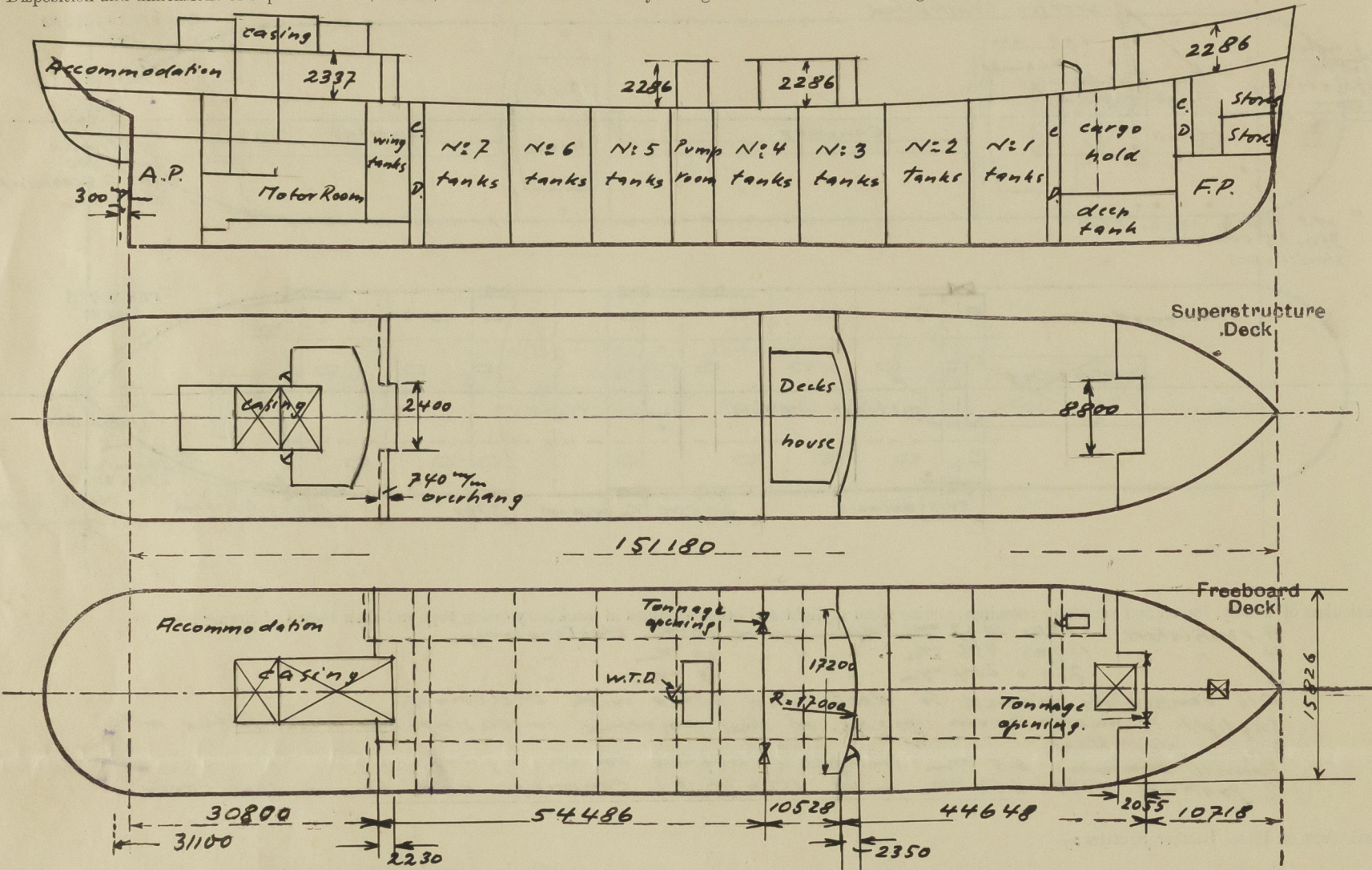


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

Ship's Name yard N: 88 "KATRINE MÆRSK" Port of Survey Odense
Official Number ✓ Surveyor's Signature 24. June 1944
Nationality and Port of Registry Danish Date of Survey August 44.

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

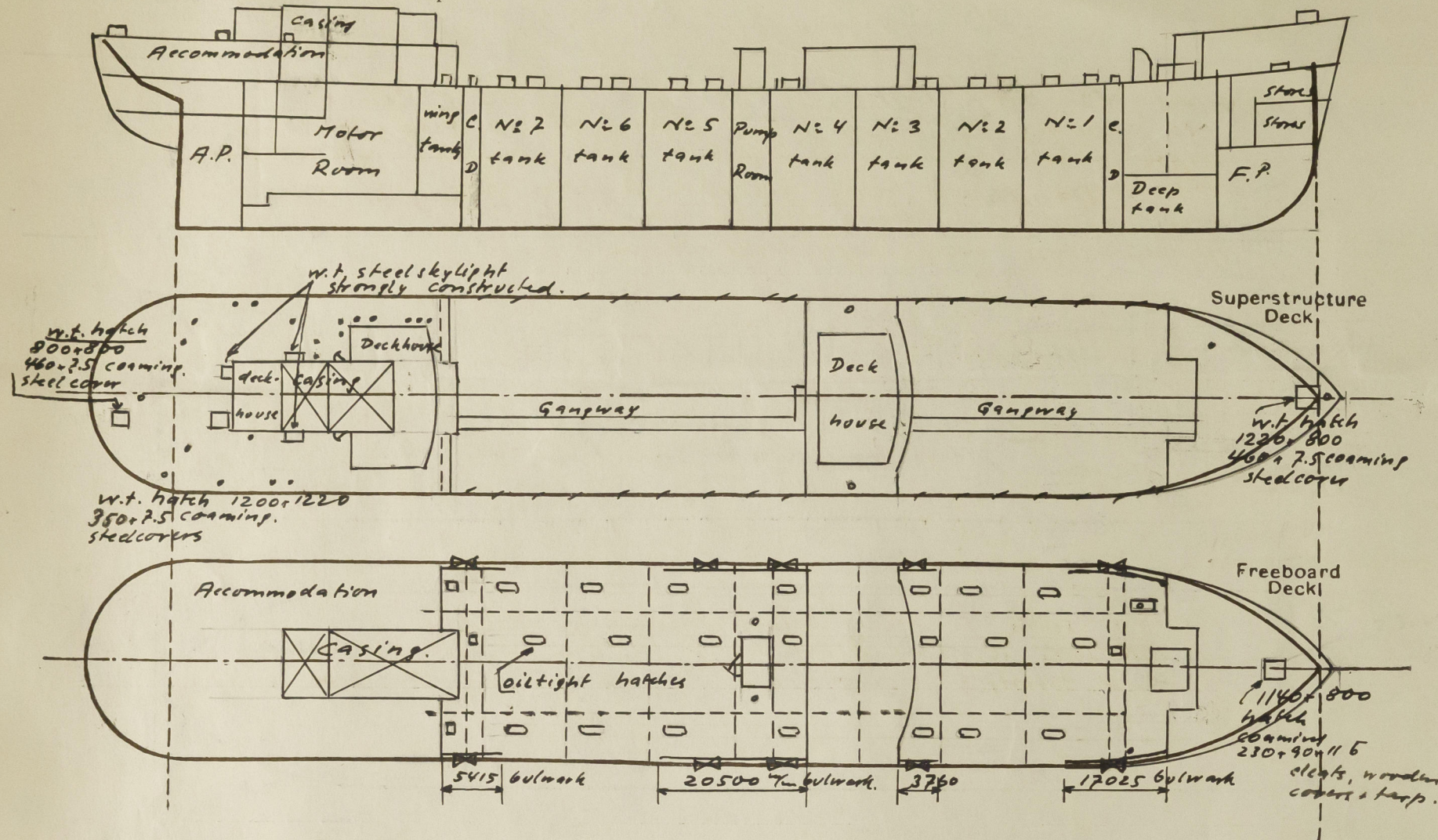


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming in/in	Plating in/in	Stiffeners in/in	Spacing in/in	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	13.5	13.5	280+90+125	800-855	Brackets and Lugs.	none	✓	✓
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead	10	10	180+75+95	815-855	Lugs.	1245+940	465	✓
Bridge, Forward Bulkhead	13.5	13.5	280+90+125	815-855	Brackets - Lugs.	1465+610	465	✓
Forecastle Bulkhead	10	10	180+75+95	760-806	Lugs.	1245+940	465	✓
Trunk, Aft	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	13.5	13.5	280+90+125	855	Brackets.	✓	✓	✓
Exposed Machinery Casings on Super- structure Decks	9.5	8.5	65+65+75L	740	Brackets at top, carried down	1450+675	460	3046
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances	✓	✓	✓	✓	✓	✓	✓	✓
Pumproom casing	8.5	8.5	90+75+9L	675-755	none	1320+840	610	2286
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	Two tonnage openings with wooden planks 65mm thick in riveted channels ✓ full height
Bridge, Forward Bulkhead	one watertight steel hinged door. ✓
Forecastle Bulkhead	Two tonnage openings with 65mm wood planks in riveted channels ✓ full height
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Super- structure Decks	one hinged steel door each side, capable of being manipulated from both sides. ✓
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances	✓
Pumproom casing	one hinged steel door capable of being manipulated from both sides. ✓
Deckhouses on Flush Deck Ships ...	

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:—

- 4 ventilators 1450 x 1062 mm diam. with 10 mm steel coaming.
- 4 " 1100 x 456 mm " 10 mm
- 2 " 760 x 204 mm " 8 mm
- All ventilators riveted to deck and fitted with steel covers.
- Skylight in motor room made of steel, riveted to casing top and fitted with hinged steel flaps.
- Funnel coaming 6.5 mm steel plate riveted to casing top.
- 2 gratings 1450 x 650 mm with 150 x 75 x 8 L coaming with hinged steel cover.

Particulars of Flush Bunker Scuttles:—

none

- Particulars of Companionways:— Access to accommodation in poop space through deckhouse on poop deck. Doors 1450 x 600 mm, height of sill 460 mm, 2" solid door capable of being manipulated from both sides. — Pump room casings, strongly constructed of steel and rivet to deck, fitted with hinged w.t. steel doors (1320 x 840 and 990 x 650) and turnbuckles capable of being manipulated from both sides. Height of sills 170 mm.

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

- Forecastle deck: 2 off 915 x 300 mm diam. 8.5 mm coaming.
- Freeboard deck: 2 " 2110 x 300 " 8.5 " " on top of companionway
- 1 " 760 x 300 " 8.5 " " demick posts.
- 2 " 7320 x 600 " 12.5 " "
- Bridge deck: 2 " 760 x 300 " 8.5 " "
- Poop deck: 6 " 760 x 300 " 8.5 " "
- 8 " 760 x 255 " 8.5 " "
- 3 " 760 x 150 " 7.5 " "
- 6 " 760 x 205 " 8.0 " "
- 1 " 760 x 230 " 8.5 " "
- 1 " 760 x 380 " 9.5 " "

- All ventilator coamings of substantial construction and fitted with steel covers, wooden plugs and canvas covers.

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

All airpipes fitted with palm steel force necks, wire pawls and approved closing appliances.

- H on freeboard deck 915 mm
- H on superstructure 460 mm



Particulars of Gangway Cargo and Coaling Ports:—

none.

Particulars of Scuppers and Sanitary Discharge Pipes:—

- No sanitary discharge pipes from spaces below freeboard deck.
- Pipes made of steel and fitted with cast steel storm valves.
- Discharge pipes from accommodation aft led overboard about 1300 mm above L.W.L. and fitted with a sluice valve of cast iron and cast steel storm valves.

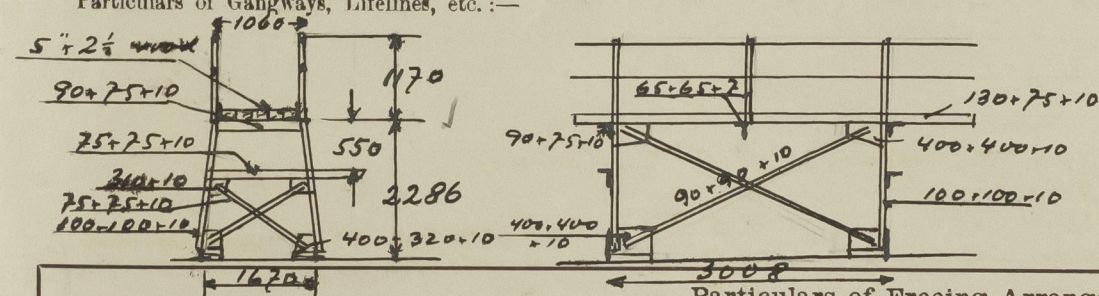
Particulars of Side Scuttles:—

- No side scuttles below freeboard deck.
- All side scuttles fitted with 10 mm securit plates and strongly constructed inside hinged steel deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 12600 mm

- Particulars of Guard Rails:— Freeboard deck: Open rails 1220 high with stanchions spaced about 1500 mm and 4 rods equally spaced. Port steelbulwark as on sketch 1180 mm high, 6.5 mm plating with 180 x 76 x 13 railbars, stays L 180 x 75 x 9 with 75 x 75 x 9 L spaced 2 1/2 frame spaces.
- Open rails on front of poop deck & bridge and forecastle deck 1070 mm high with 3 rods equally spaced.
- Rest of bridge & poop deck: Steelbulwark 1070 mm high, 6.5 mm plating with 180 x 76 x 13 railbar and stays spaced about 2 1/2 frame spaces.

Particulars of Gangways, Lifelines, etc.:—



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 ...	25915 mm	1220 mm	2 off 2050 x 200 1 off 2150 x 200	3	1.25 m ²	more than 50% of the rails provided.
Forward Well ...	20785 mm	1220 mm	1 off 1600 x 200 1 off 2200 x 200	2	0.76 m ²	—

State position of each freeing port ... After Well:— at frames 46/49, 58/101, 111/114 } height above deck
(F. and A. position and height above deck edge) Forward Well:— " 121/133, 173/174. } 320 mm

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— none.

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway	...	...	...	Oil-tight hatchways	...	...	...	...	...
Dimensions of Hatchway	...	...	...	center and sides on foreboard deck 1540 x 720 mm	Bunkers 750 x 640	coff. d. fore 740 x 715	coff. d. aft 740 x 715	...	with hatchway to dry cargo hold front 3425 x 3050 mm
COAMINGS	Height above Deck	...	...	815 mm	300 mm	300 mm	300 mm	...	830 mm
	Thickness	Sides	...	11 mm	10 mm	10 mm	10 mm	...	11 mm
	Stiffeners	...	...	one stiffener = 130 x 11	...	...	...	...	...
	Brackets, Stays	...	...	fitted vertical	...	...	...	...	5 180 x 75 x 106 horizontal, no brackets
HATCH BEAMS	Number	...	...	none	...	...	...	...	none
	Spacing	...	...	...	...	...	...	...	...
FORE AND AFTERS	Scantling and Sketch	...	...	...	...	...	...	...	...
	Number	...	...	...	...	...	...	...	...
	Spacing	...	...	...	...	...	...	...	...
	Unsupported Lengths	...	...	...	...	...	...	...	...
HATCH COVERS	Scantling* and Sketch	...	...	...	...	...	...	...	...
	Number	...	...	...	...	...	...	...	...
HATCH COVERS	Material	...	...	steel plate 16 mm thick	12 mm steel plate	...	...	...	12.5 mm steel plate
	Thickness	...	...	no stiffeners	...	...	...	...	with 130 x 75 x 10 L
HATCH COVERS	How fitted	...	...	Hinged and packed oil-tight	bolted and packed	...	...	...	stiffened, spaced 610 mm
	Bearing Surface	...	...	cover	oil-tight	...	...	...	bolted and packed oil-tight
Spacing of Cleats	...	...	...	screw down bolts	...	...	...	...	...
Number of Tarpaulins	...	...	...	spaced 380 mm	...	...	...	...	...
<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:—

on approximate load line about 28 1/2 "

Extreme displacement 21020 Tons of 85 cub. ft.

Tons pr. inch = 67.27 Tons of 85 cub. ft.

Moulded displacement at 85% of depth moulded 22684 Tons S. M.

Midship section, general arrangement and displacement curves attached.

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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