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Full Scantling. Flush Deck

Rpt. C.11.

Index. No. _____
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having _____

(Type of Superstructures.)

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
SALAWATI + SALETER				

Port of Survey _____

Date of Survey _____

Name of Surveyor _____

Particulars of Classification _____

Moulded Dimensions: Length 419·75 Breadth 54·5 Depth 36·0

Moulded displacement at moulded draught = 85 per cent. of moulded depth 15439 tons

Coefficient of fineness for use with Tables ·772

Depth for Freeboard (D)

Moulded depth ... ... 36·0

Stringer plate ... ... ·06

Sheathing on exposed deck

$T\left(\frac{L-S}{L}\right) =$

Depth for Freeboard (D) = 36·06

Depth correction

(a) Where D is greater than Table depth
(D—Table depth) R = (36·06 − 27·98) 3 = + 24·24
8·08

(b) Where D is less than Table depth (if allowed)
(Table depth—D) R =

If restricted by superstructures

Round of Beam correction

Moulded Breadth (B)

Standard Round of Beam $= \frac{B \times 12}{50} =$

Ship's Round of Beam =

Difference

Restricted to

Correction $= \frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right) =$ Standard.

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S_1)	Height	Height Correction	Effective Length (E)
Poop enclosed					
„ overhang					
R.Q.D. enclosed ...					
„ overhang ...					
Bridge enclosed					
„ overhang aft ...					
„ overhang forward					
F'cle enclosed					
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft ...					
„ „ forward					
Total					

Flush Deck

Standard Height of Superstructure _____

„ „ R.Q.D. _____

Deduction for complete superstructure _____

Percentage covered $\frac{S}{L} =$

„ „ $\frac{S_1}{L} =$

„ „ $\frac{E}{L} =$

Percentage from Table, Line A.
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.
(corrected for absence of forecastle (if required))

Interpolation for bridge less than ·2L (if required)

Deduction =

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{6}$L from A.P. ...		4				4	
$\frac{2}{6}$L „ ...		2				2	
Amidships ...		4				4	
$\frac{2}{6}$L from F.P. ...		2				2	
$\frac{1}{6}$L „ ...		4				4	
F.P.		1				1	
Total ...							

Mean actual sheer aft / Mean standard sheer aft =

Mean actual sheer forward / Mean standard sheer forward =

Length of enclosed superstructure / L forward of amidships =

„ „ aft of „ =

Standard.

Correction $= \frac{\text{Difference between sums of products}}{18} \left(\cdot 75 - \frac{S}{2L}\right) =$

If limited on account of midship superstructure.

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

		Ft.
Depth to Freeboard Deck	=	36·06
Summer freeboard	=	8·94
Moulded draught (d)	=	27·12

Deduction for Tropical freeboard and addition for Winter freeboard $= \frac{d}{4}$ inches =

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ =

Tons per inch immersion at summer load water line

T =

Deduction $= \frac{\Delta}{40\,T}$ inches

=

TABULAR FREEBOARD ~~corrected for Flush Deck (if required)~~

Correction for coefficient $\frac{\cdot 772 + \cdot 68}{1 \cdot 26} = \frac{1 \cdot 452}{1 \cdot 26}$

	+	−
Depth Correction	24·24	
Deduction for superstructures		
Sheer correction		
Round of Beam correction		
Correction for Thickness of Deck amidships ...		
Other corrections, scantlings, etc.		
	24·24	

77·72

82·96

+ 24·24

Summer Freeboard = 107·22

8 - 11¼

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc ... ...

Fresh Water Line „ „ ... ...

Tropical Line „ „ ... ...

Winter Line below „ ... ...

Winter North Atlantic Line „ „ ... ...

Tropical Fresh Water Freeboard ... ...

Fresh Water „ ... ...

Tropical „ ... ...

Winter „ ... ...

Winter North Atlantic „ ... ...

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5m,3,32.

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