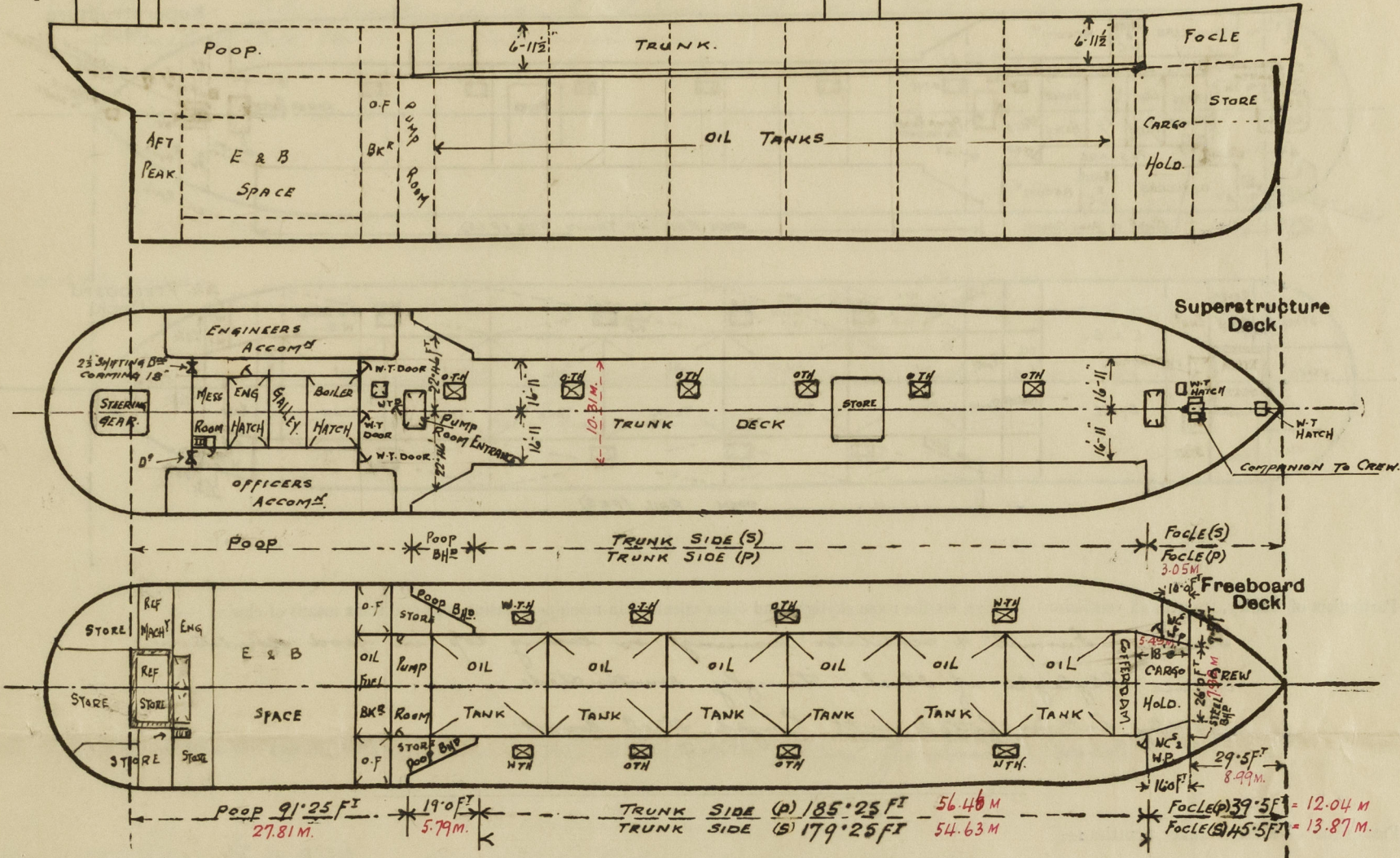


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

MAR 21 1938

Ship's Name "RAFAELA" Port of Survey Glasgow.
Official Number Surveyor's Signature R. Dunsmuir
Nationality and Port of Registry DUTCH WILLEMSTAD. Date of Survey while building

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

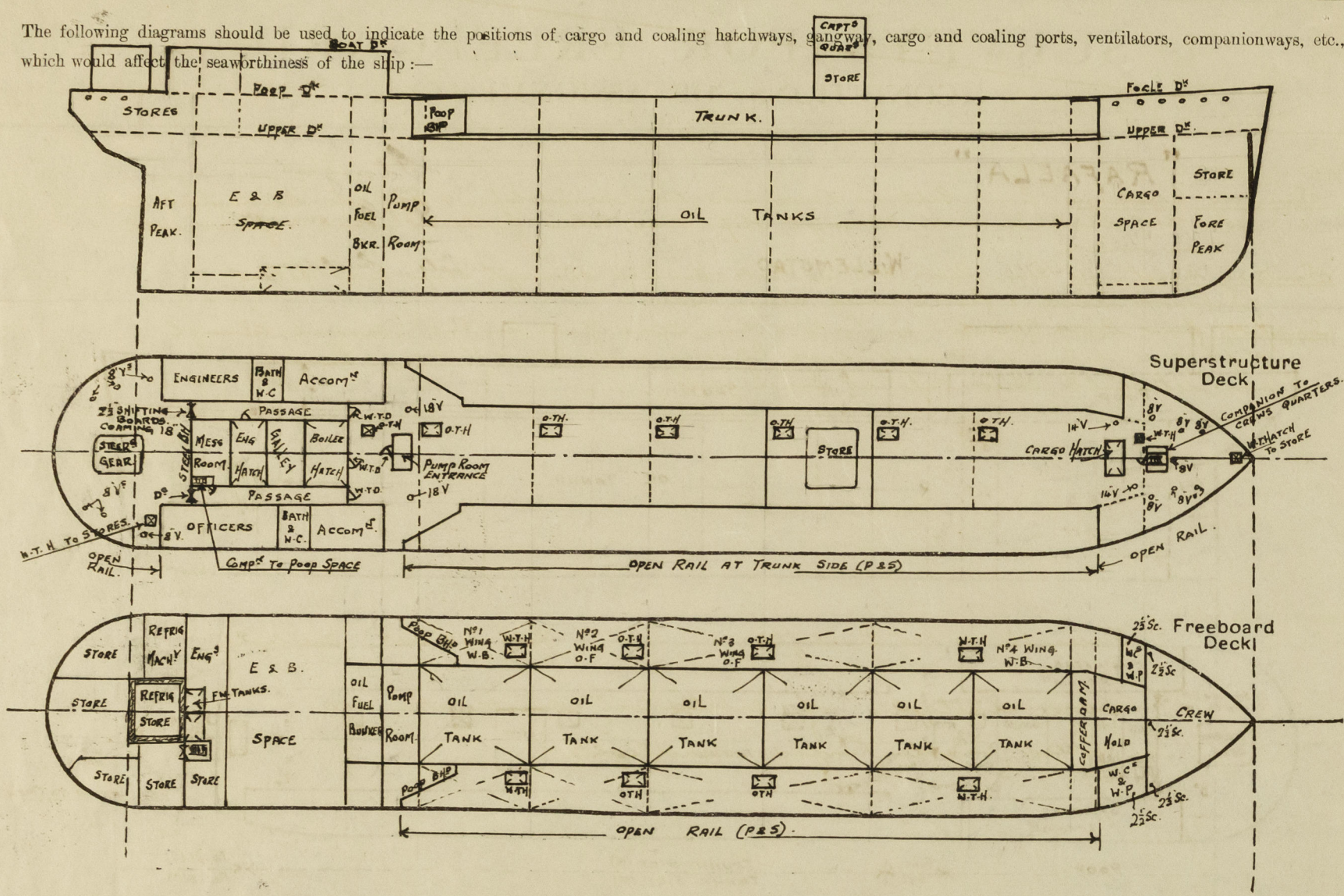


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	62	57	B.A. 6" x 3" x 30	30	BRACKETED Top & Bottom	NONE	✓	6'-11 1/2"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	30 PLATING		ANG 5" x 3" x 30 LONGITUD	30	✓	1 (P&S) 5'-6" x 2'-0"	12" ✓	6'-11 1/2"
Trunk, Aft FROM POOP. TO FORE ...	57 PLATING		8" x 3" x 43 BA	28	BKT TO B40 ³	✓	✓	6'-11 1/2"
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks	38 PLATING		ANG 6" x 3" x 40	26 & 30	✓	5'-0" x 2'-0"	18" ✓	7'-6" ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships ...								
Particulars of Closing Appliances (state if capable of being manipulated from both sides).								
Poop Bulkhead	Intact ✓							
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	Hinged Steel doors. Workable from both sides							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks	Hinged Steel W.T. Door. Workable from both sides. ✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships ...								

Rafaela.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangways, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship :-



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

Hully, Funnel & ventilator coamings in casing top in good condition.
Engine Skylight of steel, strongly constructed.
Hully Latches fitted with hinged steel covers.

Particulars of Flush Bunker Scuttles :-

None.

Particulars of Companionways :- Companion on Fore Deck to lower space. Steel lining. Hinged steel W.T. door 4'9" x 2'0" secured with clips & workable from both sides. Sill 12" above deck.
Pump Room Entrance on Fore Deck. Steel lining. Hinged steel W.T. door 5'0" x 2'3", secured with clips workable from both sides. Sill 13" above deck.
Companion to Fore Deck from Store Passage on Fore Deck. Steel lining. Hinged solid wood door 5'0" x 2'0" workable from both sides. Sill 18" above deck.

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

Fore Deck. 7 low vents 8' dia. Coamings 36" x 30" to lower quarters. Coamings fitted with muskroom W.T. covers.
2 low vents 14' dia. Coamings 36" x 36" to hold space. Fitted with gastight screw plugs.
Poop Deck. 2 low vents 18' dia. Coamings 48" x 40" to Pump Room. Fitted with gastight dampers.
6 low vents 8' dia. Coamings 30" x 30" to Stores. Fitted with wood plugs & canvas covers.

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

Fore Deck. 1 - 3 1/2" M1 to Fore Peak Tank. 21" above deck.
1 - 4" M1 (P.S.) to No. 4 wing ballast tank. 7' 0" above upper deck, secured to trunk side.
1 - 3" M1 (P.S.) to forward off-berth. 21" above trunk deck.
1 - 4" M1 (P.S.) to No. 1 wing ballast tank. 7' 0" above upper deck, secured to trunk side.
Poop Deck. 1 - 4" M1 (P.S.) to Oil Fuel Wing Tanks, & 1 - 4" M1 to Oil Fuel Centre Tank, & covered above boat deck.
1 - 4" M1 to after Peak. 18" above Poop Deck.
2 - 3" M1 to F.W. Tanks. 20" above Poop Deck.
All air pipes fitted with double gauge.

Particulars of Gangway Cargo and Coaling Ports :-

None.

Particulars of Scuppers and Sanitary Discharge Pipes :-

Sanitary Discharges from Captain's Accommodation amidships, & Officers Accommodation on Poop Deck, carried through ship's side below freeboard deck & fitted with storm valves.
Sanitary Discharges from lower W.C. in Fore carried through ship's side below freeboard deck & fitted with storm valves.
Scuppers from lower Quarters in Fore & from Store space in Poop carried through ship's side below freeboard deck, fitted with storm valves, & having non-detachable shut caps at inner end.

Particulars of Side Scuttles :-

Lowercastle 10' dia. Sidelights. Poop 12' dia. Sidelights.
All sidelights of substantial construction & fitted with hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel

16' Sidelights below freeboard deck.

Particulars of Guard Rails :-

Fore Deck. Open rail 3'6" high with 3 rods & stanchions spaced about 4'6" apart.
Upper Deck. Open rail between Poop & Fore. 3'6" high with 3 rods & stanchions spaced about 4'6" apart.
Trunk Deck. Open rail between Poop Deckhouse & Fore. 3'6" high with 3 rods & stanchions spaced about 4'6" apart.
Poop Deck. From side houses round stern. Open rail 3'6" high with 3 rods & stanchions spaced about 4'6" apart.

Particulars of Gangways, Lifelines, etc. :-

None.

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 ...						
Forward Well ...						

State position of each freeing port ... (After Well :-

(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 :-

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
			FREEBOARD DECK		SUPERSTRUCTURE DECKS					
Description of Hatchway			O.T. HATCHES TO WING TANKS Nos 2 & 3.	W.T. HATCHES TO WING TANKS Nos 1 & 4.	CARGO HATCH ON TRUNK DECK	HATCH TO HOLD SPACE ON TRUNK DECK	HATCH TO COFFERDAM ON TRUNK DECK	HATCH TO STORE ON FOCLE DECK	HATCH TO OIL FUEL BK. TRUNK DECK	HATCH AFT TO STORE POOP DECK
Dimensions of Hatchway			6'-0" x 2'-6"	6'-0" x 2'-6"	6'-0" x 9'-8"	3'-0" x 3'-0"	2'-0" x 1'-6"	2'-0" x 2'-0"	4'-0" x 3'-0"	4'-0" x 4'-0"
COAMINGS	Height above Deck		48"	48"						
	Thickness	Sides	40	40	B.A.	B.A.	B.A.	B.A.	B.A.	B.A.
		Ends	40	40	9 x 3 1/2 x 50	9 x 3 1/2 x 50	9 x 3 1/2 x 50	9 x 3 1/2 x 50	9 x 3 1/2 x 50	9 x 3 1/2 x 50
	Stiffeners		Stayed from	Stayed from						
	Brackets, Stays		TRUNK SIDE	TRUNK SIDE						
HATCH BEAMS	Number				Fitted with					
	Spacing				Hinged Steel					
	Scantling and Sketch				N.T. Cover					
					50					
FORE AND AFTERS	Bearing Surface				Stiffened with two					
					4 x 3 x 50					
					Angles					
					Fore & Aft					
HATCH COVERS	Number				Cover secured					
	Spacing				with toggles					
	Unsupported Lengths				15 & 18 apart.					
	Scantling and Sketch				Escape Hatch					
	Bearing Surface				on top of steel					
					cover					
					3'-0" x 3'-0"					
					Coaming					
					9 x 3 1/2 x 50 B.A.					
			Cover Hinged	Riveted Steel	Cover Hinged	Cover Hinged	Cover Hinged	Cover Hinged	Cover Hinged	Cover Hinged
			Steel O.T.	Cover	Steel W.T.	Steel W.T.	Steel W.T.	Steel W.T.	Steel O.T.	Steel W.T.
			50	50	40	50	40	40	50	40
			Secured with	Secured with	Secured with	Secured with	Secured with	Secured with	Secured with	Secured with
			toggles	18 x 13	toggles	toggles	toggles	toggles	toggles	toggles
			15" apart.	manhole	15" apart.	12" apart.	18" apart.	15" apart.	15" apart.	18" apart.
				with sydded						
				cover.						
Spacing of Cleats										
Number of Tarpaulins										
<p>*Are wood fore and afters steel shod at all bearing surfaces? ✓</p> <p>Are battens and wedges efficient and in good condition? ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? ✓</p> <p>Are lashings provided in accordance with rule requirements? ✓</p>										

Particulars of any special features :—

This vessel is an Oil Tanker, with Poop & Foole, & having a trunk extending between Poop & Foole.
Trunk 33'-10" in breadth & 6'-11 1/2" in height.

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.

