

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

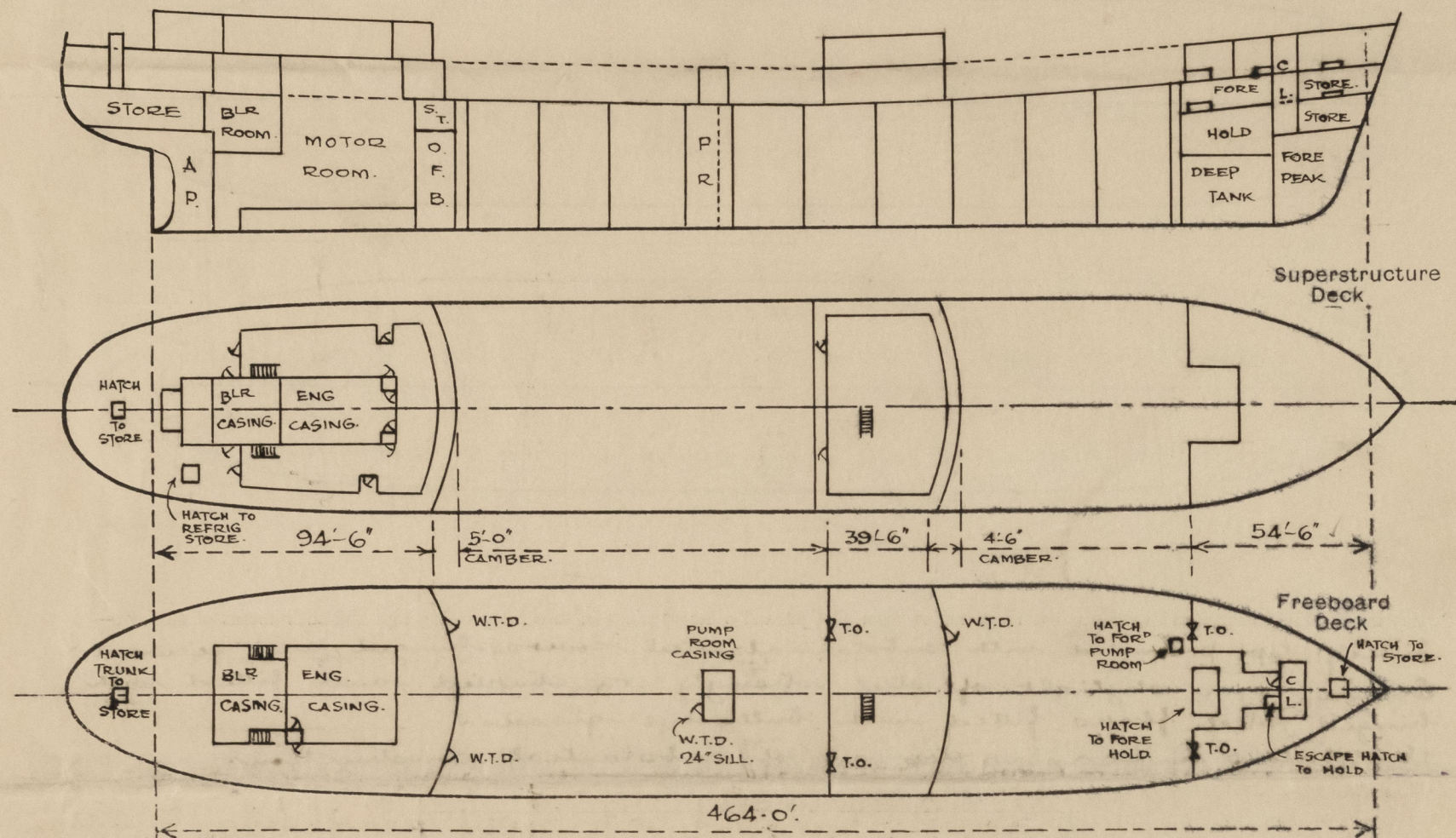
F.107

Ship's Name "BRITISH STRENGTH" Port of Survey BELFAST.

Official Number 182859. Surveyor's Signature J. Miller

Nationality and Port of Registry BRITISH - LONDON. Date of Survey DURING CONSTRUCTION.

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.

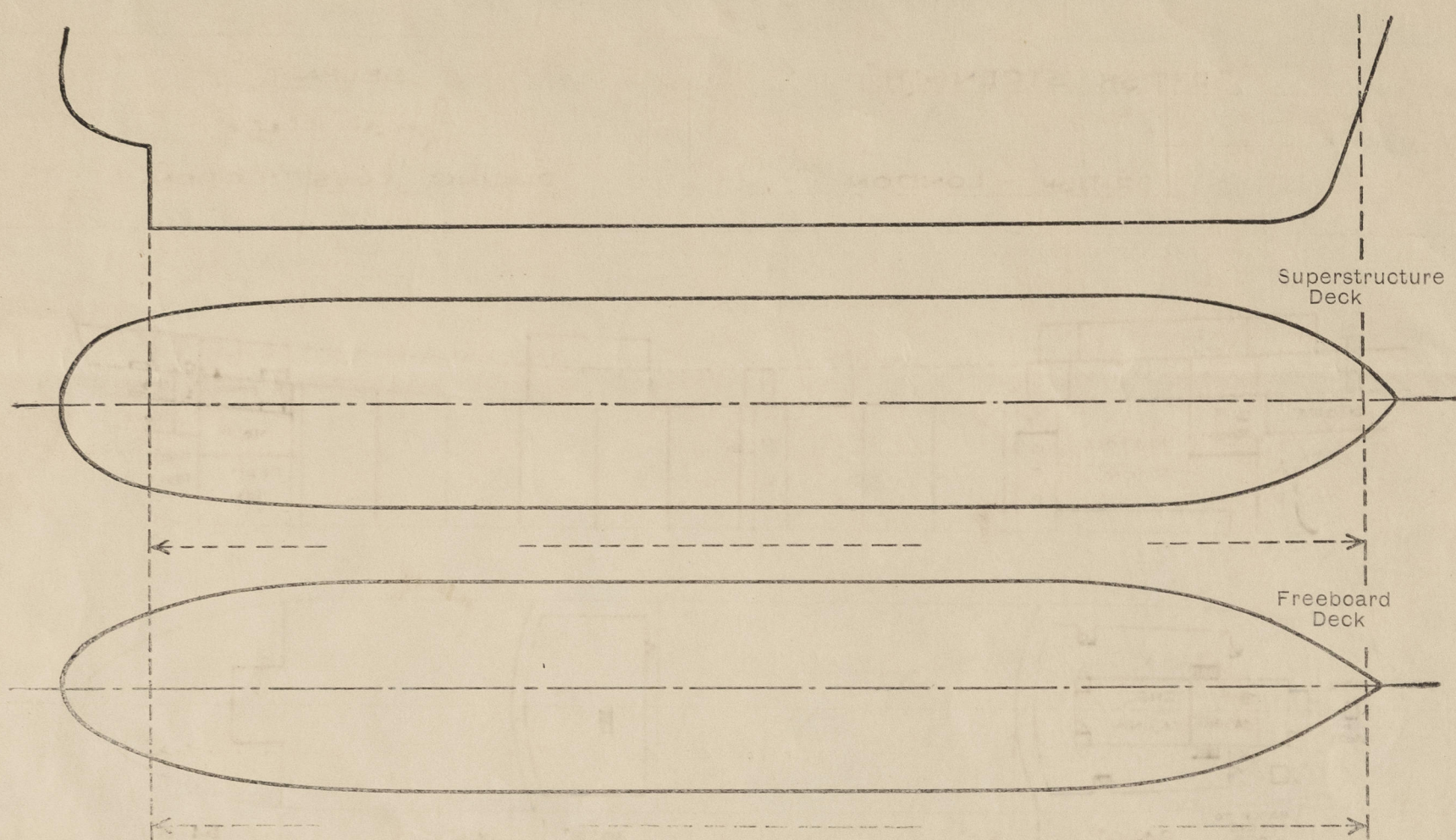
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	✓	46" WINGS 44" CENTRE	10 x 3 1/2 x .46 F 10 x 3 1/2 x .40 F	30" - 33"	WELDED TOP & BOTTOM	2 AT 5'-0" x 3'-0"	18"	8'-0"
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead ...	✓	34" WINGS 30" CENTRE	4 x 3 x .32 OA 4 x 3 x .36 OA	27" - 33"	WELDED AT TOP TO F. & A.	2 AT 4'-1" x 3'-1"	18"	8'-0"
Bridge, Forward Bulkhead ...	✓	46" WINGS 44" CENTRE	10 x 3 1/2 x .40 F	30" - 33"	WELDED TOP & BOTTOM	1 AT 5'-0" x 3'-0"	18"	8'-0"
Forecastle Bulkhead ...	✓	34" & 30"	4 x 3 x .32 OA 4 x 3 x .36 OA	27" - 35"	NONE ON TRANS BULKHEAD. CONNECTED TO BEAM ON LONG BULKHEAD.	2 AT 4'-1" x 3'-1" 1 AT 4'-3" x 2'-3"	19" 18"	8'-0"
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	30" ✓	30" ✓	3 x 2 1/2 x 5/16 ✓	30" ✓	BRACKETTED AT TOP & EXTENDED TO UPPER DECK AT BOTTOM. ✓	2 AT 4'-3" x 2'-3"	15"	8'-0"
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 ...	One hinged steel W.T. door, operated from both sides. ✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	Two portable steel plates, secured by wide spaced hook bolts. ✓
Bridge, Forward Bulkhead ...	One hinged steel W.T. door, operated from both sides. ✓ one hinged steel W.T. door, operated from both sides. ✓
Forecastle Bulkhead ...	Two portable steel plates, secured by wide spaced hook bolts. ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	Two hinged steel W.T. doors, operated from both sides. ✓
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 :—



Tridley top provided with substantial steel covers, hinged and secured. ✓
Engine room skylight of steel strongly constructed and fitted with
hinged steel flaps fitted with bull's eye glasses. ✓
Ventilators on casing top are of substantial construction. ✓

Particulars of Flush Bunker Scuttles :—

None. ✓

Pump Room - Access to pump room by deckhouse 12'-6" x 10'-0" x 7'-6" high
 Particulars of Companionways: - Aft bridge on upper deck, constructed of steel plates .40" thick and
 stiff 4'-3" x 3'-6" T, 30" apart, having one hinged steel W.T. door 4'-3" x 2'-3", with 24" sills. Door secured
 by toggles and operated from both sides. ✓
Roof deckhouse - Deckhouse constructed of steel plates .30" x .26" stiff 4'-2 1/2" x 5'-0" OA, 30" apart
 having two steel hinged W.T. doors (1 p. 15) 4'-3" x 2'-3" with 21" sills, at aft end of house and two solid
 wood doors 5'-0" x 2'-6", 2" thick, and 15" sills (1 p. 15) at side of house. ✓
Doors in deckhouse operated from both sides (W.T. doors secured by toggles. ✓

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

Calculations of Venturi in exposed positions on recumbent and supine:

FILE DECK: 5-12 dia cowls, with coamings 36"x34"✓
2-8" " " " " 36"x30"✓
2-6" " " " " 36"x30"✓

UPPER DECK: 2-24" dia cowls, with coamings 40" thick✓
and extending 13'-0" above deck. Coamings efficiently
bracketted to pump room casing.

UPPER BRIDGE DECK: 2-13" dia cowls, with coamings 24"x34"✓
2-10" " " " " 24"x30"✓
1-13" " in vents " " 15" high✓
1-10" " " " " 15"✓

Poop Deck:- 1- 11" dia. bowl, with coaming 30" x 32"
2- 10" " " " " 30" x 32"
4- 6" " " " " 30" x 30"
11- 8" x 4" S.N.V. 30' high, to lip of vent.

12" & 24" dia cowls on fore-castle and upper decks fitted with gas tight flap valves, in loadings and gauge on cowl mouth.

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

Particulars of Air Pipes		exposed positions on treeboard, raised quarter, or superstructure decks:—
<u>FOCLE DECK:</u>	2-6" dia air pipes to fore peak, 3'-0" high	✓
	2-4" " " " " " deep tank, 3'-0" high	✓
<u>UPPER DECK:</u>	2-4" " " " " " forward cofferdam	✓
	extending to 3'-0" above fore deck and efficiently clipped	✓
	2-4" dia air pipes to aft cofferdam	✓
	2-4" " " " " " O.F. bunkers	✓
	2-4" " " " " " settling tanks	✓
	2-4" " " " " " refined oil tanks	✓
<u>POOP DECK:</u>	2-4" " " " " " O.F. D.B. Tanks	✓
	2-4" " " " " " lub oil tanks.	✓
	2-4" " " " " " aft peak tank	✓
	2-4" " " " " " feed tanks	✓
	2-2½" " " " " " cofferdam D.B.	✓
	1-3" " " " " " rudder tank	✓
	1-2½" " " " " " stern comp't	✓
	2-3" " " " " " 7 ft. tank, 18" above poop deck house	✓

air pipes to oil and ballast tanks and Copperdam fitted with M.S. hoods and metal gargoyle. ✓
All other air pipes fitted with plugs and canvas covers. ✓

Particulars of Gangway Cargo and Coaling Ports :—

British Strength

none. ✓

Particulars of Scuppers and Sanitary Discharge Pipes:— Forecastle and bridge spaces drained by 1" dia drain holes having gummetal flaps in forecastle and bridge and bulkheads. ✓
FREEBOARD DECK:- Scuppers 6"x2" cut in gunwale angle and sheerstrake in forward and after wells. ✓

POOP SPACE- Sanitary discharges and scuppers from freeboard deck within poop space, led overboard below freeboard deck and discharging through storm valves at ships side ✓

POOP & BRIDGE DECKS: Sanitary discharges from accommodation on poop deck led overboard below freeboard deck through stern valves and from accommodation on bridge deck led overboard above freeboard deck through stern valves. ✓

Scuppers on poop deck led overboard below freeboard deck, thro' open bends. ✓
Spaces below freeboard deck aft drained by scuppers led into engine room bilges and fitted with lever weighted cock at lower end. ✓
Spaces forward drained by scuppers led into drain hats and pumped out by steam suction. ✓

Particulars of Side Scuttles :—

FORECASTLE:- 10" dia clear glass, with hinged deadlights ✓
BRIDGE SPACE:- 10" " " " " " ✓
POOP SPACE:- 10" " " " " " ✓
DECK HOUSES:- 12" & 15" dia clear glass, with hinged deadlights ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel. *None fitted below freeboard deck.* ✓

Particulars of Guard Rails :- FREEBOARD DECK:- In fore and aft wells, between bulwarks, stanchions 4'-6" high, with 3 rails; stanchions spaced 4'-6" to 5'-0" apart. ✓
POOP, BRIDGE & FOUL DECKS:- Stanchions 3'-6" high, spaced about 4'-6" apart and having 3 rails. ✓

Particulars of Gangways, Lifelines, etc. — Fore and aft gangway from poop to bridge deck aft and from bridge deck forward to forecastle, 8'-0" above freeboard deck. Constructed of 6"x3"x.38" channel stringers, connected by 5"x3"x.40" transverse spaced about 8'-0" apart, with intermediate transverse 3"x3"x.40". Gangway supported by vertical angles 4"x4"x.40" having a spread of 3'-2" at platform and 5'-0" at deck. These supports connected transversely by 6"x3"x.40" and by bracing 3"x3"x.40". Longitudinal supports of 3½"x3½"x.40" fitted diagonally on alternate spaces. All transverse and longitudinal supports and bracing bracketed top and bottom. Gangway plated with ¾" cheq. plates and fitted with handrails 3'-6" high, with 2 rails. Stanchions spaced about 5'-0" apart.

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 ... 161-7"	POOP BRIDGE 47'-11"	21'-4" 4'-0"	3'-0" x 9"	1 3	✓	50% OPEN RAILS
Forward Well 113-11"	BRIDGE FO'CLE 28'-8"	28'-5" 4'-0"	3'-0" x 9"	2 1	✓	D°
State position of each freeing port ... { After Well :- " FROM POOP FRONT - 1'-0" " BRIDGE END - 3 1/2', 20'-0", 29'-0", } 15" (F. and A. position and height above deck edge) { Forward Well :- " BRIDGE FRONT - 3 1/2', 19'-0", } ABOVE " FO'CLE FRONT - 18'-9". } DECK.						
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— SEE SKETCH.						
Additional area where sheer is less than standard.						

Diagram showing a horizontal oval shape representing a freeing port. The length is marked as 3'-0" and the height is marked as 9".

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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										FREEBD DK	SUPERSTR DK		
Description of Hatchway	...	...	O.T. CARGO HATCHES 27 OFF	HATCH TO FORE HOLD	ESCAPE HATCH FROM FORE HOLD	BUNKER HATCHES 2 OFF	O.F. SETT ^g TANKS & P.R. WINGS 6 OFF	HATCH TO FORE STORE	HATCH TO FORE P. ROOM.	F. & A. COFFERDAMS 6 OFF	AFT STORE.	REFRIG STORE.
Dimensions of Hatchway	...	...	6'-0" x 4'-0"	6'-9" x 10'-0"	2'-6" x 2'-0"	3'-0" sq.	23' x 18"	3'-0" x 3'-0"	3'-0" x 3'-0"	23' x 18"	2'-6" x 2'-6"	2'-9" x 2'-9"
COAMINGS	{	Height above Deck	12" ✓	30" ✓	9" ✓	30" ✓	12" ✓	9" ✓	30" ✓	12" ✓	30" ABOVE WOOD DK ✓	30" ABOVE WOOD DK ✓	
		Thickness { Sides	50" ✓	44" ✓	40" ✓	40" ✓	50" ✓	40" ✓	40" ✓	50" ✓	40" ✓	40" ✓	
		Stiffeners ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Brackets, Stays ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
HATCH BEAMS	{	Number ...	/	/	/	/	/	/	/	/	/	/	
		Spacing ...											
		Scantling and Sketch ...											
		Bearing Surface ...											
FORE AND AFTERS	{	Number ...	/	ONE F & A AT CR OF WIDTH OF HATCH FORMED OF 2-6x3x44Ls WITH 12"x50P.T. & WITH 3 STRONG BACKS.	/	/	/	/	/	/	/	/	
		Spacing ...											
		Unsupported Lengths											
		Scantling* and Sketch ...											
HATCH COVERS	{	Material ...	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	WOOD	
		Thickness ...	64"	60"	50" ✓	50" ✓	46"	50" ✓	50" ✓	46"	50"	2 1/2"	
		How fitted ...	HINGED	HINGED	HINGED	HINGED	BOLTED	HINGED	HINGED	BOLTED	HINGED	F. & A.	
		Bearing Surface ...	O.T. ✓	W.T. ✓	W.T.	O.T.	O.T. & W.T.	W.T.	W.T.	W.T.	W.T. ✓	3"	
Spacing of Cleats	...	...	CLIPS SPACED ABOUT 14" AP!	CLIPS SPACED ABOUT 16" AP!	CLIPS SPACED ABOUT 12" AP!	CLIPS SPACED ABOUT 12" AP!	BOLTS SPACED ABOUT 3 1/2" CRS.	CLIPS SPACED ABOUT 15" AP!	CLIPS SPACED ABOUT 13" AP!	BOLTS SPACED ABOUT 3 1/2" CRS.	CLIPS SPACED ABOUT 15" AP!	21"
Number of Tarpaulins...	...	...	...	...	...	...	...	...	...	...	...	2"
*Are wood fore and afters steel shod at all bearing surfaces?													yes, on hatch to refrig. store, other hatches. steel covers.
Are battens and wedges efficient and in good condition?													yes, where fitted. ✓
Are tarpaulins in good condition and in accordance with rule requirements?													yes, where fitted. ✓
Are lashings provided in accordance with rule requirements?													✓