

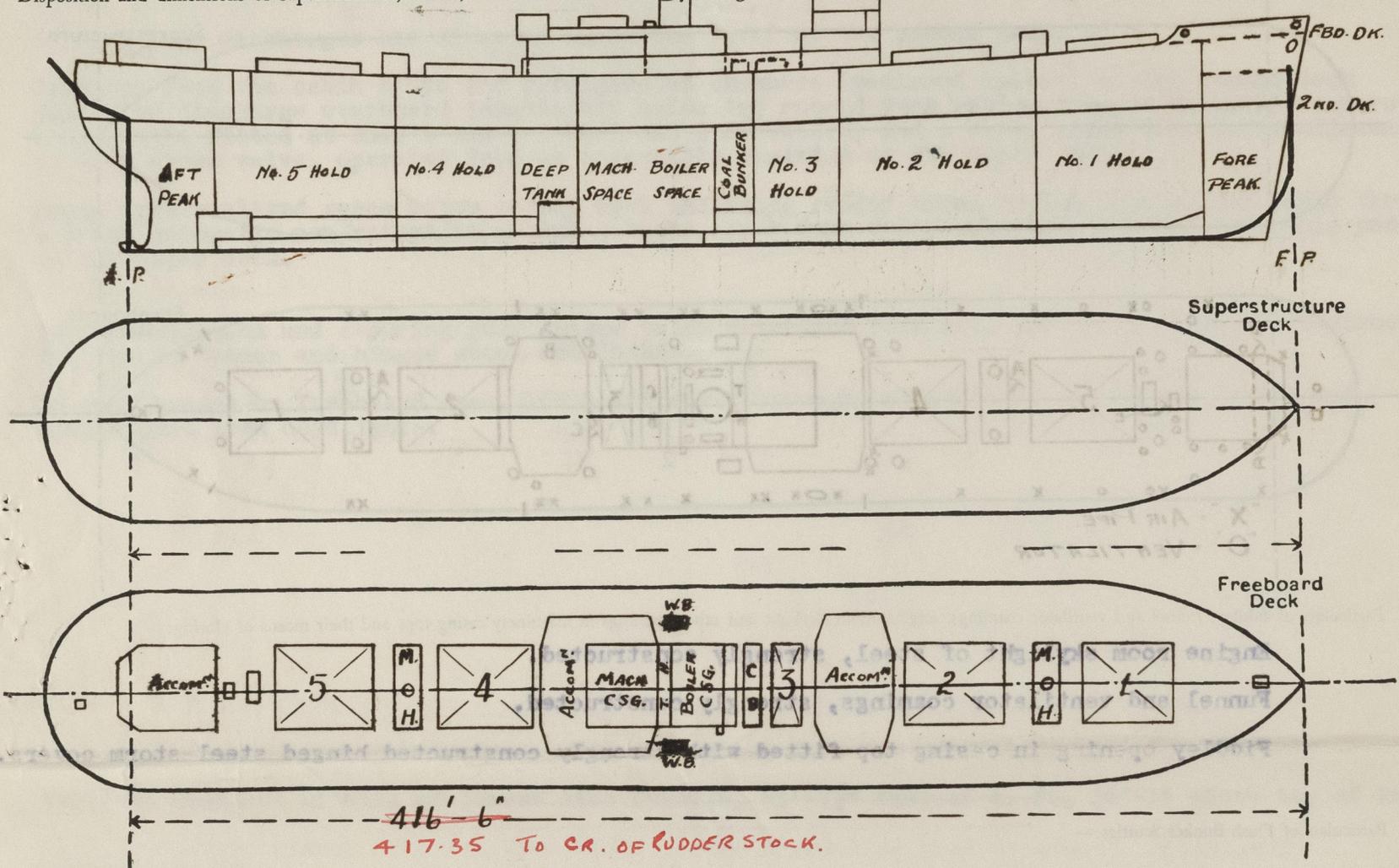
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **"FORT VERMILLION"** Port of Survey **North Vancouver, B. C.**
 Official Number **168376** Surveyor's Signature *[Signature]*
 Nationality and Port of Registry **British LONDON** Date of Survey **October, 1942.**

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.

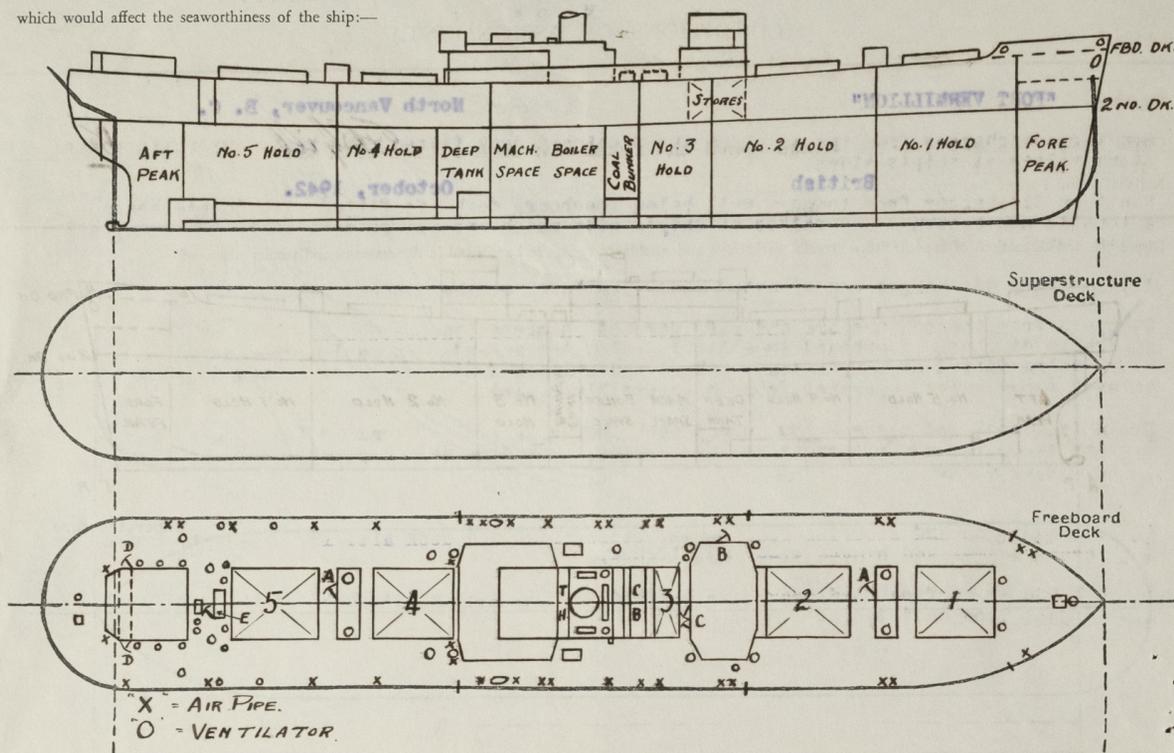
| | Coaming | Plating | Stiffeners | Spacing | End Attachments of Stiffeners | Size of Openings | Height of Sills | Height of Casings |
|---|---------|--------------|----------------------------|------------|---|------------------|-----------------|-------------------|
| Poop Bulkhead ... | X | | | | | | | |
| Raised Quarter Deck Bulkhead ... | X | | | | | | | |
| Bridge, After Bulkhead ... | X | | | | | | | |
| Bridge, Forward Bulkhead ... | X | | | | | | | |
| Forecastle Bulkhead ... | X | | | | | | | |
| Trunk, Aft Mast Houses ... | X | .38 | 5"x3"x.38 O.A. & Div. Bhd. | 30" - 33" | Bracketted Top & Btm. | 5'0" x 2'0" | 18" | 7'-6" |
| Trunk, Forward ... | X | | | | | | | |
| Exposed Machinery Casings on Freeboard or Raised Quarter Deck ... | X | .36 & .31 | 3"x3"x.31 | 30" | None-continuous at bottom. | 5'0" x 2'1" | 24" | 10'-8" |
| Exposed Machinery Casings on Superstructure Decks ... | X | | | | | | | |
| Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... | X | | | | | | | |
| Deckhouses on Flush Deck Ships ... | X | .30" to .36" | 5"x3"x.31" & 3"x3"x.31" | 30" to 36" | Bracketted Top & Btm. See Companionways | | | 7'-6" |

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

| | |
|---|---|
| Poop Bulkhead ... | X |
| Raised Quarter Deck Bulkhead ... | X |
| Bridge, After Bulkhead ... | X |
| Bridge, Forward Bulkhead ... | X |
| Forecastle Bulkhead Mast Houses ... | Hinged steel W. T. doors manipulated from both sides. |
| Exposed Machinery Casings on Freeboard or Raised Quarter Decks ... | Hinged steel doors manipulated from both sides. |
| Exposed Machinery Casings on Superstructure Decks ... | X |
| Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... | X |
| Deckhouses on Flush Deck Ships ... | Hinged steel and hardwood doors, manipulated 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 fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

- Engine room skylight of steel, strongly constructed.
- Funnel and ventilator coamings, strongly constructed.
- Fiddle opening in casing top fitted with strongly constructed hinged steel storm covers.

Particulars of Flush Bunker Scuttles:—

None

"A" - Opg. 5' x 2', cmg. 18" with hinged steel watertight door to hold escape trunk in mast houses.

Particulars of Companionways:—

- "B" - Opg. 4'-9" x 2', cmg. 20" with hinged steel watertight door to hold escape trunk in deck house.
- "C" - Opg. 5' x 3'-6", cmg. 18" with double hinged solid hardwood doors to saloon deck house enclosing access hatch to cabin store.
- "D" - Opg. 4'-5" x 2'-1", cmg. 22" above wood sheathing, with hinged solid hardwood door to after deck house enclosing companionway to accommodation spaces below freeboard deck.
- "E" - Opg. 4'-0" x 1'-10", cmg. 26", with hinged solid hardwood door to strong steel companionway to tonnage well.

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

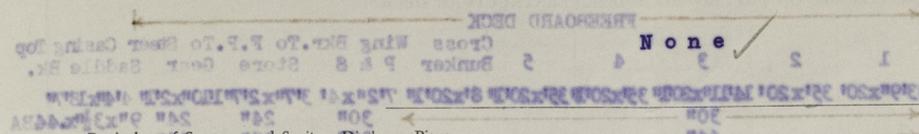
- 1 @ 10" dia., cmg. 36" x .34" to F. P. store.
 - 6 @ 24" dia., cmg. 36" x .40" to cargo space.
 - 4 @ 36" dia., cmg. 23" x .44" to cargo space on mast house.
 - 2 @ 18" dia., cmg. 10'-7" x .37" to cargo space, efficiently stayed to deck house.
 - 2 @ 6" dia., cmg. 36" x .38" to tween deck cabin store.
 - 3 @ 18" dia., cmg. 36" x .37" to cargo spaces.
 - 2 @ 12" dia., cmg. 36" x .34" to deep tank.
 - 2 @ 12" dia., cmg. 36" x .38" to cargo spaces.
 - 1 @ 12" dia., cmg. 36" x .36" to after tunnel escape.
 - 2 @ 10" dia., cmg. 36" x .36" to after accommodation.
 - 7 @ 6" dia., cmg. 36" x .38" to after accommodation.
 - 1 @ 10" dia., cmg. 36" x .36" to steering space.
 - 2 @ 6" dia., cmg. 36" x .38" to tonnage well.
 - 4 @ 6" dia., cmg. 36" x .38" to gunnery crew space aft.
 - 2 @ 12" x 4" gooseneck 36" to opg. to tween deck bunkers.
- All ventilators fitted with wood plugs and canvas covers.

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

- To peaks and double bottom tanks, 3", 2-1/2" x 2" dia., opening 30" above deck.
 - To fresh water tanks built in below freeboard deck, 1-1/2" dia., opening 18" above deck, port aft, and 1-1/2" dia., opening 18" above deck, starboard amidships, and 30" above deck port amidships.
 - To deep tanks (lp. and ls.) 6" dia., opening 30" above deck, abaft engineers' house.
 - To rudder trunk space, 2" dia., opening 30" above deck.
 - To W.C. overboard discharge pipe in tonnage well, 1 s., 1-1/2" dia., opening 15" above deck.
- All air pipes fitted with wood plugs.

FORT VERMILLION

Particulars of Gangway Cargo and Coaling Ports:—



Particulars of Scuppers and Sanitary Discharge Pipes:—

Sanitary discharges from spaces above the freeboard deck fitted with brass automatic non-return storm valves at ship's sides.

Sanitary discharges from tonnage well below freeboard deck aft fitted with double brass automatic non-return storm valves at ship's side which are always accessible for examination under service conditions.

All sanitary discharges are situated above the level of the second deck.

Scuppers from the cabin store and refrigerated chambers (enclosed spaces) on the second deck amidships discharge overboard immediately below the second deck having a brass automatic non-return storm valve fitted at ship's side, 1 Port and 1 Starboard, and a brass screw down valve adjacent to each storm valve, operated from an accessible position on the upper deck.

Drain from enclosed space below second deck enclosing rudder trunk drains into rudder trunk through a brass automatic non-return valve and a brass screw down valve operated from an accessible position on the upper deck.

Particulars of Side Scuttles:—

To accommodation and steering gear spaces below freeboard deck aft, 10" dia., strongly constructed with brass frames and hinged steel deadlights.

To deck houses on freeboard deck, 16" & 12" dia., strongly constructed with brass frames and hinged cast iron deadlights.

Vertical distance of sill of lowest Side Scuttle above top of keel. Side scuttles, fitted below freeboard deck, aft only.

Vertical distance of sill of lowest side scuttle, 63'-7 1/2" fwd. of A. P., 36'-1" above top of keel.

Particulars of Guard Rails:—

Strongly constructed steel bulwarks, efficiently stayed, fitted on freeboard deck for about 46 ft. at fore end and abreast midship houses. Elsewhere on freeboard deck, strong steel stanchions 3'-6" in height, spaced about 5 ft. apart, with 3 rails and efficiently stayed to deck.

Particulars of Gangways, Lifelines, etc:—

Provision made for rigging lifelines on each side of vessel between the fore peak store hatch and midship deck houses, between midship deck houses and from engineers' deck house to after accommodation.

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 Amidships | 126'-10" | 3'-6" | 3'-0" x 9" | 4 | 9 sq. ft. | X |
| Forward Well | X | | | | | |

State position of each freeing port ... (After Well) Amidships:— From forward end of Bulwark to forward end of Freeing Ports:— 43'-2", 61'-2", 72'-10", 86'.

(F. and A. position and height above deck edge) Height above deck edge:— 9-1/2"

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. X

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

| HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS. | | | | | | | | | | |
|--|----------------------|-------------------|----------------|----------------------------------|----------------|----------------|------------|---------------|---------------|-----------------------|
| FREEBOARD DECK | | | | | | | | | | |
| Description of Hatchway | 1 | 2 | 3 | 4 | 5 | Cross Bunker | Wing P & S | To F.P. Store | To Steer Gear | Casing Top Saddle Bk. |
| Dimensions of Hatchway | 33'9" x 20' | 35' x 20' | 14'11" x 20' | 35' x 20' | 35' x 20' | 8' x 20' 1" | 7'2" x 4' | 3'7" x 2'7" | 1'10" x 2'0" | 4'4" x 18'7" |
| COAMINGS | Height above Deck | | 30" | | | | 30" | 24" | 24" | 9" x 3 1/2" x 44BA |
| | Thickness | Sides | | .44" | | | .38" | .38" | .38" | X |
| | | Ends | | .44" | | | .38" | .38" | .38" | X |
| | Stiffeners | BA 8 x 3 1/2 x 44 | 9 x 3 1/2 x 44 | 7 x 3 x 38 | 9 x 3 1/2 x 44 | 8 x 3 1/2 x 44 | 7 x 3 x 38 | X | X | X |
| Brackets, Stays | Sides 4P 4S | 3P 4S | 2P 2S | 4P 4S | 4P 4S | 2S | X | X | X | |
| HATCH BEAMS | Number Spacing | 5 67 1/2" | 5 70" | 2 70" | 5 70" | 5 70" | 1 48" | | | |
| | Scantling and Sketch | | | | | | | | | |
| | Bearing Surface | | | Web plates 18 1/2" x .34 | | | | X | X | X |
| FORE AND AFTERS | Number Spacing | | | | | | | | | |
| | Unsupported Lengths | | | | | | | | | |
| | Scantling and Sketch | X | X | X | X | X | X | X | X | X |
| HATCH COVERS | Material | | | | | BC Fir 3" | | Steel .25 | | BC Fir 3" |
| | Thickness | | | | | | | | | |
| | How fitted | | | F & A | | | Athw. 3" | Hinging | | F & A 3" |
| | Bearing Surface | | | 3" at hatchway ends, 5" on beams | | | | X | X | |
| Spacing of Cleats | | | | | 24" | | | Toggles 6 | | 24" |
| Number of Tarpaulins | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | | 2 |

*Are wood fore and afters steel shod at all bearing surfaces? **X**
 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:—

This ship is of the closed shelter deck type, the tonnage opening abaft No. 5 hatchway being closed watertight by a riveted steel plate efficiently supported by 2 fore and aft beams and one athwartship beam in way of companion.

Skylight on Freeboard Deck at forward end of after deck house to Crew's accommodation, of steel, strongly constructed, 3'-1" x 3'-7" with coaming 18" high x .26 thk. with steel hinging weathertight covers.

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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