

Nº 259%. MIDSHIP SECTION.

PRINCIPAL DIMENSIONS.

LENGTH B.P. 245'0" x BREADTH EXT 36'0" x 18'2 1/2" D.M.L.D.

CLASS 100 A LLOYDS SHELTER DECK.

SCALE 1" = 1'-0"

SUNDERLAND SHIPBUILDING CO. LTD.
DRAWING OFFICE

No. 132531 - FEB. 1910

SUNDERLAND

18.2.10
18.2.10
9.3.10

STRINGER 52x.46 TO 24x.36 (TRUSS)
PROPOSED 51x.42 TO 24x.36
BUTTS LAPPED Y TREBLE RIV.
FOR 1/2 L. DOUBLE AT ENDS.

STEEL OK (SPEC.) 32 TO 30 AT ENDS
WHERE EXPOSED.
38 ELSEWHERE.
4x4x.46 TO BUTTS LAPPED DOUBLE RIV.
3x3x.36 FOR 1/2 L. SINGLE AT ENDS
AT ENDS 3x3x.44

INTER 34'0" 4x4x.46 TO BUTTS LAPPED DOUBLE RIV.
140 KNEE AT CEN. OF HATCH
IN LIEU OF PILLARS
HATCH CORNERS 18 KNEE AT SHOE
HATCH CORNERS 18 KNEE AT SHOE
BEAMS 51x3x.40 ANG ON EVERY FRAME KNEES 13x.34

BEAMS REDUCED TO 5x3x.34 ANG WHERE LESS THAN 3/4 x BEAM.
4x3x.30

HATCH END BEAMS 8 1/2 x 3 x .46 BA KNEES 18 x .34 50.
STRONG BEAMS 7 1/2 x 3 x .42 BA KNEES 18 x .34

STRINGER 42x.38 TO 23x.36 (TRUSS)
PROPOSED 57x.36 TO 23x.34
BUTTS LAPPED Y DOUBLE
RIV FORE AFT

STEEL OK 28 FORE AFT
BUTTS LAPPED DOUBLE
RIV FORE 1/2 L
SINGLE AT ENDS
3x3x.38 TO 36
ALL BEAMS TO STOP
AT TEE OF FRAMES

INTER 35'0" 4x4x.46 TO BUTTS LAPPED DOUBLE RIV.
140 KNEE AT CEN. OF HATCH
IN LIEU OF PILLARS
HATCH CORNERS 18 KNEE AT SHOE
HATCH CORNERS 18 KNEE AT SHOE
BEAMS 51x3x.40 ANG ON EVERY FRAME KNEES 13x.34

BEAMS REDUCED TO 5x3x.34 ANG WHERE LESS THAN 3/4 x BEAM.
5x3x.34 angle

HATCH END BEAMS 8 1/2 x 3 x .46 BA KNEES 25x.5
STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

STRONG BEAMS 8 1/2 x 3 x .46 DOUBLE BA KNEES 25x.5

Beams 2'-6"

CASING .26
COAMING .34

SIDE COAMINGS .44 (FORE HATCH .40)
ENDS .40 (" " .36)
WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

WEBS .40 (" " .36)

NUMERALS

B+D = 35.75 + 18.23 = 53.98

Lx(B+D) = 245 x 53.98 = 13225

PROPORTIONS

DEPTH TO LENGTH = 9.61 SHELTER OK

BREADTHS = 6.85

EQUIPMENT Nº

SHELTER DK 245x7.25x.75 = 1332

HOUSE 245x7.25x.5 = 173 242

13225

14730 14999

EQUIPMENT LETTER P

2 BOWERS 305 CWTB STOCKLESS

1 BOWER 26 " "

1 STREAM 7 1/2 " EX STOCK

1 KEDGE 4 1/2 " " "

240 FATHOMS 1 1/8" STUB CHAIN CABLE

75 " 1" STREAM CHAIN OR 3 1/2" STEEL WIRE

30 " 10' HEMP OR 3 1/2" STEEL WIRE

11 30 " 20' 6" WARP OR 3 1/2" " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

11 30 " 20' 5" " 1 1/2 " "

FRAMES 7 1/2 x 3 1/2 BA: SPACED 23" APART.
FRAMES 3 1/2 x 3 1/2 BA: SPACED 23" APART.
REV. " " 3 1/2 x 3 1/2 BA: SPACED 23" APART.

FLOORS IN TANK 32, 46 (SPEC) IN 8 SPACE ON ALT FRAMES.
STEEL 7 1/2 x 3 1/2, PROPELLER POST 7 1/2 x 3 1/2, RUDDER POST 6 1/2 x 3 1/2
FLOORS AT ENDS 34 / TRANSOME 3 1/2 x 46
FOR BULKHEADS SEE PROFILE

BULK HEAD FOUNDATIONS 2 1/2 x 3 1/2 x 30 DOUBLE OR 4 1/2 x 4 1/2 x 30
BULKHEAD BEAMS 3 1/2 x 3 1/2 x 30 SINGLE

WEB FRAME IN EYEB SPACE
PLATE 14 x 34, FACE ANG. 5 x 3 x 50
FRAME 3 1/2 x 3 1/2 x 30

TANK TOP PLATING 36 FOR 1/2 L TO 34 AT ENDS
36 IN E. SPACE 52 IN B SPACE (SPEC)
BUTTS LAPPED RIV FOR 1/2 L, TREBLE IN
B. SPACE SINGLE AT ENDS.

TANK TOP PLATING TO BE INCREASED
104 FOR OMISSION OF ALTERNATE
TANK REVERSE.

REVERSE FRAMES 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

TANK ANGLE 3 1/2 x 3 1/2 x 32 46 IN B SPACE (SPEC)
34 TO 34 IN B SPACE

34 PLAYS, OTHER
ACCORDING TO LENGTH
SEE PROFILE

TANK TOP CENTRE 34 x 40 FOR 1/2 L
TO 34 AT ENDS, 48 IN B. SPACE
BUTTS LAPPED Y TREBLE RIV FOR
1/2 L. DOUBLE AT ENDS.

CENTRE KEELSON 34 x 42 TO 36
52 IN B. SPACE BUTTS LAPPED
Y TREBLE RIV FORE AFT.

34 PLAYS, OTHER
ACCORDING TO LENGTH
SEE PROFILE

TANK TOP CENTRE 34 x 40 FOR 1/2 L
TO 34 AT ENDS, 48 IN B. SPACE
BUTTS LAPPED Y TREBLE RIV FOR
1/2 L. DOUBLE AT ENDS.

CENTRE KEELSON 34 x 42 TO 36
52 IN B. SPACE BUTTS LAPPED
Y TREBLE RIV FORE AFT.

34 PLAYS, OTHER
ACCORDING TO LENGTH
SEE PROFILE

TANK TOP CENTRE 34 x 40 FOR 1/2 L
TO 34 AT ENDS, 48 IN B. SPACE
BUTTS LAPPED Y TREBLE RIV FOR
1/2 L. DOUBLE AT ENDS.

CENTRE KEELSON 34 x 42 TO 36
52 IN B. SPACE BUTTS LAPPED
Y TREBLE RIV FORE AFT.

34 PLAYS, OTHER
ACCORDING TO LENGTH
SEE PROFILE

TANK TOP CENTRE 34 x 40 FOR 1/2 L
TO 34 AT ENDS, 48 IN B. SPACE
BUTTS LAPPED Y TREBLE RIV FOR
1/2 L. DOUBLE AT ENDS.

CENTRE KEELSON 34 x 42 TO 36
52 IN B. SPACE BUTTS LAPPED
Y TREBLE RIV FORE AFT.

34 PLAYS, OTHER
ACCORDING TO LENGTH
SEE PROFILE

TANK TOP CENTRE 34 x 40 FOR 1/2 L
TO 34 AT ENDS, 48 IN B. SPACE
BUTTS LAPPED Y TREBLE RIV FOR
1/2 L. DOUBLE AT ENDS.

RIVETS IN PLATING, FRAMES IN WAY OF AFTER
PEAK TO BE SPACED 5 DIA APART CEN. TO CEN.

NOTE: BEAM KNEES, FRAME KNEES, TANK
SIDE BARS, FLOORS, CENTRE KEELSON
ALL MACHINE RIVETED.

DOUBLE REVERSES IN ENGINE SPACE (SEE ABOVE)
" " ON BOILER BEARERS

NO ADDITIONAL STRENGTHENING AT FORE END - DISPT CORP WILL BE 74

MID. SECTION

Sld. S. B. 6th

N^o 259

E. Oakmere

Sld Rpt. 24531

RETAIN

LR

© 2020

Lloyd's Register
Foundation

WS10 202