

384 x 50 x 28'6"  
78.5 and 30180  
10.52 13.47

PRINCIPAL DIMENSIONS  
LENGTH ON UPPER DECK 384' 0"  
BREADTH MOLDED 50' 0"  
DEPTH MOLDED TO UPPER DECK 28' 6"

SCANTLING, SUCH AS WOULD BE APPROVED FOR LLOYD'S 100 A

NUMERALS  
B+D = 50.12 + 28.5 = 78.62 TRANSVERSE NUMBER  
L/(B+D) = 384 / 78.62 = 30180 LONGITUDINAL NUMBER

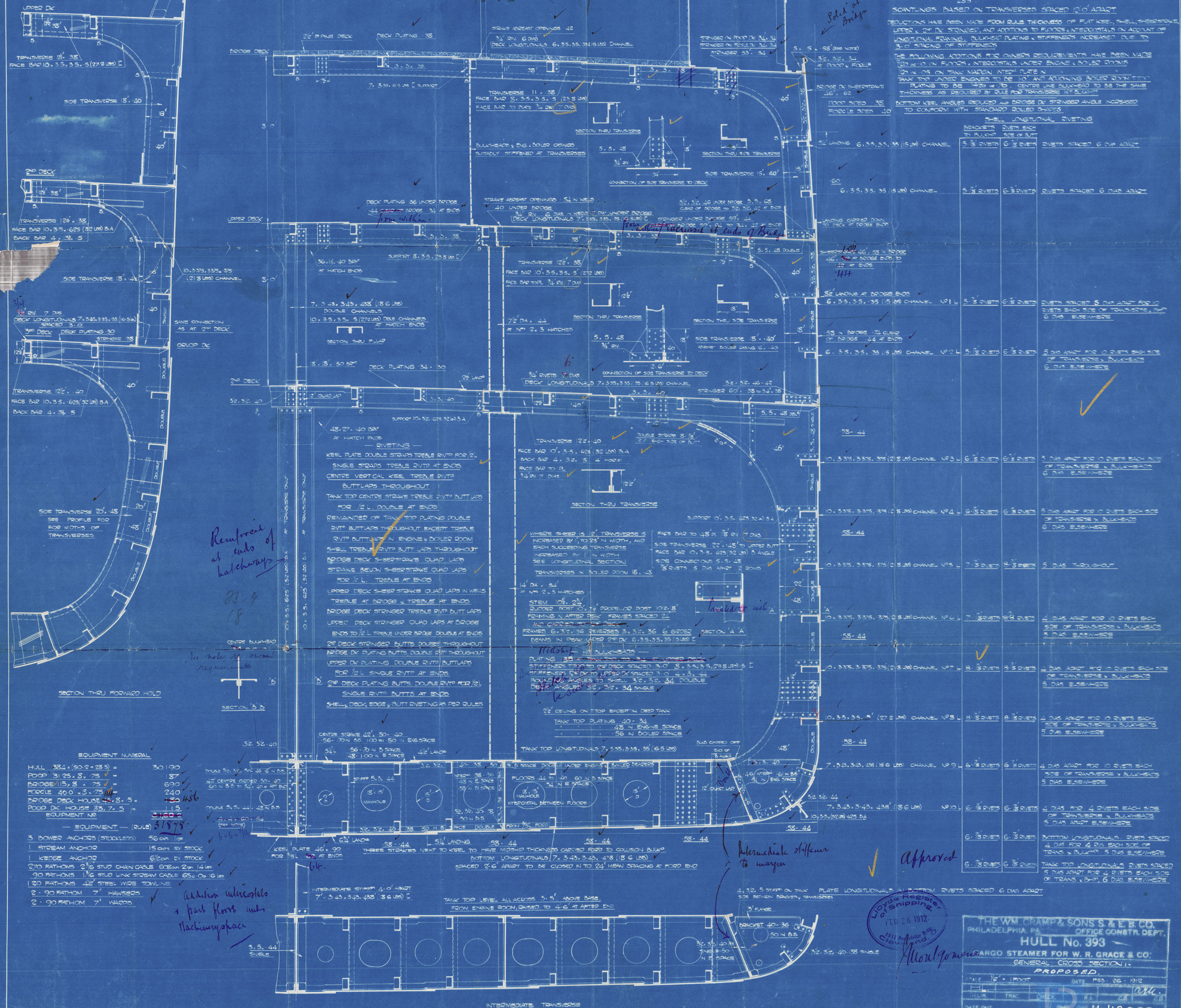
PROPORTIONS  
 $\frac{L}{B} = \frac{384}{50} = 7.68$  TO BRIDGE DECK  
 $\frac{L}{D} = \frac{384}{28.5} = 13.47$  TO UPPER DECK

SCANTLING BASED ON TRANSVERSES SPACED 10' APART

REDUCTIONS HAVE BEEN MADE FROM RULE THICKNESS OF PLATE, KEEL, SHEERSTAKE, UPPER & 2ND DECK STRINGER, AND ADDITIONS TO FLOORS, INTERCOSTALS ON ACCOUNT OF LONGITUDINAL FRAMING. BULKHEAD PLATING & STIFFENERS INCREASED DUE TO 3'-0" SPACING OF STIFFENERS

THE FOLLOWING ADDITIONS FOR OWNERS REQUIREMENTS HAVE BEEN MADE  
2ND DECK ON FLOORS, INTERCOSTALS UNDER ENGINE & BOILER ROOMS  
2ND DECK ON TANK WAGON INTERCOSTALS  
TANK TOP UNDER ENGINES TO BE 10' AND ALLOWING BOLTER RIVETTING PLATING TO BE 1420 x 70. CENTRE LINE BULKHEAD TO BE THE SAME THICKNESS AS REQUIRED BY RULE FOR TRANSVERSE WITH BULKHEAD

BOTTOM KEEL ANGLES REDUCED AND BRIDGE DECK STRINGER ANGLE INCREASED TO CONFORM WITH STANDARD ROLLED SHAPES



- EQUIPMENT MATERIAL
- HULL 384 x (50.12 + 28.5) = 30180
  - POOP 31.25 x 8.75 = 273
  - BRIDGE 15.8 x 7.5 = 118.5
  - POORCE 40.0 x 3.75 = 150
  - BRIDGE DECK HOUSE 15.8 x 5 = 79
  - POOP DECK HOUSE 33.7 x 5 = 168.5
- EQUIPMENT NO. 31875
- EQUIPMENT — (RULES)
- 3 POWER ANCHORS (STOCKLESS) 56 OR 112
  - 1 STEAM ANCHOR 15 OR 30 STOCK
  - 1 KEDGE ANCHOR 6 OR 12 STOCK
  - 270 FATHOMS 2 1/2" STUD CHAIN CABLE 60822 2 in 14 in
  - 90 FATHOMS 1 1/2" STUD LINK STEAM CABLE 65000 16 in 6 in
  - 120 FATHOMS 4 1/2" STEEL WIRE TOWLINE
  - 2 - 90 FATHOM 7" HAWSEERS
  - 2 - 90 FATHOM 7" WARPS
- Additional wire/cables & pack floors with Machinery space

THE WM CRAMP & SONS S.A. & E. CO.  
PHILADELPHIA, PA. OFFICE CONSTR. DEPT.  
HULL No. 393

ARGO STEAMER FOR W. R. GRACE & CO.  
GENERAL CROSS SECTION 1

PROPOSED

DATE FEB. 26, 1912

FILE 1/2" 11000

DATE OUT

H-42003



N<sup>o</sup> 393

Approved Section

Wm. Craup & Son

See amended Section

PHILADELPHIA.

"Barbara"

Santa Cruz

Pha 1992.

WS-0057

TRANS  
FACE BAR 10  
BACK BAR 2



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Foundation