

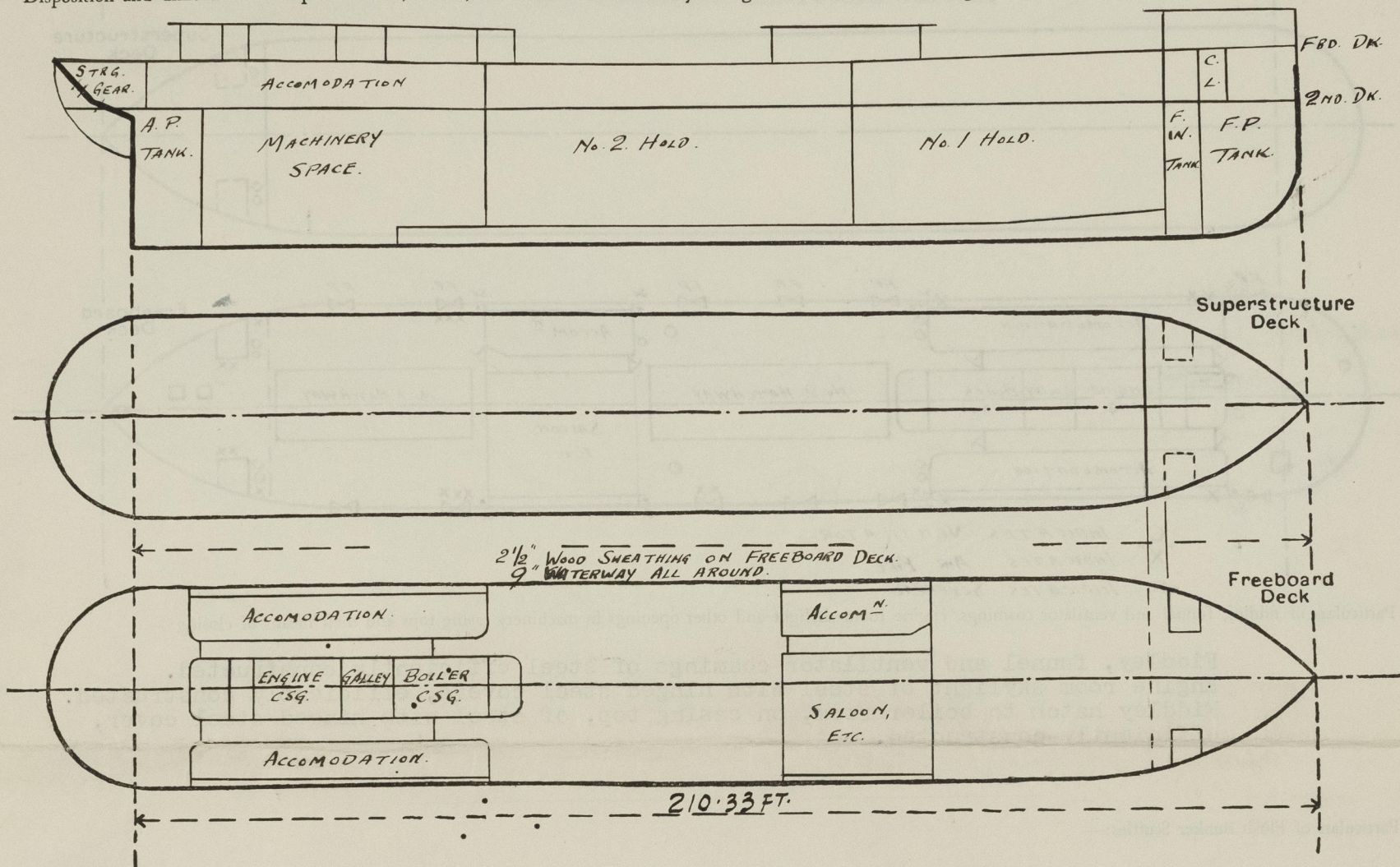
Lloyd's Register of Shipping.

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.

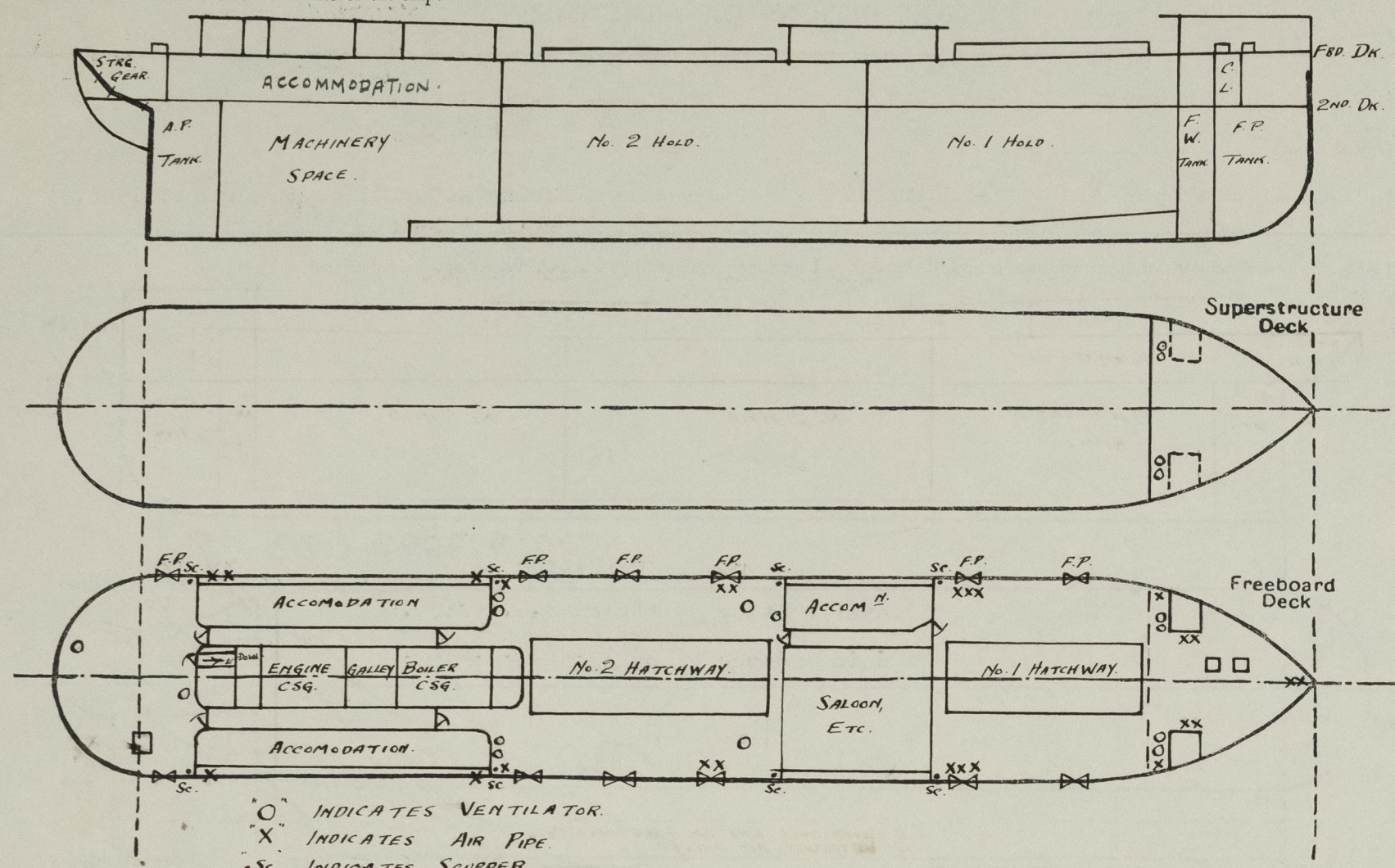
Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:—



| 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 | | | |
| After sidehouse fwd. | | .25 | (toe welded) | 30" & 33" | ends | 4'10" x 2'0" | 15" | 7'-6" |
| Raised Quarter Deck Bulkhead | | .25 | $3 \times 2\frac{1}{2}'' \times .25$ | 26" & 30" | do | 4'10" x 2'0" | 15" | 7'-6" |
| 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 | | .25 | $3 \times 2\frac{1}{2}'' \times .25$ | 33" | Welded at ends | - | - | 7'-0" |
| Forecastle Bulkhead (at sides) | | | | | | | | |
| 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. stiff. | 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 | | | | | | | | |
| After sidehouse fwd. | | | | | | | | |
| Raised Quarter Deck Bulkhead | | | | | | | | |
| Bridge, After Bulkhead | | | | | | | | |
| Saloon House | | | | | | | | |
| 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 | | | | | | | | |

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"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.
Sniffing 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 3/8" 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 |
| <p>State position of each freeing port ...</p> <p>(F. and A. position and height above deck edge)</p> <p>State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— None</p> <p>Additional area where sheer is less than standard.</p> | | | | | | |

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 | | | | |
| Dimensions of Hatchway | 28'x14' | 52'x14' | 2'-6"x2'-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 | | | | |
| | Ends | .44 | | | | | | | |
| | 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 | | | | | | | | |
| | Web | 13 1/4"x3/8" | 12 1/2"x3/8" | None | None | None | | | |
| Top & Btm. | 7"x5/8" | 7"x5/8" | | | | | | | |
| Bearing Surface | 4" | 4" | | | | | | | |
| FORE AND AFTERS | Number | | | | | | | | |
| | Spacing | | | | | | | | |
| | Unsupported Lengths | | | | | | | | |
| | Scantling and Sketch | | | | | | | | |
| Bearing Surface | | | | | | | | | |
| 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 with | W.T. cover with | W.T. cover with | | | |
| | How fitted | F. & A. | F. & A. | | | | | | |
| | 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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