S.S. "El Dorado" Nwc. Report No. 16194

9.12.81

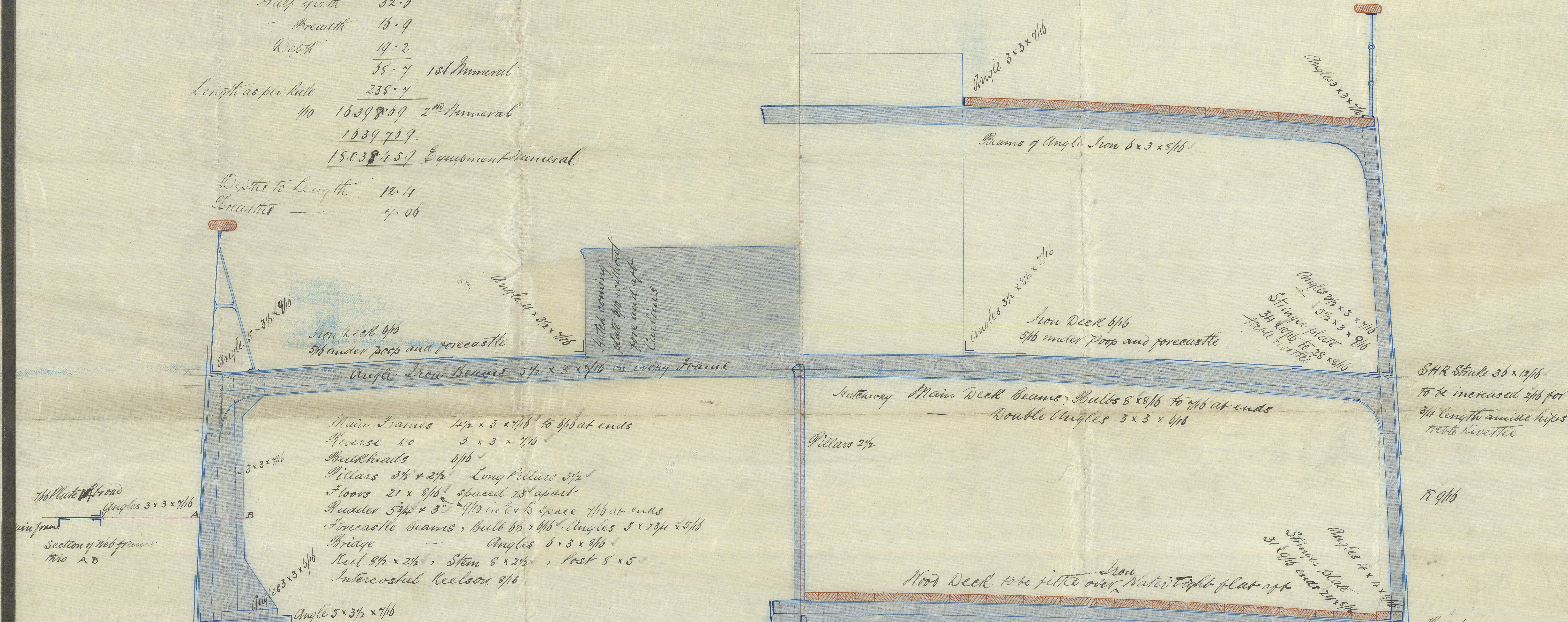
MIDSHIP SECTION SS 78

TO CLASS 100A

DIMENSIONS 240 × 34 ext × 17·5½

Half Girth 32·6
– Breadth 16·9
Depth 19·2
68·7 1st Numeral
Length as per Rule 238·7
1/10 16398·69 2nd Numeral
1639769
18038·459 Equipment Numeral

Depths to Length 12·4
Breadths — 7·06



Angle 5 × 3½ × 9/16
Iron Deck 6/16
5/16 under poop and forecastle
Angle 4 × 3½ × 7/16
Hatch coming plate 6/16 without fore and aft Carlines
Angle 3 × 3 × 7/16
Angles 3½ × 3½ × 7/16
Iron Deck 6/16
5/16 under Poop and forecastle
Angles 3 × 3 × 7/16
Beams of Angle Iron 6 × 3 × 8/16
Angles 3½ × 3 × 7/16
5½ × 3 × 9/16
Stringer plate 34 × 10/16 to 28 × 8/16
treble rivetted
Angle Iron Beams 5½ × 3 × 8/16 on every Frame
SHR Strake 36 × 12/16
to be increased 2/16 for 3/4 length amidships
treble rivetted
Hatchway
Main Deck Beams, Bulbs 8 × 8/16 to 7/16 at ends
Double Angles 3 × 3 × 6/16
Pillars 2½
3 × 3 × 7/16
7/16 Plate 16" broad
Angles 3 × 3 × 7/16
A
B
Main frame
Section of Web frame thro AB
K 9/16
Angles 4 × 4 × 8/16
Stringer plate 31 × 9/16 ends 24 × 8/16
Wood Deck to be fitted over Iron Water tight flat aft
H 10/16
Angles 3 × 3 × 6/16
Angle 5 × 3½ × 7/16
Hold Beams ~~of extra strength~~
Bulbs 8 × 9/16 Angles 3 × 3 × 8/16
Placed on every 2nd & 4th frame alternately as shewn on Profile
Web frames spaced as shewn on Profile
Pillar 3½
Pillars 3⅛
7/16 Plate 16" broad
Angles 3 × 3 × 7/16
Plate 7/16
C
D
Main frame
Section of Web frame thro CD
Angle 3 × 3 × 7/16
G 9/16 treble rivetted
Angles 5 × 3½ × 9/16
Ceiling 2½
Angles in engine space 5 × 3½ × 9/16
Centre Keelson. Rider Plate 10¾ × 12/16
16 × 12/16 in engine Room
16 × 10/16 in tanks
Bulb 8 × 8/16
Angles 5 × 3½ × 9/16
in engine room extending 3 frames into tank
F 11/16 for half length
F treble rivetted
Angles 3 × 3 × 7/16
6/16 Plate
Angles 3 × 3 × 6/16
Angles 3 × 3 × 6/16
Angles 3 × 3 × 6/16
Angles 3 × 3 × 6/16
Angles 3½ × 3½ × 9/16
Angles 5 × 3½ × 9/16
Angles 5 × 3½ × 9/16
Plate 8/16
3 × 3 × 7/16
E 10/16 for half length
treble rivetted
G B D
34 × 11/16 to 10/16
B 10/16 to 9/16
C 9/16
D 10/16

Main Frames 4½ × 3 × 7/16 to 6/16 at ends
Reverse Do 3 × 3 × 7/16
Bulkheads 6/16
Pillars 3⅛ & 2½ Long Pillars 3½
Floors 21 × 8/16 spaced 23" apart
Rudder 5¾ & 3" 9/16 in E & B space 7/16 at ends
Forecastle Beams, Bulb 6½ × 6/16, Angles 3 × 2¾ × 5/16
Bridge — Angles 6 × 3 × 8/16
Keel 8½ × 2½, Stem 8 × 2½, Post 8 × 5
Intercostal Keelson 8/16

NORTH SHIELDS
7/12/81

The arrangement of flange plate and bracket knees to double bottom to be to the satisfaction of Surveyors

8/12/81

SCALE 1/2 INCH

T. & W. SMITH
SHIP BUILDERS

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