

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

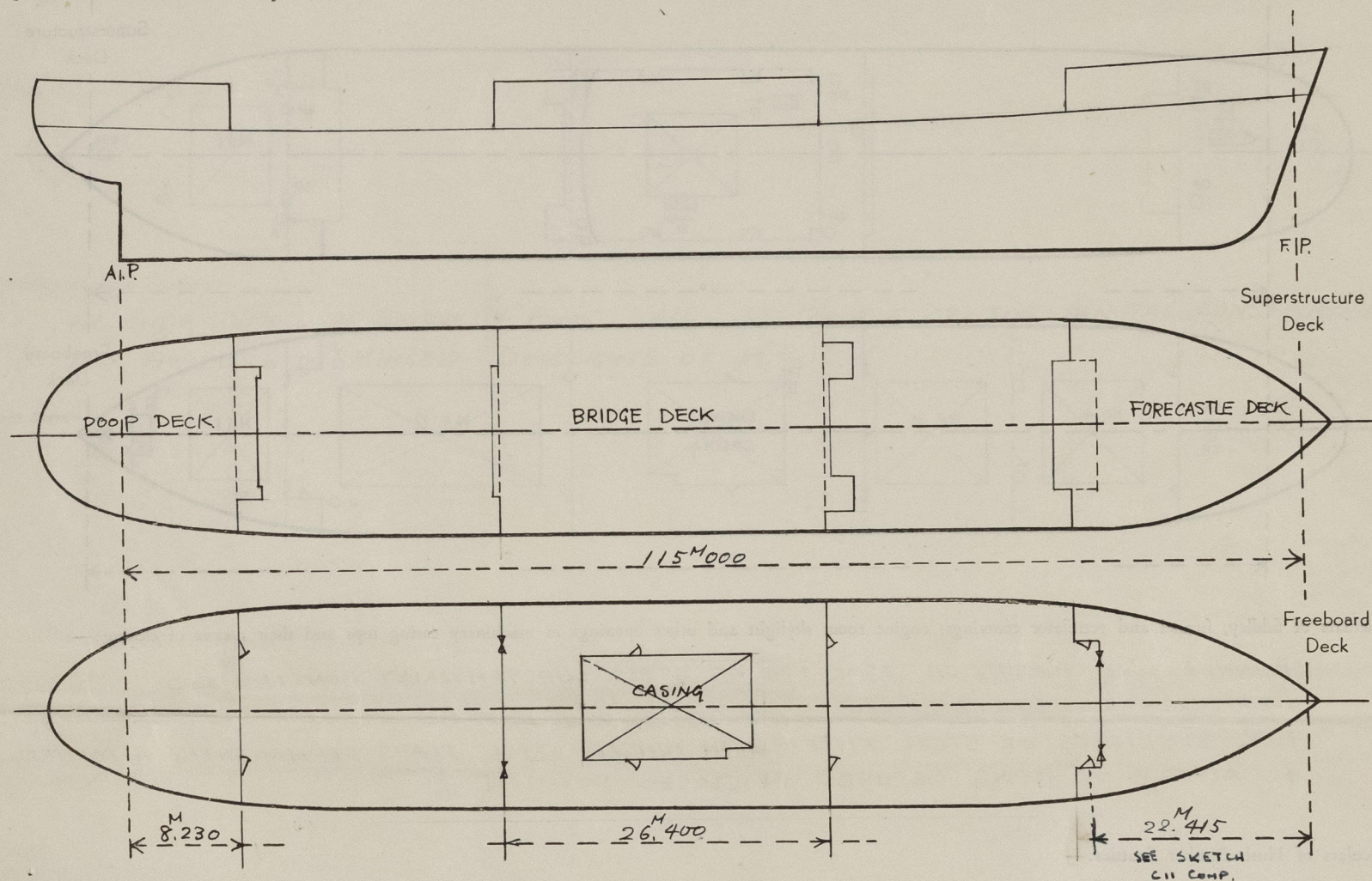
(CONDITIONS OF ASSIGNMENT.)

 Index No. **43163**
 (For London Office only.)

13 SEP 1951

Ship's Name KENRYU MARU Port of Survey OSAKA
 Official Number 67584 Surveyor's Signature Reynold Gibson
 Nationality and Port of Registry JAPAN KOBE Date of Survey AUG. 1951

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.

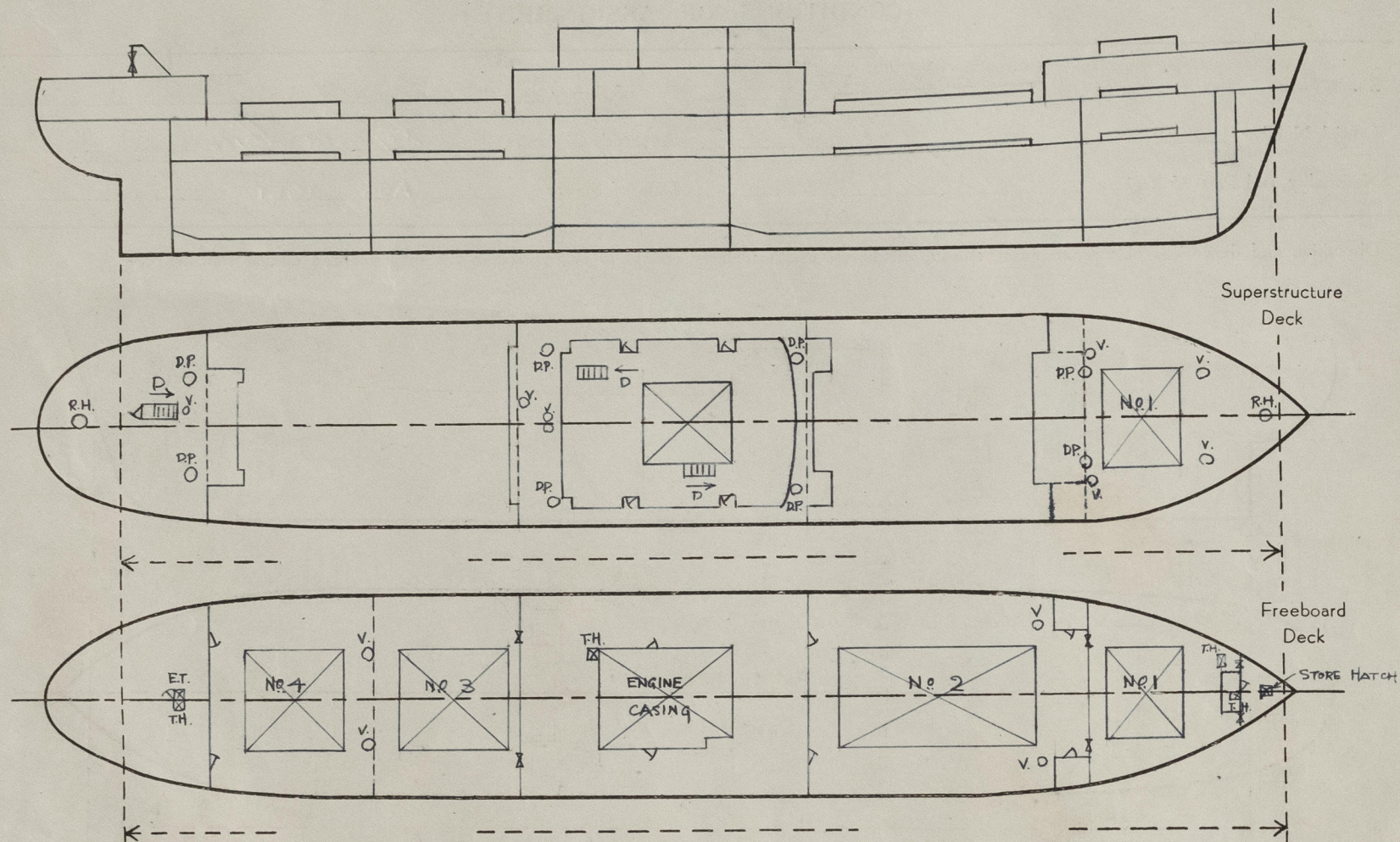
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	10 ^{M/M}	10	100x75x10 F	800 ^{M/M}	TOP & BOTTOM BRACKET	S.S. 900x1,500 P.S. 600x1,500	400 ^{M/M}	2,300 ^{M/M} ✓
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	8	8	75x75x6 L	800	NONE	2-950x1,500	500	2,400 ✓
Bridge, Forward Bulkhead ...	11	11	200x90x8/13.5 L	820	TOP & BOTTOM BRACKET	2-700x1,500	400	2,400 ✓
Forecastle Bulkhead ...	8	8	75x75x6 L	830	NONE	2-950x1,400	500	2,300 ✓
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 ...	9	7	75x9 F.B.	825	NONE	2-600x1,600	250	2,400 ✓
Deckhouses on Flush Deck Ships ...	✓							

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

Poop Bulkhead ...	HINGED W/T STEEL DOORS, MANIPULATED FROM BOTH SIDES. ✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	WOOD BOARDS IN CHANNELS PERMANENTLY ATTACHED TO BULKHEAD. ✓
Bridge, Forward Bulkhead ...	HINGED W/T STEEL DOORS, MANIPULATED FROM BOTH SIDES. ✓
Forecastle Bulkhead ...	WOOD BOARDS IN CHANNELS PERMANENTLY ATTACHED TO 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 ...	HINGED STEEL DOORS, 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:—

FUNNEL & VENTILATORS ON CASING TOP OF STEEL SUBSTANTIALLY CONSTRUCTED & EFFICIENTLY STAYED. ✓

E.R. SKYLIGHTS OF STEEL FITTED WITH HINGED STEEL FLAPS PERMANENTLY ATTACHED & CAPABLE OF BEING SECURED IN CLOSED POSITION. ✓

Particulars of Flush Bunker Scuttles:—

NONE ✓

Particulars of Companionways:—

		PLATE	STIFFENER	SPACING	END ATTACHMENT	OPENING	DOOR	SILL
DECK HOUSE ON BRIDGE DECK	FRONT	8 1/4"	100x75x7 L	850 1/4"	BOTH ENDS WELDED	✓	✓	✓
	SIDES	7	90x9 FB	825	TOP BRACKET BOTTOM NONE	800x1600	WOOD DOORS	460 ✓
	AFT END	7	90x9 FB	900	NONE	✓	✓	✓
COMPANIONWAY ON POOP DECK		7	75x9 FB	800	TOP BRACKET BOTTOM NONE	600x1600	HINGED W/T STEEL DOOR	460 ✓

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

DECK	No. OFF	DIA.	TYPE	COAMING	TO LIP
FORECASTLE DECK	2	150 1/4"	G.V.	850 1/4"	470 1/4"
	4	500	C.V.	915x10 1/4"	
	2	650	DERRIK POST		
	3	100	G.V.		470
BRIDGE DECK	2	750	DERRIK POST		
	1	300	C.V.	760x9	
	2	100	M.V.		470
	1	100	G.V.		470
POOP DECK	3	150x80	G.V.		470
	2	700	DERRIK POST		
	5	100	G.V.		470
	2	100	M.V.		470
UPPER DECK	1	300	C.V.	760x9	
	2	650	C.V.	2500x10	
	2	700	C.V.	915x10	

ALL VENTILATORS ABOVE 915 1/4" IN HEIGHT ARE SPECIALLY STAYED. ✓

CLOSING APPLIANCES

ALL GOOSENECK VENTS ARE FITTED WITH HINGED W/T STEEL FLAPS. ✓

ALL MUSHROOM VENTS ARE FITTED WITH S.D. W/T STEEL COVERS. ✓

ALL COWLHEAD VENTS ARE FITTED WITH WOOD PLUGS & CANVAS COVERS. ✓

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

DECK	No. OFF	DIA.	TO LIP
F/CLE DECK	3	80 1/4"	470 1/4"
POOP DECK	1	80	470
	1	100	470
UPPER DECK	5	70	915
	18	80	915

ALL AIR PIPES ARE FITTED WITH WOOD PLUGS & CANVAS COVERS. ✓

Particulars of Gangway Cargo and Coaling Ports:—

NONE

Particulars of Scuppers and Sanitary Discharge Pipes:—

ALL SCUPPERS & SANITARY DISCHARGES FROM POOP, BRIDGE & FORECASTLE ARE LED THROUGH SHELL ABOVE 2ND DECK LEVEL AND FITTED WITH AUTOMATIC N.R. VALVES OF CAST STEEL.

MIN. HEIGHT OF SHELL OPENING ABOVE L.W.L. = 300 1/4" ✓

Particulars of Side Scuttles:—

IN SIDE SHELL OF BRIDGE & POOP ALL 250 1/4" DIA OF SUBSTANTIAL CONSTRUCTION AND FITTED WITH HINGED DEADLIGHTS OF M.C.I. ✓

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

10,441

Particulars of Guard Rails:—

GUARD RAILS

FITTED ON FORECASTLE DK & POOP DK 1000 IN HEIGHT. STANCHIONS OF 1/2" PIPES SPACED 1'300 APART.

BULWARKS

BRIDGE: 1070 1/4" IN HEIGHT PLATE 6 1/4" TOP BAR 150x75x8 B.A. BKT 8 1/4" 75 FL SPACED 1'650 APART. ✓

WELL: 1070 1/4" IN HEIGHT PLATE 7 1/4" TOP BAR 180x75x9.5 B.A. BKT 9 1/4" 75 FL SPACED 1'650 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	31.285 ✓	1.070 ✓	150R 25DIA. 1.200	6	1.92	1.91 ✓
Forward Well	25.445 ✓	1.070 ✓	D.P.	5	1.60	1.55 ✓

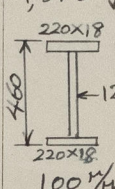
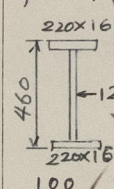
State position of each freeing port { After Well:— 4 F.S. APART 280 1/4" ABOVE DECK
(F. and A. position and height above deck edge) { Forward Well:— " " " " " }

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— DIA 25 1/4" BAR IS FITTED AT CENTRE

Additional area where sheer is less than standard.

NONE

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
FORECASTLE DECK			POOP DECK		UPPER DECK					
Description of Hatchway	ROPE HATCH	NR. 1 CARGO HATCH	ROPE HATCH	NR. 1 CARGO HATCH	NR. 2	NR. 3	NR. 4	TRIMMING HATCH	STORE HATCH	
Dimensions of Hatchway	M. 600 - 750	M. 850 6.400	M. 660 DIA	M. 850 6.400	M. 21.450 6.400	M. 11.550 6.400	M. 11.550 6.400	M. 600 - 530	M. 700 - 600	
COAMINGS	Height above Deck	460 ^M	745 ^M	460 ^M	230 ^M	865 ^M	750 ^M	250 ^M	250 ^M	
	Thickness	9	11	9	230x11 B.P.	12	11	9	8	
	Stiffeners	✓	11	✓	✓	12	11	✓	8	
	Brackets, Stays	✓	200x65x10 B.A. BKT 9 ^M SPACED 24655 APART	✓	✓	200x65x10 B.A. BKT 9 ^M SPACED 1650 APART	200x90x10 B.A. BKT 9 ^M SPACED 2475 APART	DO. ✓	✓	
HATCH BEAMS	Number			4						
	Spacing			1,370 ^M						
FORE AND AFTERS	Scantling and Sketch									
	Bearing Surface			100 ^M						
HATCH COVERS	Material	STEEL	STEEL	STEEL	MATSU	STEEL	MATSU	MATSU	STEEL	
	Thickness	8 ^M	7 ^M	8 ^M	65 ^M	7 ^M	60	60	8 ^M	
	How fitted	HINGED	MAC GREGOR	HINGED	F+A	MAC GREGOR	F+A	F+A	HINGED	
	Bearing Surface	W/T COVER	TYPE	W/T COVER	70	TYPE	70	70	W/T COVER	
Spacing of Cleats	BOLTS SPACED		230 ^M	595		592	592	320	500	
Number of Tarpaulins	9" APART	✓	✓	2	✓	2	2	✓	2	
*Are wood fore and afters steel shod at all bearing surfaces? ✓ 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:—

CENTER GIRDER W.T. OVER MIDSHIP 1/2 L.

TIMBER FITTINGS:—

STANCHIONS SIZE 250x250^M
LENGTH 5^M 500
SOCKET 75x9 F.B. WELDED TO DECK
SPACED LESS THAN 3^M 050
EYE PLATES TESTED AT 6T LOAD
SPACED LESS THAN 3^M 050 WELDED TO SHEER STRAKE & DECK. NOT MORE THAN 1.90L FROM END BIDS OF SUPERSTRUCTURES.

LASHINGS LONG LINK CHAIN 20^M DIA. 12^M 000 LENGTH x 32
4 16 RIGGING SCREWS SUPPLIED.
WIRE ROPE (6x24) 20^M DIA. SPACED LESS THAN 3^M 050

ESCAPE TRUNK IN POOP SPACE
PLATE 6^M 1/4
OPENING 600x1500^M
DOOR HINGED STEEL DOOR. O.B.S.
SILL 300^M 1/4

TRIMMING HATCH IN UPPER DECK WITHIN POOP
550x550^M PROTECTED BY WOOD BULKHEAD FITTED WITH 230^M STEEL COAMING & WOOD DOOR.



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