

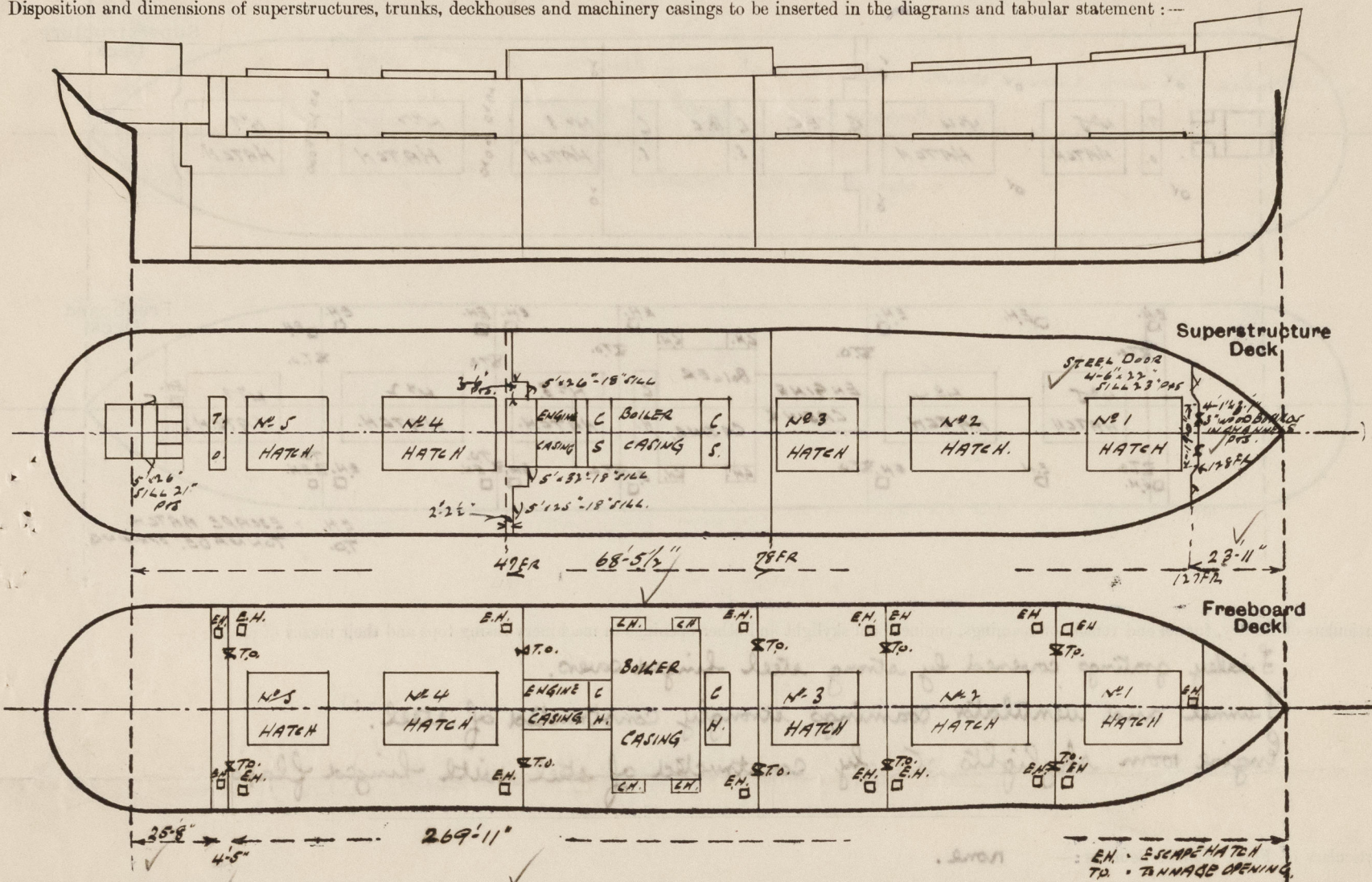
16895

MIDDLESBROUGH

Surveyor's Signature

Date of Survey

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



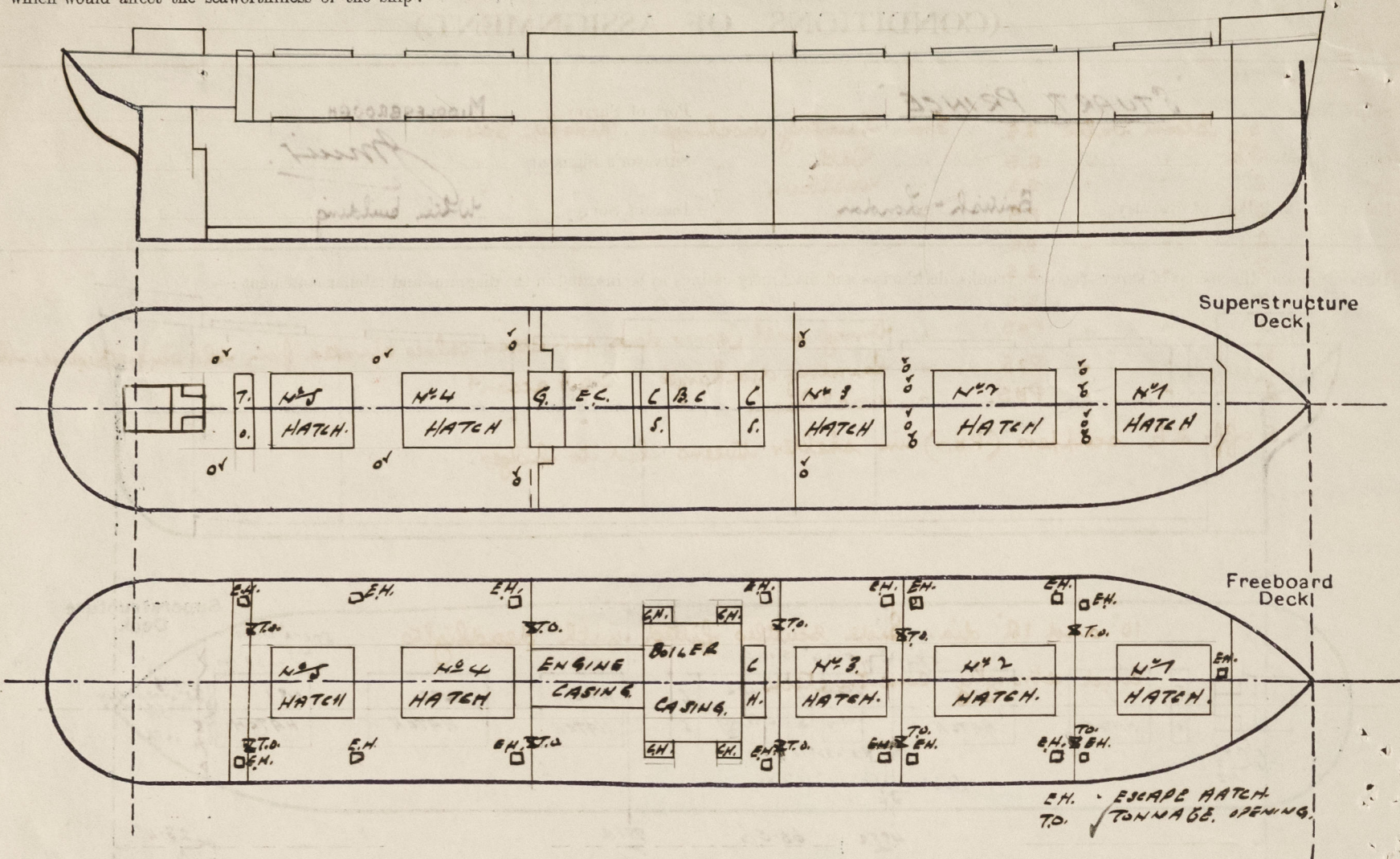
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ... 3x.12 ...	None	.26	5" x .34 Flat	28	none	none	none	7'-3" ✓
Swash Bulkhead ... 49.77.85.8110.	None	.26 except 28	5" x .34 Flat	30	none	4'-1" x 3'-1"	23"	
Raised Quarter Deck Bulkhead ...	None	.28	5" x .34 Flat	30	none	4'-1" x 3'-1"	23"	
Bridge, After Bulkhead } ...								
Bridge, Forward Bulkhead } ...	None	.26	5" x .34 Flat	33"	none	4'-1" x 3'-1"	22"	9'-5 1/2" ✓
Forecastle Bulkhead ...								
Trunk, Aft ...	For end bulkheads of sections on superstructure decks see back of report							
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ...	None	.28	3" x 2 1/2" x .30L	30"	none	5' x 2'-1"	18"	7'-6" ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	None	.28	3" x 2 1/2" x .30L	30"	none	5' x 1'-10"	18"	
Deckhouses on Flush Deck Ships ...								

Poop Bulkhead	...	...	No openings
Green	...	...	
Forward Bulkhead	...	...	2 Openings in each bulkhead - closed by steel plates fitted with hook bolts 12" apart
Raised Quarter Deck Bulkhead	...	...	all packed and secured, and hose tested and found tight
Bridge, After Bulkhead	...	...	
Bridge, Forward Bulkhead	...	...	2 Openings - closed by steel plates fitted with hook bolts, spaced 12" apart
Forecastle Bulkhead	...	...	all packed and secured, and hose tested and found tight
Exposed Machinery Casings on Free-board or Raised Quarter Decks	...	...	
Exposed Machinery Casings on Superstructure Decks	...	...	4 Doors (2 P & 2 S) - Steel doors operated from both sides
Machinery Casings within Superstructure not fitted with Class I Closing Appliances	...	...	1 Door (Port side) - Steel door operated from both sides
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:—



Particulars of fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing :—

Lidley gratings covered by strong steel hinged covers.

Tunnel and ventilator workings strongly constructed of steel.

Engine room skylights strongly constructed of steel with hinged flaps.

Particulars of Flush Bunker Scuttles :— *none.*

Particulars of Companionways:— after deck house on upper deck of steel.

26" plating, stiffeners 3" x 3" x 30L spaced 33" apart.

2 doors (17.15.) to crew's ladderway 5' x 2'-2", sill 21" ✓

Doors 2" teak operated from both sides.

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

Bolters in exposed positions on freeboard and superstructure decks:—			
<u>Tide dh.</u>	1-off	8' x 4' 0"	22" dia. bracketed to dh.
<u>Lower well</u>	2-off	3' 4" x 4' 0"	To No. 1 tussers dh.
<u>Upper dh.</u>	2-off	3' 9" x 3' 6"	To No. 2 hold and tussers
	2-off	3' 3" x 4' 0"	To No. 1 " " "
	2-off	3' 3" x 4' 0"	To No. 2 " " "
	2-off	3' 9" x 4' 0"	To No. 2 tussers
	1-off	2' 6" x 4' 0"	To No. 3 hold and tussers
<u>Bridge dh.</u>	6-off	2' 6" x 3' 2"	To accommodation etc.
<u>Off well</u>	2-off	10' 6" x 14' 0"	15" - bracketed to dh.
	2-off	3' 9" x 4' 0"	To No. 4 hold and tussers
	2-off	2' 6" x 4' 0"	To No. 5 hold and tussers
	1-off	2' 6" x 3' 2"	To tunnel recess.

all coverings over 36" in height are specially secured and supported  
Wood plugs and canvas covers are supplied for all ventilators ✓

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

1 off	2 1/2"	dia.	air pipe	to aft	peak tank	on	upper	dh.	aft.	
2 off	2 1/2"	"	"	"	No. 7 D.B.	"	"	"	(16, 15)	
2 off	3"	"	"	"	No. 6 D.B.	"	"	"	(6, 5)	
2 off	3 1/2"	"	"	"	No. 5 D.B.	"	"	Bridge	(6, 5)	
2 off	2 1/2"	"	"	"	any tank	"	"	2nd dh.	(-)	
2 off	3 1/2"	"	"	"	No. 3 D.B.	"	"	upper	(-)	
2 off	4"	"	"	"	No. 2 D.B.	"	"	"	(-)	
1 off	6"	"	"	"	No. 1 D.B.	"	"	"	Port.	
1 off	2 1/2"	"	"	"	Fore peak.	"	"	2' dia	✓	

wood plugs fitted to all air pipes

all 18" above the deck

wood plugs fitted to all air pipes

Particulars of Gangway Cargo and Coaling Ports:— *None*

Stuart Prince.

Particulars of Scuppers and Sanitary Discharge Pipes:—

Scuttles and Sanitary Discharge Pipes		From		Midship accord.	
5"	Atom valve S.S.	From	lavatory discharges		
3 1/2"	" S.S.	"	Bath	"	"
2"	" S.S.	"	Washbasin	"	"
2 1/2"	" P.S.	"	"	"	"
2"	" P.S.	"	"	"	"
2"	" S.S.	"	"	"	"
4"	" S.S.	"	"	"	"
5"	" P.S.	"	tonnage well (screw down non-return valves operated from the superstructure deck)		
4"	" P.S.	"	lavatory discharges	Crews accord.	
2"	" P.S.	"	washbasin	"	"

5 off 2 1/2" scuttles (P.S.) in shelter towers led to bilges. ✓

Particulars of Side Scuttles :—

10" and 12" dia. Side scuttles fitted with deadlights and strongly constructed. ✓

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

### Particulars of Guard Rails :

Newcastle deck. 3 Rods and stanchions about 5'-0" apart. 3'-6" above deck (steel).  
 Bridge deck. 3 Rods and stanchions about 5'-0" apart. 3'-3" above deck (wood)

Particulars of Gangways, Lifelines, etc. :—

Lifelines fitted

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 ... ..	101.96'	3.5'	6'-7 1/2" x 9"	3	✓ 14.895 sq	10.2 sq
Forward Well ... ..	104.67' ✓	3.5' ✓	6'-7 1/2" x 9" ✓	3 ✓	✓ 14.895 sq	10.47 sq
State position of each freeing port ... ..	After Well:— 3m aft top. (F. and A. position and height above deck edge) Forward Well:— Bridge front 4r.75.		No. 1. 25'-8" 6'-7 1/2"	No. 2. 58'-9 1/2" 33'-1 1/2"	No. 3. 91'-11" 59'-7 1/2"	} 11" above deck edge. ✓
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. ✓						



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
SUPERSTRUCTURE DK.						FREEBOARD DK.				
Description of Hatchway	No. 1	No. 2	No. 3	No. 4	No. 5	No. 1	No. 2	No. 3	No. 4	No. 5
Dimensions of Hatchway	20' x 19'	35' 4" x 19'	14' 5 1/2" x 19'	35' 4" x 19'	15' 5 1/2" x 19'	20' x 19'	35' 4" x 19'	15' 5 1/2" x 19'	35' 4" x 19'	15' 5 1/2" x 19'
COAMINGS	Height above Deck ... 36"	36"	36"	36"	36"	9 1/2"	9 1/2"	9 1/2"	9 1/2"	9 1/2"
	Thickness ... 1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Sides ... 48F. 50A.	44"	44"	44"	44"	48F. 50A.	44"	44"	44"	44"
	Stiffeners ... 7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L	7" x 3" x 44L
	Brackets, Stays ... 4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L	4" x 4" x 40L
HATCH BEAMS	Number ... 4	6	2	6	2	4	6	2	6	2
	Spacing ... 4'-0"	5'-0 1/2"	4'-9 3/4"	5'-0 1/2"	5'-13 1/4"	4'-0"	5'-0 1/2"	5'-13 1/4"	5'-0 1/2"	5'-13 1/4"
	Scantling and Sketch ... 8" x 44	8" x 44	8" x 44	8" x 44	8" x 44	8" x 44	8" x 44	8" x 44	8" x 44	8" x 44
	Bearing Surface ... 22" to 11"	19 1/2" to 9 3/4"	19 1/2" to 9 3/4"	19 1/2" to 9 3/4"	19 1/2" to 9 3/4"	23" to 11 1/2"	23" to 11 1/2"	22" to 11"	22" to 11"	24" to 12"
	Welded Lug									
FORE AND AFTERS	Number ...		NONE					NONE		
	Spacing ...									
	Unsupported Lengths ...									
	Scantling and Sketch ...									
	Bearing Surface ...									
HATCH COVERS	Material ...	WHITE WOOD				White wood				
	Thickness ...	3"				3"				
	How fitted ...	Laid fore & aft				Laid fore & aft				
	Bearing Surface ...	3 1/2" x 4"				3 1/2" x 4"				
Spacing of Cleats	22"					22"				
Number of Tarpaulins	2					2				
*Are wood fore and afters steel shod at all bearing surfaces?						None				
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:— Tonnage hatch on superstructure dk. 4'-6" x 19' of steel coamings 12" x 3 1/2" x 40 L. 3" wood covers, 2 tarpaulins fitted.

Trimming hatches on freeboard deck, 15 off, 24" x 24" of steel, coamings 9" x 3 1/2" hinged, flanged. Plate cover 30 fastened by 4 Loggles. 2 off 30" x 19"

Bunker hatchways: on bridge dk aft. 5' x 14'-6" of steel, coaming 9" x 3" x 46 L. on bridge dk fore. 5'-6" x 14'-6" 30" x 40" 3" Wood covers, 2 Tarpaulins, lashings. on freeboard dk. 6'-7 1/2" x 19' 9 1/2" x 40" Cleats and battens fitted.

Hatch on superstructure deck in forecabin 3' x 3' 9" x 40"

FORECASTLE FRONT ON SHELTER DK. { FR. 126 PLATING .26 STIFFS 4x30 FLATS WELDED SPACED 27" & 30" APART - 2 OPENINGS 4'-1" x 3'-1" (P.A.S.) SILL 13 FITTED WITH 3" BOARDS IN RIVETED E.S. FR. 127 DITTO. 2 OPENINGS 4'-6" x 2" (P.A.S.) FITTED WITH STEEL DOORS OPERATED FROM BOTH SIDES (SILL 13).

BRIDGE FRONT " " PLATING .33 62 2x4 FL @ 20" AND 5x2 1/2 34 L @ 20" (no openings) 3x2 1/2 x 20 L @ 20" - 2 OPENINGS (P.A.S.) SILL 18. 5' x 16" AS P 5' x 32" SS. - 1 1/2" TEAK DOORS OPERATED FROM BOTH SIDES. DO. 1 OPENING (SS) SILL 18. 5' x 16" - 1 1/2" WOOD DOOR. DO. OPERATED FROM BOTH SIDES.

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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