

## Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

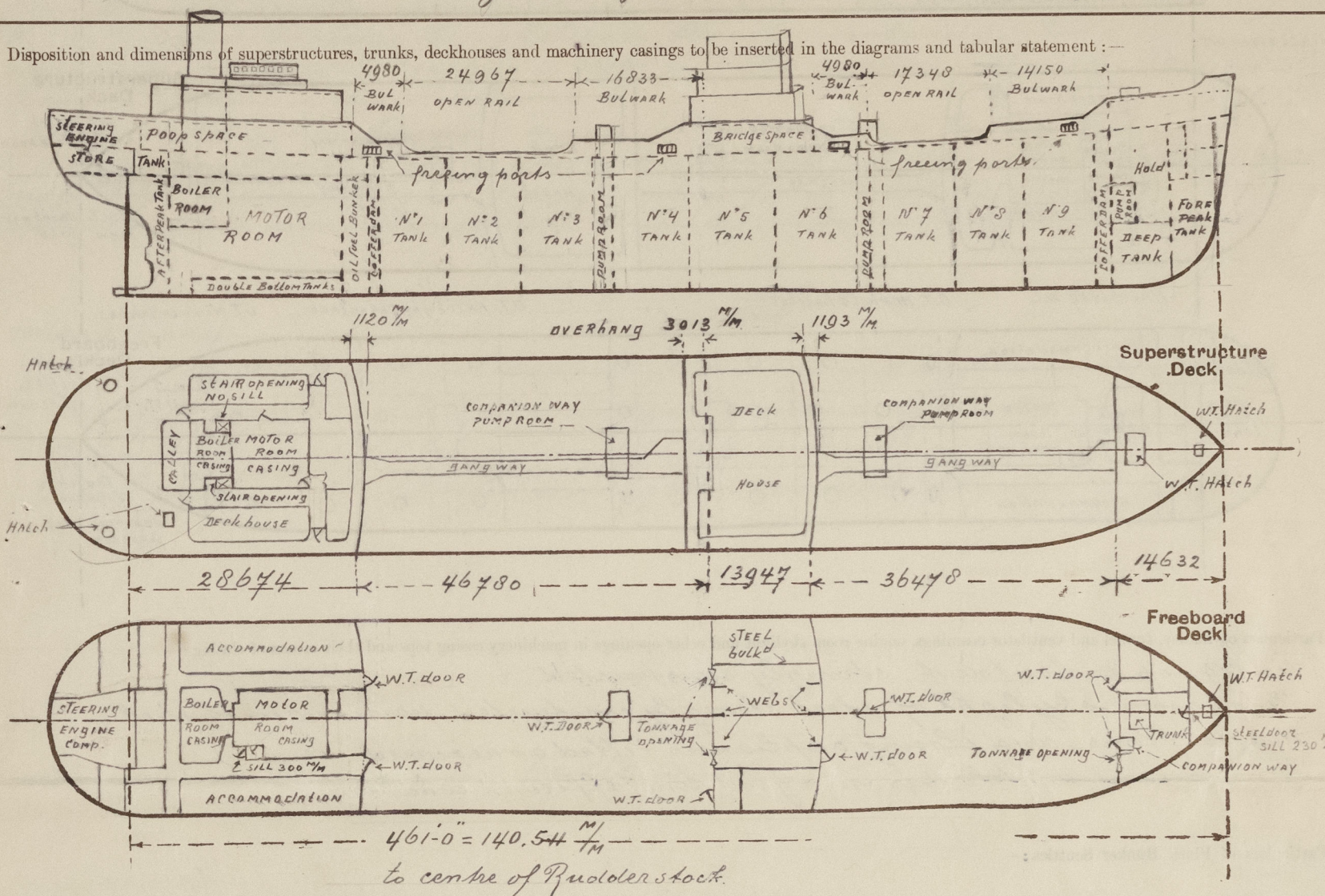
(CONDITIONS OF ASSIGNMENT.)

Ship's Name *M.V. "MITRA"*Port of Survey *Schiedam*

Official Number

Surveyor's Signature *H. J. Jonker*Nationality and Port of Registry *Netherlands, 's Gravenhage*Date of Survey *Whilst building*

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:



Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming m/m	Plating m/m	Stiffeners m/m	Spacing m/m	End Attachments of Stiffeners	Size of Openings	Height of Sills m/m	Height of Casings m/m
Poop Bulkhead ...	178 x 14	11	1254 x 12 1/2	688	E.W. top & bottom	two 1490 x 827	460	2440
Raised Quarter Deck Bulkhead ...						ONE W.T. DOOR 1520 x 803	460	
Bridge, After Bulkhead ...	178 x 14	8	1746 x 50 x 7	670	none	TWO TONNAGE OPENINGS 1300 x 950	590	2286
Bridge, Forward Bulkhead ...	178 x 14	11	1254 x 12 1/2	670-770	E.W. top & bottom	1520 x 480	460	2286
Forecastle Bulkhead ...	178 x 14	7 1/2	1746 x 50 x 7	755-848	E.W. top & bottom	two W.T. doors 1520 x 640	460	2286
Trunk, Aft ...						tonnage opening 1530 x 1225	580	
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks <i>Bont deck A.F.T.</i> ...	610 x 7 1/2	7 1/2	1746 x 50 x 6	781-794	Beackets at top continuously	none		610
Machinery Casings within Superstructures <i>not</i> fitted with Class I Closing Appliances ...	300 x 8 1/2	7 1/2	1746 x 50 x 6	781-794	continuously	1650 x 610	300	2440
Deckhouses on <i>Poop</i> Deck <i>Ship</i> ...	203 x 10	7	1746 x 65 x 8	781-794	lugs	1405 x 685	460	2440

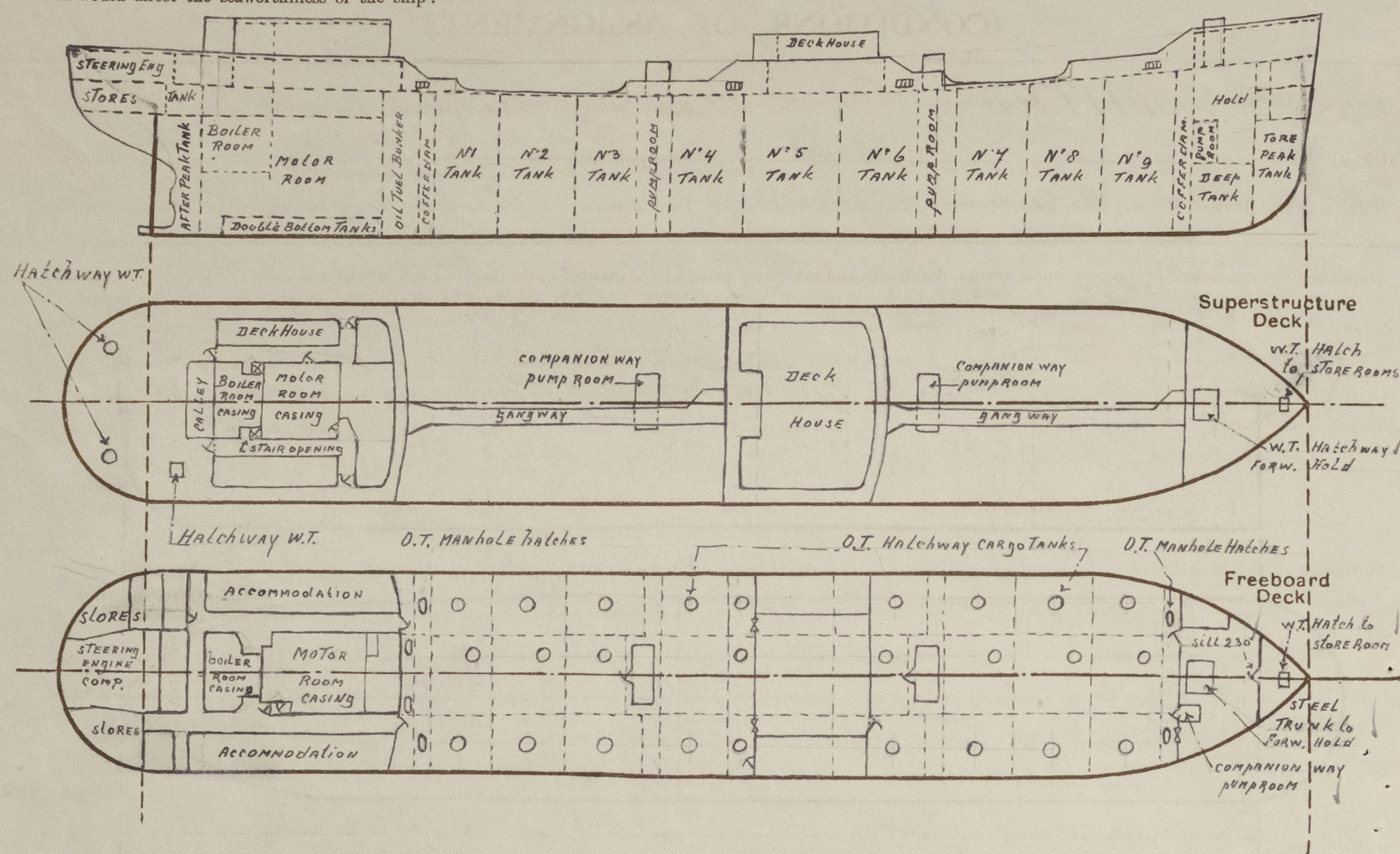
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	Openings closed by steel hinged W.T. doors operated from both sides (6 loggels)
Raised Quarter Deck Bulkhead ...	One opening closed by steel hinged W.T. door operated from both sides (4 loggels)
Bridge, After Bulkhead ...	two openings closed by portable plates fastened with hook bolts spaced 350 m/m
Bridge, Forward Bulkhead ...	One opening closed by steel hinged W.T. door operated from both sides (6 loggels)
Forecastle Bulkhead ...	Two openings closed by steel hinged W.T. door operated from both sides (4 loggels)
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ..	One opening closed by portable plate fastened with hook bolts spaced 312 m/m
Exposed Machinery Casings on Superstructure Decks ...	
Machinery Casings within Superstructures <i>not</i> fitted with Class I Closing Appliances ...	Openings closed by ordinary steel hinged doors operated from both sides
Deckhouses on <i>Poop</i> Deck <i>Ship</i> ...	Openings closed by strong hard wood doors operated from both sides



## 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, 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:—

Fiddle top on boat deck, strongly constructed.  
Motor room skylight of steel strongly constructed, provided with steel hinged flaps, and closing appliances fitted as required.  
Tunnel and ventilators in a good and efficient condition.

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways:— Two pump rooms amidship, strong steel deck house 4000 x 2500 x 2286 mm high plating 8 mm stiffeners 102 x 65 x 8 mm spaced 725 to 580 mm steel hinged W.T. doors 1520 x 685 mm sill 460 mm operated from both side (4 toggles).

To Forward pump room, Companion way built in fore castle bulk head steel hinged W.T. door 1520 x 640 mm sill 460 mm operated from both sides.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:— On Fore castle deck: six vent. coamings 915 mm high x 254 mm diam x 8 mm, respectively to pump room, Fore castle space and to forward hold. One vent. coaming 915 mm high x 305 mm diam x 9 mm and two goose neck ventilators 915 x 125 diam to spaces above fore peak tank.

On Poop deck five ventilators built to deck house with coaming 915 mm above boat deck x 254 mm diam x 8 mm and one vent. on boat deck 915 mm high x 305 mm diam x 9 mm all to poop space.

On Poop deck: two vent coamings 915 mm high x 203 mm diam x 8 mm, two vent coamings 915 mm high x 150 mm diam x 8 mm to store rooms and steering Eng. compartment in poop space.

Poop space also provided with mechanical ventilation.

Bridge space: provided with mechanical ventilation.

All ventilator coamings are provided with steel W.T. screw down covers for closing the openings.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— Fore castle deck: two air pipes 655 mm high x 80 mm diam to fore peak tank, four air pipes 655 mm high x 100 mm diam (2 SB, 2 PS) to forward deep tank. Freeboard deck: one air pipe 2200 mm high x 100 mm diam to forew. cofferdam, bracketed to fore castle bulkhead. One air pipe 2200 mm high x 100 mm diam to after cofferdam, bracketed to gangway. Two air pipes 2200 mm high x 100 mm diam to oil fuel bunker (1 SB, 1 PS) bracketed to Poop front bulkhead. Poop deck: five air pipes 655 mm high x 80 mm diam to double bottom tanks and one air pipe 665 mm high x 50 mm diam to cofferdam in motor room. Two air pipes 665 mm high x 80 mm diam to oil tanks built in tween deck in motor room. Two air pipes 655 mm high x 80 mm diam to after peak tank, and air pipes 665 mm high x 80 mm diam to fresh water tanks above after peak tank. Freeboard deck: Combined air pipe from sets of tanks provided with 6 times vacuum & pressure Relief valve. Leading to combined pipe line extending to ± 20 ft above deck connected to aftermast. Opening of air pipes are provided with wire gauze diaphragm and steel hinged flaps fastened by clips.

Particulars of Gangway Cargo and Coaling Ports:—

Mitra.

Particulars of Scuppers and Sanitary Discharge Pipes:— Forward well discharge overboard by four scupper pipes 143 mm diam. After well by five scupper pipes 143 mm diam on each side. Freeboard deck in Poop space discharge through ship side by scupper pipe leading to a combined pipe line 4" diam storm valve fitted in steel casting to shell, and also provided with a valve operated from a platform in motor room. W.C. in Poop space discharge through ship side through a combined pipe line 4" diam storm valve fitted in steel casting to shell, and also provided with a valve operated from a platform in the Motor room. Bridge deck: W.C. and washing stand are all built in deck house, built on Bridge deck and discharging through ship side just above freeboard deck. Storm valve fitted in steel casting to shell. Bridge space, drain through 1 1/4" screwed plugs fitted in after bulk head. Fore castle space, drain through 1 1/4" screwed plugs fitted in fore castle bulk head. 2 PLUGS FITTED WITH KEEP CHAIN.

Particulars of Side Scuttles:—

All side scuttles are of substantial construction and are fitted with dead lights.

Fore Castle space: Steel hinged dead lights permanently attached.

Bridge space: Steel hinged dead lights permanently attached.

Poop space: Steel hinged dead lights permanently attached.

Vertical distance of Sill of lowest Side Scuttle above top of keel No Side Scuttles below freeboard deck.

Particulars of Guard Rails:—

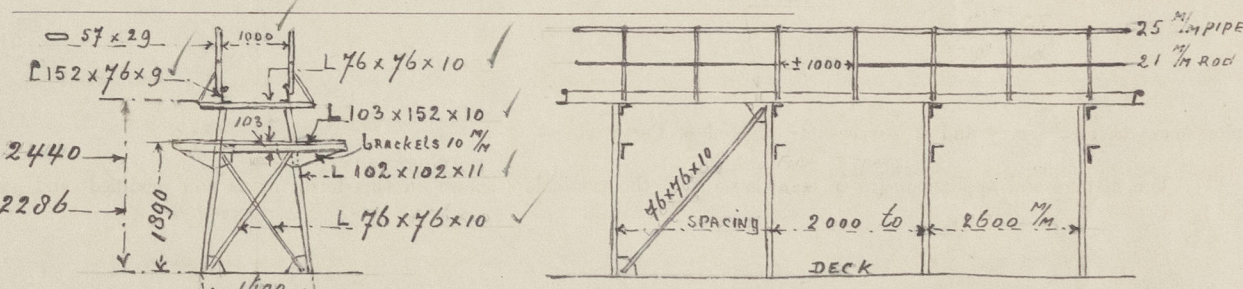
Stanchions on Treeboard, Fore castle and Poop deck spaced 1200 mm.

Particulars of Gangways, Lifelines, etc.:—

Gangway between

Poop & Bridge deck = 2440

Bridge & Fore castle deck = 2286



Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...	21,813 mm	1,064 mm	Open rail 24,967 mm 920 x 500 mm	2	0.90 m <sup>2</sup>	2.84 m <sup>2</sup>
Forward Well ...	19,130 mm	1,064 mm	Open rail 17,348 mm 920 x 500 mm	2	0.90 m <sup>2</sup>	2.22 m <sup>2</sup>

State position of each freeing port ... (After Well:—) height above deck edge. 193 mm  
(F. 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:— freeing ports fitted with 3 vertical rods 1/8" diam.

Additional area where sheer is less than standard.



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
		← FREE BOARD DECK →		→ FORECASTLE DECK →		← POOP DECK →		→ FREEBOARD DECK →	
Description of Hatchway	...	24 OIL TIGHT HATCHES TO CARGO TANKS	MAN HOLE HATCHES TO COFFER DAMS & OIL FUEL BUNKERS	LO FORWARD HOLD	LO STORE ROOM	1 SB & PS TO STORE ROOMS	1 SB TO STORE ROOMS	IN TURE CASTLE SPACE	
Dimensions of Hatchway	...	1190 M/DIAM.	625x470	2440x2440	470x370	420 M/DIAM.	720x720 M	480x480 M	
COAMINGS	Height above Deck	250	250	250	160	115	150	250	230
	Thickness	19	19	19	10	9	11	11	10
	Stiffeners		90x12 1/2	90x12 1/2	10	9	11	11	10
	Brackets, Stays								
HATCH BEAMS	Number								
	Spacing								
FORE AND AFTERS	Scantling and Sketch								
	Bearing Surface								
	Number								
	Spacing								
HATCH COVERS	Material	STEEL HINGED OIL TIGHT	OIL TIGHT STEEL	STEEL HINGED W.T. COVER	STEEL HINGED W.T. COVER	STEEL HINGED W.T. COVER	STEEL HINGED W.T. COVER	STEEL HINGED W.T. COVER	STEEL HINGED W.T. COVER
	Thickness	12 1/2 M	12 1/2 M	12 1/2 M	10 M	10 M	12 1/2 M	12 1/2 M	12 1/2 M
	How fitted	STIFFENED BY	12 1/2 M	12 1/2 M	10 M	10 M	12 1/2 M	12 1/2 M	12 1/2 M
	Bearing Surface	100x12 1/2 M	12 1/2 M	12 1/2 M	10 M	10 M	12 1/2 M	12 1/2 M	12 1/2 M
Spacing of Cleats		Toggles spaced	BOLTS spaced	Toggles spaced	5	4	6	8	
Number of Tarpaulins		4x4 M	22 M	396 M	Toggles	Toggles	Toggles	Toggles	

\*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?

ALL STEEL OIL OR W.T. HINGED COVERS

Particulars of any special features:—

Endorsement at first survey and at surveys for renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.



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