

# MIDSHIP SECTION

## Nº 151

SCALE  $\frac{1}{2}$  IN  $\approx$  1 FOOT

Length as per Rule ..... 312'0"  
 Breadth, moulded ..... 45'10"  
 Depth, moulded ..... 27'6"

Created midship section of  
 Ship "Liberal" as built  
 Sunday 22nd March 1892.

Midship House Beams 11" x 7" 1/2  
 and angles 3" x 3" 1/2

### Scantlings of Poop, Midship House and Forecastle

#### Side plating to be 7/16

#### Beams - Poop

Beams of 8" x 8" built  
 and double angles 3" x 3" 1/2

#### Forecastle beams of

increased at ends  
 and double angles 3" x 3" 1/2

#### Stringers - Poop and Mid-

ship House stringers to  
 be 3" x 3" 1/2, the ends of the  
 Poop stringer to be 3" x 3" 1/2

#### Ties - Poop, Midship house

and Forecastle tie plates  
 to be 13" x 3" 1/2

#### Butt straps

The whole of the butt straps of  
 the shell plating all fore  
 and aft are to be triple  
 riveted with the back  
 row of rivets spaced 5  
 to 5 1/2" apart and to  
 be 7/16 of an inch thicker  
 than the plates they connect  
 for 3/4 length amidships  
 and 3/8 of an inch thicker  
 than the plates they connect  
 at the ends. The butt straps  
 of the sheer strake to be  
 placed outside.

#### The butts of the main deck

stringer plates are to be  
 lapped and triple riveted  
 all fore and aft with  
 three full rows of rivets.

#### The butts of the lower deck

stringer plates are to be  
 lapped and double  
 riveted all fore and aft.

#### The butts of all tie plates

are to be lapped and  
 double riveted all fore  
 and aft.

#### The butts of the iron deck

are to be lapped and  
 double riveted for half  
 length, the remainder  
 to be lapped and  
 single riveted.

#### Riveting

The rivets in the butt straps  
 of the outside plating and  
 upper deck stringer plates  
 to be spaced not more  
 than 3 1/2" apart C.  
 to C. except in the back  
 rows where they may be  
 5 to 5 1/2" apart C.  
 to C.

30" x 3" 1/2 - 7/16 in way of  
 Poop, Midship House and  
 Forecastle.

36" x 3" 1/2 - 7/16 in way of  
 Poop, Midship House  
 and Forecastle.

Sheer strake 3" 1/2 thicker  
 than rule for 3/4 length  
 4 1/2" x 7/16 for 3/4 length  
 ends 7/16 aft and  
 12/16 forward

5 1/2" x 7/16 for 3/4 length  
 ends 7/16

4 1/2" x 7/16 for 3/4 length  
 ends 7/16 forward  
 7/16 aft

5 1/2" x 7/16 for 3/4 length  
 ends 7/16

4 1/2" x 7/16 for 3/4 length  
 ends 7/16 forward  
 7/16 aft

5 1/2" x 7/16 for 3/4 length  
 ends 7/16

4 1/2" x 7/16 for 3/4 length  
 ends 7/16 forward  
 7/16 aft

5 1/2" x 7/16 for 3/4 length  
 ends 7/16

4 1/2" x 7/16 for 3/4 length  
 ends 7/16 forward  
 7/16 aft

5 1/2" x 7/16 for 3/4 length  
 ends 7/16

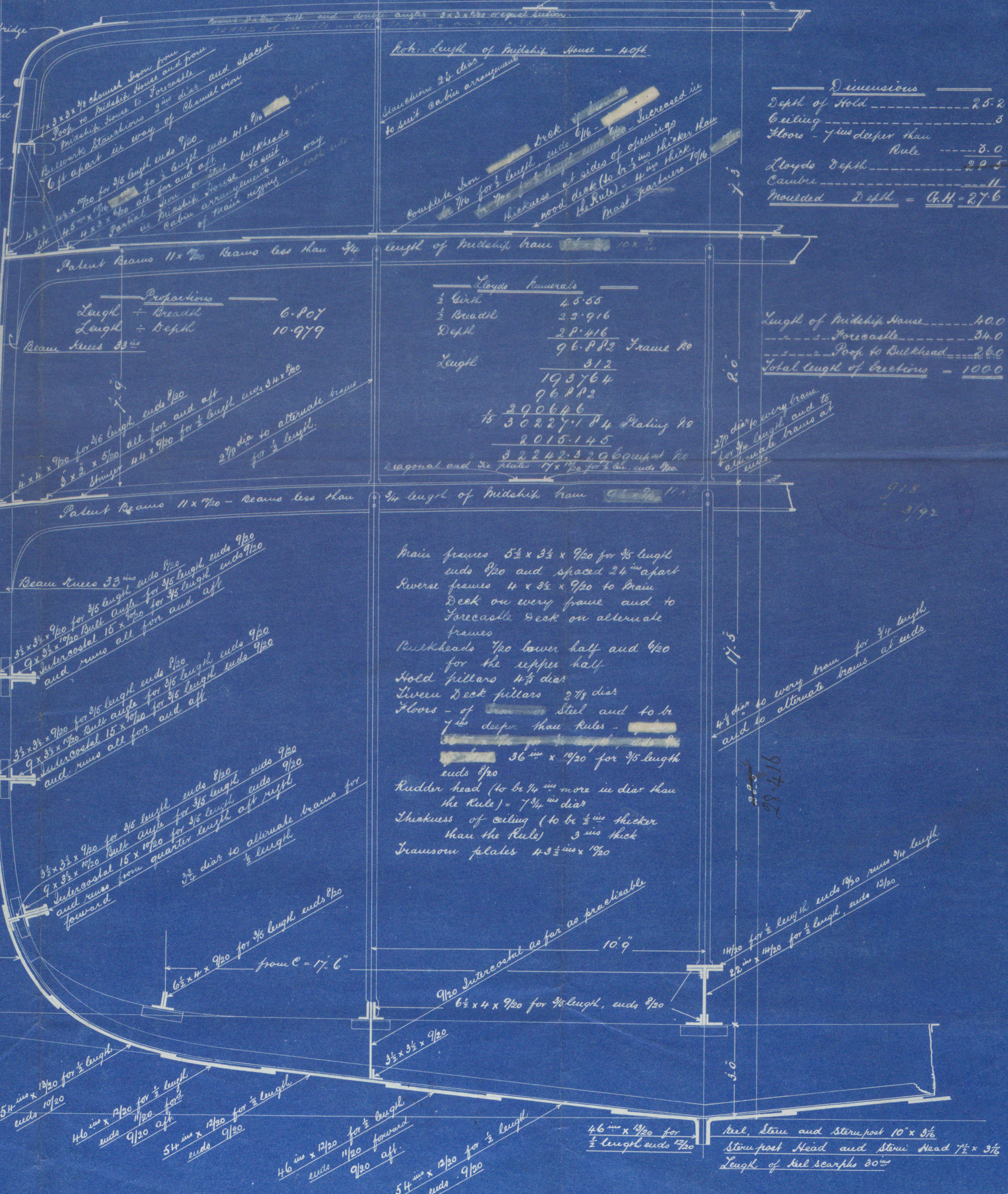
4 1/2" x 7/16 for 3/4 length  
 ends 7/16 forward  
 7/16 aft

5 1/2" x 7/16 for 3/4 length  
 ends 7/16

4 1/2" x 7/16 for 3/4 length  
 ends 7/16 forward  
 7/16 aft

5 1/2" x 7/16 for 3/4 length  
 ends 7/16

4 1/2" x 7/16 for 3/4 length  
 ends 7/16 forward  
 7/16 aft



Bot. Length of Midship House - 40ft.

Strandings 2 1/2" dia. 1/2" apart

to suit cabin arrangement

Complete iron deck 1/2" thick

for 3/4 length, ends 7/16

Increased in thickness at sides of openings

wood deck (to be 3" thick)

the Rule - 4" thick

most partures 10/16

Length of Midship beam 10 x 7/16

Lloyd's Rules

1/2 dia. 45.55

1/2 breadth 33.916

Depth 28.416

96.882 Frame R.

Length 312

193764

76.882

15 290646

30227184 Plating R.

2015145

32242.326 Comput. R.

Diagonal and tie plates 17 x 7/16 for 3/4 length, ends 7/16

4 1/2" dia. to every beam for 3/4 length

and to alternate beams at ends

3 1/2" dia. to alternate beams for 1/2 length

at ends

3 1/2" dia. to alternate beams for 1/2 length

at ends

3 1/2" dia. to alternate beams for 1/2 length

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at ends

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at ends

3 1/2" dia. to alternate beams for 1/2 length

at ends

3 1/2" dia. to alternate beams for 1/2 length

at ends

3 1/2" dia. to alternate beams for 1/2 length



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