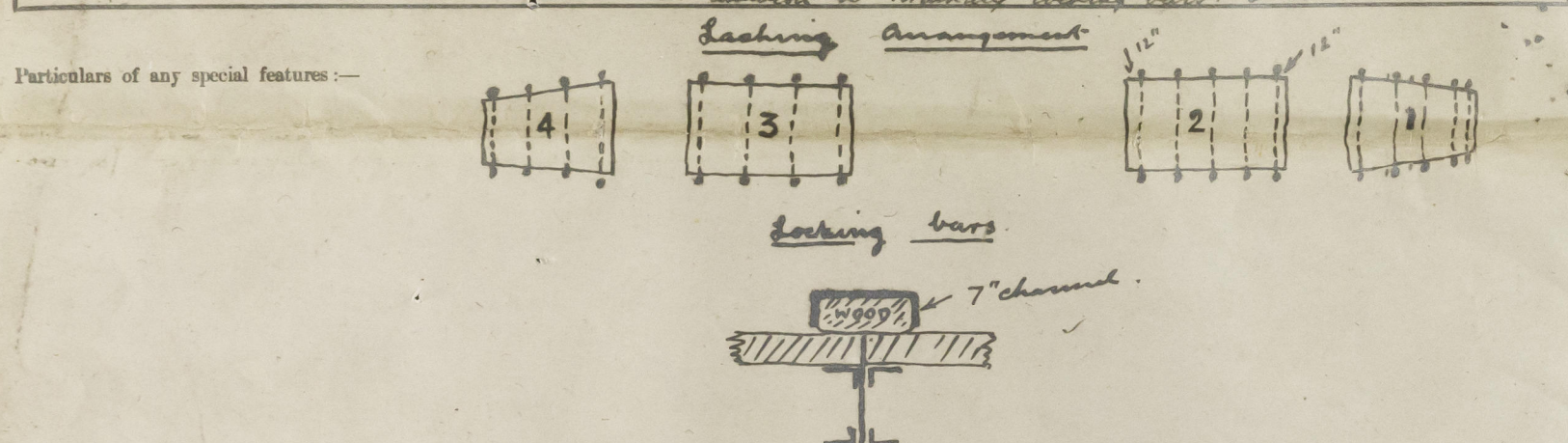


PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
← UPPER DECK → R.O.D.K. → UPPER D. → R.O.D.K. →										
Description of Hatchway	No 1	No 2	No 3	No 4	No 5	No 6	No 7	No 8	No 9	No 10
Dimensions of Hatchway	31'9" x 22'5" 2/20"	42'9" x 25'5"	33'9" x 25'5"	35'9" x 24'9" 2/20"	31'9" x 31'0"	21'0" x 21'0"	21'3" x 21'6"	21'0" x 21'0"	21'0" x 21'0"	21'0" x 21'0"
COAMINGS										
Height above Deck	51"	51"	51"	51"	9'0" 1/2 x 3'0"	18"	34"	18"	34"	24"
Thickness	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Stiffeners	4" x 1/2"	4" x 1/2"	4" x 1/2"	4" x 1/2"	4" x 1/2"	4" x 1/2"	4" x 1/2"	4" x 1/2"	4" x 1/2"	4" x 1/2"
Brackets, Stays	7" x 3/4"	8" x 1/2"	8" x 1/2"	7" x 3/4"	7" x 3/4"	7" x 3/4"	7" x 3/4"	7" x 3/4"	7" x 3/4"	7" x 3/4"
HATCH BEAMS										
Number	6	7	5	5						
Spacing	5'5"	5'5"	5'11"	5'11"						
Scantling and Sketch	2 1/2" x 3 1/2"	2 1/2" x 3 1/2"	1 3/4" x 3 1/2"	1 3/4" x 3 1/2"						
Bearing Surface	4 1/2"	4 1/2"	4 1/2"	4 1/2"						
FORE AND AFTERS										
Number										
Spacing										
Unsupported Lengths										
Scantling and Sketch										
Bearing Surface										
HATCH COVERS										
Material	wood	wood	wood	wood	wood	wood	wood	wood	wood	wood
Thickness	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
How fitted	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.	F.A.
Bearing Surface	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
Spacing of Cleats	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
Number of Tarpaulins	2	2	2	2	2	2	2	2	2	2



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.

Rpt. C.11.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. No. 19092.

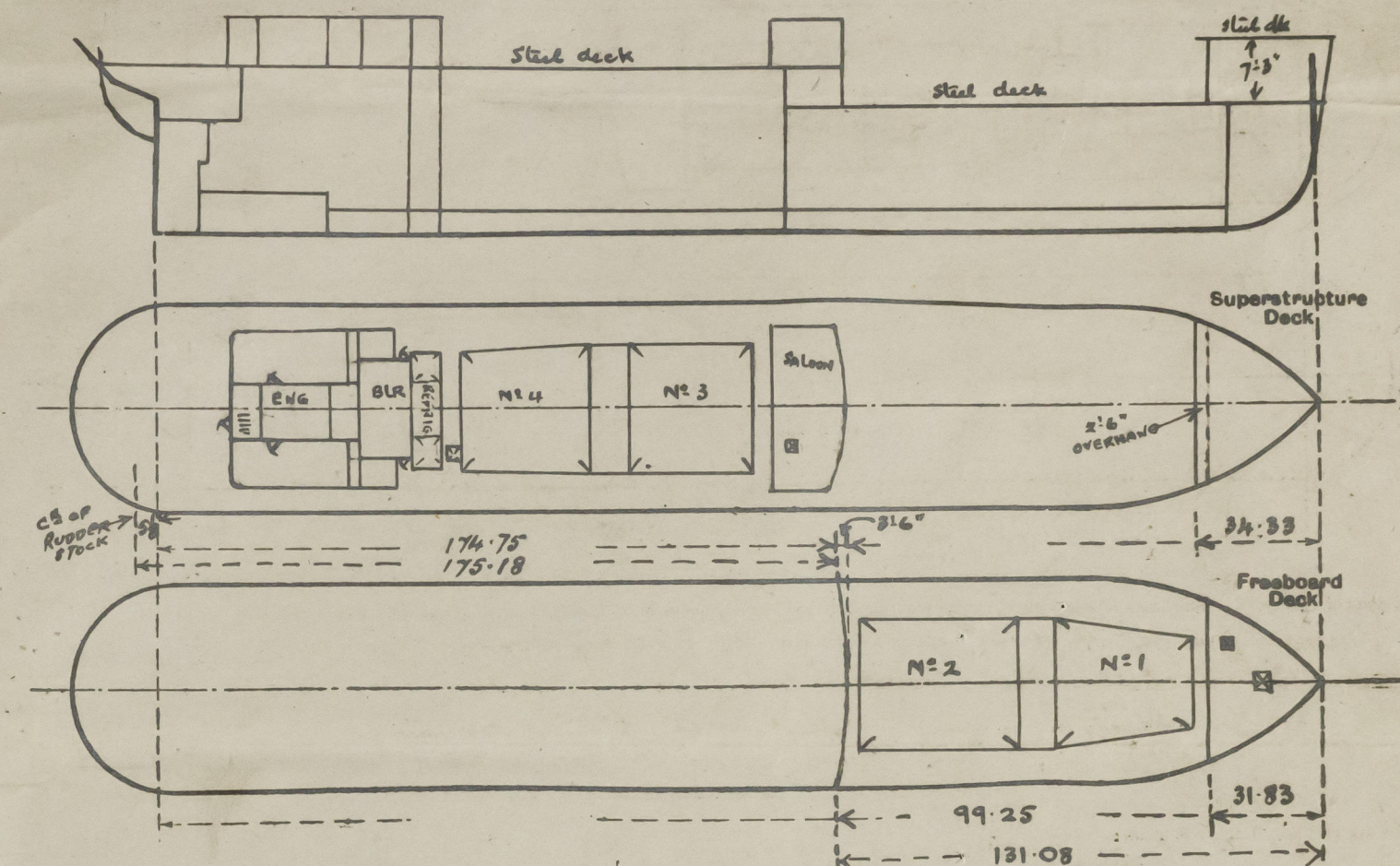
(CONDITIONS OF ASSIGNMENT.)

Ship's Name **"EMPIRE STRAIT"** Port of Survey **West Hartlepool**

Official Number **160789** Surveyor's Signature **W. J. Craig**

Nationality and Port of Registry **BRITISH WEST HARTLEPOOL** Date of Survey **while building Nov/40**

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				✓				
Raised Quarter Deck Bulkhead	40	40	4 x 2 1/2 x 7/8 angle 4 diaphragms	24"	none	none	none	4'9"
Bridge, After Bulkhead				✓				
Bridge, Forward Bulkhead				✓				
Forecastle Bulkhead	28	28	4 x 3 x 3/4 A	30 1/2"	none	2 x 4'1" x 2'1" 2 x 4'6" x 2'0"	18"	7'8"
Trunk, Aft				✓				
Trunk, Forward				✓				
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	34	30	5 x 3 1/2 x 3/4 A	30"	none	2 x 5'0" x 2'0"	21"	7'9"
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).								
Poop Bulkhead				✓				
Raised Quarter Deck Bulkhead				✓				
Bridge, After Bulkhead				✓				
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				✓				

No openings.

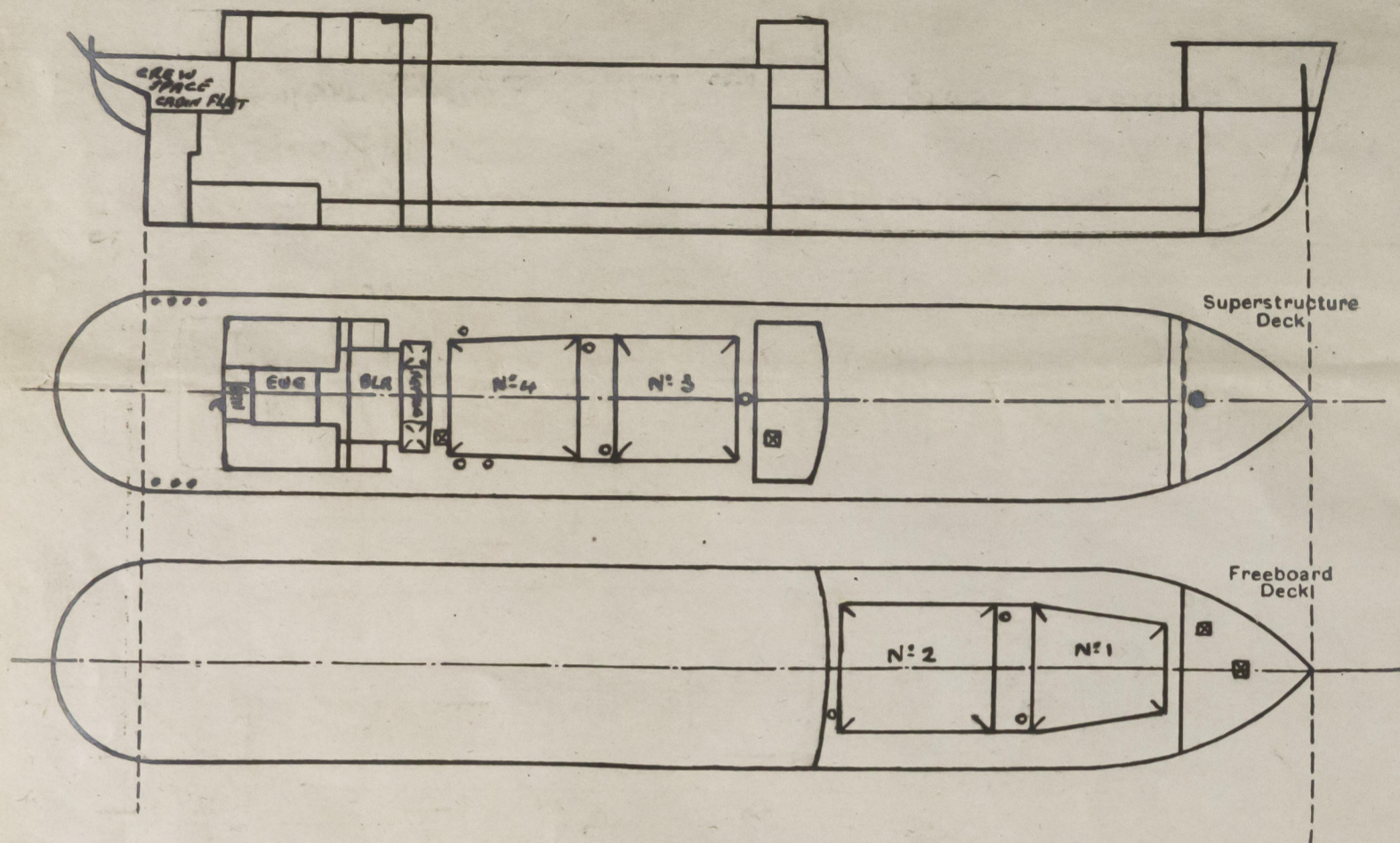
Hook bolted plates hinged steel doors operated from both sides

hinged steel doors operated from both sides

002743-002749-0205/12

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 & vent coamings & engine room skylight of steel & efficiently constructed
Efficient hinged covers fitted over fiddle gratings

Particulars of Flush Bunker Scuttles:—

None ✓

Particulars of Companionways:—

Companionway to cabin flat aft incorporated in deckhouse
Hinged steel door 5'0" x 2'0" operated from both sides. Sill 20"

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

Forecastle deck:— 1-15" vent to hold, coaming 36" x 36" ✓
Upper deck:— 2-15" " " " " 36" x 36" ✓ wood plugs
1-15" " " " " 12'9" x 36" supported ✓
R.O. deck:— 1-15" " " " " 36" x 36" ✓ canvas covers
2-15" " " " " 36" x 36" ✓ supplied ✓
3-15" " " " " 36" x 36" ✓
7-6" goose-neck vents to accommodation aft 18" high ✓

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

Forecastle:— 1-4" air pipe to fore peak 18" high ✓
Upper deck:— 2-4" " " to No 1 D.B. tank 36" " ✓ closing appliance
2-5" " " " " 36" " ✓
R.O. deck:— 2-5" " " " " 30" " ✓
2-5" " " " " 30" " ✓
4-5" " " " " 30" " ✓
2-2 1/2" " " " " 30" " ✓
2-2 1/2" " " " " 30" " ✓
1-4" " " " " 30" " ✓

Particulars of Gangway Cargo and Coaling Ports:—

None ✓

Particulars of Scuppers and Sanitary Discharge Pipes:—

Soil discharges from Saloon deckhouse lead overboard below R.O. dk with M.C.I. storm valves at ship's side ✓
Soil discharges from Engine deckhouse aft lead overboard below R.O. dk. with M.C.I. storm valves at ship's side ✓
Scuppers & wash basin waste pipes etc in Saloon & Engine deckhouses on R.O. dk lead overboard below R.O. dk, no storm valves.
Sink discharges from cabin flat aft leads overboard above cabin flat with M.C.I. storm valve at ship's side & plug cock above storm valve accessible & operated from cabin flat ✓

Particulars of Side Scuttles:—

Side scuttles fitted with efficient hinged deadlights

Vertical distance of Sill of lowest Side Scuttle above top of keel 26'3 3/4" ✓

Particulars of Guard Rails:—

Forecastle: 2 tier rails 3'0" high with stanchions 4'6" apart ✓

Particulars of Gangways, Lifelines, etc.:—

Lifelines available in forward well, and along Raised Quarter Deck ✓

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 ...	175.18 174.78	3'6"	12'0" x 8" 6'0" x 8"	4 2	32.0 8.0	40.0 35.03
Forward Well ...	99.25 99.25	4'0"	12'0" x 8"	3	24.0	18.88
State position of each freeing port ... (After Well:— 22'0", 46'0", 64'0", 88'0", 106'0", 148'0" from front. (F. and A. position and height above deck edge) Forward Well:— 21'3", 45'3", 69'3" from fore peak. Sills 11" up.						
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. ✓						