

COPY

AMERICAN BUREAU OF SHIPPING

Form L.L.2

FRIGBOARD CALCULATION

ISLEX Steamer

DATE 5-28-36

HULL NO. 318

NAME W.D. CALVERLEY

L = 387'8"

TYPE Bulk Freighter

BUILDER American Ship Building Co. B = 50'0"

FRACTIONS Pole

OWNER Pioneer S.S. Co. D = 28'1"

D₁ = 28.15'

Block Coefficient

$$\frac{32}{387.67} \times \frac{11992}{50 \times 23.87} = .829$$

Coefficient

$$.829 + .68 = \frac{1509}{1360} \times 62.72 = 69.59$$

FREEBOARD DEPTH

$$\text{MOULDED D} = 28.08 =$$

$$\text{STRINGER} = .07 \frac{T(L-S)}{L} =$$

$$D_f = 28.15$$

or =

DEPTH

$$D_f = 28.15$$

$$\frac{387.67}{15} = 25.84$$

$$2.31 \times \frac{387.67}{130} = 6.89$$

SUPERSTRUCTURE

BRIDGE

$$4'0" \text{ FORECASTLE } 48'0" \times \frac{4}{7.38} = 26.02$$

BRIDGE

=

POOP

=

$$\frac{E}{L} = \frac{26.02}{387.67} = .067$$

$$41.18 \times .0335 = 1.38$$

TABLE AT L

62.72

AT .829

69.59

DEPTH

6.89

SUPERSTRUCTURE

76.48

- 1.38

75.10

SKEEL

7.09

CAMBER

82.19

0

82.19

Deficiencies *

7.00

Freeboard

89.19

7'5-1/4"

* After deckhouse & hatches.

SWEEP

STANDARD

VESSEL

NO.	HEIGHT	ORDINATE	MULT	ORDINATE	F(A)
A.P.	.1 L + 10	48.77	1	30.5	30.5

$$1/6 \quad .0445 L + 4.45 \quad 4 \quad 10.5 \quad 42.0$$

$$1/3 \quad .011 L + 1.1 \quad 2 \quad 0 \quad 0$$

0

4

0

0

$$1/3 \quad .022 L + 2.2 \quad 2 \quad 7.0 \quad 14.0$$

$$1/6 \quad .089 L + 8.9 \quad 4 \quad 27.0 \quad 108.0$$

$$F.P. \quad .2 L + 20 \quad 97.53 \quad 1 \quad 59.0 \quad 59.0$$

438.90

253.50

253.50

$$\frac{185.40}{18} = 10.30 \times (.75 - \frac{.124}{2}) = 7.09$$

MOULDED D

= 28'1"

STRINGER

= 7/8"

WOOD DECK

=

REBOARD

=

1-3/4"

CAMBER

$$\text{STANDARD } \frac{50 \times 12}{50} = 12.00$$

$$\text{VESSEL } = 12.00$$

$$\text{DIFFERENCE } = 0$$

$$\frac{0}{4} \times = 0$$

RAIL

LAP OR STRAP

FREEBOARD

EXTREME D

MOULDED D

© 2020

28'3-5/8"

= 7'5-1/4"

20'10-3/8"

= 1-3/4"

20'8-5/8"

Lloyd's Register Foundation

004374-004381-0151