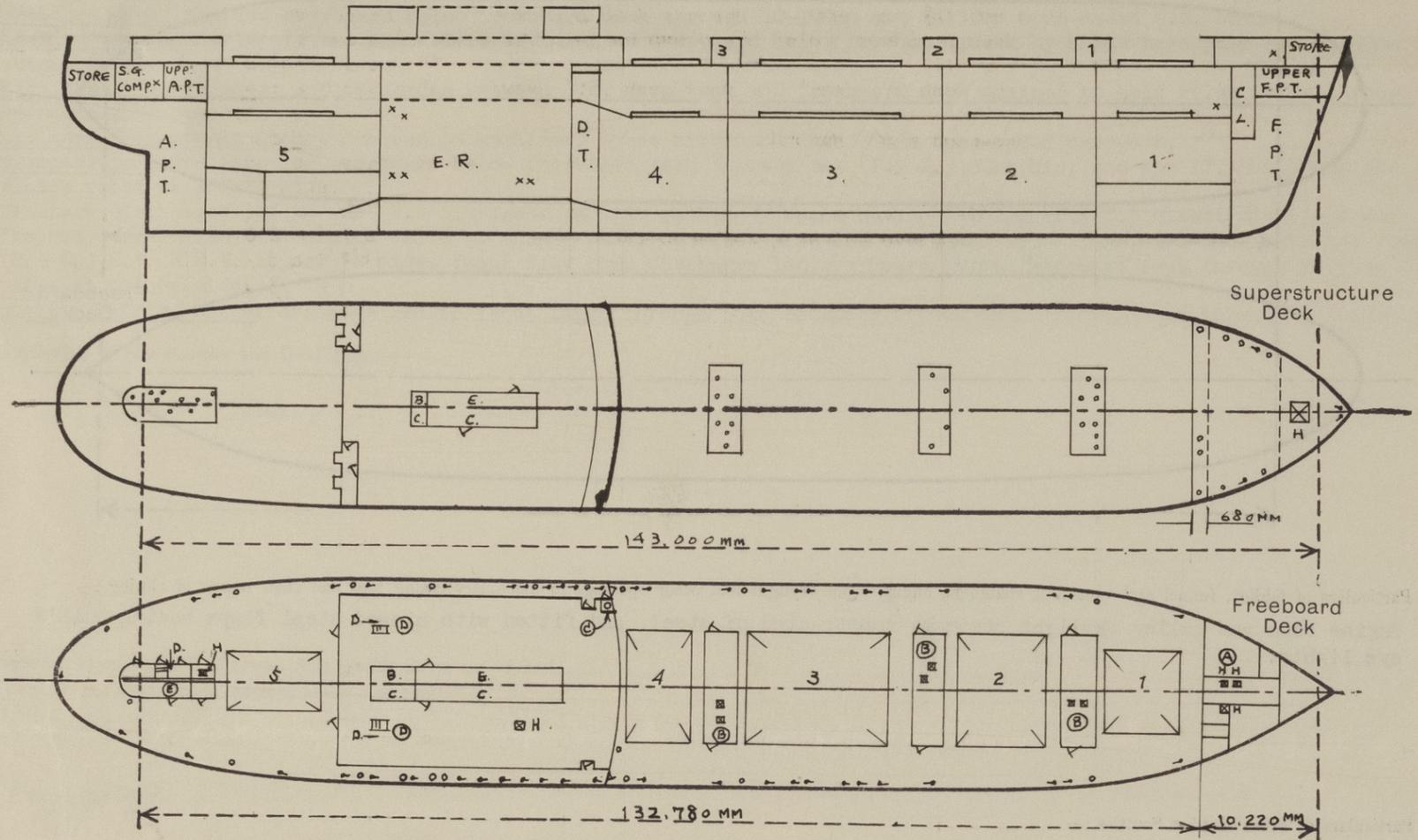


SURVEYS FOR FREEBOARD
(CONDITIONS OF ASSIGNMENT)

Ship's Name "OXOTCK" (OKHOTSK) Port of Survey Osaka, Japan
 Official Number - Surveyor's Signature S. Noguchi
 Nationality and Port of Registry U.S.S.R. Vladivostok Date of Survey During construction

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



Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming mm	Plating mm	Stiffeners mm	Spacing mm	End Attachments of Stiffeners	Size of Openings mm	Height of Sills mm	Height, Beam to Beam mm
Bridge deck house on up.dk. Pop. Bulkhead aft. front bhd.	10.0	10.0	290x90x9/14 I.A.	700	Welded	2-1700x700	230	2,600
Bridge dk. house on up.dk. Raised Quarter Deck Bulkhead aft, aft bhd.	8.0	8.0	125x75x7 I.A.	730/750	Welded	2-1600x700	380	2,600
Bridge, After Bulkhead Dk. house side	9.0	9.0	125x75x7 I.A.	800	Bracket top	1-1500x600	610	2,600
No.1 Aux. Mach. dk. house	12.0/8.0	12.0/8.0	200x90x9/14 I.A.		Welded btm.	2-1600x700	380	
Bridge, Forward Bulkhead			125/100x75x7 I.A.	950/600	Welded	1-1500x600	610	2,500
Forecastle Bulkhead	8.0	8.0	100 x 10 F.B.	700	Sniped top	3-1600x600	1-350	2,300
No.2 Aux. Mach. house			300x90x17 I.A.		Welded btm.	2-1600x700	380	
Trunk, Pop. Bulkhead ...	10.0/8.0	10.0/8.0	200x90x9/14 I.A.	800/786	Welded	2-1500 x 600	610	2,500
No.3 Aux. Mach. house			200x90x9/14 I.A.		Welded	2-1500 x 600	610	2,500
Trunk, Forward	10.0/8.0	10.0/8.0	200x90x9/14 I.A.		Welded	2-1500 x 600	610	2,500
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	-	-	125/100x75x7 I.A.	800/700	-	-	-	-
Exposed Machinery Casings on Superstructure Decks	-	-	-	-	-	-	-	-
Machinery Casings within Superstructure not fitted with Class I Closing Appliances	6.0	6.0	6 x 60 F.B.	800	-	2-1700x700	230	2,600
Deckhouses and Pump Room Entrances Bhd.	10.0	10.0	150x90x9 I.A.	750	Welded	3-1600x600	380	
" " " " " aft	9.0	9.0	125x75x7 I.A.	610	Welded	2-1500x600	610	2,300
						1-1600x700	380	

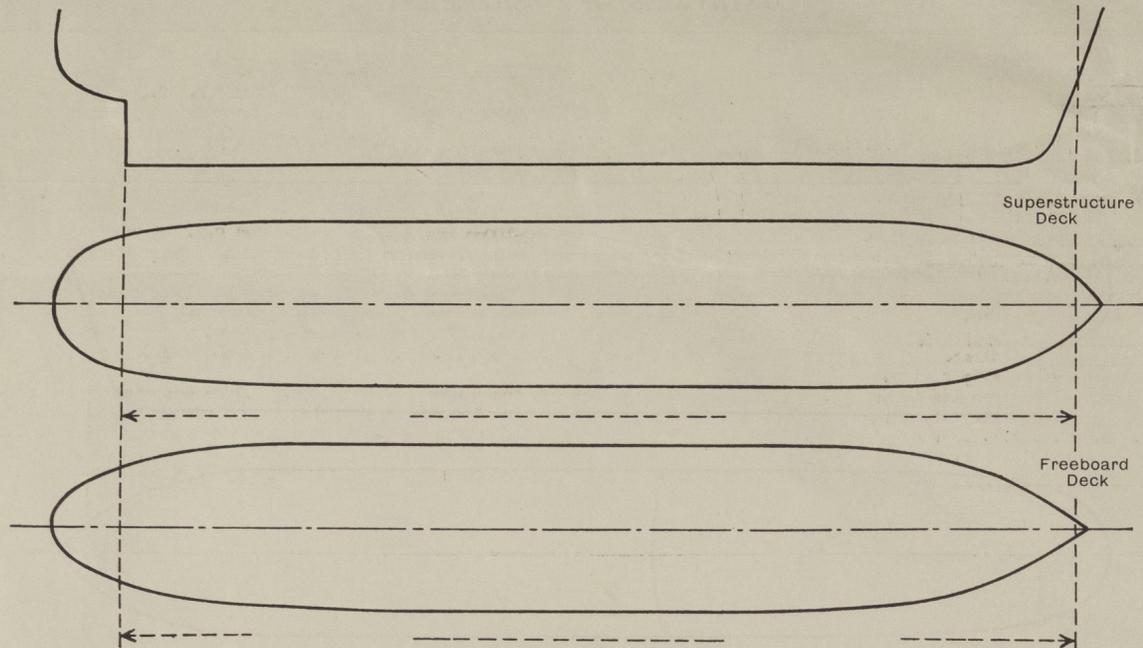
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Bridge dk.house on upp.dk, Pop. Bulkhead front bhd.	Hinged steel non W/T doors (to open passage) O.B.S. Class 2.	✓
Bridge dk. house on upp.dk. Raised Quarter Deck Bulkhead aft bhd.	Hinged steel W/T doors, operable both sides	Class 1. ✓
Bridge, After Bulkhead sides	Hinged steel W/T doors, operable both sides	Class 1. ✓
No.1 aux. mach. house	Hinged steel W/T doors, operable both sides	Class 1. ✓
Bridge, Forward Bulkhead	Hinged steel W/T doors, operable both sides	Class 1. ✓
Forecastle Bulkhead	Hinged steel W/T doors, operable both sides	Class 1. ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	No.2 aux. mach. house	
Exposed Machinery Casings on Superstructure Decks	No.3 aux. mach. house	Hinged steel W/T doors, O.B.S. Class 1 ✓
Machinery Casings within Superstructure not fitted with Class I Closing Appliances	Hinged steel non -W/T doors, O.B.S.	Class 2. ✓
Deckhouses and Pump Room Entrances on upp. dk. aft	Hinged steel W/T doors, operable both sides.	Class 1. ✓

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

Particulars of Gangway Cargo and Coaling Ports :-

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, side scuttles, scuppers, 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 and galley skylight strongly constructed of steel, and fitted with hinged steel flaps having bull's eye lights.

Particulars of Flush Bunker Scuttles :-

None.

Particulars of Companionways :-
(including those incorporated in deckhouses and masthouses)

A) Access to duct keel, No.1 cargo spaces and ch. locker enclosed in F'cle having steel hinged W/T door 1600x700x380 sill. Hatch ways have 230 sill and steel W/T covers.

C) Access hatch to No.4 cargo spaces enclosed in strong steel deck house having steel hinged W/T door 1500x600x610 sill. Hatchway has 230 sill & steel W/T cover.

D) Companion way to prov. store rooms incorporated in strong steel deck house having steel hinged W/T doors 1600x700x380 sill. Additional protection afforded to companion ways by

E) Companion way to St. gear compartment & access to No.5 cargo space incorporated in strong steel deck house having steel hinged W/T door 1500x600x610 sill. Hatchway has 230 sill and steel W/T cover.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :-
F'cle dk. 5-150mm M.V., 7.5mm thick x 915mm high.
2-150x75 G.N.V., 7.5mm thick x 915mm high.

No.1 Aux. Mach. house top
2-800mm M.V. 10mm thick x 760mm high.
3-650mm M.V. 10mm thick x 760mm high.
2-150mm M.V. 7.5mm thick x 300mm high.
1-550mm C.V. 10mm thick x 1,200mm high.
No.2 Aux. Mach. house top
1-400mm M.V. 10mm thick x 760mm high.
2-150mm M.V. 7.5mm thick x 300mm high.
1-650mm C.V. 10mm thick x 1200mm high.
No.3 Aux. Mach. house top
2-850 M.V. 10mm thick x 760mm high.
2-800 M.V. 10mm thick x 760mm high.
1-150 M.V. 7.5mm thick x 300mm high.
1-750 C.V. 10mm thick x 1200mm high.
1-650 C.V. 10mm thick x 1200mm high.

Aft deck house top
2-650 M.V. 10mm thick x 760mm high.
2-250 M.V. 8mm thick x 610mm high.
1-250 M.V. 8mm thick x 300mm high.
3-150 M.V. 7.5mm thick x 300mm high.
1-550 C.V. 10mm thick x 760mm high.
Upper deck
1-650 M.V. 10mm thick x 1200mm high.
1-450 M.V. 10mm thick x 915mm high.
1-200 M.V. 7.5mm thick x 915mm high.
5-150 M.V. 7.5mm thick x 915mm high.

Closing appliances

Mushroom Vents by steel screwed W.T. cover.
Cowl Vents coamings supplied with wood plugs and canvas cover.

Note:- Ventilator coamings above 915mm high efficiently supported.

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

F'cle deck 2-80mm dia. x 760mm high.
2-100mm dia. x 760mm high.

Freeboard Deck
3-50mm dia. x 915mm high.
23-80mm " " " "
13-100mm " " " "
4-130mm " " " "
7-160mm " " " "

Air pipes have screwed W.T. mushroom heads
Sniffer holes drilled in coamings.
Air pipes to O.F. tanks have wire gauze fitted.

None

Particulars of Scuppers and Sanitary Discharge Pipes :-

F'cle dk.: drained, to freeboard deck through one (P.& S.) 80mm/m scupper with open-ended pipe.

F'cle Spaces: Bo'sun's store drained to CO2 control room and to carpenter's shop through 1-50mm (P.& S.) drain hole fitted with screwed brass plug permanently attached by chain. CO2 room, carpenter's shop and chain locker drained by bilge eductor having 50mm discharge led overboard above freeboard deck with C.S. N.R.V. at ship's side. Sanitary discharge and drain from fo'cle W.C. led overboard below freeboard deck through 100mm M.S. N.R.V. at ship's side. Remaining fo'cle space drained to freeboard deck through 25mm drain holes having screwed brass plugs with keep chain.

Aux. Machy. Deck houses: (Three in number) and small deck house aft, on upperdeck, drained to freeboard deck through 25mm drain holes having screwed brass plugs with keep chain.

Freeboard deck: drained overboard below freeboard deck through 10-100mm and 2-130mm open-ended C.S. bends.
Steering gear compartment; and rope store aft drained overboard below freeboard deck by bilge have pump having 50mm C.S. automatic N.R.V. at ship's side.

Cargo tween deck spaces; and cofferdam between O.F. deep tank and freeboard deck drained to hold bilge wells through 70mm open-ended scuppers.

Machinery space tween decks; drained to machinery space bilges through 50mm/m open-ended scuppers.

Accommodation; drainage led overboard below freeboard deck through one (P.& S.) 80mm dia. and one (P.&S.) 100mm dia. C.S. sluice valve at ship's side.

Sanitary discharges led to one (P.& S.) fecal tank in machinery space having 1-160mm (P.& S.) direct discharge over board below freeboard deck with C.S. sluice valve at ship's side; overflow pipe led overboard below freeboard deck with one 70mm dia. (P.& S.) M.S. N.R.V. at ship's side. Fecal tank pump discharge led overboard below freeboard deck through 1-130mm C.S. sluice valve at ship's side.

Domestic Refrig. store; drainage led to fecal tanks through 50mm scuppers having syphone traps and through 1-70mm M.S. N.R.V.

Particulars of Side Scuttles and Deadlights :-

None.

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

Distance from amidships to centre of lowest Side Scuttle

Particulars of Guard Rails and Bulwarks :-

F'cle deck Plated bulwark 1100mm high x 12mm thick with 180 x 9.5 B.P. top rail. Plate stiffeners 1600mm apart.
Four guard rails at aft end with stanchions 1100mm high, spaced 1200 mm apart.

Freeboard deck Plated bulwark 1150mm high x 7mm thick with 180 x 9.5 B.P. top rail. Plate stiffener 1600mm apart.

Particulars of Gangways, Lifelines, etc. :-

Provision made for fitting S.W.R. lifelines in forward and after wells, port and starboard.

Particulars of Freeing Arrangements.

	Length of Bulwark M	Height of Bulwark mm	Size of Freeing Ports mm	Number each side	Area each side	Rule area each side
After Well to Fr. 29 ...	40.52	1,150	3,150 x 230 2,390 x 230 ✓	2 2	2.55 M ²	2.51 M ²
Forward Well Fr. 61-173.	86.24	1,150	55,200 x 230 3,150 x 230 ✓ 2,690 x 230 ✓	1 2 1	14.77 M ²	5.30 M ²

State position of each freeing port ... (After Well :- Frs. 2/4, 6/10, 12/16 and 18/22, All F.P's. 320mm above deck.

(F. and A. position and height above deck edge) (Forward Well :- Continuous from frame 61 to fr. 130, frs. 134/138, 142/146, 150/154 All F. P's. 320mm above deck.)

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :-

Open. ✓

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.								
Exposed on freeboard deck							Fore'sle deck	
Description of Hatchway	No.1	No.2	No.3	No.4	No.5	Store aft.	Store For'd.	
Dimensions of Hatchway	10,200 x 7,000	11,200 x 11,000	13,200 x 11,000	11,200 x 11,000	9,600 x 8,000	590x590	1,200 x 1,200	
COAMINGS	Height above Deck	1,250	1,250	750	1,250	1,250	610	
	Thickness { Sides	12.7	12.7	12.7	12.7	12.7	11	
	Ends	12.7	12.7	12.7	12.7	12.7	11	
COAMINGS	Stiffeners/Brackets, Stays (Thickness x spacing)	Sides... 10x2040 Ends... 10x2333	10x2240 10x2750	10x2320 10x2750	10x2240 10x2750	10x2400 10x2667	- -	
	HATCH BEAMS	Hydraulically operated MacGregor hinged-type W/T steel hatch covers fitted in 4 (8 at No.3) sections. Top plating 8mm (9mm at No.1), side and end plating 10mm. Each section stiffened with continuous transverse webs, 8mm thick with 16mm or 19mm F.B. and spaced 680/800mm apart, and 5 longitudinal webs 8mm thick with 16mm or 19mm F.B.					None	Hinged steel W.T. cover 8mm thick, stiffened by 2-75x9 F.B. and secured by 8 toggles.
FORE AND AFTERS	Number ...						None	Inspection manhole, 580mm dia. 200mm coaming with 6mm W.T. steel cover, secured by 4 toggles.
	Spacing ...						None	
FORE AND AFTERS	Unsupported Lengths						None	
	Scantling* and Sketch	Covers and coamings constructed in accordance with approved plans.					None	
HATCH COVERS	Bearing Surface						Steel 6	
	Material ...						Hinged Secured	
HATCH COVERS	Thickness ...						W.T. by 5 toggles.	
	How fitted							
HATCH COVERS	Bearing Surface	Side cleats.						
	Cross joint wedges							
Spacing of Cleats	990	990	990	990	880			
Number of Tarpaulins	Rising pieces fitted in way of cross joint wedges.							
*Are wood fore and afters steel shod at all bearing surfaces? - Are battens and wedges efficient and in good condition? - Are tarpaulins in good condition and in accordance with rule requirements? - Are lashings provided in accordance with rule requirements? - Are wood covers fitted with galvanised end bands? -								

Spacing of cleats fitted to secure steel hatch covers at Nos 1-5 hatchways: - 400-990mm at sides, 930-990 " at ends.

Particulars of any special features:— (Timber Deck-cargo Fittings, Skylights, Sewage Systems, Ash Ejectors, Rubbish Shoots, etc.)