

N:17503.

MIDSHIP SECTION.

SCALE 1/25.

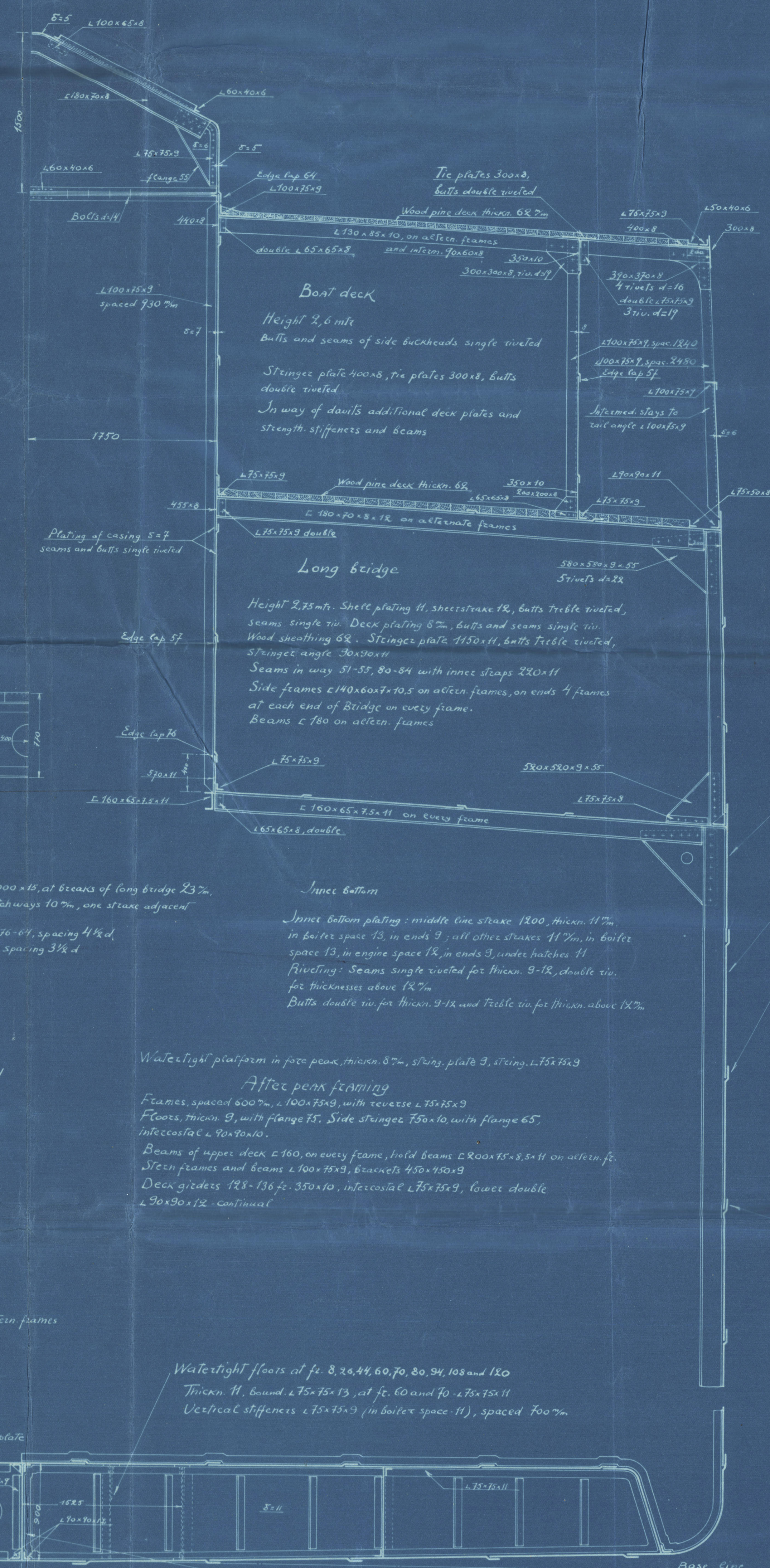
„Tovarischi Stalin“, № 166

PRINCIPAL DIMENSIONS.

84,12 B.P. x 13,1 B.M. x 6,9 D.M. / Mtz/
276,00" x 43,0" x 22,64" / Ft/

Lloyd's Numerals

L 1 = 276.00 = 84.12 mts
B = 43.0 = 13.1 mts
D = 22.64 = 6.9 mts
d = 19.7'
L x D = 6251
L x (B+D) = 18120
L/D U D = 12.8
L/D B x D = 8.75



Forecastle

Shell plating 9", deck plating and stringer plate 9", stringer L 75x75x9. Side frames L 140x60x7x10.5 on alternate frames. Lower beams L 300x50x9x55. Intermediate L 100x75x9. Beams on alternate ft. L 180x70x8x12 with intermediate L 130x85x10. Beam knees 500x50x8x55.

Poop

Shell, deck plating and stringer 9", deck stringer L 300x90x12. Side frames L 140x60x7x10.5 on alternate frames. Beams on alternate ft. L 180x70x8x12. Intermediate frames L 75x75x9. Deck girders 300x9, with two lower L 75x75x9.

Erections in way of masts

Side and deck plating 7", bulks and seams single riveted. Deck boundary L 75x75x11. Side frames L 140x60x7x10.5 and beams L 180x70x8x12 on every frame. Middle line deck girder 800x100x9 with 200x20x10. Three web frames are fitted.

Sheets 1300x15 at beams of long bridge 23", seams double riveted, breadth 134 bulks treble riveted straps.

Streaks below sheets 1400x14, bulks treble riveted straps.

Seams double riveted, breadth 134.

Shell plating from streak below sheets to bridge streak.

Thickness	1/2"	1"	1 1/2"
Bulk straps	Treble	Treble	Treble

Ice strengthening: from stem to ft. 25 thick of plating 18" (excl. sheets). Boss plate thick. 1 1/2". Plates at stem frame 12".

Seams double riveted, breadth 115.

Bridge streak 1800x12. Bulks treble riveted straps. Seams double riveted 115.

Stem

Lower portion - steel casting. Area of section at LWH - 122 cm².

Steeplecase (steel casting)

Rudder post 210x145, stem post 220x145.

Rudder (A x D = 441)

Area of rudder = 10.5 m², diameter of head - 240, single plate thick. 28".

Hatchway coamings

Side coamings, thick. 11, etc. supported as shown by brackets on upper deck, thick. 11, flange 75 and spaced 2500". Brackets under upper deck, thick. 11, flange 75. End coamings, thick. 18, flange 185. Beams on upper deck, thick. 18, flange 60, angle 75x75x9.

Side coamings are continued as deck girders, between web beams and bulkheads. Web beams are supported by pillars and by reinforced stiffeners, fitted to watertight bulkheads.

Hatchway beams

4 beams in each hatch.

Web beams

Web beams are fitted at ends of hatchways with one pillar in middle line.

Upper deck

Deck stringer plate 1500x15, in ends of vessel 1000x15, at beams of long bridge 23". Deck plating within hatchways 10", one stripe adjacent to hatchways 13, other - 10". Seams single riv. riv. d. 22 and 19, breadth of seams 70-64, spacing 4 1/2". Bulks double riv. thick. above 12" - treble riveted, spacing 3 1/2". Stringer angle 125x125x15.

Framing in way of ft. 8-20

Side frames, spaced 680" in L 220x80x12x18, with reverse L 75x75x9, shell rivets d. 22, spaced 5.5". Beam knees 315x90x10x65 on every frame interval ft. 20, 30, 40, 50, 60, 70, 80, 90, 100. Intermediate side frames L 160x80x10 from deck to bridge, no braced, riv. d. 22, spaced 5.5". Side stringers - 3 on each side, spaced 1600, of intercostal plates 70" and contin. L 130x85x12. Shell L 80x90x10, double. Tank side brackets on every frame, no flanged, with double L 75x75x9. Side frames abaft from ft. 20: L 240x80x12x18, spaced 620". Beams of upper deck on every frame: L 160x65x12x11.

Fore peak framing

Frames, spaced 600" in L 100x75x9, with reverse L 75x75x9, total depth 110. Interim frames L 100x75x11. Side stringers in line of hold stringers 750x9, attached to shell by double intercostal L 90x80x9. Floors 9", with flange 75. Beams of upper deck L 160, of platform L 140, hold beams in line of side stringers L 140, on alternate frames. Deck and platform beams on every frame.

Gussets abaft from ft. 34 on alternate frames. 7 riv. forward from ft. 34 on every tank side bracket. 12 riv. thick of gussets 10, in bolt space 12. Doubled under the bulks, thrust block seating and in engine space from center girder to margin plate.

Shell plating from bridge streak to flat plate keel thick. 12", up ft. 11".

Seams double riveted. Bulks treble riveted straps.

Frame as in L 75x75x9, forward ft. 28 doubled with riv spacing 5 1/2", centered in bolt space.

Vertical stiffeners at ft. 70-81 to be fitted as shown. Side girders in way of ft. 25-100. Thick. 9, in bolt space 11, longitudinal L 75x75x9, in bolt space upper angle 75x75x11, lower - cemented. Vertical L 65x65x8. Additional intercostal stringer in way 15-20 ft. 450x9, angles 75x75x9, and vertic. angles 65x65x8.

Flat plate keel 1150x15 in ends 14, bulk straps treble riveted. Seams double riveted.

Center girders, height 400". Thick. 11" in 1/2" L, 10" in ends, 14" in bolt space. Double bulk straps, double riveted. Double contin. upper angle 75x75x9 in bolt space 75x75x11. Lower contin. angle 90x90x12, in bolt space cemented. Vertical L 75x75x9.

Floors

Floors of height 700, on every frame from center girder to margin plate. Thick. 9, in bolt space 11, water tight floors - 11.

Margin plate height 715" from extension bulkhead to after 3/5 L, at aft end 610", thick. 10, in bolt space 13. Bulk straps double riveted, in bolt space double bulk straps, treble riveted.

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