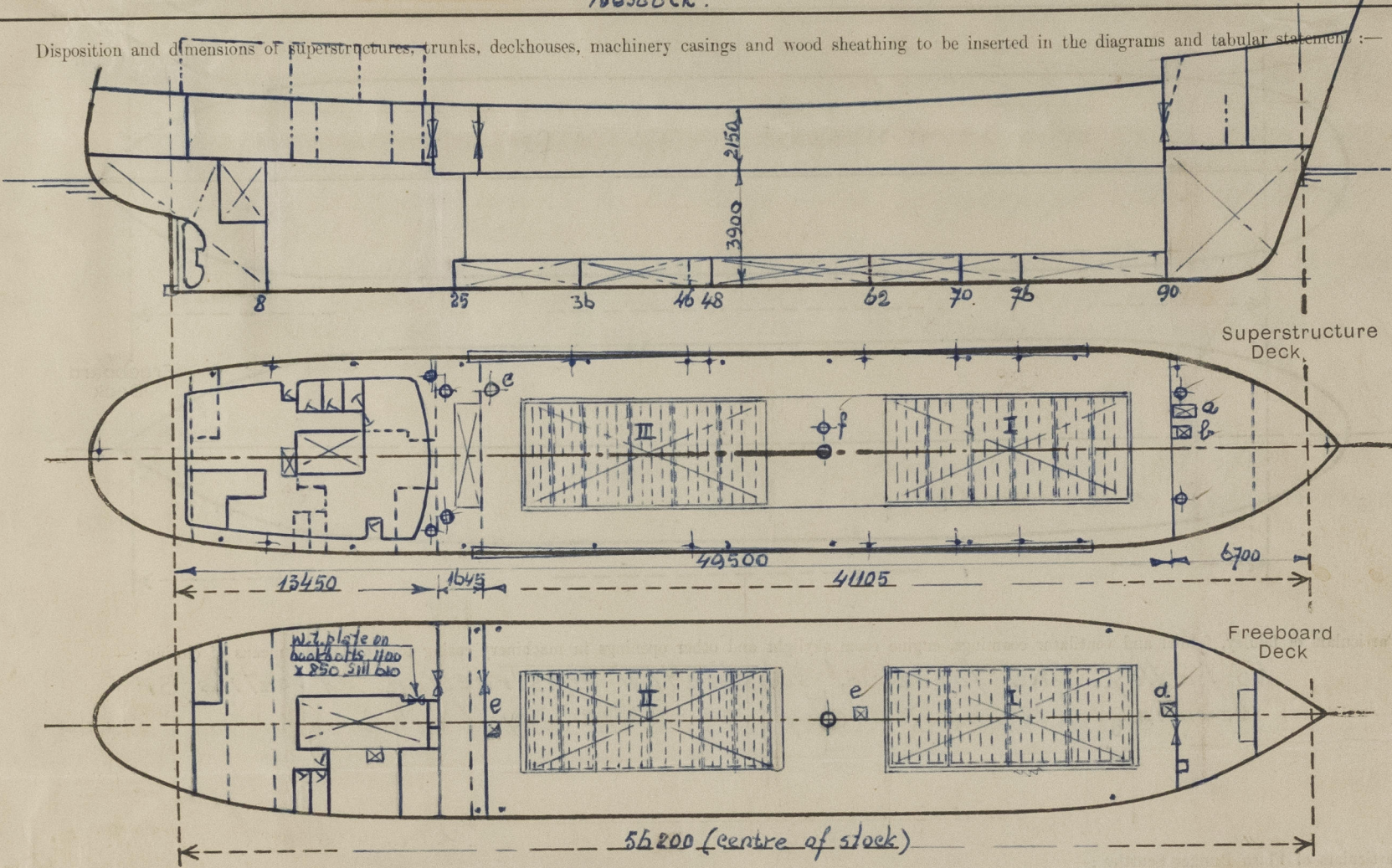


SURVEYS FOR FREEBOARD

(CONDITIONS OF ASSIGNMENT)

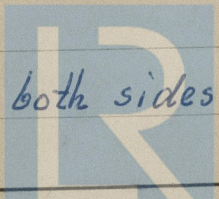
Gro Rpt 3088

Ship's Name "BARTH" Port of Survey Groningen
Official Number Surveyor's Signature W. Janssen
Nationality and Port of Registry German Democratic Republic Date of Survey while building
Rostock.



Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming mm	Plating	Stiffeners mm	Spacing mm	End Attachments of Stiffeners	Size of Openings mm 1x	Height of Sills mm	Height, Beam to Beam mm
Poop Bulkhead	6		50 x 50 x 7	500	ew	1530 x 1220	610	2350
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead	5		50 x 50 x 6	500	ew	1530 x 1220	610	2300
Bridge, Forward Bulkhead								
Forecastle Bulkhead								
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...								
Exposed Machinery Casings on Super- structure Decks								
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances	6		65 x 50 x 6 ⁵	550	ew	1670 x 600	240	2200
Deckhouses and Pump Room Entrances								

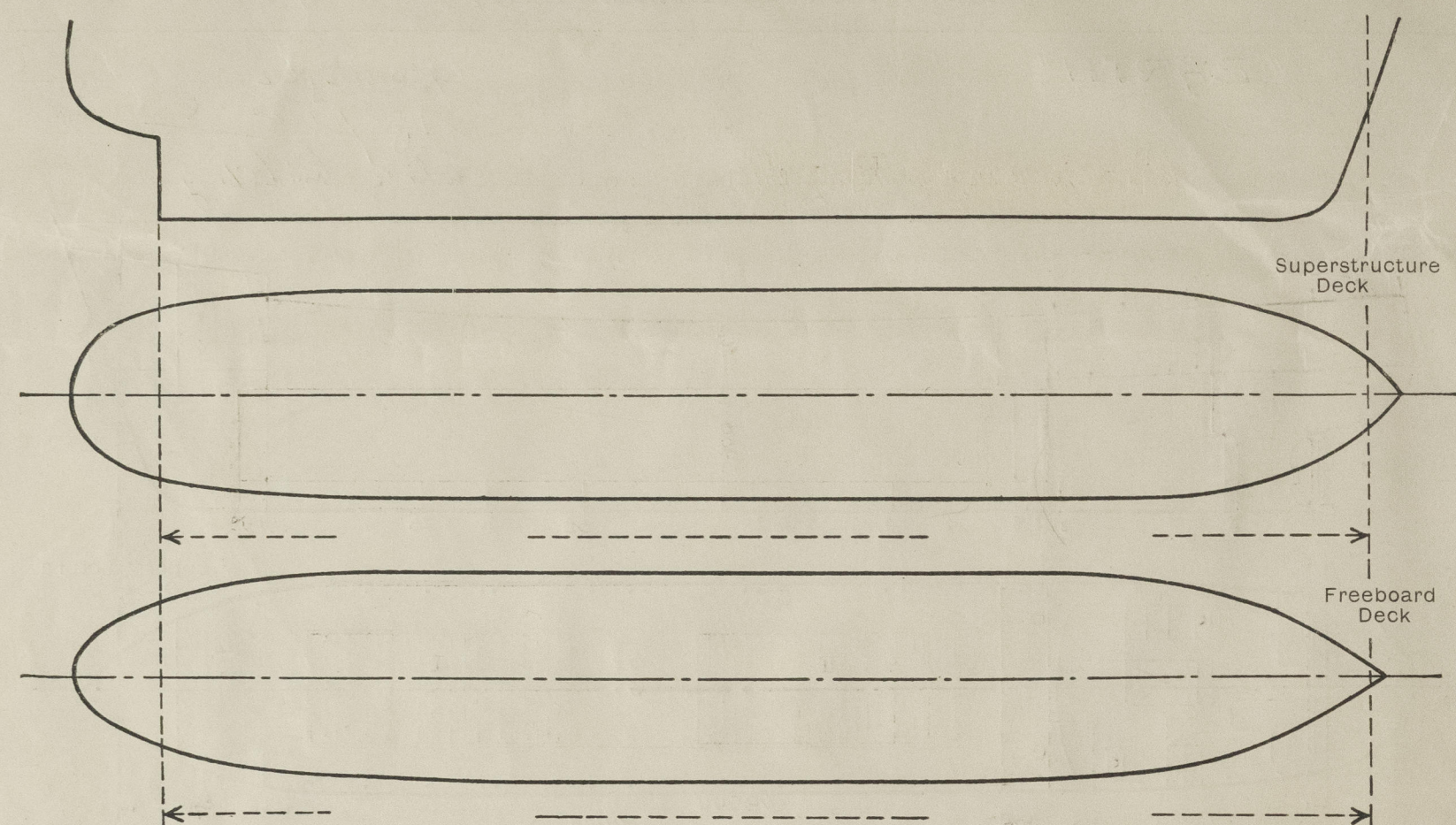
Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead	1 portable steel plate on hookbolts not passing through bulkhead
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead	1 portable steel plate on hookbolts not passing through bulkhead
Bridge, Forward Bulkhead	
Forecastle Bulkhead	
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	
Exposed Machinery Casings on Super- structure Decks	
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances	1 w.t. hinged steel door, operated both sides.
Deckhouses and Pump Room Entrances	



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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, side scuttles, scuppers, ventilators, companionways, etc., which would affect the seaworthiness of the ship :—



Particulars of fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing :—

No fiddle. Steel funnel of substantial construction. 1 Ventilator coaming $\phi 12"$. 2 Steel flaps on casing top (w.t.)

Particulars of Flush Bunker Scuttles :—

none

Particulars of Companionways :—

(including those incorporated in deckhouses and masthouses)

Access to accommodation tweendeck aft in deckhouse. Entrance to deckhouse by 2 hinged hardwood doors, sills 500 mm.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :—

On raised foredeck : 2x $\phi 12"$, height 1040 mm, supported
On shelterdeck : 2x $\phi 14"$, " 915 mm
2x $\phi 12"$, " 915 mm

THICKNESS OF COAMINGS 10 mm.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :—

On raised foredeck : 2x $\phi 3\frac{1}{2}"$, height 800 mm.
On shelterdeck : 13x $\phi 4"$, height 700 mm with snifting hole. on watertanks ; height 875 mm on oilfuel tanks ; closing arrangements resp. long canvas hose and gascap with ball.

Particulars of Gangway Cargo and Coaling Ports :—

None

Particulars of Scuppers and Sanitary Discharge Pipes :—

On each side of shelterdeck 8 scupperpipes to overboard $\phi 3\frac{1}{2}"$
Chainlocker drained by $\frac{1}{2}"$ handpump, discharging to deck.
Tweendeck drained to holdbilges by on each side 2-3" scupperpipes with serewdown valves, operated from shelterdeck ; open/shut indication.
Gutterways around sunk hatchways drain to above valves.
Tonnage well drains to holdbilges by on each side 1-4" scupperpipe with serewdown valve, operated from shelterdeck ; open/shut indication.
Accommodation in tweendeck aft drained to ER bilge by on each side 1-2" scupperpipe with selfclosing cock in ER, easily accessible.
Steering gear space drains to ER bilge by 2" scupperpipe with selfclosing cock, easily accessible.
On each side in ER 1-4" nonreturn valve (bronze) with locking spindle and 1-2" ditto, discharging to overboard respectively from W.C. situated above shelterdeck and from collecting pipeline washbowls and floors in tweendeck and above.

Particulars of Side Scuttles and Deadlights :—

Sidescuttles in sides of accommodation tweendeck aft ; all of substantial construction, fitted on steel bands ew. to shell ; hinged deadlights ; $\phi 10"$.

Vertical distance of Sill of lowest Side Scuttle above top of keel no scuttles under freeboarddeck
Distance from amidships to centre of lowest Side Scuttle

Particulars of Guard Rails and Bulwarks :—

On raised foredeck steel bulwark, height 1100 to 1000 mm, efficiently supported ; on shelterdeck, ditto, height 1100 mm.

Particulars of Gangways, Lifelines, etc. :—

Particulars of Freeing Arrangements.						
	Length of Bulwark m	Height of Bulwark mm	Size of Freeing Ports mm	Number each side	Area each side	Rule area each side
After Well ...	49.50	1100	30800 x 200	1	6.16	$\frac{3.013}{2} m^2$
Forward Well ...						
State position of each freeing port ... { After Well :— 140 (P. and A. position and height above deck edge) { Forward Well :—						
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— no shutters nor bars.						
Additional area where sheer is less than standard.						

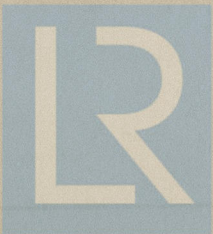
PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway		Freeb. Deck			Shelterdeck				
		I	II		I	II			
Dimensions of Hatchway		12.09" x 4.85"	12.10" x 4.85"		12.09" x 5.50"	12.10" x 5.50"	12.2" x 5.50"		
COAMINGS	Height above Deck ...	sunk 240	sunk 240		1200	1200	305		
	Thickness { Sides ...	10	10		11	11	11		
	{ Ends ...								
	Stiffeners ... { Sides ...	—	—		300 x 65 x 10	300 x 65 x 10	—		
	Brackets, Stays { Ends ...	—	—		6/3	6/3	—		
HATCH BEAMS WEBS	Number	Mac Gregor type			Mac Gregor type				
	Spacing	hatches as per approved plan			hatches as per approved plan				
	Scantling and Sketch ...	(cross joint cleats spaced 1200)			(cross joint cleats spaced 1200)				
	Bearing Surface ...	180 x 10 to 165 x 10 656 to 608	165 x 10 to 115 x 10 678 to 522		210 x 10 to 165 x 10 683 to 558	180 x 10 to 140 x 10 580 to 475			
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths ...								
	Scantling* and Sketch ...								
HATCH COVERS	Bearing Surface ...								
	Material	steel			steel				
	Thickness	7-6 ⁵			7-6 ⁵				
	How fitted	thwartships, hinged			thwartships				
Spacing of Cleats	Bearing Surface ...								
	Number of Tarpaulins ...	990" w.t.			990" w.t.				
*Are wood fore and afters steel shod at all bearing surfaces?		—			—				
Are battens and wedges efficient and in good condition?		—			—				
Are tarpaulins in good condition and in accordance with rule requirements?		—			—				
Are lashings provided in accordance with rule requirements?		—			—				
Are wood covers fitted with galvanised end bands?		—			—				

Particulars of any special features :— (Timber Deck-cargo Fittings, Skylights, Sewage Systems, Ash Ejectors, Rubbish Shoots, etc.)

SMALL HATCHES

	Shelterdeck			Freeb. deck		Mastd.
Description of Hatchway	a	b	c	d	e	f
Dimensions of Hatchway	1170 x 880	565 x 590	ø 590	ø 610	480 x 590 ^{2x}	ø 590
Coamings Height above Deck	650	625	630	250	250	610
Thickness	8 ⁵	8 ⁵	9 ⁵	7	7	8 ⁵
Hatch Material	steel	steel	steel	steel	steel	steel
Covers Thickness	6 ⁵	6 ⁵	9 ⁵	6 ⁵	6 ⁵	8 ⁵
How fitted	hinged	hinged	hinged	hinged	hinged	hinged
Spacing of Cleats	4 dogs	2 dogs	2 dogs	4 dogs	2 dogs	2 dogs
Number of Tarpaulins	w.t.	w.t.	w.t.	w.t.	w.t.	w.t.



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