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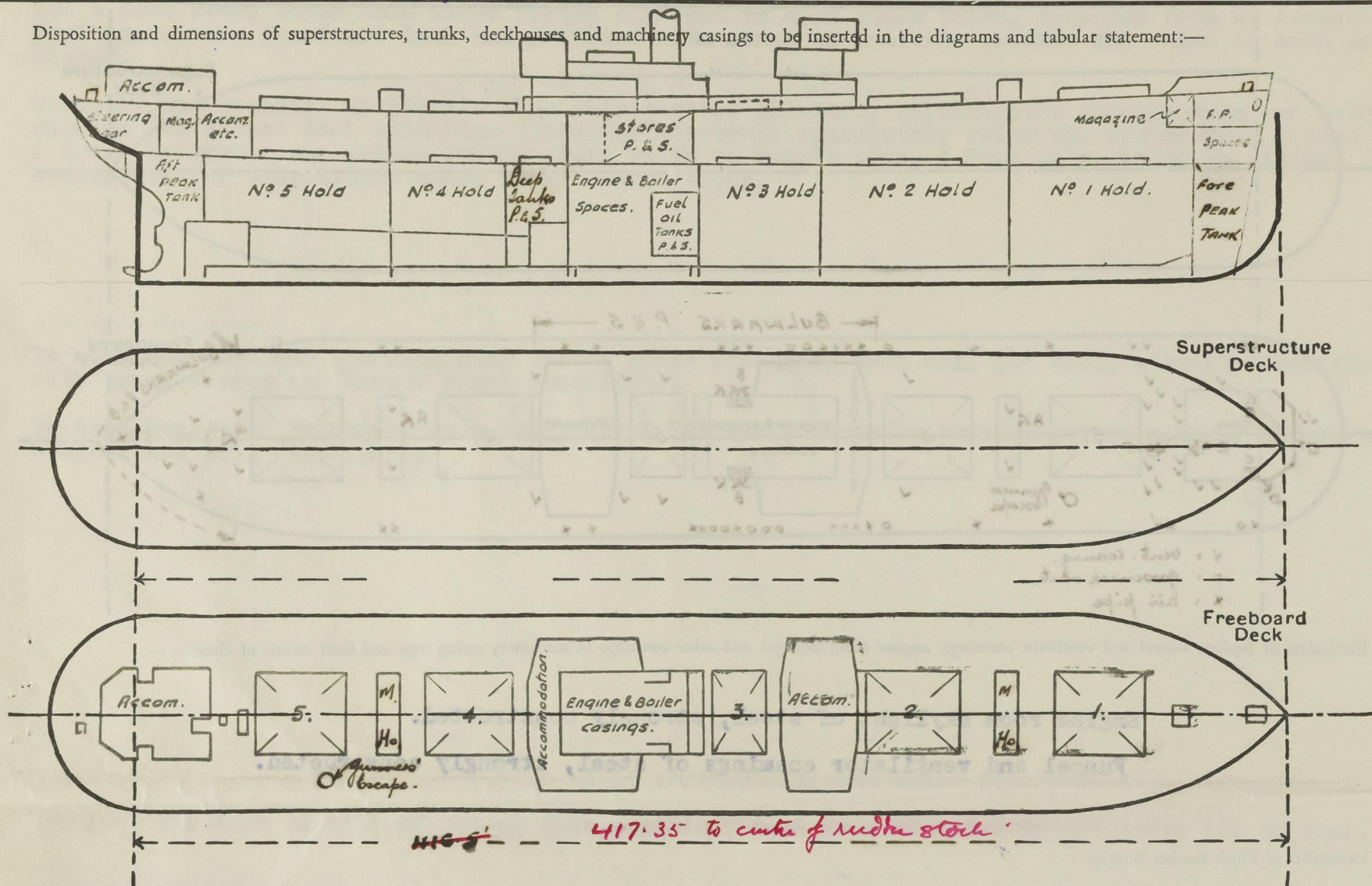
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name ~~MEWATA PARK~~ **HARMAC CROFTON** Port of Survey **North Vancouver, B.C.**  
 Official Number **175361** Surveyor's Signature *M. J. Hunter and Sinclair*  
 Nationality and Port of Registry **British Montreal, P.Q.** Date of Survey **January, 1944.**

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 Ins.	Plating Ins.	Stiffeners Ins.	Spacing Ins.	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				(Ends E.W. Conn'd Bkts. on Ev. 2nd Stiff. Top & Btm.)			
Bridge, Forward Bulkhead ...	X	.31	5x3 F.B. & 3 Webs	16" to 20" Crs.		None	X	7'-6"
Forecastle Bulkhead ...	X							
Trunk, After Mast Houses ...	X	.38	5x3x.38 OA & Div. Bhd.	30"	Bracketted Top & Btm.	5'0"x2'0"	18"	7'-6"
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	X	.31 & .38	3x3x.31 OA	30"	None-Cont. at bottom	4'7"x3'6" & 4'7"x2'1"	24"	10'-6"
Exposed Machinery Casings on Superstructure Decks ...								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	X							
Deckhouses on Flush Deck Ships ...	X	.25 to .31	3x.38 & 5x.38 F.B.	30"	Bracketted Top & Btm.	See Companionways		7'-6"

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

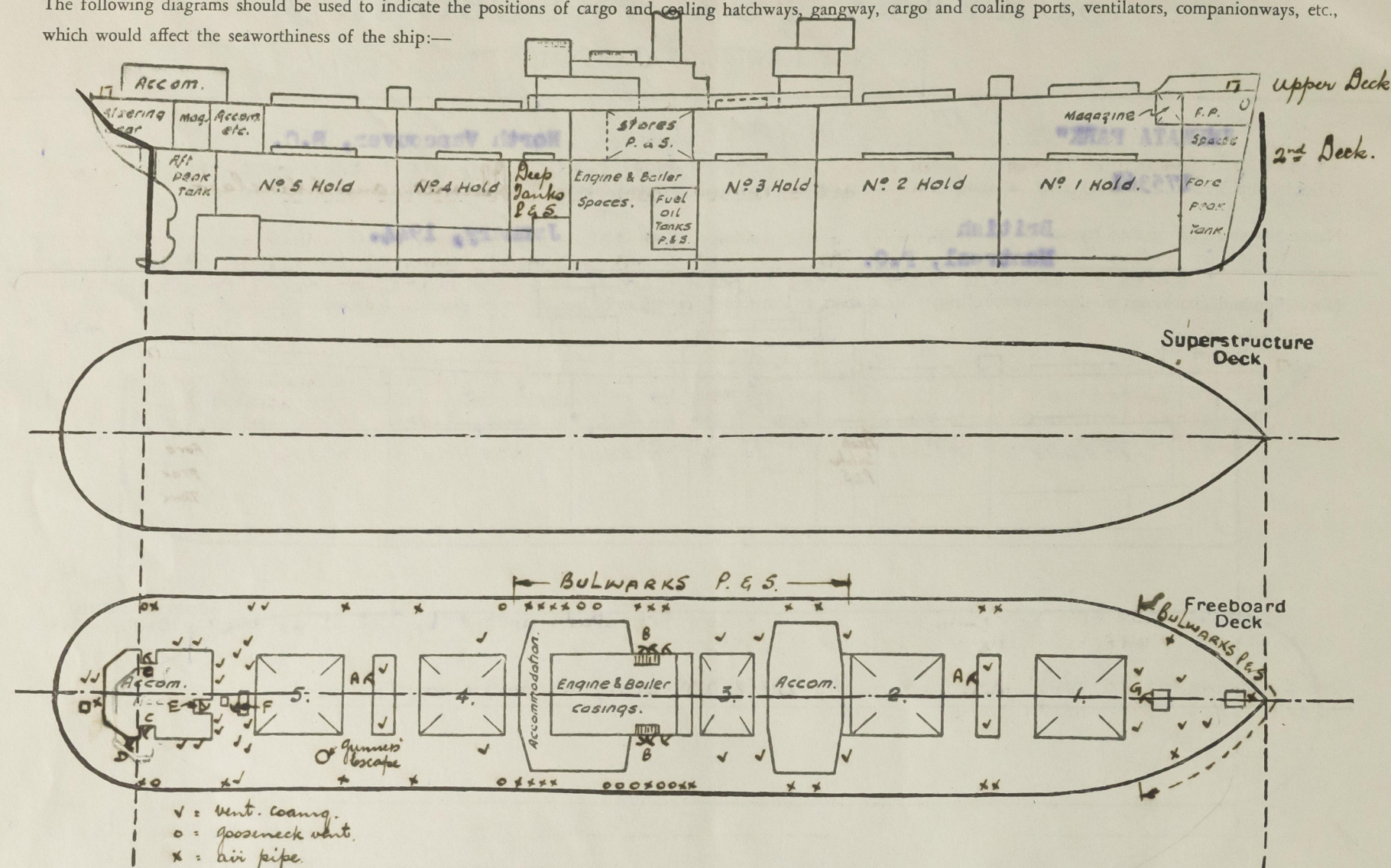
Poop Bulkhead ...	X
Raised Quarter Deck Bulkhead ...	X
Bridge, After Bulkhead ...	X
Bridge, Forward Bulkhead ...	No openings
Forecastle Bulkhead - Mast Houses	Hinged Steel W.T. doors, manipulated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	Hinged steel doors, manipulated 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.



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## 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 of steel, strongly constructed.

Particulars of Flush Bunker Scuttles:—

None

Particulars of Companionways:—

- "A" Opg. 5' x 2' cmg. 18" with hinged steel watertight door to hold escape trunk in mast house.
  - "B" Opg. 4'7" x 3'8" cmg. 24" with double steel hinged doors to Steward's Stores.
  - "C" Opg. 4'4" x 2'1" cmg. 23" with hinged solid hardwood door to after deck house enclosing companionway to accommodation spaces.
  - "D" Opg. 4'7" x 2'1" cmg. 24" with hinged steel door to steering gear compartment.
  - "E" Opg. 4'9" x 2'0" cmg. 23" with hinged steel watertight door to shaft tunnel escape trunk.
  - "F" Opg. 4'0" x 1'10" cmg. 25" with hinged solid hardwood door to strong steel companionway to after accommodation spaces.
  - "G" Opg. 5' x 2' cmg. 24" with hinged steel watertight door to ammunition magazine fwd.
- Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—
- 4 @ 36" dia., cmg. 23" x .44" to cargo spaces, (on mast house tops)
  - 6 @ 24" dia., cmg. 36" x .44" to cargo spaces.
  - 2 @ 18" dia., cmg. 10'6" x .44" to cargo spaces, efficiently stayed.
  - 4 @ 18" dia., cmg. 36" x .44" to cargo spaces.
  - 2 @ 18" dia., cmg. 36" x .44" to after accommodation.
  - 6 @ 12" dia., cmg. 36" x .34" 2 to cargo spaces, 2 to after accommodation, 1 to after magazine, 1 to after tunnel escape trunk.
  - 4 @ 10" dia., cmg. 36" x .34" 2 to after magazine, 1 to F.P. stores, 1 to steering gear compartment.
  - 2 @ 8" dia., cmg. 36" x .50" to forward magazine.
  - 8 @ 6" dia., cmg. 36" x .40" to after accommodation.
  - 4 @ 6" dia., gooseneck, 36" to opg., 2 to midship 'tween deck stores, 2 to after magazine cofferdams.
  - 3 @ 12" x 4", gooseneck, 36" to opg., to midship 'tween deck stores.

All ventilator coamings fitted with wood plugs and canvas covers.

All gooseneck type ventilators fitted with wood plugs.

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

- To peaks and double bottom tanks, 3½", 3" and 2½" dia., openings 19" above deck, fitted with "Varec" type automatic inverted sea check valves at openings.
- To oil fuel settling tanks, 1 Port 6" dia., 1 Starboard 4" dia., openings 30" above deck.
- To midship (1P & 1S.) and forward (2P & 2S) deep tanks, 5" dia., openings 30" above deck.
- To fresh water tanks midships (1P & 1S.) 2" dia., openings 30" above deck.
- To rudder trunk, 2" dia., opening 28" above deck.
- To soil pipes from crew's accommodation below freeboard deck aft, (1P & 1S) 1½" dia. opening 18" above deck.

All the foregoing air pipes fitted with wood plugs except those fitted with "Varec" valves.

Particulars of Gangway Cargo and Coaling Ports:—

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None

Particulars of Scuppers and Sanitary Discharge Pipes:—

Sanitary discharges from spaces above freeboard deck fitted with cast steel automatic non-return storm valves at ship's sides which are situated above the level of the second deck.

Scuppers and sanitary discharges from accommodation below freeboard deck aft discharge overboard immediately below the second deck, through cast steel automatic non-return valves at ship's sides and a cast steel screw down valve fitted adjacent to each storm valve, operated from an accessible position on the freeboard deck and provided with means to indicate whether the valve is open or closed.

Scuppers and sanitary discharges from refrigerated chambers, refrigerator machine room and butcher's shop on the second deck amidships discharge overboard immediately below the second deck fitted with a brass automatic non-return double storm valve at Ship's side, 1 Port only, which is always accessible for examination under service conditions.

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" & 10" 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 91'-2" fwd. of A.P., 35'-3" 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	129'-10"	3'-6"	3'-0" x 9"	4	9 sq. ft.	x
Forward Well						

State position of each freeing port ... { After Well— Amidships— From forward end of bulwark to forward end of freeing ports:— 43'-2", 55'-1", 76'-4", 94'-2"

(F. and A. position and height above deck edge) { Forward Well:— Height above deck edge:— 9½"

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



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## PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD <del>AND SUPERSTRUCTURE</del> DECKS.									
Description of Hatchway	No. 1	No. 2	No. 3	No. 4	No. 5	To F.P. Store	To Steer Gear	Gunner's Escape	
Dimensions of Hatchway	33'9"x20'	35'x20'	20'x20'	35'x20'	35'x20'	3'7"x2'7"	1'10"x2'1"	2'0"Dia.	
COAMINGS	Height above Deck		38"			24"	24"	9"	
	Thickness { Sides			.44"		.38"	.38"		
	Ends			.44"		.38"	.38"		
	Stiffeners	7x3 1/2 x .32	9x3 1/2 x .44	7x3 1/2 x .32	9x3 1/2 x .44	7x3 1/2 x .32			.34"
Brackets, Stays	6"x4"OA	P B FIA	P B F	P B FIA	P B FIA	X	X	X	
HATCH BEAMS	Number	5	5	3	5	5			
	Spacing	67 1/2"	70"	60"	70"	70"			
	Scantling and Sketch								
	Bearing Surface			Web plates 18 1/2" x .34"					
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling and Sketch								
HATCH COVERS	Material		B.C. Fir			Steel			
	Thickness		3"			.25"		.18"	
	How fitted		F & A			Hinging			
	Bearing Surface		5" on beams, 3" at hatchway ends			W.T.			
Spacing of Cleats			24"			Toggles		Strongback	
Number of Tarpaulins			2			6	5	Efficiently Secured	
*Are wood fore and afters steel shod at all bearing surfaces? <b>X</b> Are battens and wedges efficient and in good condition? <b>Yes</b> Are tarpaulins in good condition and in accordance with rule requirements? <b>Yes</b> Are lashings provided in accordance with rule requirements? <b>Yes</b>									

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.

Skylight on Freeboard Deck at forward end of after deck house to Crew's Accommodation of steel, strongly constructed, 3'-6" x 2'-7" with coaming 17" high x .25" 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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