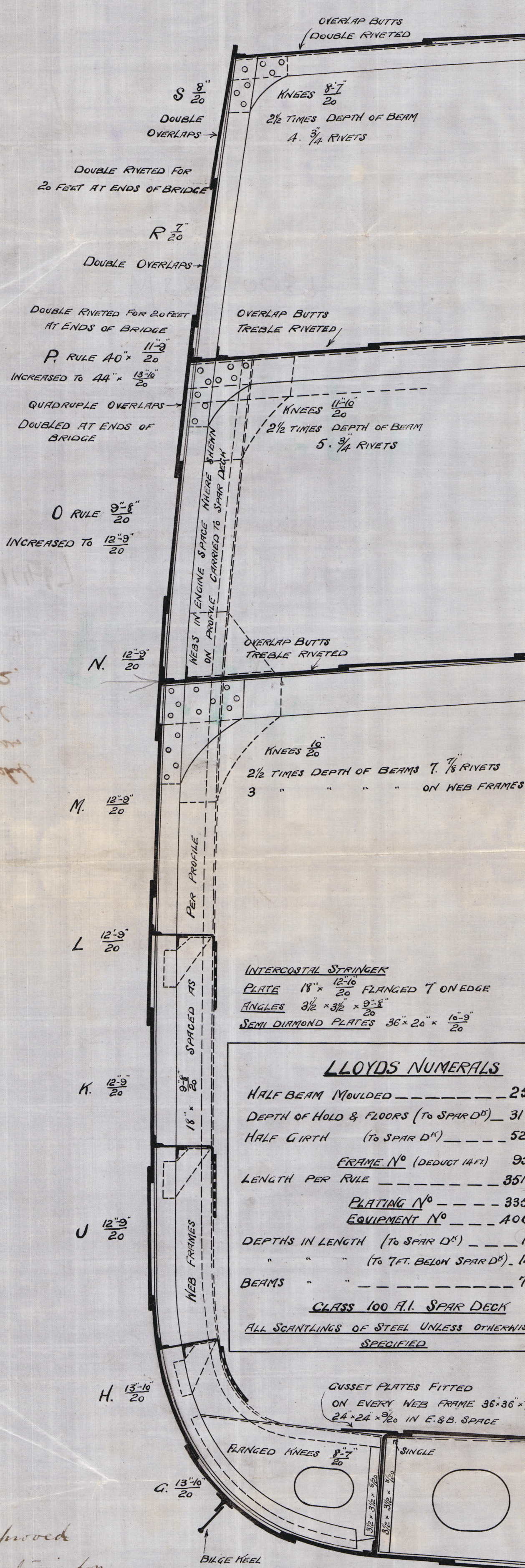


MIDSHIP SECTION

SCALE 1" = 1'00"
353'-4" x 50'-3" x 30'-11" DEPTH MOULDED

BRIDGE DECK

STRINGER PLATE 60" x $\frac{7}{16}$ "
" ANGLE 3 1/2" x 3 1/2" x $\frac{7}{16}$ "
BEAMS TO EVERY FRAME 6 1/2" x 3" x $\frac{7}{16}$ " BULB ANGLE
STRONG BEAM IN ENGINE SPACE 8" x 3" x $\frac{7}{16}$ " BULB ANGLE
STEEL DECK $\frac{7}{16}$ "



UNDER 46 FEET
DOUBLE ANGLES 3 1/2" x 3 1/2" x $\frac{7}{16}$ "
2 1/4" DIA.
AT EVERY 4TH FRAME
DOUBLE ANGLES 3 1/2" x 3 1/2" x $\frac{7}{16}$ "
2 1/4" DIA.
AT ALTERNATE FRAMES

SPAR DECK

STRINGER PLATE 56" x $\frac{10}{16}$ " TO 45" x $\frac{9}{16}$ "
" ANGLE 4" x 4" x $\frac{9}{16}$ "
BEAMS TO EVERY FRAME 8" x 3" x $\frac{11}{16}$ " BULB ANGLE
" AT HATCH ENDS BULB 1 1/2" x $\frac{11}{16}$ " & ANGLE 5" x 4" x $\frac{11}{16}$ "
STRONG BEAMS IN ENGINE SPACE BULB TEE 1 1/2" x 6" x $\frac{11}{16}$ " & 2 ANGLES 5" x 4" x $\frac{11}{16}$ "
STEEL DECK $\frac{7}{16}$ " INCREASED IN WAY OF OPENINGS

MAIN DECK

UNDER 48 FEET
DOUBLE ANGLES 4" x 3 1/2" x $\frac{9}{16}$ "
2 1/4" DIA.
AT EVERY 4TH FRAME
STRINGER PLATE 56" x $\frac{10}{16}$ " TO 45" x $\frac{9}{16}$ "
" ANGLE 4" x 4" x $\frac{9}{16}$ "
BEAMS ON ALTERNATE FRAMES 12" x 6" TO 10 1/2" x 5 1/2" x $\frac{10}{16}$ " BULB TEES
" AT HATCH ENDS BULB 12" x $\frac{10}{16}$ " & ANGLE 5" x 4" x $\frac{10}{16}$ "
STRONG BEAMS IN ENGINE SPACE BULB TEE 12" x 6" x $\frac{10}{16}$ " & 2 ANGLES 5" x 4" x $\frac{10}{16}$ "
STEEL DECK FOR 1/2 LENGTH $\frac{3}{16}$ " INCREASED IN WAY OF OPENINGS

MAIN DECK

UNDER 50 FEET
ANGLE 3 1/2" x 3 1/2" x $\frac{7}{16}$ "
1 1/8" DIA.
AT EVERY 4TH FRAME
FRAMES TOPS BULB ANGLE 6 1/2" x 3 1/2" x $\frac{10}{16}$ " FOR 3/4 LENGTH
1/2" AT ENDS SPACED 24" APART
FRAMES ON WEBS ANGLE 5 1/2" x 3 1/2" x $\frac{9}{16}$ "
REVERSE FRAME ON WEBS DOUBLE ANGLES 4" x 3 1/2" x $\frac{9}{16}$ "
" UNDER ENGINES 3 1/2" x 3 1/2" x $\frac{9}{16}$ " UNDER BOILERS $\frac{10}{16}$ "
FRAMES ON BULKHEADS DOUBLE ANGLES 5 1/2" x 3 1/2" x $\frac{9}{16}$ "
BULKHEADS UPPER PLATING 1/2" LOWER PLATING 1/2"
STIFFENERS T x 3 1/2" x $\frac{10}{16}$ " BULB ANGLES SPACED A FEET APART
VERTICALLY & HORIZONTALLY TOGETHER WITH SEMI-BOX BEAMS
AS SHOWN ON PROFILE
FORGINGS STEM BAR 11" x 2 1/8" SCREW FRAME 11" x 6 3/4"
RUDDER HEAD 9 1/2" DIA. HULL TEE 1 1/2" x 3 1/4" PINTLES 4 3/4" DIA.
BUTTS OF ALL SHELL TREBLE RIVETED & OVERLAPPED
UNLESS OTHERWISE SPECIFIED
DOUBLE ANGLES CONNECTING BULKHEADS TO DECKS
& TANK TOP 3 1/2" x 3 1/2" x $\frac{9}{16}$ "

LLOYDS NUMERALS

HALF BEAM MOULDED 25'-0 1/4"
DEPTH OF HOLD & FLOORS (TO SPAR DECK) 31'-11 1/2"
HALF GIRTH (TO SPAR DECK) 52'-3 3/4"
FRAME NO (DEDUCT 14 FT) 95'-3 1/2"
LENGTH PER RULE 351'-6"
PLATING NO 33500
EQUIPMENT NO 40695
DEPTHS IN LENGTH (TO SPAR DECK) 10'-9 9/16"
" (TO 7 FT. BELOW SPAR DECK) 14'-0 8/16"
BEAMS 7'-0 2/16"

CLASS 100 A.L. SPAR DECK

ALL SCANTLINGS OF STEEL UNLESS OTHERWISE SPECIFIED

GUSSET PLATES FITTED
ON EVERY WEB FRAME 36" x 36" x $\frac{1}{2}$ " IN HOLDS
24" x 24" x $\frac{3}{16}$ " IN E & B. SPACE

TANK TOP CENTRE PLATE 36" x $\frac{10}{16}$ "
" IN ENGINE ROOM 1/16" IN BOILER ROOM 1/16" IRON
" HOLDS $\frac{3}{16}$ "

TANK SIDE
PLATE 35" x $\frac{10}{16}$ "
ANGLE 4" x 4" x $\frac{9}{16}$ "
OUTER TANK SIDE LUGS DOUBLE FOR
1/2 LENGTH & AT WEBS

FLOORS FLANGED TOP AND BOTTOM $\frac{9}{16}$ "
FLOORS UNDER ENGINES FLANGED AT BOTTOM $\frac{9}{16}$ " UNDER BOILERS $\frac{10}{16}$ "
TANK INTERCOSTAL FLANGED TOP & BOTTOM $\frac{9}{16}$ "

DOUBLE BUTTSTRAPS TO KEEL

NO KEEL DOUBLING

FURNESS, WITBY & CO., LIMITED.

SHIPBUILDERS & REPAIRERS

WEST HARTLEPOOL.

June 12/01

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Lloyd's Register
Foundation

WS83-0037

N^o 252

NOTE — NUMERALS TAKEN AS THOUGH MAIN DECK WAS 7 FEET BELOW SPAR DECK

Copy of approved
Midship Section for
Messrs. Furness, Withy & Co.
No. 251 & 252.

17.6.01.

"Alleghany"
Hpl. Report No. 11467

WS'8B-0037