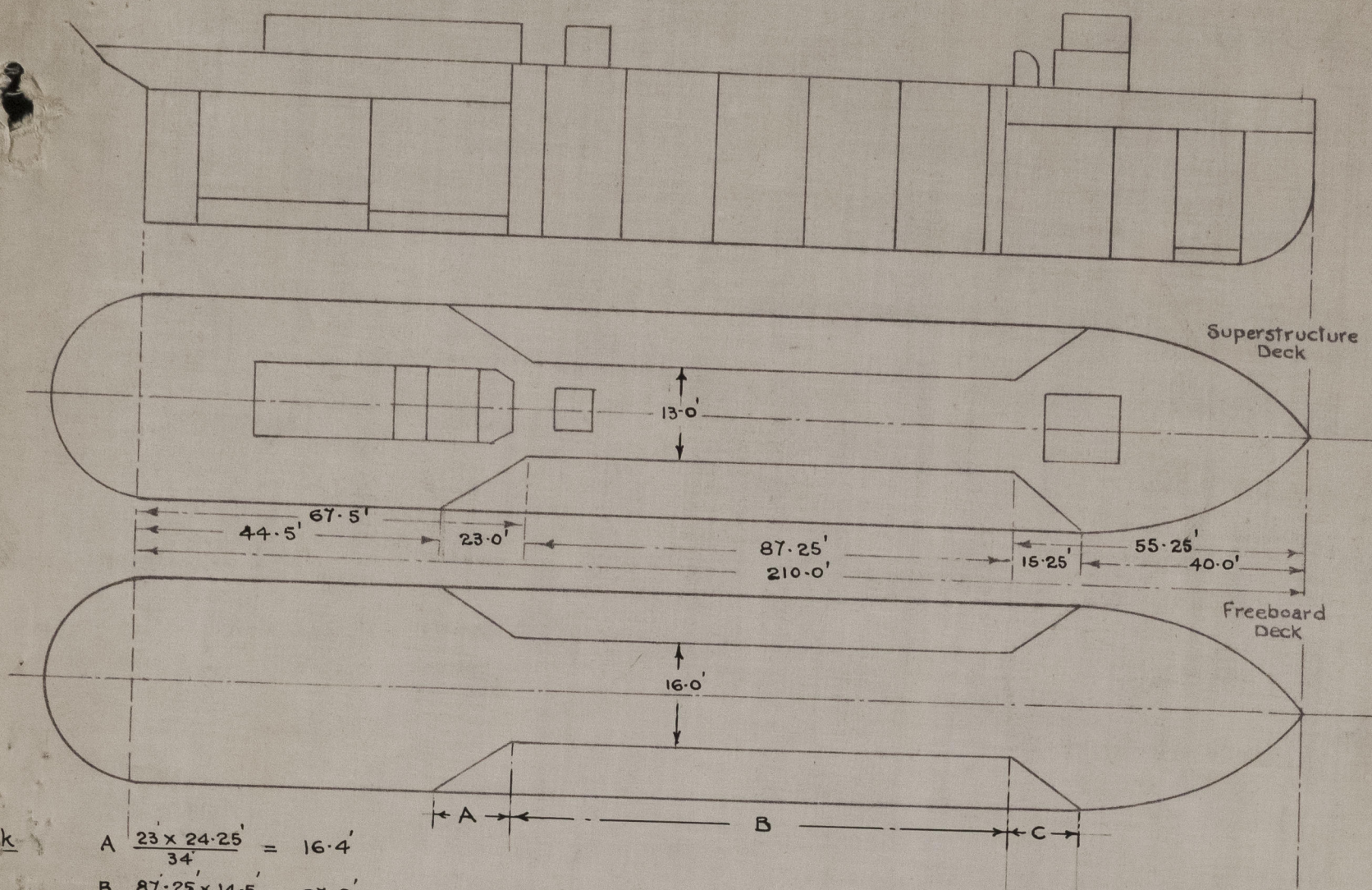


Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches:-



Trunk

$$A \frac{23 \times 24.25}{34} = 16.4'$$

$$B \frac{87.25 \times 14.5}{34} = 37.2'$$

$$C \frac{15.25 \times 24.25}{34} = 10.85'$$

$$\frac{64.45}{64.45} \text{ Equiv. Trunk.}$$

State any special features in the construction of the ship:-

Vertical framing except from fore end of fresh water tank at Station 43 to after end of oil fuel bunker at station 29 which is longitudinal.



Fba. 25335.

"Boxol"  
s/s

DEC 1943



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# PARTICULARS OF PROTECTION TO OPENINGS. ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS										
Description of Hatchway	Forecastle	Cofferdams (2 in No)	Cargo Tanks (8 in No)	Bunkers (2 in No)	Coal Bunker	Paint Store				
Dimensions of Hatchway	4'-3" x 3'-0"	1'-11" x 1'-3 1/2"	3'-2" x 2'-10"	2'-10" x 2'-3 1/2"	3'-2" x 3'-2"	3'-2" x 3'-2"				
COAMINGS	Height above Deck	1'-0"	8"	8"	8"	8"				
	Thickness { Sides	3/8"	1/2"	1/2"	1/2"	1/2"				
	{ Ends									
	Stiffeners ...			Nil						
	Brackets, Straps									
HATCH BEAMS	Number									
	Spacing									
	Scantling and Sketch			Nil						
	Bearing Surface									
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths			Nil						
	Scantling and Sketch									
	Bearing Surface									
HATCH COVERS	Material	Steel	Steel	Steel	Steel	Steel	Steel			
	Thickness	Companion way with	3/8"	1/2"	1/2"	3/8"	3/8"			
	How fitted	hinged door and lock	loose	loose	loose	hinged	hinged			
	Bearing Surface		Rubber joint	Packing joint	Packing joint	Rubber joint	Rubber joint			
Spacing of Cleats			5 studs spaced 13"	12 studs spaced 9 1/2"	10 studs spaced 9 1/2"	10 studs spaced 12"	10 studs spaced 12"			
Number of Tarpaulins										
* 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?										

Particulars of fiddle, funnel and ventilator coamings:-

Stokehold gratings covered by steel covers  
 Fiddle and funnel ventilators in efficient condition  
 Skylight to Engine Room, top of Pump Room, Galley and on Poop Deck of steel strongly constructed.

Particulars of Flush Bunker Scuttles:-

None fitted

Particulars of Companionways:-

One fitted above Forecastle living space with 2 in No steel doors facing aft

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

On Fox <sup>le</sup> DK. 1 @ 6" dia. - Coaming	33" x 25" *	On Fox <sup>le</sup> DK. 2 @ 8" dia. - Coaming	15" x 25" o	On Poop DK. 2 @ 8" dia. - Coaming	13" x 19" o
1 " 6 " "	11 " x 25 " o	1 " 6 " "	12 " x 25 " o	2 " 12 " "	22 " x 25 " o
2 " 6 " "	36 " x 39 " x 25 " *			1 " 6 " "	14 " x 19 " o
2 " 8 " "	15 " x 25 " *	On Trunk DK. 2 @ 12" dia. - Coaming	42" x 19" *	2 " 6 " "	14 " x 25 " o
2 " 8 " "	12 " x 25 " o	1 " 15 " "	28 " x 19 " o	1 " 6 " "	14 " x 19 " o
1 " 6 " "	12 " x 25 " o	On Poop DK. 1 @ 8" dia. - Coaming	13" x 19" o	1 " 8 " "	13 " x 19 " o
1 " 6 " "	12 " x 25 " o	1 " 6 " "	14 " x 25 " o	4 " 24 " "	30 & 46 " x 19 " *
4 " 6 " "	12 " x 25 " o	1 " 6 " "	21 " x 25 " *	2 " 18 " "	28 " x 25 " o
1 " 6 " "	12 " x 25 " o	1 " 6 " "	14 " x 25 " o		
2 " 12 " "	36 " x 25 " *	2 " 6 " "	14 " x 25 " o		
2 " 12 " "	23 " x 25 " o	2 " 8 " "	36 " x 25 " *		
2 " 8 " "	36 " x 25 " *				

\* Wood plug & Canvas cover.  
 o Patent French type.

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

On Forecastle Deck. 1 @ 4" dia. flush screw plug (To Fore Peak Tank)  
 2 " 2" " " " (" Fresh Water Tanks)  
 4 " 4" " " " (" Deep Tanks)  
 On Trunk Deck 2 " 4" " x 76" high (" Oil Bunkers)  
 On Freeboard Deck 2 " 2" " flush screw plug (" Ballast Tanks)  
 On Poop Deck 2 " 3" " " " " (" After Peak Tank)

Particulars of Gangway Cargo and Coaling Ports:-

None fitted



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# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway	Forecastle	Cofferdam (2 in N <sup>o</sup> )	Cargo Tanks (8 in N <sup>o</sup> )	Bunkers (2 in N <sup>o</sup> )	Coal Bunker	Paint Store	Supers <sup>ts</sup> Deck Foreward	Supers <sup>ts</sup> Deck Aft	On Casing Top of Sup <sup>ts</sup> Deck Aft
Dimensions of Hatchway	4'-3" x 3'-0"	1'-11" x 1'-3 1/2"	3'-2" x 2'-10"	2'-10" x 2'-3 1/2"	3'-2" x 3'-2"	3'-2" x 3'-2"	1'-9" Dia. Circ Hatch	2'-0" Dia. Circ Hatch	1'-6" x 1'-6"
COAMINGS	Height above Deck ... 1'-0" 3/8"	8" 1/2"	8" 1/2"	8" 1/2"	8" 1/2"	8" 1/2"	2'-0" 1/4"	1'-10" 1/4"	2" 1/4"
THICKNESS	...	...	...	...	...	...	...	...	...
STIFFENERS	...	...	...	...	...	...	...	...	...
BRACKETS STAYS	...	...	...	...	...	...	...	...	...
HATCH BEAMS	Number ...	...	...	...	...	...	...	...	...
SPACING	...	...	...	...	...	...	...	...	...
SCANTLING AND SKETCH	...	...	...	...	...	...	...	...	...
BEARING SURFACE	...	...	...	...	...	...	...	...	...
FORE AND AFTERS	Number ...	...	...	...	...	...	...	...	...
SPACING	...	...	...	...	...	...	...	...	...
UNSUPPORTED LENGTHS	...	...	...	...	...	...	...	...	...
SCANTLING AND SKETCH	...	...	...	...	...	...	...	...	...
BEARING SURFACE	...	...	...	...	...	...	...	...	...
HATCH COVERS	Material ... Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Wooden
THICKNESS	...	...	...	...	...	...	...	...	...
HOW FITTED	...	...	...	...	...	...	...	...	...
BEARING SURFACE	...	...	...	...	...	...	...	...	...
SPACING OF CLENTS	...	...	...	...	...	...	...	...	...
NUMBER OF TARPULINS	...	...	...	...	...	...	...	...	...

Particulars of Biddle, funnel and ventilator coamings:-

Stokehold gratings covered by steel covers  
Fiddle and funnel ventilators in efficient condition  
Skylight to Engine Room, top of Pump Room, galley and on Poop Deck, of steel strongly constructed

Particulars of Flush Bunker Scuttles:-

None fitted

Particulars of Companionways:-

One fitted above forecastle living space with 2 in N<sup>o</sup> Steel doors facing Aft.

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

On Fore Deck 1 @ 6" dia., Coaming 33" x 25" x	On Trunk Deck 2 @ 12" dia., Coaming 42" x 19" x	On Poop Deck 1 @ 8" dia., Coaming 13" x 19" x
1 " 6" " " 18" x 25" x	1 " 6" " " 21" x 25" x	1 " 6" " " 21" x 25" x
2 " 6" " " 18" x 25" x	2 " 6" " " 21" x 25" x	2 " 6" " " 21" x 25" x
3 " 6" " " 18" x 25" x	3 " 6" " " 21" x 25" x	3 " 6" " " 21" x 25" x
4 " 6" " " 18" x 25" x	4 " 6" " " 21" x 25" x	4 " 6" " " 21" x 25" x
5 " 6" " " 18" x 25" x	5 " 6" " " 21" x 25" x	5 " 6" " " 21" x 25" x
6 " 6" " " 18" x 25" x	6 " 6" " " 21" x 25" x	6 " 6" " " 21" x 25" x
7 " 6" " " 18" x 25" x	7 " 6" " " 21" x 25" x	7 " 6" " " 21" x 25" x
8 " 6" " " 18" x 25" x	8 " 6" " " 21" x 25" x	8 " 6" " " 21" x 25" x
9 " 6" " " 18" x 25" x	9 " 6" " " 21" x 25" x	9 " 6" " " 21" x 25" x
10 " 6" " " 18" x 25" x	10 " 6" " " 21" x 25" x	10 " 6" " " 21" x 25" x
11 " 6" " " 18" x 25" x	11 " 6" " " 21" x 25" x	11 " 6" " " 21" x 25" x
12 " 6" " " 18" x 25" x	12 " 6" " " 21" x 25" x	12 " 6" " " 21" x 25" x
13 " 6" " " 18" x 25" x	13 " 6" " " 21" x 25" x	13 " 6" " " 21" x 25" x
14 " 6" " " 18" x 25" x	14 " 6" " " 21" x 25" x	14 " 6" " " 21" x 25" x
15 " 6" " " 18" x 25" x	15 " 6" " " 21" x 25" x	15 " 6" " " 21" x 25" x
16 " 6" " " 18" x 25" x	16 " 6" " " 21" x 25" x	16 " 6" " " 21" x 25" x
17 " 6" " " 18" x 25" x	17 " 6" " " 21" x 25" x	17 " 6" " " 21" x 25" x
18 " 6" " " 18" x 25" x	18 " 6" " " 21" x 25" x	18 " 6" " " 21" x 25" x
19 " 6" " " 18" x 25" x	19 " 6" " " 21" x 25" x	19 " 6" " " 21" x 25" x
20 " 6" " " 18" x 25" x	20 " 6" " " 21" x 25" x	20 " 6" " " 21" x 25" x

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

On Forecastle Deck 1 @ 4" dia. flush screw plug (To Fore Peak Tank)  
2 " 2" " " " " (" Fresh Water Tanks)  
4 " 4" " " " " (" Deep Tanks)  
On Trunk Deck 2 " 4" " x 76" High " " (" Oil Bunkers)  
On Freeboard Deck 2 " 2" " flush screw plug (" Ballast Tanks)  
On Poop Deck 2 " 3" " " " " (" After Peak Tank)

Particulars of Gangway Cargo and Coaling Ports:-

None Fitted

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Particulars of Scuppers and Sanitary Discharge Pipes:-

Waterway Scuppers R & S.	Ballast Discharge	Drain from heater R & S.
Seamen's W.C.	Main Bilge Pump Discharge	" " Steering Flat R & S.
" " Bath & floor	Bilge Pump Discharge	
Officers' W.C. floor	Pump Room Bilge Discharge	
" " W.C. floor		
Firemen's Urinal	Fitted with Weight Valves and Steam Ejectors at Ship side	Not fitted with means of closing at Ship side
Pantry Sink		

Particulars of Side Scuttles:-

18 on Port side and 17 on Starboard side below Forecastle & Poop decks leading into living spaces, lavatories and Bathrooms, lamp room, Steward Store room, messroom, paint rooms, and Steering flat. The scuttles are of the service pattern fitted with hinged deadlights

Particulars of Guard Rails:-

Forecastle, Trunk, Poop and Harbour Decks,  
3'-5" high having stanchions 6'-4" apart with two rows of F.S.W.R. (Top row 2" F.S.W.R., bottom row 1 1/2" F.S.W.R.)

Particulars of Gangways, Lifelines, etc.:-

NIL

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 <del>Wall</del>	...	...	...	...	...	...
Forward <del>Wall</del>	...	...	...	...	...	...
State position of each freeing port (F. and A. position and height above deck edge) After <del>Wall</del> Forward <del>Wall</del>						
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of each:-						
Additional area where sheer is less than standard						

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	...	...	...	...	...	...	...	...
Bridge After Bulkhead	...	...	...	...	...	...	...	...
Bridge Forward Bulkhead	...	...	...	...	...	...	...	...
Forecastle Bulkhead Deckhouse	15'-0" x 10'-0"	1/4"	3" x 3" x 3/8"	30"	Bracket Plates 12" x 12" x 5/16"	2 @ 2'-3" x 5'-0"	17"	7'-3"
Captain & Chief Officer's Cabins	6'-0" x 5'-9"	1/4"	3" x 3" x 5/16"	30"	Bracket Plates 12" x 12" x 1/4"	1 @ 2'-3" x 4'-10"	16"	7'-3"
Trunk, Deckhouse	...	...	...	...	...	...	...	...
Entrance to Pump Room	...	...	...	...	...	...	...	...
Trunk Forward	...	...	...	...	...	...	...	...
Exposed Machinery Casings on Freeboard	...	...	...	...	...	...	...	...
Exposed Machinery Casings on Superstructure Decks	49'-4" x 10'-0"	5/16"	3 1/2" x 3" x 3/8"	30"	Boundary Angle 3 1/2" x 3" x 3/8"	4 @ 2'-0" x 4'-8" 2 @ 2'-3" x 4'-8"	18"	7'-3"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	...	...	...	...	...	...	...	...
Deckhouses on Poop Deck Ship	...	...	...	...	...	...	...	...

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 Deckhouse	2 Hardwood Sliding doors 1 1/2" thick fitted with lock manipulated from both sides
Exposed Machinery Casings on Freeboard	...
Exposed Machinery Casings on Superstructure Decks & Gun Crew Accom.	4 Hinged steel doors & 1 hinged wood door fitted with lock manipulated from both sides
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	...
Trunk Deck	1 Hinged steel door with lock manipulated from both sides
Deckhouses on Poop Deck Ship	...

Wood Chart Room fitted above Captain & Chief Officer's Cabin fitted with 1 Sliding door 6'-0" x 2'-0" and 2 Windows (1 in N<sup>o</sup> 2'-0" x 2'-8" and 1 in N<sup>o</sup> 13" x 13")



Particulars of Scuppers and Sanitary Discharge Pipes:-

Waterway Scuppers P&S	Fitted with storm valves at ship's side
Seamen's W.C.	
Officers' bath & floor	
" " W.C. floor	
Firemen's urinal bath & floor	
Pantry Sink	

Ballast discharge  
Main bilge pump discharge  
Bilge pump discharge  
Pump Room bilge discharge

Fitted with weight valves & steam ejectors at ship's side

Drain from heater P&S  
" " Steering Flat P&S

Not fitted with means of closing at ship's side

Particulars of Side Scuttles:-

18 on port side and 17 on starboard side below forecastle and poop decks leading into living spaces, lavatories and bath rooms, coal bunker, lamp room, steward store room, mess room, paint rooms and steering flat. The scuttles are of the service pattern fitted with hinged deadlights.

Particulars of Guard Rails:-

Forecastle, Trunk, Poop and Harbour Decks.  
3'-5" high having stanchions 6'-4" apart with two rows of F.S.W.R. (Top row 2" F.S.W.R. bottom row 1 1/2" F.S.W.R.)

Particulars of Gangways, Lifelines, etc.:-

Nil

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 <del>Well</del>			Nil			
Forward <del>Well</del>						
State position of each freeing port (F. and A. position and height above deck edge) After <del>Well</del> :- Forward <del>Well</del> :- State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:- Additional area where sheer is less than standard						

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								
Bridge After Bulkhead								
Bridge Forward Bulkhead								
Forecastle <del>Bulkhead</del> Deckhouse, Captain & Chief Officers Cabins	15'-0" x 10'-0"	1/4"	3" x 3" x 3/8"	30"	Bracket Plates 12" x 12" x 5/16"	2 @ 2'-3" x 5'-0"	17"	7'-3"
Trunk, <del>At</del> Deckhouse, entrance to Pump Room	6'-0" x 5'-9"	1/4"	3" x 3" x 5/16"	30"	Bracket Plates 12" x 12" x 1/4"	1 @ 2'-3" x 4'-10"	13"	7'-3"
Trunk Forward								
Exposed Machinery Casings on Free-board <del>At</del> Deck								
Exposed Machinery Casings on Superstructure Decks	45'-6" x 10'-0"	5/16"	3 1/2" x 3" x 3/8"	30"	Boundary angle 3 1/2" x 3" x 3/8"	4 @ 2'-0" x 4'-8" 2 @ 2'-3" x 4'-8"	18"	7'-3"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on <del>Flush</del> Deck Ship								

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 <del>Bulkhead</del> Deckhouse	2 hard wood sliding doors 1 1/2" thick fitted with lock manipulated from both sides
Exposed Machinery Casings on Free-board <del>At</del> Deck	
Exposed Machinery Casings on Superstructure Decks	4 hinged steel doors & 2 hinged wood doors fitted with lock manipulated from both sides
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Trunk Deck	
Deckhouses on <del>Flush</del> Deck Ship	1 hinged steel door with lock manipulated from both sides

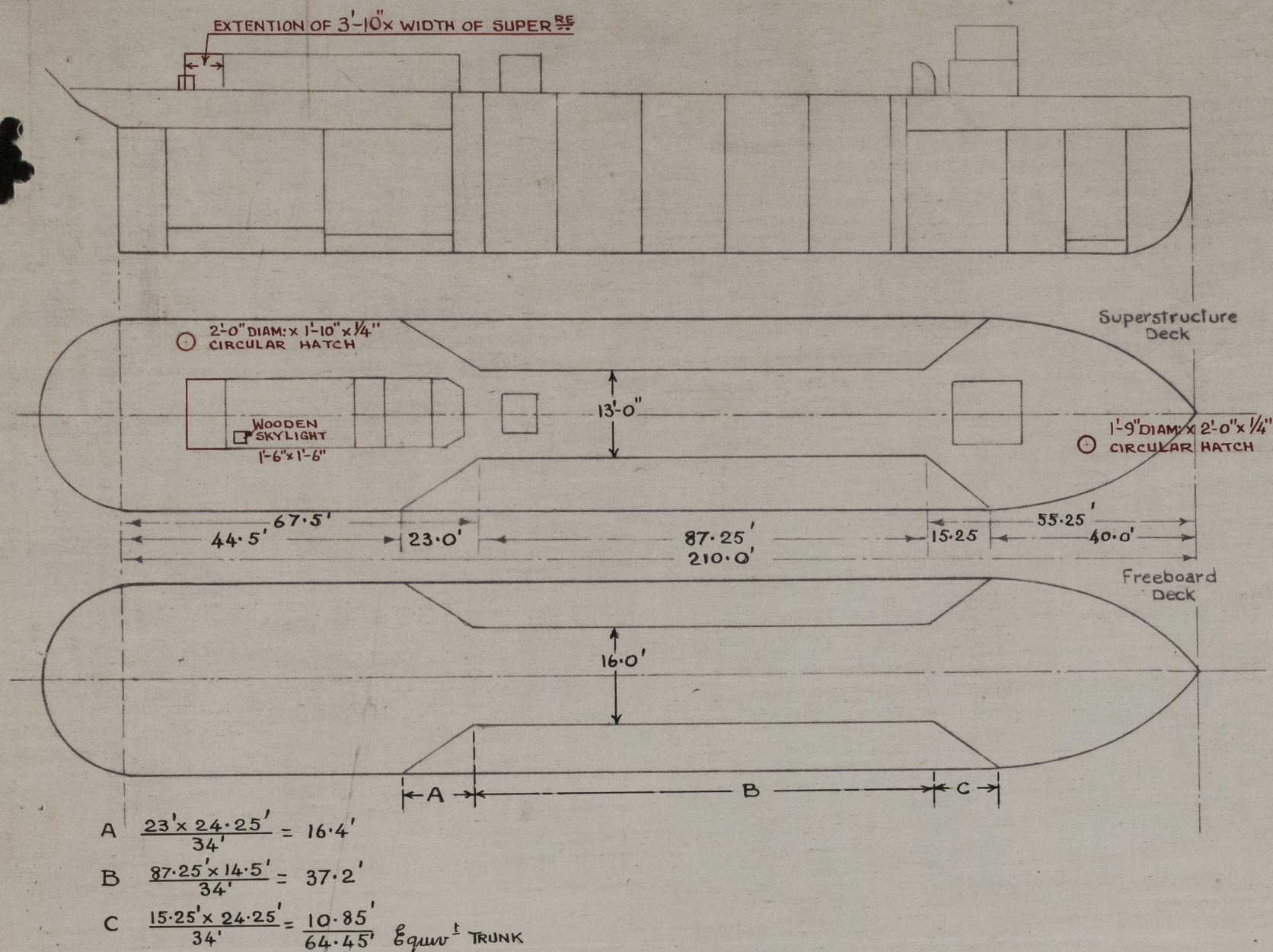
Wood Chart Room fitted above Captain & Chief Officers Cabins fitted with one sliding door 6'-0" x 2'-0" and 5 windows (4 in No 2'-0" x 2'-8" & 1 in No 1'-6" x 2'-9")



# "Boxol"

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches:-

MODIFIED IN RED OCT 1942  
Klopp.



State any special features in the construction of the ship:-

Vertical framing except from fore end of fresh water tank station 43 to after end of oil fuel bunker at station 29 which is longitudinal.