

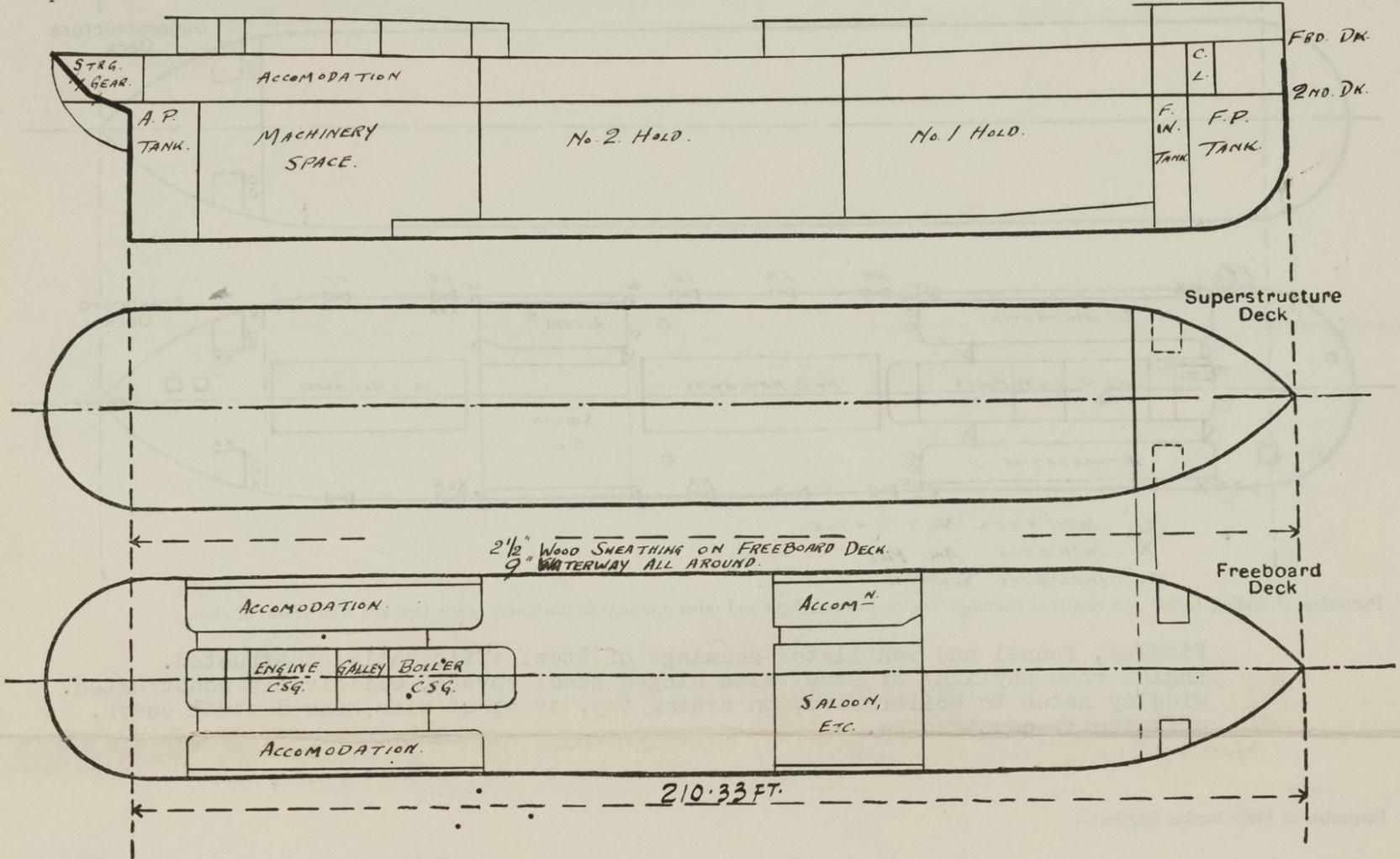
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name "HAIYU" ex "OTTAWA PANDORA" Port of Survey Victoria, B. C.
 Official Number - Surveyor's Signature [Signature]
 Nationality and Port of Registry Chinese - Shanghai Date of Survey During alterations in August, 1946.

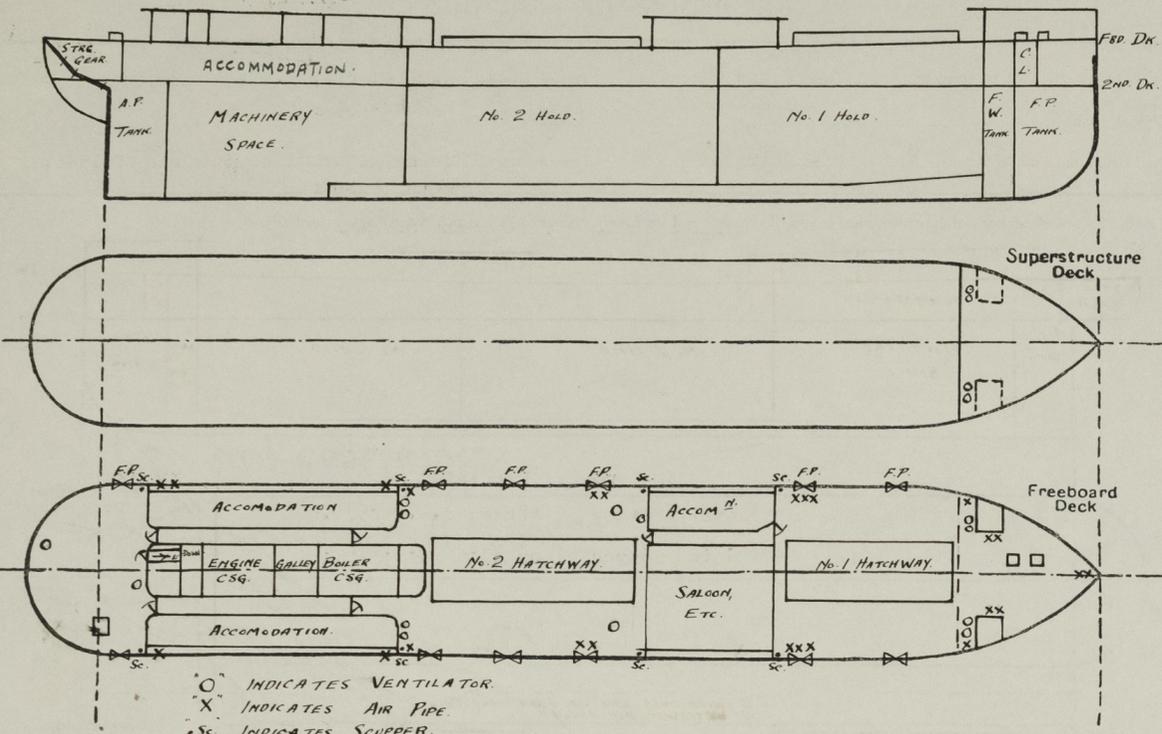
Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:—



Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
After sidehouse			$2\frac{1}{2}'' \times 2\frac{1}{2}'' \times .31$		Welded at			
— Poop Bulkhead (After Bhd.)		.25	(toe welded)	30" & 33"	ends	4'10" x 2'0"	15"	7'-6"
After sidehouses fwd.		.25	$3 \times 2\frac{1}{2}'' \times .25$	26" & 30"	do	4'10" x 2'0"	15"	7'-6"
— Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead			$4 \times 3 \times 3\frac{7}{8}$		Brackets			
Saloon House		.31	(toe welded)	30"	Top & Btm.	4'10" x 2'6"	18"	8'-0"
— Bridge, Forward Bulkhead			$3 \times 2\frac{1}{2}'' \times .25$	33"	Welded at			7'-0"
Forecastle Bulkhead (at sides)		.25	(toe welded)		ends			
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks		.25	$3 \times 2\frac{1}{2}'' \times .25$	24" & 27"	Top Bkts. on alt. stiffs.	4'10" x 2'0"	19"	7'-6"
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).								
After sidehouse	Hinged solid hardwood doors capable of being manipulated from both sides.							
— Poop Bulkhead (after Bhd.)								
After sidehouses fwd.	— do —							
— Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Saloon House	Hinged steel weathertight door, capable of being manipulated from both sides.							
— Bridge, Forward Bulkhead								
Forecastle Bulkhead	Open forecastle.							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	Hinged steel doors, capable of being manipulated from both sides.							
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:—

Fiddle, funnel and ventilator coamings of steel efficiently constructed.
 Engine room skylight of steel with hinged steel covers, efficiently constructed.
 Fiddle hatch to boiler room, on casing top, of steel with hinged steel cover, efficiently constructed.

Particulars of Flush Bunker Scuttles:—

NONE FITTED

Particulars of Companionways:—

Entrance at after end of after Deckhouse on upper deck - opening 4'-11", 2'-2", sill 18" above wood deck, with hinged wood door operated from both sides.

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

- 1 @ 22" dia., cmg. 36"x.44" to cargo spaces.
- 2 @ 18" dia., derrick post with mushroom ventilator on top, to cargo spaces.
- 1 @ 18" dia., cmg. 36"x.44" to cargo spaces.
- 2 @ 14" dia., cmg. 36"x.37" to cargo spaces.
- 2 @ 13" dia., cmg. 10'-0"x.34" to cargo spaces, efficiently stayed.
- 2 @ 12" dia., cmg. 10'-0"x.34" to cargo spaces, efficiently stayed. At F'cle. Deck
- 1 @ 9" dia., cmg. 30"x.31" to accommodation in 'tween deck aft.
- 1 @ 6" dia., cmg. 33 1/2"x.31" to steering gear compartment.
- 1 @ 5" dia., gooseneck type, 30" to opg., to midship 'tween deck stores, fitted with wood plug at opg.
- 3 @ 8" dia., cmg. 24"x.31" to cargo spaces (on saloon house top).
- 1 @ 12" dia., cmg. 12"x.34" with mushroom top, to accommodation in 'tween deck aft (on boat deck).

All ventilator coamings fitted with wood plugs and canvas covers, except mushroom ventilators to accommodation, which are of the screw down type.

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

- Upper Deck:—
- 1 - 2 1/2" dia., - 18" to opening, to Aft Peak.
 - 2 - 2" dia., - 18" to opening, to Feed Tank.
 - 2 - 3" dia., - 21" to opening, Settling Tank.
 - 2 - 3" dia., - 21" to opening, to D.B. Tank.
 - 4 - 3" dia., - 21" to opening, to D.B. Tank.
 - 6 - 3" dia., - 21" to opening, to D.B. Tank and C'dam.
 - 2 - 2 1/2" dia., - 21" to opening, to D.B. Tank.
 - 4 - 2 1/2" dia., - 18" to opening, to Upper and Lower F.W. Tanks.
 - 2 - 3" dia., - 18" to opening, to F.P. Tank and Aux. Ballast Tank.

Openings of air pipes provided with wood plug plus gauze to air pipes from O.F. Tanks. Sniffling holes drilled in top of all air pipes on Freeboard Deck.

Particulars of Gangway Cargo and Coaling Ports:—

NONE

Particulars of Scuppers and Sanitary Discharge Pipes:—

Freeboard Deck - 4 Port & Starboard - 2" dia. pipe scupper led through Freeboard Dk. and ship's sides, with open ends.

Sanitary discharges from spaces above Freeboard Deck led through Freeboard Deck and ship's sides with automatic non-return valves.

Particulars of Side Scuttles:—

12" dia. side scuttles fitted in shell plating in 'tween deck aft, with hinged steel deadlights.

12" & 16" dia. side scuttles fitted in deckhouses on upper deck with hinged deadlights, efficiently constructed.

Vertical distance of Sill of lowest Side Scuttle above top of keel 20'-7"

Particulars of Guard Rails:—

Forecastle Deck - Stanchions 2 3/4" x 5/8" - 3'-6" high with 3 rows of rails, stanchions spaced about 5'-0" apart.

Upper Deck - 3'-6" steel bulwark with plate stays spaced about 6 ft. apart.

Particulars of Gangways, Lifelines, etc:—

Provision made for rigging lifelines between after Deckhouse, Midship Deckhouse and Forecastle

Port and Starboard.

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 (at Stern)	10'-10"	3'-6"	5'-9" x 9"	1	4.31	5.78
(Midships)	63'-0"	3'-6"	5'-9" x 9"	3	12.94	12.80
Forward Well	34'-0"	3'-6"	5'-9" x 9"	2	8.62	9.9
State position of each freeing port ... AT STERN & MIDSHIPS. AFTER WELL: 9" AFTER SIDEHOUSE 10'-2" 12'-3" 16'-2" - 8" ABOVE DK. EDGE. (F. and A. position and height above deck edge) FORWARD WELL: SALOON HOUSE FRONT 4'-0" 6'-3" - 11" " " "						
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	No. 1		No. 2		W.T. Hatch to Stg. Gear	W.T. Hatch to Chain Locker	W.T. Hatch to Fore Peak			
	28'x14'		52'x14'		2'-6" x 2'-6"	2'x2'	2'x2'			
COAMINGS	Height above Deck	27 1/2"		18"	18"*	18"*	* = Height above steel deck			
	Thickness { Sides	.44		.31	.31	.31				
	Thickness { Ends	.44		.31	.31	.31				
	Stiffeners	9"x3/4"x19 lbs. B.A.		-	-	-				
Brackets, Stays	2@2" dia		5@2" dia	-	-	-				
Fabricated HATCH BEAMS	Number	5		10						
	Spacing	4'-8 3/4"		4'-9 1/4"						
	Scantling and Sketch	I								
	Web	1 3/4" x 3/8"		1 1/2" x 3/8"	None	None	None			
Top & Btm.	7" x 5/8"		7" x 5/8"							
Bearing Surface	4"		4"							
FORE AND AFTERS	Number	None		None	None	None				
	Spacing	None		None	None	None				
	Unsupported Lengths	None		None	None	None				
	Scantling and Sketch	None		None	None	None				
Bearing Surface	None		None	None	None	None				
HATCH COVERS	Material	B.C. Fir		B.C. Fir	Hinged Steel	Hinged Steel	Hinged Steel			
	Thickness	2 1/2"		2 1/2"	W.T. cover	W.T. cover	W.T. cover			
	How fitted	F. & A.		F. & A.	with	with	with			
	Bearing Surface	3"		3"						
Spacing of Cleats	24"		24"	hinged toggles	hinged toggles	hinged toggles				
Number of Tarpaulins	2		2							

*Are wood fore and afters steel shod at all bearing surfaces? **No fore and afters 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? **Yes**

Particulars of any special features:—

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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