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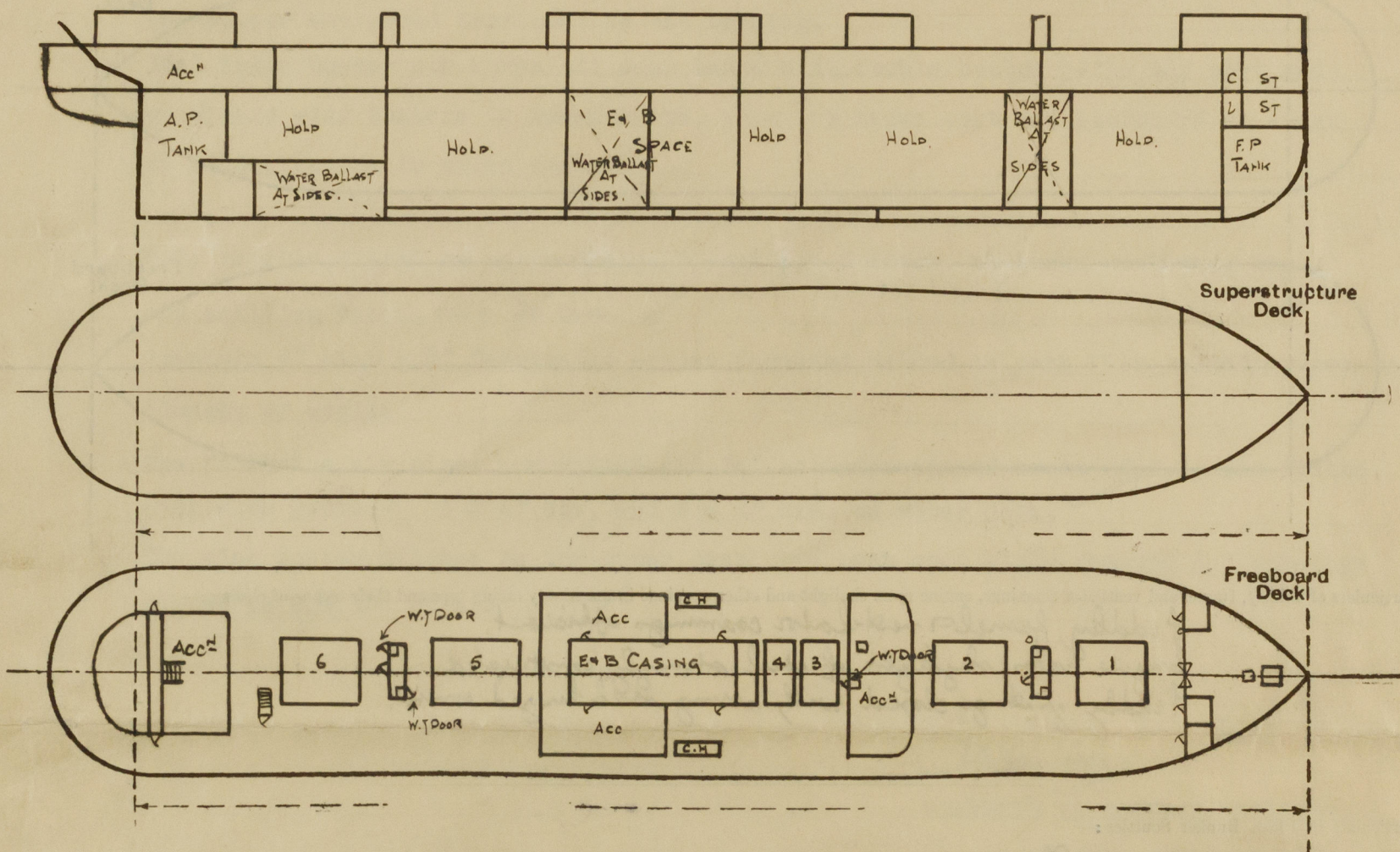
SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

GRK. REPORT N° 22280.

Ship's Name EMPIRE MIRANDA MERCHANTPort of Survey GREENOCKOfficial Number 169501.Surveyor's Signature Kenneth Inglis.Nationality and Port of Registry BRITISH, GREENOCKDate of Survey WHILE BUILDING, 1943.

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 ...	✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Superstructure Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
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 ...	✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	✓

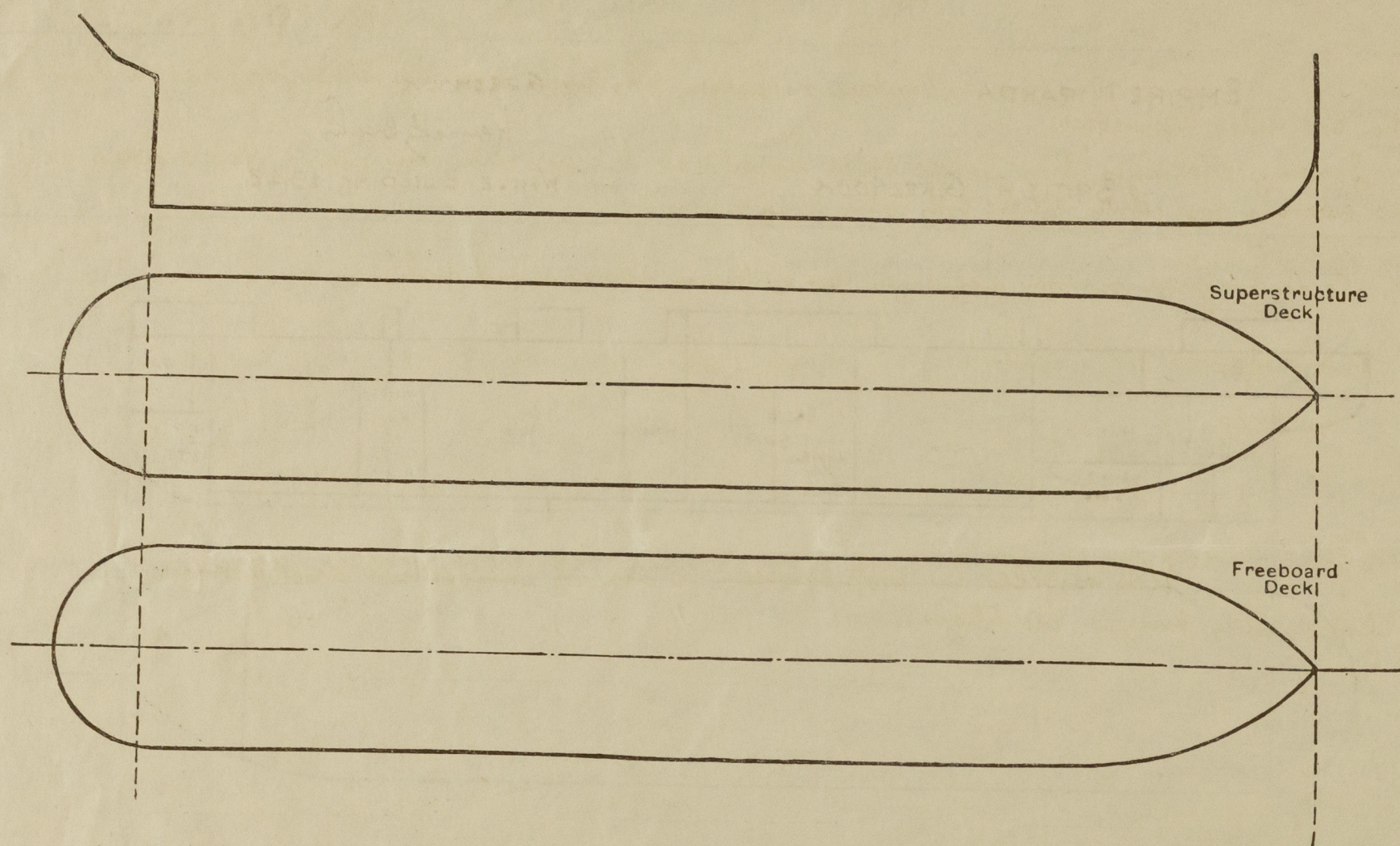
STEEL PLATE FITTED WITH HOOK BOLTS NOT PASSING THRO' BHP BOLTS 15" APART
ONE STEEL DOOR WORKABLE FROM BOTH SIDES & TWO HARDWOOD DOORS.

STEEL DOORS WORKABLE FROM BOTH SIDES.

STEEL DOORS WORKABLE 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 fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Fiddley, funnel & ventilator coamings efficient.
Engine room skylight of steel strongly constructed.
Fiddley gratings closed with strong steel hinged covers.

Particulars of Flush Bunker Scuttles:—

None.

Particulars of Companionways:—

Entrance Accommodation in poop from deckhouse fitted with hardwood doors 5' x 2' with coaming 22" above steel deck. Hatch to fore and aft inside saloon house having hardwood doors 4' x 18" coaming. Companionway to fore and aft of No 6 hatch having hardwood doors with 21" coaming. Entrance to hold for from inside main house having steel doors with 21" coaming. All from hatches inside main house steel doors opening outside 4' 6" x 21" made watertight by rubber & toggle workable from both sides. Ammunition scupper at aft end of saloon house fitted with largest W.T. door 9' x 18" coaming. All ventilators built in accordance with the British's rules & provided with wood plugs & canvas covers.

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

Deck	No.	Dia	Coaming	Remarks
Upper	2	18"	hold	36 x 40
	1	10"	hold	36 x 42
Upper	6	20"	hold	36 x 40
	4	26"	On top of Mast Houses	30 x 40
	2	8"	stem gear	36 x 30
	9	8"	deck aft	36 x 30
	4	9"	gunnera	36 x 32
	4	10"	passage	36 x 32
	2 S.N.	6"	gunner's wood	36 high
	2 Coal	12"	gunner's wood	36 x 34
	2	6"	gunner's wood	36 x 30
	2	6"	gunner's wood	36 x 30
	2	10"	gunner's wood	36 x 32
	2	15"	gunner's wood	36 x 38
	1	6"	Cabin stove	36 x 30

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

Deck	No.	Dia	Height	Remarks
Upper	1-3	1-3"	18"	to fore peak tanks
	1-4	1-4"	18"	double bottom
Upper	6	3"	30"	"
	6	2 1/2"	30"	"
	8	4"	30"	"
	6	4"	30"	deep tanks
	2	2 1/2"	30"	offordary
	2	3"	30"	off peak tanks
	4	2"	30"	deep tanks

All air pipes provided with wood plugs.

"EMPIRE MIRANDA"

Particulars of Gangway Cargo and Coaling Ports:—

NONE.

Particulars of Scuppers and Sanitary Discharge Pipes:—

Sanitary discharges from upper deck led overboard & fitted with strong valves 6' 0" below upper deck.

Sanitary discharges from spaces below upper deck led overboard above second deck & fitted with two automatic non return valves both valves being accessible.

No sanitary or scupper discharges led overboard below second deck.

Sheerstrakes cut for scuppers from upper deck - no gunwale bar.

Particulars of Side Scuttles:—

Side scuttles in poop space 10" dia of substantial construction & fitted with hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 37' 0"

Particulars of Guard Rails:—

Upper deck 3 rails 3' 6" high stanchions 5' 0" apart except in way of deckhouse amidships where steel bulwarks substantially constructed is fitted. 6 freeing ports 5' 6" x 9" are cut in each side of the vessel.

Lower deck 2 rails 9 stanchions 3' 3" high stanchions 5' 0" apart.

Particulars of Gangways, Lifelines, etc.:—

Lifelines fitted all fore & aft on both sides of vessel.

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.



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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway		No. 1.	Nos. 2, 5 & 6	No. 3	No. 4				
Dimensions of Hatchway		31'-6" x 20'	31' x 20'	12'-11" x 20'	10'-4" x 20'				
COAMINGS	Height above Deck	30	30	30	30	<p><u>SMALL HATCHES</u></p> <p>UNDER FOLE TO STORE 4' x 3'</p> <p>TO CHAIN LOCKER 2' x 2'</p> <p>9" B.A. COAMING. 2 1/2" WOOD COVERS</p> <p>CLEATS & ONE TARPULIN.</p>			
	Thickness	.44	.44	.44	.44				
	Sides								
	Ends								
HATCH BEAMS	Stiffeners	7 x 3 x 3/8	BA AT	ENDS		<p><u>COAL HATCH</u> 15'-6" x 3'-0"</p> <p>30" x 40" COAMING</p> <p>7" B.A. STIFFS ON SIDES WITH ONE STAY.</p> <p>2 1/2" WOOD COVERS CLEATS</p> <p>2 TARPULINS</p> <p><u>COAL SHOOT</u> ON CASING TOP 5'-2" x 10'-0"</p> <p>COAMING 15" x 44"</p> <p>2 1/2" WOOD COVERS CLEATS 24" APART</p> <p>TWO TARPULINS.</p> <p><u>W.T. HATCH TO MAGAZINE</u> 2' x 2'</p> <p>9" x 40" COAMING WITH W.T. COVERS</p> <p>SECURED BY TOGGLES</p> <p>TWO ACCESS HATCHES 2' x 2' FITTED INSIDE</p> <p>FORWARD MAST HOUSE. 9" B.A. COAMING.</p> <p>2 1/2" WOOD COVERS. ONE TARPULIN</p>			
	Brackets, Stays	2 1/2" DIA							
	Number	5	5	2	5				
	Spacing and Sketch	5'-3"	5'-2"	4'-4"	6'-5" x 3'-11"				
FORE AND AFTERS	Bearing Surface	3	3	3	3	<p>COAMINGS THUS</p> <p>12 x 3 1/2 x 50 BA</p> <p>10 x 3 1/2 x 44 B.A.</p>			
	Number								
	Spacing								
	Unsupported Lengths								
HATCH COVERS	Material	W.P.	W.P.	W.P.	W.P.	<p>Two ACCESS HATCHES 2' x 2' FITTED INSIDE</p> <p>FORWARD MAST HOUSE. 9" B.A. COAMING.</p> <p>2 1/2" WOOD COVERS. ONE TARPULIN</p>			
	Thickness	2 1/2	2 1/2	2 1/2	3				
	How fitted	F & A	F & A	F & A	F & A				
	Bearing Surface	3	3	3	3				
Spacing of Cleats		24	24	24	24				
Number of Tarpaulins		2	2	2	2				

*Are wood fore and afters steel shod at all bearing surfaces? ☒ YES.

Are battens and wedges efficient and in good condition? ☒ YES.

Are tarpaulins in good condition and in accordance with rule requirements? ☒ YES.

Are lashings provided in accordance with rule requirements? ☒ YES.

Particulars of any special features:—

The scantlings are suitable for a draft 18" in excess of that corresponding to the freeboard which could be assigned to a vessel with a tonnage opening.

The openings in the tween deck bulkheads are closed by rivetted plates or by hinged watertight doors.

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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