

N:17503.

MIDSHIP SECTION.

SCALE 1/25.

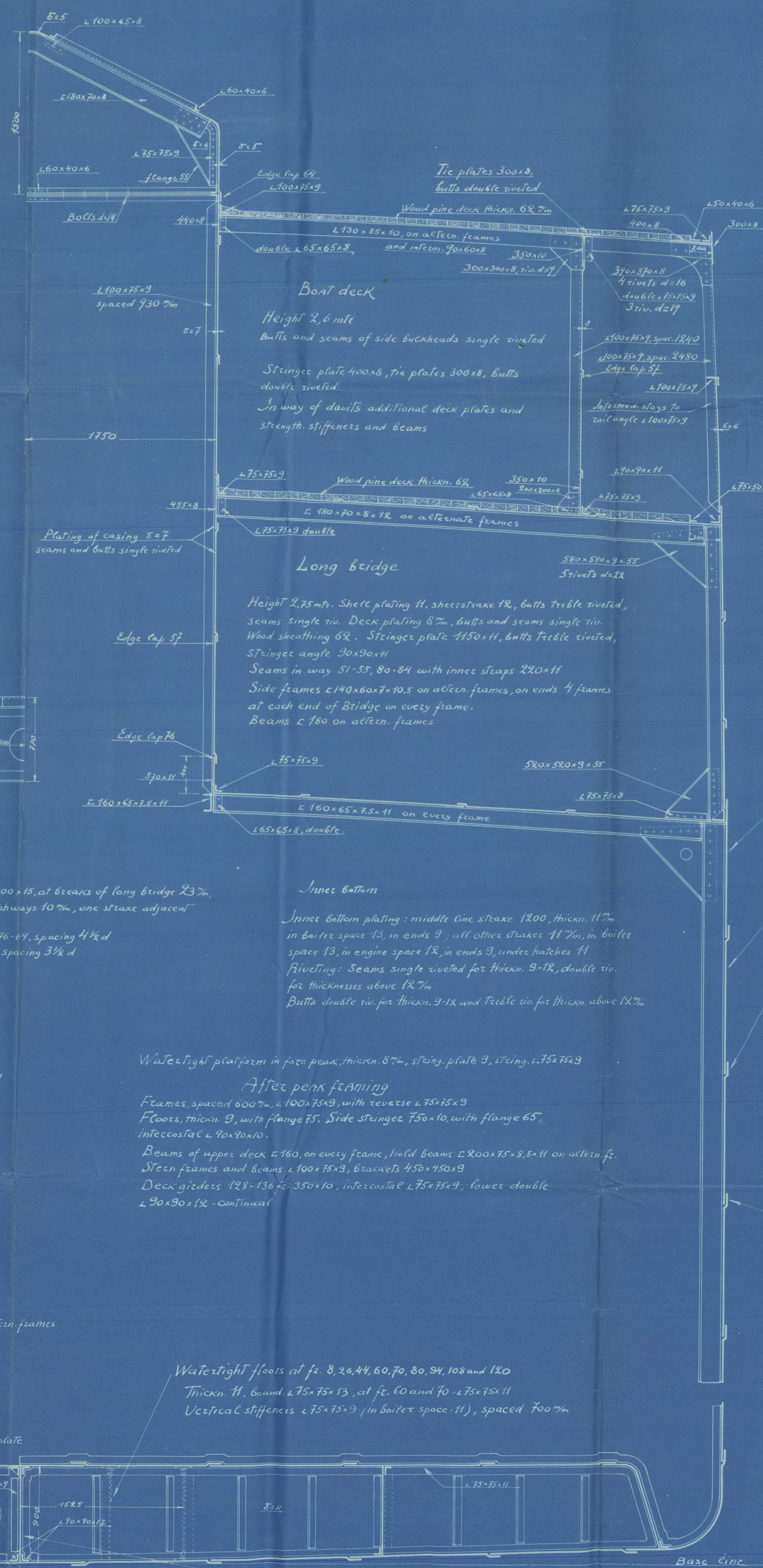
"GREGORY ZINOVIEFF", N:165

PRINCIPAL DIMENSIONS.

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

Lloyd's Numerals

L 1 = 276.00 = 84,12 mtr
 B = 43.0 = 13,1 mtr
 D = 22.64 = 6,9 mtr
 d = 19,7'
 L x D = 6251
 L x (B + D) = 18190
 L/D = 12,9
 L/D B x D = 8,75



Forecastle

Shell plating 9mm, deck plating and stringer plate 9mm, stringer L75x75x9. Side frames L140x60x7x10.5 on all steel frames. Lower beams L320x310x7x35. Intermediate L100x75x9. Beams on all steel fr. L180x70x8x12 with intermediate L130x85x10. Beam knees 500x450x8.55

Poop

Shell, deck plating and stringer 9mm, deck stringer L90x30x12. Side frames L140x60x7x10.5 on all steel frames. Beams on all steel fr. L180x70x8x12. Intermediate frames L75x75x9. Deck girders 300x9, with two lower L75x75x9

Erections in way of masts

Side and deck plating 7mm, butts and seams single riveted. Deck boundary L75x75x11. Side frames L140x60x7x10.5 and beams L180x70x8x12 on every frame. Middle line deck girder 800x160x9 with center L90x90x10. Three web frames are filled

Sheets 1300x150 at beams of long bridge. 23mm; seams double riveted, breadth 134 butts double riveted straps

Stakes below sheets 1400x14, butts double riveted straps

Seams double riveted, breadth 134

Shell plating from stakes below sheets to bilge stakes

Thickness	1/4	1/2	3/4
Butt straps	12	18	12
	12	18	12

Ice strengthening: from stem to fr. 25 thickness of plating 18mm (excl. sheets)

Base plate: 14mm

Plates at stem from 12mm

Seams double riveted, breadth 115

Bilge stakes 133x12

Butts double riveted straps

Seams double riveted - 115

Stem

Lower portion - steel casting. Area of section at LWL - 182 cm²

Stemframe (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. 28mm

Hatchway coverings

Side coverings, thick. 11, are supported, as shown, by beams on upper deck, thick. 11, flange 75 and spaced 2300mm; beams under upper deck, thick. 11, flange 75. End coverings, thick. 11, flange 75. Beams on upper deck, thick. 11, flange 60, angle 75x75x9

Side coverings are continued as deck girders, between web beams and bulkheads. Web beams are supported by pillars and by reinforced stiffeners, filled to waterproof bulkheads

Hatchway beams

4 beams in each hatch

Web beams

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

Tank side benches: thickness 10, in bilge space 18, on every frame. Flange 75

Margin plate: height 715mm from collision bulkhead to after 3/4 L, at aft end 610mm, thickness 10, in bilge space 13. Butt straps double riveted, in bilge space double butt straps, double riveted

Framing in way of fr. 20

Side frames, spaced 680mm, L 240x80x9x12.5, with reverse L75x75x9, shell rivets at 22, spaced 53d. Beam knees 315x315x10x65 on every frame, incl. fr. 20, 21, 22, 23. Intermediate side frames L160x80x7x10 from deck to bilge, no brackets, riv. at 22, spaced 53d. Side stringers - 5 on each side, spaced 1600, of intercostal plates 70mm and center L130x85x12 shell L90x90x10, double.

Tank side benches on every frame, no flange, with double L75x75x9

Side frames abutt from fr. 20 - L 240x80x9x12.5, spaced 620mm

Beams of upper deck on every frame L 160x65x12.5x11

Fore peak framing

Frames, spaced 600mm, L 100x75x9, with reverse L75x75x9, total depth 110

Interm. frames L100x75x11

Side stringers in line of hold stringers 750x9, attached to shell by double intercostal L90x90x9

Floors 9mm, with flange 75

Beams of upper deck L160, of platform L140, hold beams in line of side stringers L140, on all steel frames

Deck and platform beams on every frame

Gussets abutt from fr. 34 on all steel frames

7mm. Forward from fr. 34 on every bulk side

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L75x75x9, in bilge space 11

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L65x65x9, in bilge space 10

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L75x75x9, in bilge space 11

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L65x65x9, in bilge space 10

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L75x75x9, in bilge space 11

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L65x65x9, in bilge space 10

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L75x75x9, in bilge space 11

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

L65x65x9, in bilge space 10

Double under the bulkhead, front bulk, sealing and in engine space, from center girder to margin plate

Water tight platform in fore peak, thick. 8mm, string plate 9, string L75x75x9

After peak framing

Frames, spaced 600mm, L 100x75x9, with reverse L75x75x9

Floors, thick. 9, with flange 75. Side stringer 750x10 with flange 65

Intercostal L90x90x10

Beams of upper deck L160, on every frame, hold beams L 200x75x9, 8.5x11 on all steel fr.

Steel frames and beams L100x75x9, brackets 450x150x9

Deck girders 125x130x9, 350x10, intercostal L75x75x9, lower double

L90x90x12 - continuous

Water tight floors at fr. 8, 20, 44, 60, 70, 80, 94, 108 and 120

Thick. 11, bound L75x75x13, at fr. 60 and 70 - L75x75x11

Vertical stiffeners L75x75x9 (in bilge space 11), spaced 700mm

Flat plate keel 1150x15

in ends 14, butt straps double riveted

Seams double riveted

Center girders, height 900mm

thick. 11mm in 1/4 L, 10mm in ends,

14mm in bilge space. Double butt

straps, double riveted.

Double contin. upper angle 75x75x9

in bilge space 75x75x11. Lower

contin. angle 90x90x12, in bilge

space cemented.

Vertical L75x75x9

Floors

Floors of height 700, on every frame

from center girder to margin plate

thickness 9, in bilge space 11, water

tight floors 11

Константин: 1/11/11

Г.А. КОНСТАНТИН: 1/11/11

Г.А. КОРАС, ИНЖЕНЕР: 1/11/11

23

Midship Section
(assembled)

S.S. "GREGORY ZINOVIEFF"
LENINGRAD. 7.

RF 111



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Lloyd's Register
Foundation

W1228-0148