

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

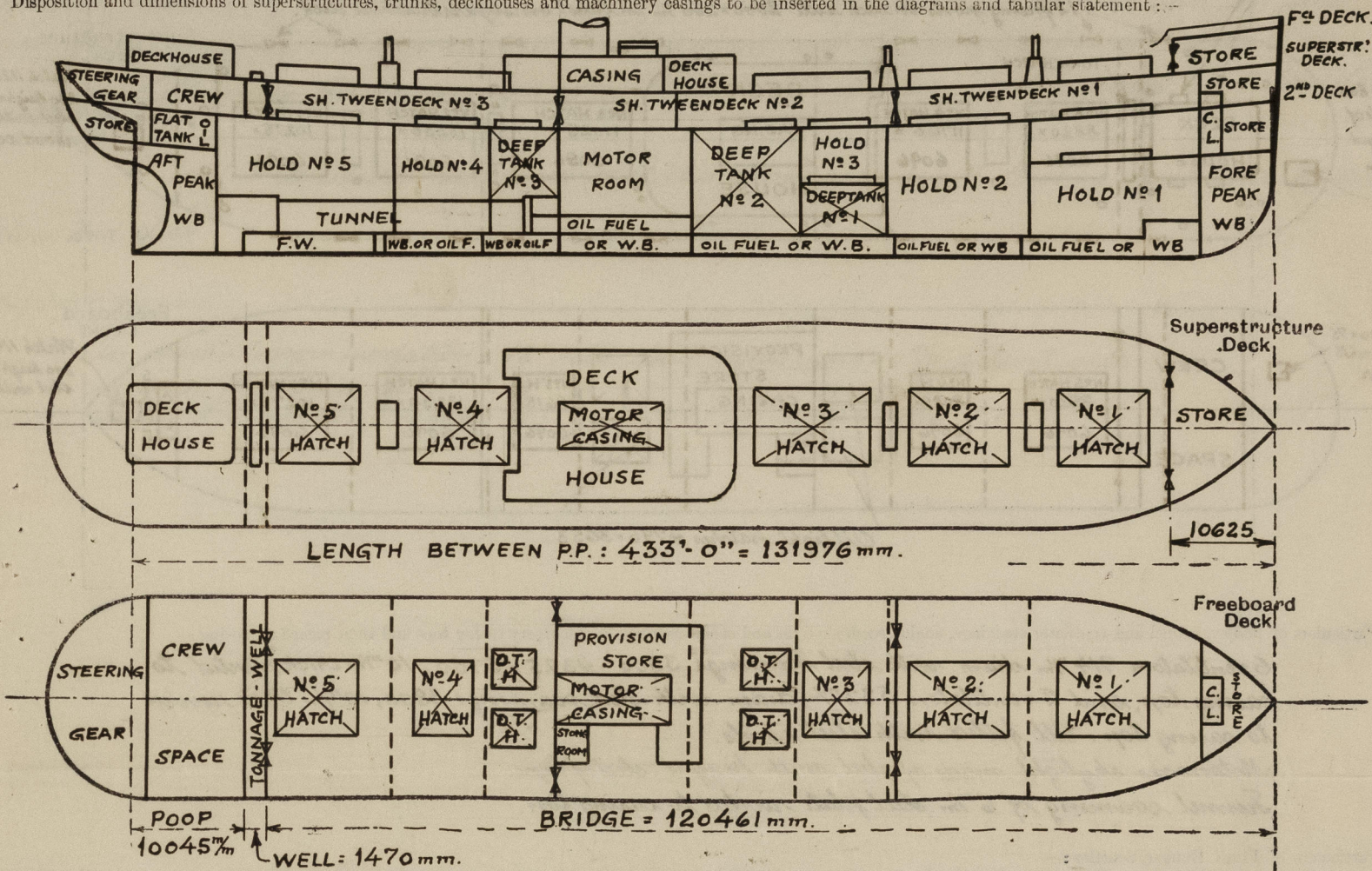
(CONDITIONS OF ASSIGNMENT.)

Index No. _____
(For London Office only).

SEP 28 1938

Ship's Name **"HULDA MÆRSK"**Port of Survey **Copenhagen**Official Number **✓**Surveyor's Signature **V. Andersen**Nationality and Port of Registry **Danish**Date of Survey **23rd September 1938**

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 mm	Plating mm	Stiffeners	Spacing mm	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	6.5	6.5	3½" x 3" x 36"	765 - 762 & 770	none	none	✓	✓
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	6.5	6.5	3½" x 3" x 36"	762 & 725	Top of beam none at foot	2668 x 940	none	✓
Tween Deck Bridge, Forward Bulkhead's...	6.5	6.5	3" x 2½" x 32"	ab. 700	Top of beam none at foot	2668 x 1240	none	✓
Upper Forecastle Bulkhead ...	7.5	7.5	4" x 3" x 32"	ab. 600 - 700 & 750	none	2134 x 940	none	✓
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 ...	7.5	6.5	3" x 2½" x 28"	735	none	none	✓	2743
Deckhouses on Flush Deck Ships ...								

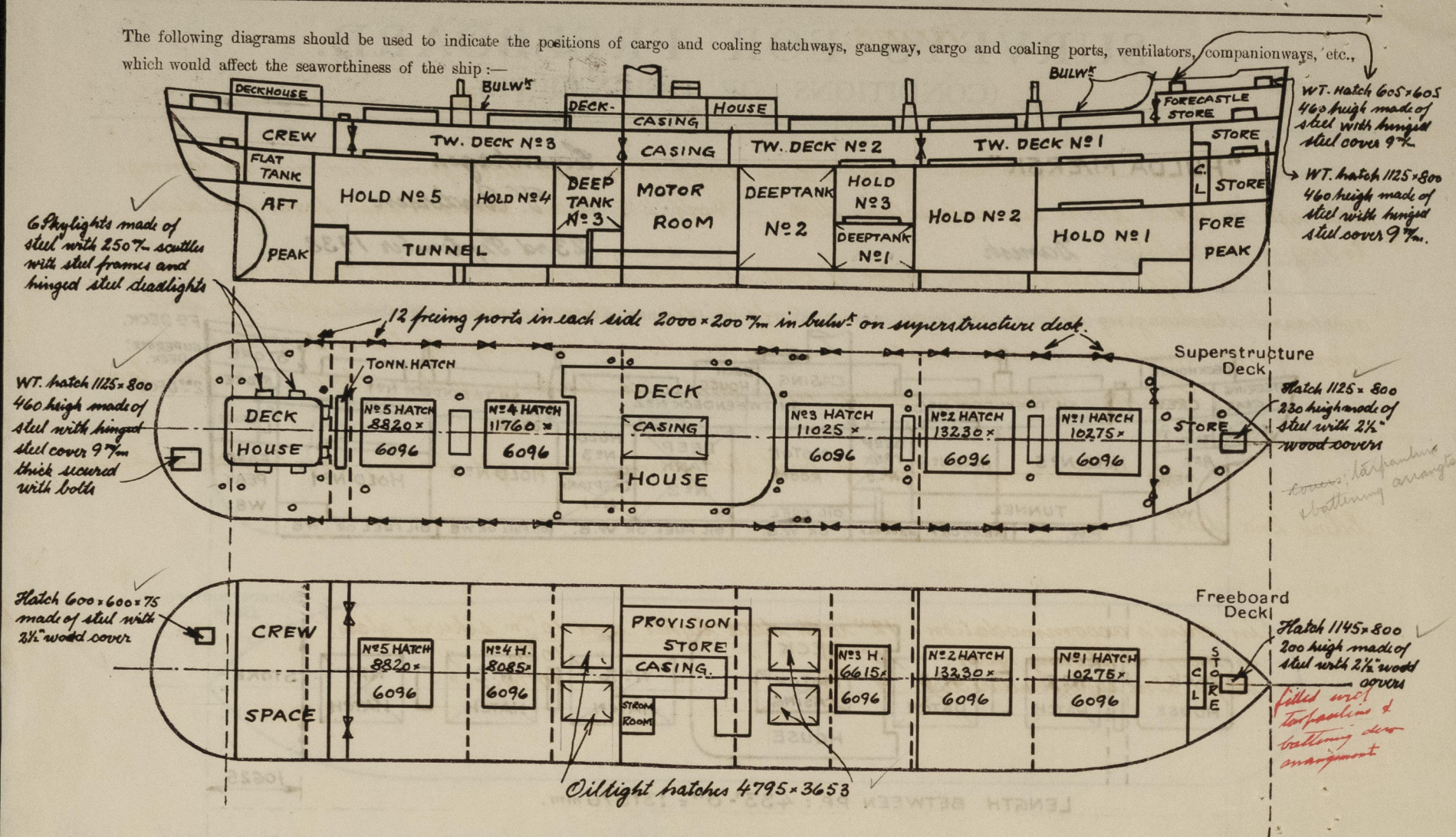
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ...	
TWEEN DECK Bridge, Forward Bulkhead's...	
UPPER 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 ...	
Deckhouses on Flush Deck Ships ...	

65 mm wood boards in riveted channels fitted full height. ✓

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:—

6 ventilators 914 mm diam. with steel coamings 3300 - 4325 - 5950, 10 mm thick riveted to casing top, and 2 ventilators 532 mm diam with steel coamings 3800, 10 mm thick riveted to casing top. All fitted with steel cowls.
Motor room skylight made of steel with hinged steel flaps.
Funnel coaming of 6 mm steel plate riveted to casing top.

Particulars of Flush Bunker Scuttles:—

none.

Particulars of Companionways:— Access to crew space aft through deck house on superstructure deck 2 plank doors of teak capable of being manipulated from both sides, height of sill: 460 mm above wood deck.

Access to provision store through midship, deckhouse on superstructure deck 2 plank doors of teak capable of being manipulated from both sides, height of sill: 460 mm above wood deck.

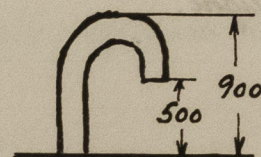
Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

Forecastle deck	2 ventilators	915 x 532 mm diam	x 10 mm thick.
	2	915 x 303	x 8.5
Superstructure deck	2	915 x 583	x 10
	2	2900 x 456	x 10
	19	3200 x 620	x 10
	2	915 x 228	x 8.5
	2	2900 x 532	x 10
	2	1850 x 532	x 10
	4	915 x 303	x 8.5
	2	915 x 228	x 8.5
	2	915 x 381	x 9.5

All coamings made of steel and securely riveted to steel deck and properly stiffened and supported where necessary. All ventilators fitted with steel cowls, steel covers and canvas covers.

All openings over 915 mm specially supported & secured.

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



Galv. steel pipes on superstructure deck with swan neck and wire gauge and approved closing appliances.

Particulars of Gangway Cargo and Coaling Ports:—

none.

Particulars of Scuppers and Sanitary Discharge Pipes:—

2 off 5" diam scuppers of cast steel from 2nd deck in foreage well aft operated from superstructure deck. - 4 off 2 1/2" diam scupper pipe from 2nd deck to engine room bilges.

1 off 4" diam storm valve of cast steel on soil pipes from 2nd deck fore leading overboard discharging below 2nd deck and 8 off 4" diam storm valves of cast steel on soil pipes from amidship accommodation leading overboard discharging below 2nd deck.

Sanitary discharge pipes of mild steel. All discharge valves about 3'0" above load water line.

1 off 4" discharge valves of cast steel from accom. aft leading overboard, discharging below 2nd deck.

Particulars of Side Scuttles:—

in crew's accommodation: 12" with dead lights and 10 mm security glass.
in poop at steering gear: 10" " " " 10 mm " "
in fore above superstructure deck: 9" " " " 10 mm " "

Vertical distance of Sill of lowest Side Scuttle above top of keel ab. 11500 mm

Particulars of Guard Rails:— Steel bulwark on superstructure deck 6.5 mm steel plates 1220 mm high. 180 x 76 x 19 rail bar with stays spaced 1470 mm apart of 7 x 3 x 365 bars except the stays aft and on forecastle deck which are of 9 mm steel plate with 75 mm flange.

Particulars of Gangways, Lifelines, etc.:—

Lifelines fitted according to rules

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	1470 mm	Full height of Fore deck 2743 mm	—	none	—	—
Forward Well	none	—	—	—	—	—

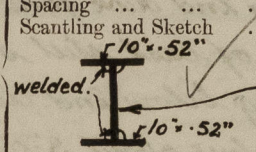
State position of each freeing port ... After Well:— none
(F. and A. position and height above deck edge) Forward Well:— none

SEE SKETCH FOR FREEING PORTS IN SUPERSTRUCTURE DECK BULWARKS.

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.												
SUPERSTRUCTURE Upper deck						FREEBOARD 2nd deck						
Description of Hatchway	Nº1	Nº2	Nº3	Nº4	Nº5	Nº1	Nº2	Nº3	Nº4	Nº5		
Dimensions of Hatchway	10275 x 6096	13230 x 6096	11025 x 6096	11760 x 6096	8820 x 6096	10275 x 6096	13230 x 6096	6615 x 6096	8085 x 6096	8820 x 6096		
COAMINGS	Height above Deck		1070					9"				
	Thickness			12.5"				.46"				
	Sides											
	Ends			11.5"				.46"				
Stiffeners	Lugs 3 1/2" x 3 1/2" x .40" spaced ab. 1492 mm											
Brackets, Stays	Brackets 400 x 820 x 10 mm spaced ab 2984 mm					none						
HATCH BEAMS	Number	6	8	7	7	5	6	8	4	5	5	
	Spacing	1493.5	1490	1400.5	1492.5	1500	1493.5	1490	1359	1377.5	1500	
	Scantling and Sketch	460 x 9	460 x 9	320 x 8.5	330 x 9	330 x 9	480 x 10	480 x 10	420 x 10	480 x 10	480 x 10	
	Sketch						in the middle					
Bearing Surface	194 mm at ends					169 mm at ends						
	125 mm					125 mm						
FORE AND AFTERS	Number											
	Spacing											
	Unsupported Lengths											
	Scantling* and Sketch	none					none					
Bearing Surface												
HATCH COVERS	Material	Wood					Wood					
	Thickness	2 1/2"					2 1/2"					
	How fitted	Longitudinally					Longitudinally					
	Bearing Surface	120 mm					120 mm					
Spacing of Cleats	610 mm					610 mm						
Number of Tarpaulins	three					one						
*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?												
Yes.												

Particulars of any special features:—

Tonnage hatch on superstructure deck 6120 x 1290 mm. Coaming 59 x 3 1/2" x .42".
2 1/2" wood covers fitted with tarpaulin.

4 oiltight hatchways to dup tanks on ^{FREEBOARD} 2nd deck 4795 x 3653 x 305 high fitted with
12.5 mm steel covers secured with bolts.

Stiffeners {transverse 10 x 3 1/2" x .46" spaced 799 mm
longitudinal 6 x 3" x .36" — 1160 & 1333 mm.

Moulded displacement at 85% moulded depth = 12528 Ts at 35 cub. f.

Tons per inch: 50.05

Plans of Midship section - general arrangement & displacement scale are forwarded
herewith.

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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Foundation