S/S 142 MIDSHIP SECTION.

DIMENSIONS:- 402'-6" × 54'-2" × 35'-10" MLD TO SHELTER DECK (8'-0" TWEEN DECKS)

NUMERALS:- FIRST Nº 402.5 × 35.83 - 14422

SECOND Nº 402.5 (54.16 + 35.83) - 36,225

½D TO C55. DECK - 11.2

"d" DIMENSION AFTER CORRECTION - 24.0

TO CLASS + 100 A·1 LLOYDS "with freeboard"
COMPLETE SUPERSTRUCTURE TYPE VESSEL
OF OPEN SHELTER DECK DESIGN

SCALE ½" - 1 FOOT.

SHELTER DK STRINGER PLATE .84 × .60 BUTTS 3 R FOR ½ L.
" " " ANGLE 6 × 6 × .58
DECK PLATING .58" OUTSIDE LINE OF HATCHWAYS BUTTS 3R
" " .38" INSIDE " " " " 2R
} and as per deck plan.

22'-6" WIDE HATCHWAYS.

SHELTER DECK.

BREADTH OF DECK 50'-0"

6 × 3½ × 3½ × .4 CHANNEL

2 3/8" SOLID PILLARS ON ALTERNATE BEAMS REEFED

SHELTER DECK BEAMS (EVERY FRAME STATION) 6½ × 3½ × .33 BA FOR¤ ⅛ L
6½ × 3½ × .32 BA ELSEWHERE
3 ROWS PILLARS.
See deck plan.

18"

2'-1"

K" STRAKE (OUT) COMBINED SHEERSTRAKE 82" × .67 TO .43 - .03 @ 24" BUTTS 4 R FOR ½ L TO 3R

KNEES 19½ × .42 as per deck plan.

TWEEN DECK FRAMES 6½ × 3½ × .40 BA 56" APART
FORWARD ⅕ L FOR INTERMEDIATE ANGLE FRAMES 5½ × 3½ × .32 BA
ABAFT ⅛ L AFT " " " 5" × 3½ × .32 @ 28" spacing, 35 in way peak.
TWN DK FRAMES SCARPHED 18" TO MAIN FRAMES.
.35 forward 3/5L

SEE SPECIAL PLAN for PILLARS & GIRDERS to be submitted

SECOND DK STRGR PLTE .47 × .40 TO 35" × .34 BUTTS 2R TO 1R
ANGLES 3½ & 3 × 3 × .40 TO .34
PLTG .40 .42 OUTSIDE LINE HATCHWAYS BTS 2R TO 1R.
" " .32 .34 INSIDE " " " "
" " .30 AT ENDS
Chocks .81 × .46 and as per deck plan.

25'-6" WIDE HATCHWAYS

SECOND DECK.

BREADTH OF DECK 52'-0"

13" CAMBER

8'-0"

DR

J = 54"

27'-10"

13"

DR

LWL 24'-4" MLD

H · 76 3/18"

KNEES 21" × .46" as per deck plan.

Detail plan of Deck Girders to be submitted separately.

SECOND DECK BEAMS 6½ × 3 × .40 BA @ 28"
3 ROWS PILLARS
See deck plan.

STEM BAR 9½ × 2½"
STERN POST 10½ × 7 5/8" RUDDER PST 9" × 7 5/8"
BOSS PLATES .67 .68
PLATES TO STERN PST .59"

SEE SPECIAL PLAN for PILLARS & GIRDERS to be submitted
SEE PROFILE & DECKS FOR CENTRE LINE BULKHEAD

SIDE SHELL .59 .56 TO .43 BUTTS 3 R.
-.03 @ 28" spacing only
.59 .56 .52 .48 .43 .39 .35"
See Lloyd's Rules Sec 3 para 6(b)

RIVETING NOTES

7/8" DIA^R RIVETS THRO. SHELL & FRAMES 5½" APART. 4½" in way high & peak tanks and as per Table 40
3/4" " " TANK TOP & REVERSES SPACED EQUAL TO 5¼" APART
7/8" DIA^R RIVETS THRO. SHELTER DK PLTG & BEAMS SPACED EQUAL TO 6¼" APART
3/4" DIA^R RIVETS THRO. SECOND DECK PLTG & BEAMS SPACED EQUAL TO 5¼" APART

7/8" DIA^R RIVETS IN SEAMS OF SHELL & SHELTER DECK PLTG. @ 3½" SPACING, 1" DIA IN KEEL SEAMS, 3/4" ELSEWHERE and as per Table 40. spaced 3½ and as per Table 40
7/8" DIA^R RIVETS IN BUTTS OF SHELL & SHELTER DK 3½" APART
3/4" " " " " SECOND DK ETC. 3" "
7/8" " " " " upper dk stringer plating spaced 2⅞ apart
7/8" " " " " 3½" "
2⅞" max in lower strake of upper deck plating spaced 1⅞ apart in 3R butts 3½ apart in 1R butts

MAIN FRAMES 12 × 3½ × .60 BA @ 28" APART
Flat of Bottom forward 12 × 3½ × .54 BA @ 27" do
SEE PROFILE FOR B.R. & PANTING FRAMES
FORE & AFTER PEAK FRAMES 7½ × 3 × .35 BA.

TANK BRACKETS .47 .57 BS FL 3" .46 .48 @ 27" spacing
TANK MARGIN LUGS 6 × 6 × .40 .47 .57 BS SINGLE (DOUBLE 6 × 6 × .41 @ PANTING FRAMES)
TANK GUSSET ANGLE 3½ × 3½ × .42 .47 .57 BS 16 @ 27" spacing 13 - 7/8 RIVS EACH FL.
No RIVETS AT 7/8 DIA^R IN FRAME LEG 13 OFF 13 @ Panting frames
" " " 7/8 " " MARGIN LUGS 12 @ 13 sh 11 @ 27
" " " 7/8 " " GUSSET ANGLE 5 OFF

E: 76 3/8"

6'-3½"

3B½"

6 - 7/8 @ 27" spacing
5 - 7/8 R - 6 - 7/8 @ Panting frames
2½" LAP 3/4 S.R.

2½" PINE CEILING

SINGLE LAP ON 5" ANGLE

EXTRA INT. UNDER ENG^S

3½ × 3½ × .53 MARGIN BAR

RADIUS OF BILGE 3'-3"

"D" STRAKE (OUT)

6 × 6 × .42 BACK BAR WAY OF PANTING FR

24" × 17"

3" RISE OF FLOOR.

"C" STRAKE (IN) 82 5/8"

"B" STRAKE (OUT) 82 5/8"

"A" STRAKE (IN) 83 3/16"

KEEL 63 3/4" × .77 TO .67
BUTTS 4R FOR ½ L TO 3R

BOTTOM SHELL TO UPPER TURN OF BILGE .59 .56 TO .46 BUTTS 3 R.
-.03 @ 28" spacing only
= 21 @ 27" spacing

RULE THICKNESS OF SHELL ON "A" "B" & "C" STRAKES MAINTAINED FORWARD TO RULE POSITION OF COLLISION BULKHEAD.

EQUIPMENT 36 575 NUMERAL LETTER "Z"

3	STOCKLESS BOWER ANCHORS	COLLECTIVE WT	18½ CWTS.
1	STREAM ANCHOR (Ex. Stock)	17½ CWT.	22 " with Stock
270	FATHOMS STUD CHAIN CABLE	2¼" DIA^R	682¼ "
90	"	1 3/4" CIRC. STEEL STREAM WIRE	6/12.
120	"	5" " " TOWLINE	" 6/12.
2 @ 90	"	2¾" " " HAWSER	" 6/12.
2 @ 90	"	2½" " " "	" 6/12.

41 forward 3/5L
2.8 spacing

FLOOR PLATES .59 .49 BS) EVERY 3RD FRAME, EVERY IN E.S, AT B.R. BRS & FORW. 3/5 L FOR. TANK ENDS .47 .49 WITH STIFFS. 3½ × 3 × .40 (.50 BS) 30" APART.
REVERSE FRAMES 5" × 3" × .39 .40 OA. (.49 BS) DOUBLE 3½ × 3 × .40 IN E.S & UNDER THRUST SEAT, BOILER BRS TO BE SINGLE 5" × 5" × .50 DOUBLE RIVETED.
TANK FRAMES 5" × 3½ × .39 .40 OA: 5" × 5" × .39 .40 FORD OF 3/5 L, 2 ROWS RIVETS
SIDE GIRDER PLATES .40 (.50 BS) SHELL LUGS 3½ × 3 × .40 TOP LUGS 3 × 3 × .40 (.50 BS) VERTS. 3 × 3 × .39 .38, .48 BS. .39 forward 3/5L.
CENTRE GIRDER 42" × .55 TO .45 (.61 BS) BUTTS 3R.
" " TOP BARS 3½ × 3½ × .53 TO .49 (.59 BS)
" " BTM " 6 × 6 × .59 TO .55 (DOUBLE FORD OF 3/5 L. ONLY 4 × 4 × .55)
" " VERTS 5" × 3" × .40 (.50 BS) 5" × 5" × .40 .50 IN E.S. & B.R. BRS.
TANK TOP PLATING. .42 TO .38 @ 28" .37 @ 27"; .50 ES; .56 BS, BUTTS 2R TO 1R.
" MARGIN 39" × .52 .53 .58 BS, - 3R TO 2R.
CENTRE TANK TOP. 52½" × .51 TO .43, .57 IN BS, .50 IN ES, " 3R TO 2R.

Shell angles in double bottom assumed covered by Clinker
⊗ 3½" flanges where ⅜" rivets fitted.
L.H. D.B. frames, rev. frames, side girder T.B. angles, vertical angles to Aft. and inside transom floor to be .43 in thickness forward of 3/5 L.

Seams of double bottom plating in engine room to be 2R

Shell angles in double bottom assumed covered by Clinker

2R in engine space and under boiler seatings

additional 3½ × 3 × .50 back bar fitted in way of engroom and stokehold see plating

KEEL BLOCKS

REVERSE FR. 6½ × 3 × 3Y OA .47 BS
39 .47 BS
6 - 6 - 42
3'-11"
9 × 3½ × 3½ × .39 .36 C .43 BS .48
18" × 13
TANK FRAMES Y" × 3½ × 3Y OA .47 BS (OR 6" × 3½ × .32 BA 42 BS)

DETAIL OF SKELETON FLOORS.

APPROVED
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MIDSHIP SECTION

Westbury

Lth 14316

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