

Lloyd's Register of Shipping.

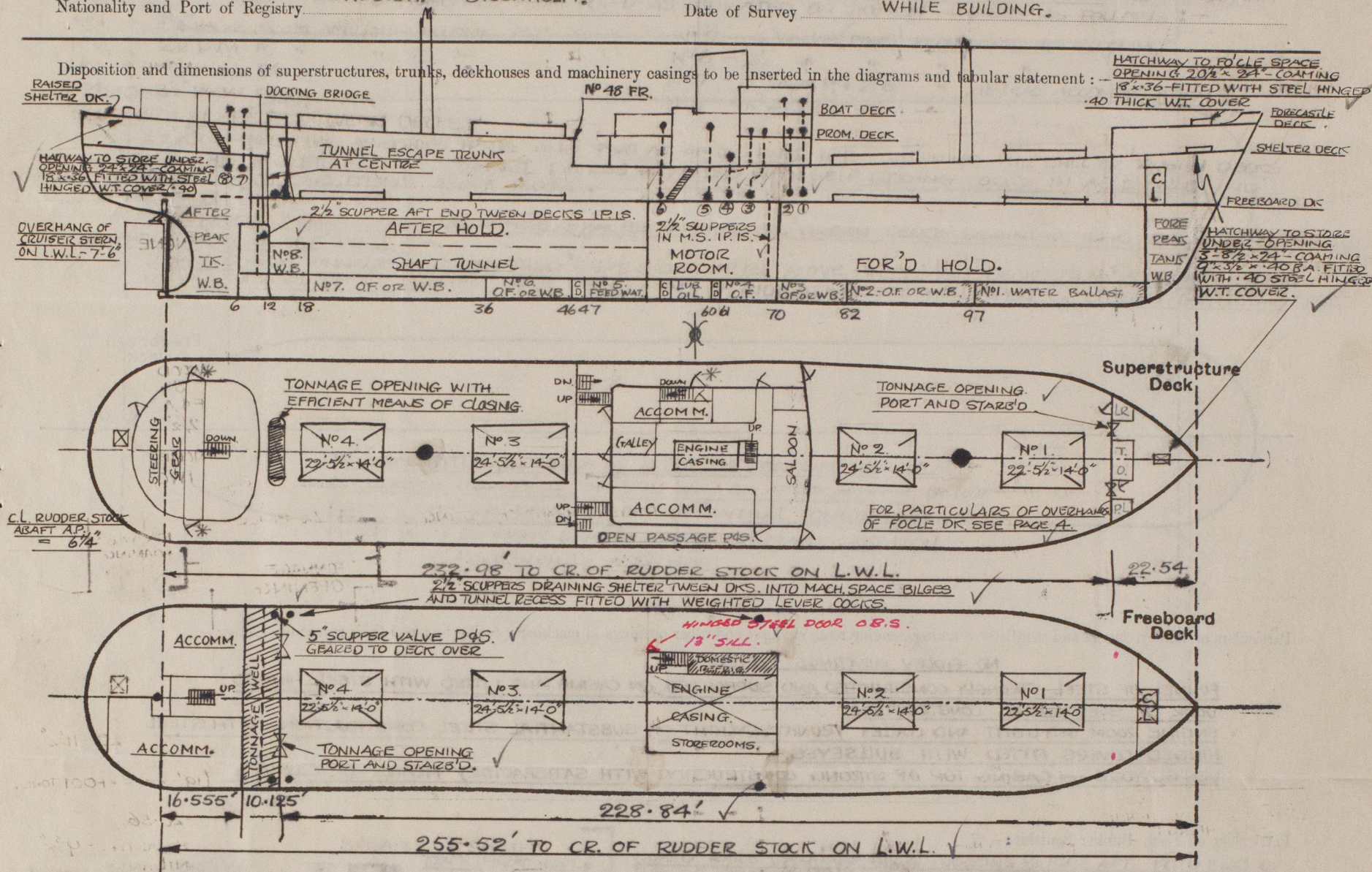
 Index No. **39463**
 (For London Office only).

SURVEYS FOR FREEBOARD

(CONDITIONS OF ASSIGNMENT.)

Molt. 18418.

24 MAY 1948

Ship's Name **M. V. "BERGSUND."**Port of Survey **MIDDLESBROUGH.**Official Number **8979**Surveyor's Signature **E. Hym.**Nationality and Port of Registry **SWEDISH. — STOCKHOLM.**Date of Survey **WHILE BUILDING.**

Particulars of Superstructures, Trunks, Casings, Deckhouses.

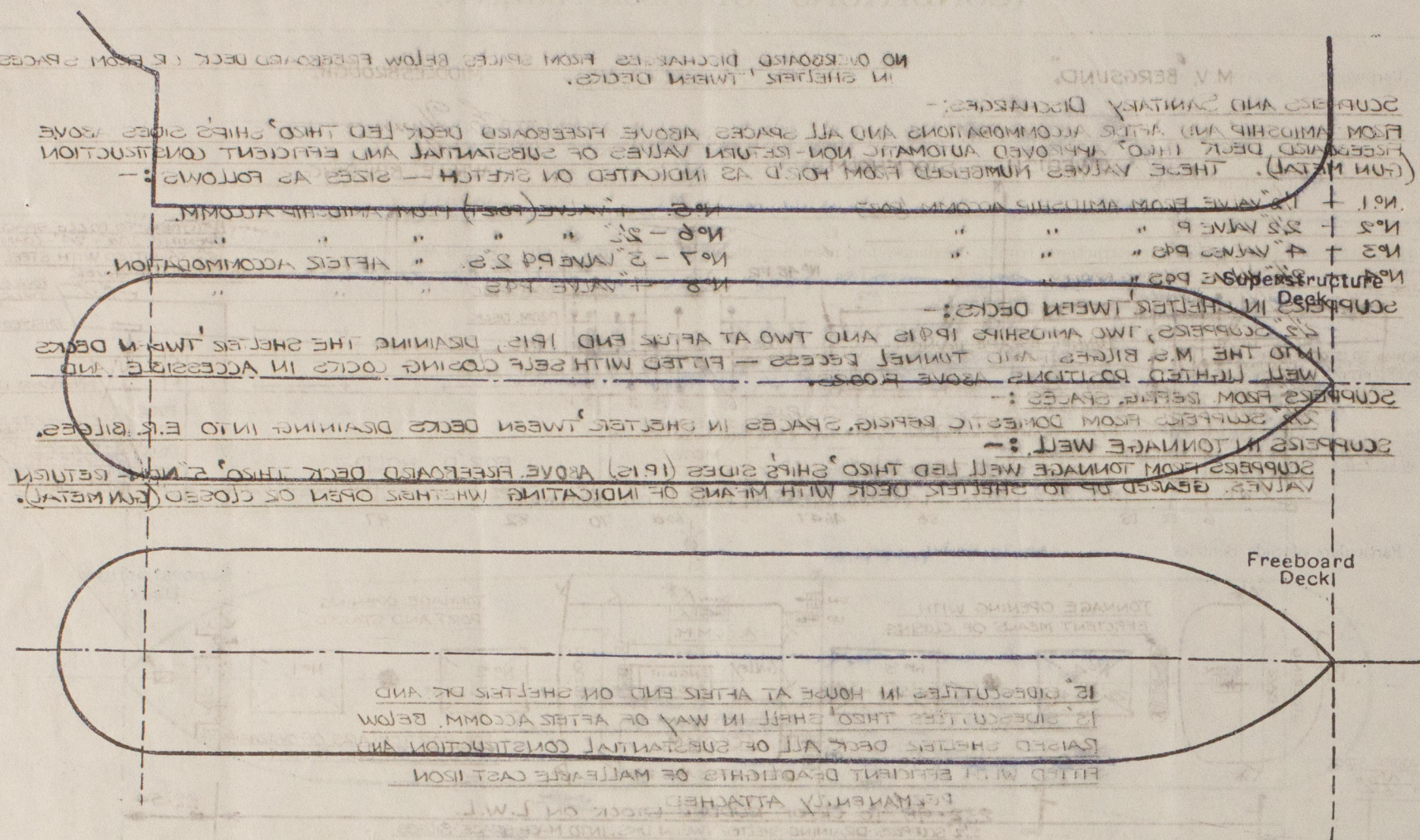
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead IN TONNAGE WELL	FR. NO. 8	.30	4" x 3" x .32 AND 3 1/2" x 2 1/2" x .32 O.A's	24"	BRACKETS TOP & BOT. E.W.	NO OPENINGS	✓	ON FR. NO. 11. 12'-3 1/2"
	FR. NO. 11	.30	3 1/2" x 3" x .30 E.W. TOE ON.	30"	BRACKETS E.W. TOP & BOTTOM.	— do —	✓	
Bridge, After Bulkhead IN TONNAGE WELL	✓	.34 VERTICAL PLATING	5 1/2" x 3" x .30 O.A STIFFS. E.W. TOE ON.	28"	NONE	11'-8" 10'-10" x 40"	NO SILLS.	12'-2 1/2"
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 ...	Ends Sides	.26 .26	3 1/2" x 3" x .28 J 3 1/2" x 3" x .28	30" 24 1/2"	E.W. Top and Bottom Bkts. Top.			7'-5"
Deckhouses on Flush Deck Ships ...								

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

Poop Bulkhead IN TONNAGE WELL	NO OPENINGS.
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead IN TONNAGE WELL	TWO OPENINGS (I.P.I.S.) FITTED WITH STEEL PORTABLE PLATES. (EACH PLATE IN TWO PORTIONS). HOOK BOLTS SPACED ABOUT 14 1/2" APART.
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 ...	

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:—

- NO FIDLEY GRATINGS FITTED.
- FUNNEL OF STEEL, STRONGLY CONSTRUCTED AND SUPPORTED ON CASING AND FITTED WITH STEEL HINGED DOOR OF SUBSTANTIAL CONSTRUCTION.
- ENGINE ROOM SKYLIGHT AND GALLEY TRUNK SKYLIGHT OF SUBSTANTIAL STEEL CONSTRUCTION WITH STEEL HINGED COVERS FITTED WITH BULLSEYES.
- VENTILATORS ON CASING TOP OF STRONG CONSTRUCTION WITH SATISFACTORY MEANS OF CLOSING.

Particulars of Flush Bunker Scuttles:—

- GUARD RAILS ON RAISED SHUTTER DECK, DOCKING BRIDGE AFT, FOR'D END OF RAISED SHUTTER DECK, MAINMAST LED TO ACCOMM. UNDER, 2 OFF - 6" DIAM. PIPE VENT - 28" GOOSENECK.
- GUARD RAILS ON RAISED SHUTTER DECK, DOCKING BRIDGE AFT, FOR'D END OF RAISED SHUTTER DECK, MAINMAST LED TO ACCOMM. UNDER, 2 OFF - 6" DIAM. PIPE VENT - 28" GOOSENECK.

Particulars of Companionways:—

- WOODEN HINGED DOORS OF SUBSTANTIAL AND EFFICIENT CONSTRUCTION, CAPABLE OF BEING OPERATED FROM BOTH SIDES.
- AMIDSHIP SUPERSTRUCTURE, PORT SIDE:— ENTRANCE DOWN TO REFRIG. COMP. IN TWEEN DECKS - OPENING 5' 0" x 2' 4" WITH 18 COAMING AND FITTED WITH 15" COAMING AND FITTED WITH WOODEN HINGED DOOR OF SUBSTANTIAL AND EFFICIENT CONSTRUCTION AND CAPABLE OF BEING OPERATED FROM BOTH SIDES.
- COMPANIONWAYS MARKED * ON SKETCH (SUPERSTRUCTURE DECK).

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

- FORECASTLE DECK - LED TO N°1 HOLD AND TWEEN DECKS - 1P. 15. - 12" DIAM. x 36" x 34" COAMING - COWL TOPS.
- SHUTTER DECK (FORECASTLE) - LED TO N°1 HOLD AND TWEEN DECKS - 1P. 15. - 12" DIAM. x 36" x 34" COAMING - COWL TOPS.
- RAISED SHUTTER DECK (MAINMAST) LED TO ACCOMM. UNDER - 2 OFF - 6" DIAM. PIPE VENT - 28" GOOSENECK.
- DOCKING BRIDGE (AFT) - LED TO ACCOMM. UNDER - 2 OFF - 6" DIAM. PIPE VENT - 28" GOOSENECK.
- BOAT DECK (AMIDSHIP) - LED TO ACCOMM. UNDER - 2 OFF - 6" DIAM. PIPE VENT - 28" GOOSENECK.
- WHEELHOUSE TOP - LED TO SPACES UNDER - 2 OFF - 6" DIAM. PIPE VENT - 28" GOOSENECK.

THE VENT. COAMINGS IN WAY OF FORE AND MAINMASTS AND DOCKING BRIDGE AFT, FOR'D END OF RAISED SHUTTER DECK ARE SECURELY SUPPORTED IN ACCORDANCE WITH RULE REQUIREMENTS.

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

- PIPE ON FORECASTLE DECK - 1 OFF - TO FORE PEAK TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO N°1 O.B. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO N°2 O.B. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO N°3 O.B. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO N°4 O.B. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO COFFERDAM (FRS 60-6) - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO COFFERDAM (FRS 57-58) - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO COFFERDAM (FRS 46-47) - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO N°5 O.B. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO N°6 O.B. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO N°7 O.B. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO DOMESTIC F.W. TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.
- PIPE ON SHUTTER DECK - 1 OFF - TO RUDDER TANK - 2 1/2" DIAM. - GOOSENECK - 36" HIGH.

ALL AIR PIPES TO OIL FUEL TANKS FITTED WITH MONEL METAL GAUZE. AIR PIPES NOT FITTED WITH PATENT HEADS ARE FITTED WITH WOOD PLUGS.

Particulars of Gangway Cargo and Coaling Ports:—

NONE FITTED.

Particulars of Scuppers and Sanitary Discharge Pipes:—

SCUPPERS AND SANITARY DISCHARGES:— NO OVERBOARD DISCHARGES FROM SPACES BELOW FREEBOARD DECK OR FROM SPACES IN SHELTER TWEEN DECKS.

- N°1 - 1 1/2" VALVE FROM AMIDSHIP ACCOMM. (PORT)
- N°2 - 2 1/2" VALVE (P)
- N°3 - 4" VALVES P4S
- N°4 - 2 1/2" VALVE P4S
- N°5 - 4" VALVE (PORT) FROM AMIDSHIP ACCOMM.
- N°6 - 2 1/2" "
- N°7 - 3" VALVE P4 2'S
- N°8 - 4" VALVE P4S

SCUPPERS IN SHELTER TWEEN DECKS:— 2 1/2" SCUPPER P4S. AT FORE END OF TWEENDECKS GEARED TO 4" D.K. WITH INDICATORS. 2 1/2" SCUPPERS, TWO AMIDSHIPS 1P4S AND TWO AT AFTER END 1P1S, DRAINING THE SHELTER TWEEN DECKS INTO THE M.S. BILGES AND TUNNEL RECESS - FITTED WITH SELF CLOSING COCKS IN ACCESSIBLE AND WELL LIGHTED POSITIONS ABOVE FLOORS.

SCUPPERS FROM REFRIG. SPACES:— 2 1/2" SCUPPERS FROM DOMESTIC REFRIG. SPACES IN SHELTER TWEEN DECKS DRAINING INTO E.R. BILGES.

SCUPPERS IN TONNAGE WELL:— SCUPPERS FROM TONNAGE WELL LED THRO' SHIP'S SIDES (1P1S) ABOVE FREEBOARD DECK THRO' 5" NON-RETURN VALVES GEARED UP TO SHELTER DECK WITH MEANS OF INDICATING WHETHER OPEN OR CLOSED (GUN METAL).

Particulars of Side Scuttles:—

15" SIDESCUTTLES IN HOUSE AT AFTER END ON SHELTER DECK AND 13" SIDESCUTTLES THRO' SHELL IN WAY OF AFTER ACCOMM. BELOW RAISED SHELTER DECK ALL OF SUBSTANTIAL CONSTRUCTION AND FITTED WITH EFFICIENT DEADLIGHTS OF MALLEABLE CAST IRON PERMANENTLY ATTACHED.

Vertical distance of Sill of lowest Side Scuttle above top of keel:— 26' 6"

Particulars of Guard Rails:—

- GUARD RAILS ON RAISED SHUTTER DECK (SPACED ABOUT 4' 6")
- GUARD RAILS ON RAISED SHUTTER DECK (SPACED ABOUT 4' 6")

BULWARKS ON SHELTER DECK (SPACED ABOUT 6' 6")

- 6" x 5" x 3/4" BA HANDRAIL
- 3" x 3" x 30" ANGLE

GUARD RAILS ON RAISED SHUTTER DECK, DOCKING BRIDGE AFT, FOR'D END OF RAISED SHUTTER DECK, MAINMAST LED TO ACCOMM. UNDER, 2 OFF - 6" DIAM. PIPE VENT - 28" GOOSENECK.

GUARD RAILS ON RAISED SHUTTER DECK (SEE SKETCH). O.A. STANCHIONS - SPACED ABOUT 3' 0" APART.

Particulars of Gangways, Ladders, etc.:—

NONE FITTED.

Particulars of Freeing Arrangements:—

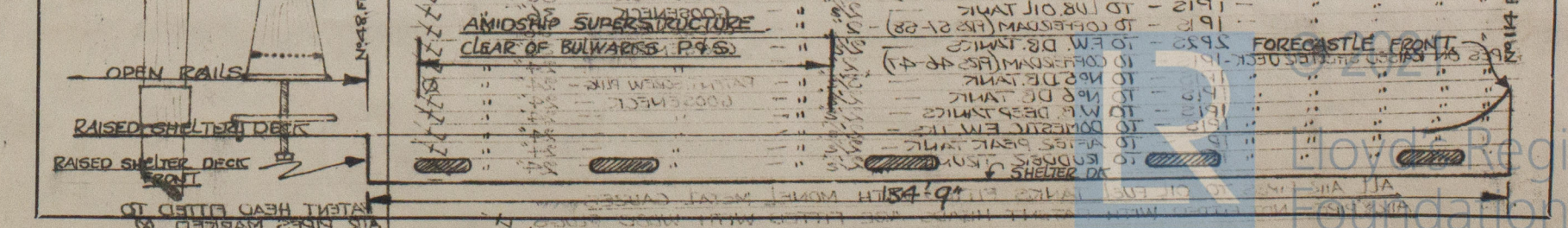
Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Area each side
...

Forward Well ... 134' 9" ... 32' 6" x 9' 6"

State position of each freeing port ... SHELTER DECK SEE SKETCH.

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— NO SHUTTERS OR BARS FITTED TO FREEING PORTS.

Additional area where sheer is less than standard:— NOT REQUIRED.



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

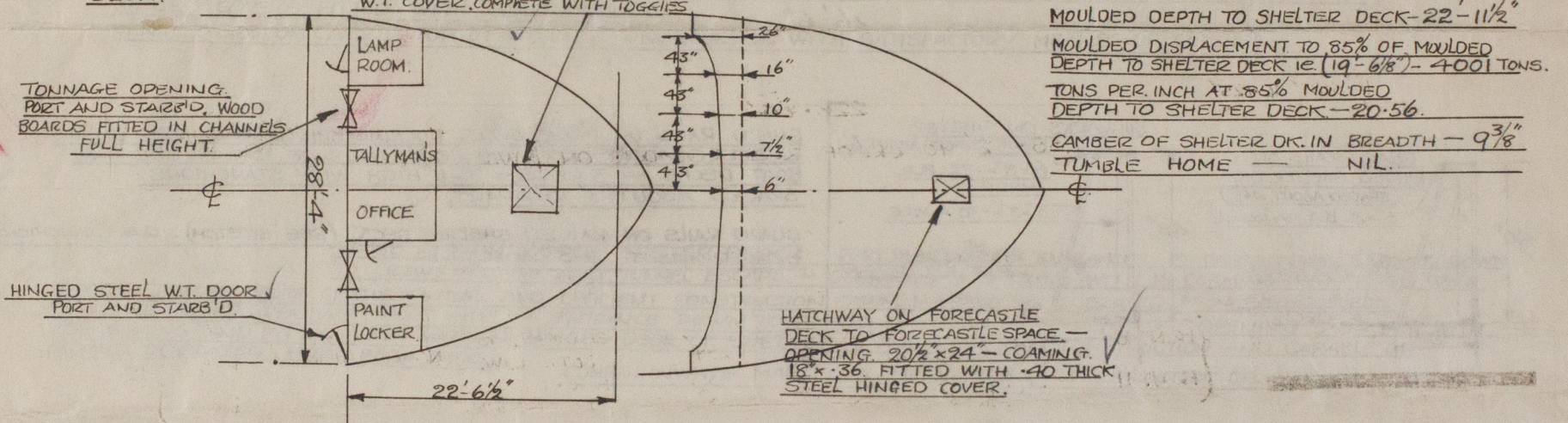
		HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.				RAISED SHELTER DECK.					
		FREEBOARD DECK				SHELTER DECK					
Description of Hatchway ...		Nº1.	Nº2.	Nº3.	Nº4.	Nº1.	Nº2.	Nº3.	Nº4.	TONNAGE OPENING.	
Dimensions of Hatchway ...		22'-5 1/2" x 14'-0"	24'-5 1/2" x 14'-0"	24'-5 1/2" x 14'-0"	22'-5 1/2" x 14'-0"	22'-5 1/2" x 14'-0"	24'-5 1/2" x 14'-0"	24'-5 1/2" x 14'-0"	22'-5 1/2" x 14'-0"	4'-7 1/2" x 14'-1"	
COAMINGS	Height above Deck ...	9" x 3 1/2" x .40 B.A. COAMINGS.				31"	31"	31"	31"		
	Thickness ...	B.A. COAMING.				.44	.44	.44	.44		
	Sides ...	B.A. COAMING.				.44	.44	.44	.44		
	Ends ...	B.A. COAMING.				.44	.44	.44	.44		
Stiffeners ...		NO STIFFS, BRACKETS OR STAYS.				FL. PLATE STAYS SPACED 18" APART.					
Brackets, Stays ...						2'-7"					
HATCH BEAMS	Number ...	THREE	THREE	THREE	THREE	THREE	THREE	THREE	THREE		
	Spacing ...	5'-9"	6'-2 1/2"	6'-2 1/2"	5'-9"	5'-9"	6'-2 1/2"	6'-2 1/2"	5'-9"		
	Scantling and Sketch ...	12" x 34"	12" x 34"	12" x 34"	12" x 34"	12" x 34"	12" x 34"	12" x 34"	12" x 34"		
	Bearing Surface ...	4" MIN.	4" MIN.	4" MIN.	4" MIN.	4" MIN.	4" MIN.	4" MIN.	4" MIN.		
FORE AND AFTERS	Number ...										
	Spacing ...										
	Unsupported Lengths ...										
	Scantling and Sketch ...										
Bearing Surface ...											
HATCH COVERS	Material ...	WOOD	WITH STEEL PATENT	ENDS.	WOOD	WITH STEEL PATENT	ENDS.	WOOD	WITH STEEL PATENT	ENDS.	WOOD
	Thickness ...	3"	3"	3 1/2"	3"	3"	3"	3"	3"	3"	3"
	How fitted ...	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.
	Bearing Surface ...	3" MIN.	3" MIN.	3" MIN.	3" MIN.	3" MIN.	3" MIN.	3" MIN.	3" MIN.	3" MIN.	2 1/2"
Spacing of Cleats ...		24" MAX.	24" MAX.	24" MAX.	24" MAX.	24" MAX.	24" MAX.	24" MAX.	24" MAX.	NONE	
Number of Tarpaulins ...		ONE PER HATCH.	ONE PER HATCH.	ONE PER HATCH.	ONE PER HATCH.	TWO PER HATCH.	TWO PER HATCH.	TWO PER HATCH.	TWO PER HATCH.	TWO.	

*Are wood fore and afters steel shod at all bearing surfaces? NONE FITTED.
 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? CHANNEL LOCKING BARS FITTED TO S.D. HATCHES.

EFFICIENT MEANS OF CLOSING. 4'-7 1/2" INSIDE. 10" x 3 1/2" B.A. COAMING. TONNAGE OPENING. 4'-0"

PARTICULARS OF SUPERSTRUCTURES ON SHELTER DECK IN THE EVENT OF THE TONNAGE OPENING BEING CLOSED.

Particulars of any special features:—
 FORECASTLE ON SHELTER DECK.



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.

PARTICULARS OF SUPERSTRUCTURES ON SHELTER DECK.								
	COAMING	PLATING	STIFFENERS	SPACING OF STIFFENERS	END ATTACHMENT OF STIFFS.	SIZE OF OPENINGS.	HEIGHT OF SILLS.	HEIGHT OF CASINGS.
FORECASTLE BULKHEAD	—	.25 VERTICAL PLATING.	3 1/2" x 2 1/2" x .30	2'-6"	NONE.	TONN. OPENINGS 4'-9" x 3'-1" (1 PIS) 6'-10" x 2'-4" (2 PIS) 6'-10" x 2'-3"	18" NIL.	7'-2 1/4"
PARTICULARS OF CLOSING APPLIANCES.								
FORECASTLE BULKHEAD.	2 OPENINGS WITH STEEL HINGED W.T. DOORS CAPABLE OF BEING OPERATED FROM BOTH SIDES. 2 OPENINGS FITTED WITH 2 1/2" THICK WOOD BOARDS IN CHANNELS - (FULL HT.)							

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