

N.I. CLASS.
MIDSHIP SECTION

411'-6" B.P. x 55'-5½" M.L.P. x 38'-½" M.L.P. TO SHELTER DECK

TO CLASS 100 A.I. LLOYDS "SHELTER DECK"

WITH SPECIAL NOTATION DESIGNATING TYPE OF BILGE

OR B. S. * BRITISH CORPORATION.

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

1 Knap anchor 8 kts. or. shank
60 fath $2\frac{5}{8}$ lbs chain cable.

✓ SHELTER DECK - 10-78
"B" DECK - 14-3

$$\begin{array}{r} 3 - \frac{7}{8} \text{ TANK} \\ 25 - 1 \\ - \frac{7}{8} \end{array} \quad \left\{ \begin{array}{l} 2 \text{ DIFF OF RULE} \\ 3 \text{ APP}^2 \text{ TANK BRACKET} \end{array} \right.$$

DECK SUPPORTED BY TWO ROWS
OF PILLARS & GIRDERS
SEE SPECIAL PLAN

STEM BAR - SEE SPECIAL PLAN
STERN FRAME - SEE SPECIAL PLAN

SHELTER DECK PLATING 60 TO 34
BETWEEN HATCHES 36 TO 34
TREBLE RIV^d OVERLAPPED BUTTS ✓
TO SINGLE AT ENDS
SEAMS SINGLE RIV^d ✓

THROUGH BEAMS $9 \times 3\frac{1}{2} \times 45$ B A ON EVERY FRAME
HALF BEAMS $9 \times 3\frac{1}{2} \times 45$ B A

DECK PLATING 38 TO 30
BETWEEN HATCHES 36 TO 30
DOUBLE RIV^d OVERLAPPED BUTTS
TO SINGLE AT ENDS
SEAM W/ RIV^d

THROUGH BEAMS 10' x 3 1/2" x 50 B A ON EVERY FRAME
HALF BEAMS 9' x 3 1/2" x 45 B A

FRAMES 241 APART IN TEAMS.
28 BETWEEN FRAMES 10 X 1 AND FRAMES 117-140.
35. 11 1/2".

FRAMES FROM N^o 1 TO N^o 152 8' 5 1/2" 45 ANGLES.
FRAMES CARRIED TO SHELTER 1 B DECK. ALTERNATELY
FROM N^o 1 TO N^o 10 8' 8" FROM 143 TO 152.
FRAMES CONTINUOUS FROM RANK TOP TO SHELTER DECK
FROM FRAME 21 TO 141.

INTERMEDIATE FRAMES BETWEEN DECK 6 X 36 X 38 ANGLES
FROM N^o 1 TO N^o 12.

NO REVERSES FROM N^o 140 TO N^o 14.

REVERSES 6 X 36 X 34 ANGLES TO B DECK. 1/2 GIRDER FROM INTERMEDIATE
8' X 4 X 45 ANGLES +

FORMING 1/2 GIRDER FROM 13 TO 141.

REVERSES 6 X 36 X 54 ANGLES FORMING 1/2 GIRDER TO
SHELTER 2 B DECK. ALTERNATELY FROM 141 TO 152.

ADDITIONAL REVERSES 4 X 4 X 48 ANGLES
TO B DECK ON FRAMES 126-8-130-2-4-6-8-10-140.
FOR DETAILS OF FRAMING AT ENDS OR VESSEL, SEE WORKING DRAWINGS.

Diagram illustrating the arrangement of frames and girders in the hull structure, showing the transition from the rank top to the shelter deck and the intermediate frames between deck 6 and shelter deck 1.

SIDE PLATING 72 TO 50
BUTTS QUAD RIVD OVERLAPS
TO TREBLE AT ENDS
6" SEAMS DOUBLE RIVD
3/8 RIVETS FOR SPACING
SEE 1" SCALE SECTION

SHELL PLATES 69 $\frac{1}{2}$ " WIDE
FROM KEEL TO GUNWALE
~~PLATE ONE STRAKE AT RULE~~

N.B. NO MANHOLES IN FLOORS OR INTERCOSTALS UNDER PILLARS

T.T CENTRE STRAKE 42 & 52 TO 44, 60 IN 8'S
OVERLAPPED BUTTS TREBLE RIV'D TO DOUBLE AT ENDS
DOUBLE RIV'D OVERLAPPED SEAMS.

4 x 4 x .50 TO .48
HORIZ. RANGE PLANE TO 3 1/2

TANK TOP PLATING 52 - 46 IN WAY OF 35 FRAME SPACING
IN BOILER PLATE 60 - 42 28
NO INCREASE UNDER HATCHES
TREBLE RIV⁰ OVERLAPPED BUTTS
TO SINGLE A ENDS
SEAMS SINGLE RIV⁰ EXCEPT CENTRE $3\frac{1}{2} \times 3\frac{1}{2} \times 42 \pm 40$
IN 8 S - 52

RIVETS IN TANK TOP $\frac{1}{8}$ ✓
FOR SPACING SEE SCALE SECTION

CENTRE GIRDER
43 x 54 TO 42 ✓
IN B.S. 60 ✓

 $4 \times 4 \times 60 = 0.56$

KEEL PLATE $34\frac{3}{4} \times 72$ WITH
DOUBLING $21\frac{1}{4} \times 72$ INSIDE FOR $\frac{3}{8}$ "
SINGLE STRAPS TREBLE RIVETED.

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BOTTOM PLATING 72" x 52" FOR 35" FRAME SPACING
QUAD RNR OVERLAPPED BUTTS TO TRUSS AT ENDS.
BOTTOM PLATES 60" WIDE FOR MULTIPLE PUNCHING
THE THREE STRAKES OF BOTTOM PLATING NEXT TO KEEL
ARE TO HAVE MIDSHIP THICKNESS MAINTAINED TO COL. N. 8"

BUTTS STRAPPED FOR LENGTH
OF CUTAWAY BLGGS. OVERLAPPED
AT ENDS

CONTROLLER GENERAL FOR MERCHANT SHIPBUILDING
DIRECTOR OF SUPPLIES
D/S 58
ADMIRALTY NATIONAL SHIPYARDS

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Midship Section. ✓

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