

Basis F.S.F.D draught, for scantlings, assuming 20'-3" added to ship

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <i>Fort Ankerst</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length <i>330.25</i> Breadth <i>45</i> Depth <i>27.08</i>	Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons				Date of Survey <i>2.10.44.</i>
Coefficient of fineness for use with Tables <i>.68. assumed.</i>				Surveyor's Signature _____	
				Particulars of Classification _____	

<p>Depth for Freeboard (D).</p> <p>Moulded depth <i>27.08.</i></p> <p>Stringer plate <i>.03</i></p> <p>Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ ✓</p> <p>Depth for Freeboard (D) = <i>27.11</i></p>	<p>Depth correction.</p> <p>(a) Where D is greater than Table depth $(D - \text{Table depth}) R =$ $(27.11 - 22.02) \times 2.54 = +12.93.$ <i>5.09</i></p> <p>(b) Where D is less than Table depth (if allowed) (Table depth - D) R = ✓</p> <p>If restricted by superstructures</p>	<p>Round of Beam correction.</p> <p>Moulded Breadth (B)</p> <p>Standard Round of Beam = $\frac{B \times 12}{50} =$</p> <p>Ship's Round of Beam =</p> <p>Difference <i>assumed normal.</i></p> <p>Restricted to</p> <p>Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$ <i>NIL.</i></p>
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure _____
„ overhang						„ „ R.Q.D. _____
R.Q.D. enclosed						Deduction for complete superstructure _____
„ overhang						Percentage covered $\frac{S}{L} =$
Bridge enclosed						„ „ $\frac{S_1}{L} =$ <i>nil.</i>
„ overhang aft						„ „ $\frac{E}{L} =$
„ overhang forward						Percentage from Table, Line A. (corrected for absence of forecastle (if required))
F'cle enclosed						Percentage from Table, Line B. (corrected for absence of forecastle (if required))
„ overhang						Interpolation for bridge less than 2L (if required)
Trunk aft						Deduction = <i>nil.</i>
„ forward						
Tonnage opening aft						
„ „ forward						
Total						

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product	
A.P.		1					1			Mean actual sheer aft =
$\frac{1}{8}L$ from A.P.		4					4			Mean standard sheer aft =
$\frac{2}{8}L$ „		2					2			Mean actual sheer forward =
Amidships		4					4			Mean standard sheer forward =
$\frac{2}{8}L$ from F.P.		2					2			Length of enclosed superstructure forward of amidships =
$\frac{1}{8}L$ „		4					4			„ „ aft of „ =
F.P.		1					1			
Total										

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

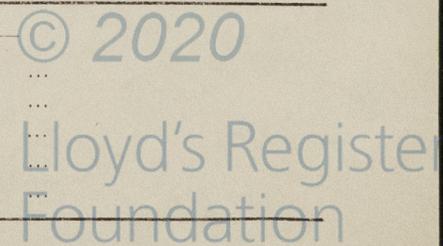
If limited on account of midship superstructure.

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

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = <i>27.11.</i></p> <p>Summer freeboard = <i>5.33</i></p> <p>Moulded draught (d) = <i>21.78</i></p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =</p> <p>Addition for Winter North Atlantic Freeboard (if required) =</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line</p> <p>$\Delta =$</p> <p>Tons per inch immersion at summer load water line</p> <p>$T =$</p> <p>Deduction = $\frac{\Delta}{40T}$ inches =</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient <i>NIL.</i></p> <table border="1"> <tr> <td></td> <td>+</td> <td>-</td> </tr> <tr> <td>Depth Correction</td> <td><i>12.93</i></td> <td>-</td> </tr> <tr> <td>Deduction for superstructures</td> <td>-</td> <td>-</td> </tr> <tr> <td>Sheer correction</td> <td>-</td> <td>-</td> </tr> <tr> <td>Round of Beam correction</td> <td>-</td> <td>-</td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td>-</td> <td>-</td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td><i>12.93</i></td> <td>-</td> </tr> </table> <p>Summer Freeboard = <i>64.00</i></p>		+	-	Depth Correction	<i>12.93</i>	-	Deduction for superstructures	-	-	Sheer correction	-	-	Round of Beam correction	-	-	Correction for Thickness of Deck amidships	-	-	Other corrections, scantlings, etc.	-	-		<i>12.93</i>	-	<p><i>51.07</i></p> <p><i>51.07</i></p>
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:

Tropical Fresh Water Line above Centre of Disc	Tropical Fresh Water Freeboard
Fresh Water Line „ „	Fresh Water „ „
Tropical Line „ „	Tropical „ „
Winter Line below „ „	Winter „ „
Winter North Atlantic Line „ „	Winter North Atlantic „ „



= 21'-9 1/4"