $\frac{1}{2}$ "  
" TANK TOP 4' x 4 $\frac{1}{2}$ "

INCREASES IN PAINTING AREAS  
AS PER RULES.  
FRAME BRACKETS '48' FLANGED 3 $\frac{1}{2}$ "  
6" x 6" RIVETS THRO' FLANGE & TANK TOP PLATING  
MARGIN VERTICAL ANGLES TO FRAME BKT. 6' x 6 $\frac{1}{2}$ "  
" FLOOR 6' x 3 $\frac{1}{2}$ " x  $\frac{1}{2}$ "  
FRAME BRACKET RIVETING INCREASED IN WAY  
OF OIL FUEL AS PER RULES.



FOR SECTION THRO' ENGINE ROOM, SHOWING ENGINE SEATING - SEE SEPARATE PLAN.



BRACKET FLOORS AS SHOWN ON PROFILE.





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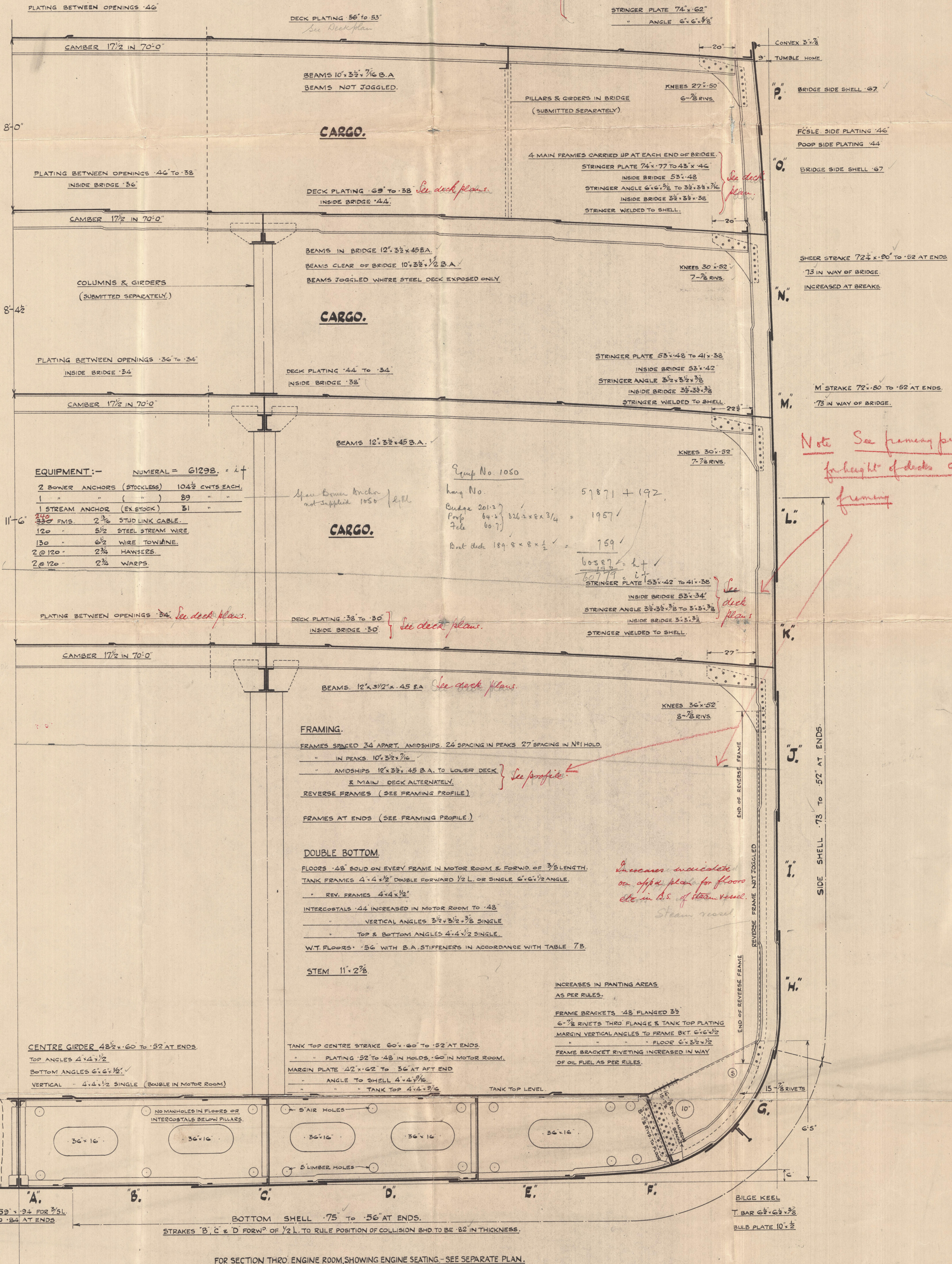
NUMERALS.	
D. (43'-4 1/2" - 8'-3 1/2" + 8')	= 43.53
L x D (512' x 43.03)	= 22031
L x (B+D) 512' x (70+43.03)	= 51871
L/D 512' / 43.03	= 11.87
512' / 43.03 & 512' / 43.03	= 11.87 & 10.03

BRIDGE DK.

SHELTER DK.  
(UPPER DK.)

UPPER DK.  
2<sup>ND</sup> DK.

MAIN DK.  
3<sup>RD</sup> DK.



BRACKET FLOORS AS SHOWN ON PROFILE.





HARLAND & WOLFF LTD,  
BELFAST

No. 1050-51.

TITLE Master's Section.

DATE APPROVED 30.6.39.

Belfast Report No.

13091 -

Empire Hope

13212 -

Empire Grace



WARRANGI  
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Lloyd's Register  
Foundation

003816-003823-0130