

LLOYD'S REGISTER OF SHIPPING
SURVEYS FOR FREEBOARD

OPEN COND.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP~~, TANKER)Received
Index No.
Govt. Copy
Owners C11

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
"GUANG MING"	-----	CHINESE CANTON	7314.16 7300	1965

Port of Survey FLUSHINGDate of Survey WHILST BUILDINGSurveyor's Signature K. H. L. afflu

Moulded Dimensions: Length 468.12' Breadth 65.62' Depth 31.69'
Freeboard Length 467.69' (TO CENTRE OF RUDDERSTOCK)
Moulded displacement at moulded draught = 85 per cent. of moulded depth 16.660 tons
(excluding boosing)
Coefficient of fineness for use with Tables 0.705

Particulars of Classification * 100 A 1
Strengthened for heavy cargoes contemplated.

DEPTH FOR FREEBOARD (D).

Moulded depth 31.69
Stringer plate034
Wood Sheathing on exposed deck
 $T \left(\frac{L-S}{L} \right) =$
Depth for Freeboard (D) = 31.72

DEPTH CORRECTION.

(a) Where D is greater than Table depth
(D-Table depth) R =
 $(31.72-31.10) 3 = +1.62$
(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) 65.62
Standard Round of Beam = $\frac{B \times 12}{50} =$ 15.75
Ship's Round of Beam = 14.12
Difference 15.75
Restricted to $\frac{15.75}{4} (1 - .9869) =$ +0.01"
Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right)$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed P.T.O...	11.00	11.00			11.00
" overhang ...	14.90	7.45			7.45
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward ...	436.88		9.32		436.88
F'cle enclosed ...					
" overhang ...					
Trunk aft ...					
" forward ...		0.52 DIFF			
Tonnage opening aft ...	4.91	6.18			6.18
" forward ...					
Total ...	467.69	461.51			461.51

Standard Height of Superstructure 7.50'" " R.Q.D. 42"Deduction for complete superstructure 42"Percentage covered $\frac{S}{L} =$ 100 $\frac{S_1}{L} =$ 98.68
 $\frac{E}{L} =$ 98.36Percentage from Table, Line A. +B 98.36

(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 = $42" \times .9836 = 41.31"$

SHELTER DECK

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	56.77	1	56.77	80.95	102.79	1	102.79
1/2 L from A.P. ...	25.26	4	101.04	36.18	45.73	4	182.92
1/2 L " ...	6.25	2	12.50	.59	11.31	2	22.62
Amidships ...	0	4	0	0	0	4	0
1/2 L from F.P. ...	12.50	2	25.00	19.72	15.30	2	30.60
1/2 L " ...	50.53	4	202.12	58.70	61.84	4	247.36
F.P. ...	113.54	1	113.54	117.13	138.97	1	138.97
Total ...			510.97	421.84			725.26

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{214}{18} (.75 - .05) = -2.98$
If limited on account of midship superstructure. NO

Mean actual sheer aft =
Mean standard sheer aft =Mean actual sheer forward =
Mean standard sheer forward =Length of enclosed superstructure forward of amidships =
" " aft of " =

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 31.72
Summer freeboard = 4.29
Moulded draught (d) = 27.43
Keel allowance =
Extreme draught =
Deduction for Tropical freeboard and addition for = 6.86"
Winter freeboard = $\frac{d}{4}$ inches = 6 3/4"
Addition for Winter North Atlantic Freeboard (if required) = NOT REQD

Deduction for Fresh Water.

Displacement in salt water at summer load water line
 $\Delta =$ 17.100
Tons per inch immersion at summer load water line
T = 60.6
Deduction = $\frac{\Delta}{40 T}$ inches =
7 1/4 AS SISTER

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient -705 + .68
1.36

	+	-
Depth Correction	1.62	-
Deduction for superstructures	-	41.31
Sheer correction	-	2.98
Round of Beam correction	.01	-
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	-	-
	1.63	44.29

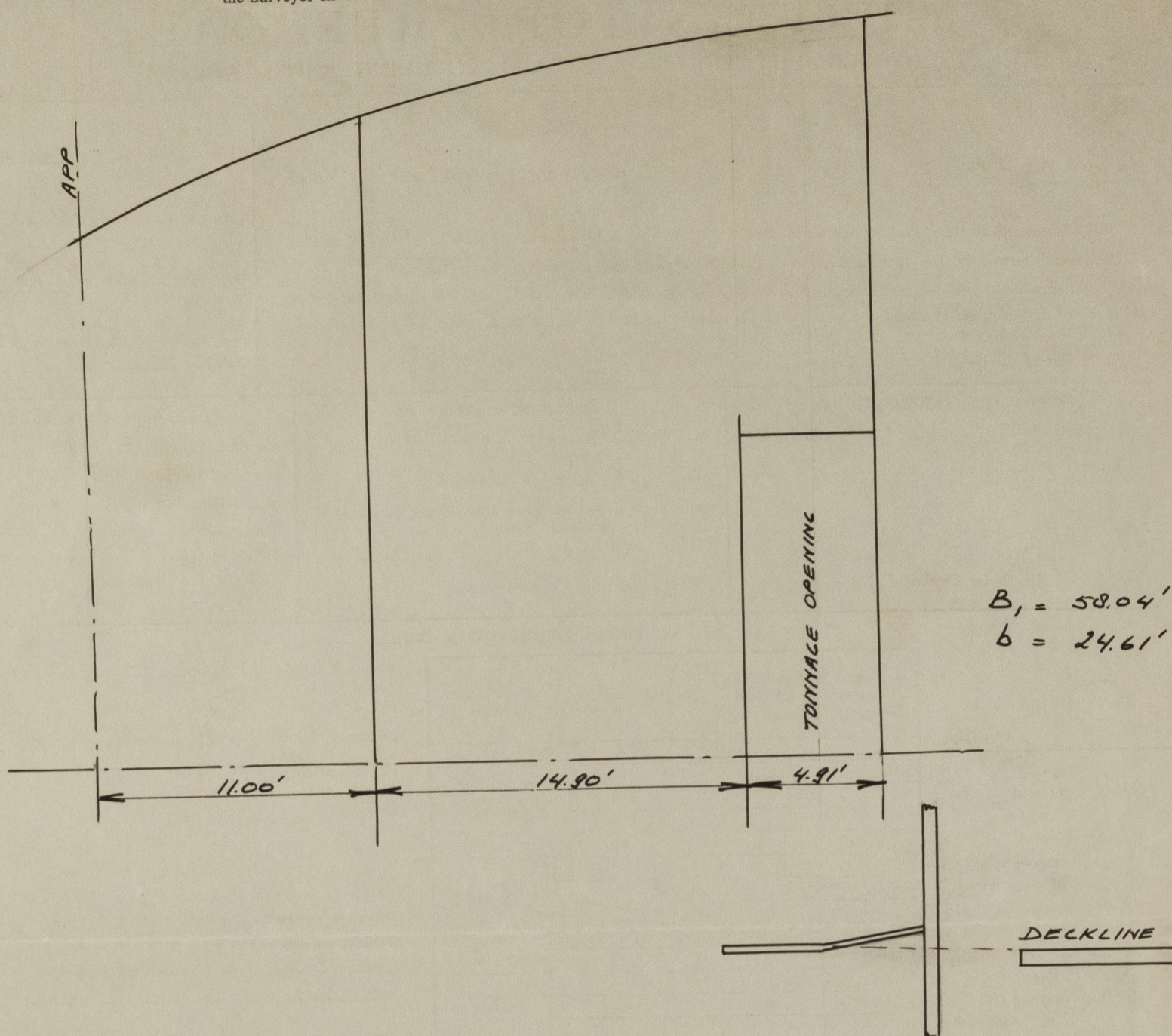
Summer Freeboard = 51.62SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~ Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc 14"
Fresh Water Line " " 7 1/4"
Tropical Line " " 6 3/4"
Winter Line below " " 6 3/4"
Winter North Atlantic Line " " NOT REQD

Tropical Fresh Water Freeboard 4' - 3 1/4"
Fresh Water " 3' - 1 1/2"
Tropical " 3' - 8 1/4"
Winter " 4' - 10 1/4"
Winter North Atlantic " NOT REQD

113 APR 1965

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.



Trade of ship UNRESTRICTED

Names of sister ships SEA AMBER & C

Builder's name and yard number N.V. KON. MAATS. DE SCHELDE Y.N. 327

Owners CHINA NATIONAL MACHINERY IMPORT & EXPORT CORPORATION, PEKING/CHINA

Fee £ 40% OF FULL FEE OF 965. - = FL. 386. -

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950", paragraph 11.)

002 MIDSHIP SECTION
010¹²² CONSTRUCTION PLAN



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Foundation