

6:30:05  
18:3:05

Heating Surface	1 Boiler
Tubes $\frac{5}{8} \times 7'5" \times 363$	2283 sq. ft.
Fireman	163
Comb. Chamber	250
Back tube plate	45
Front	40
	2783 sq. ft.
Total 2 Boilers	5566 sq. ft.

Working pressure 180 lbs.  
Test 360

Boilers - 2 off.  
Scale 1 inch = 1 ft.

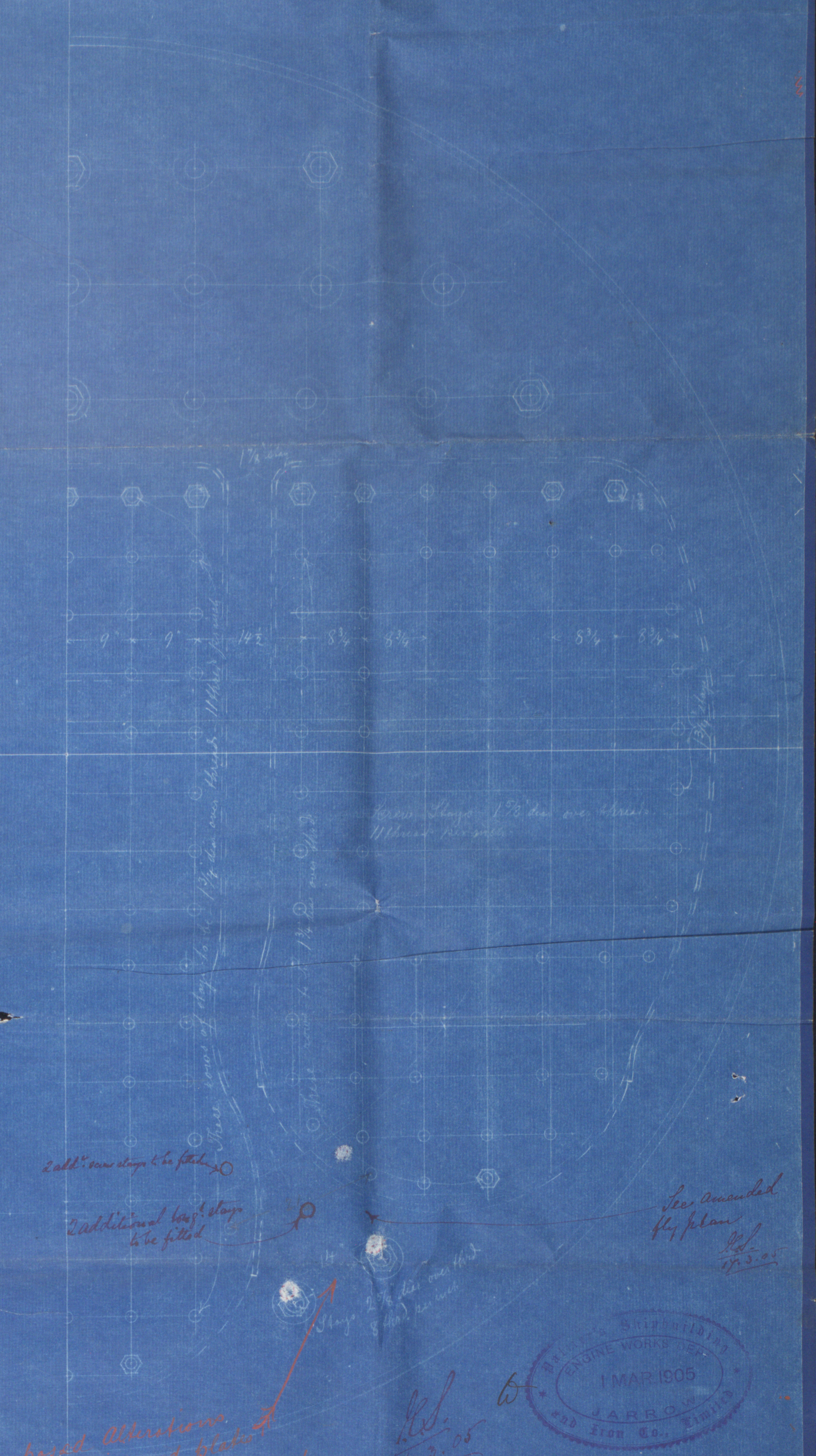
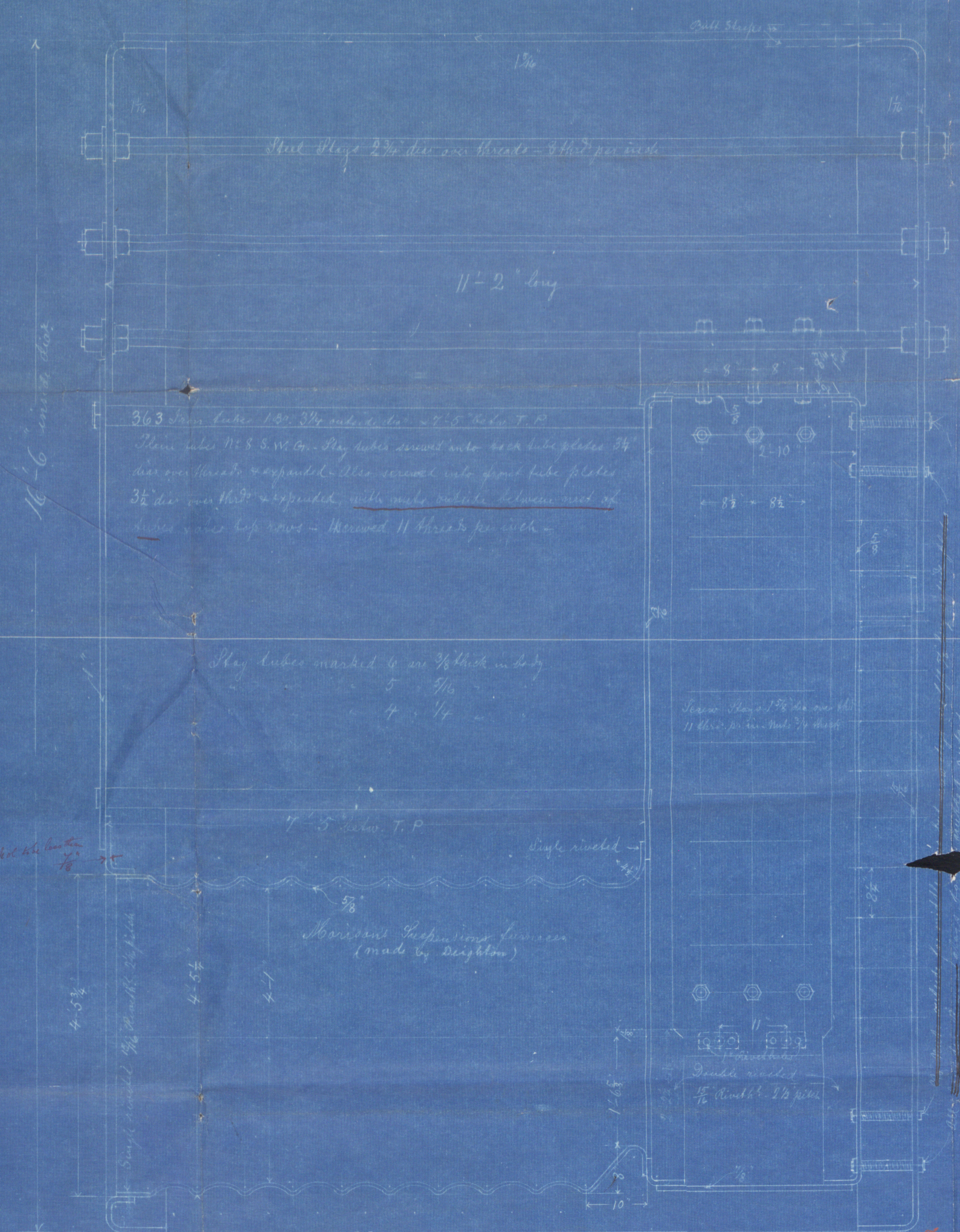
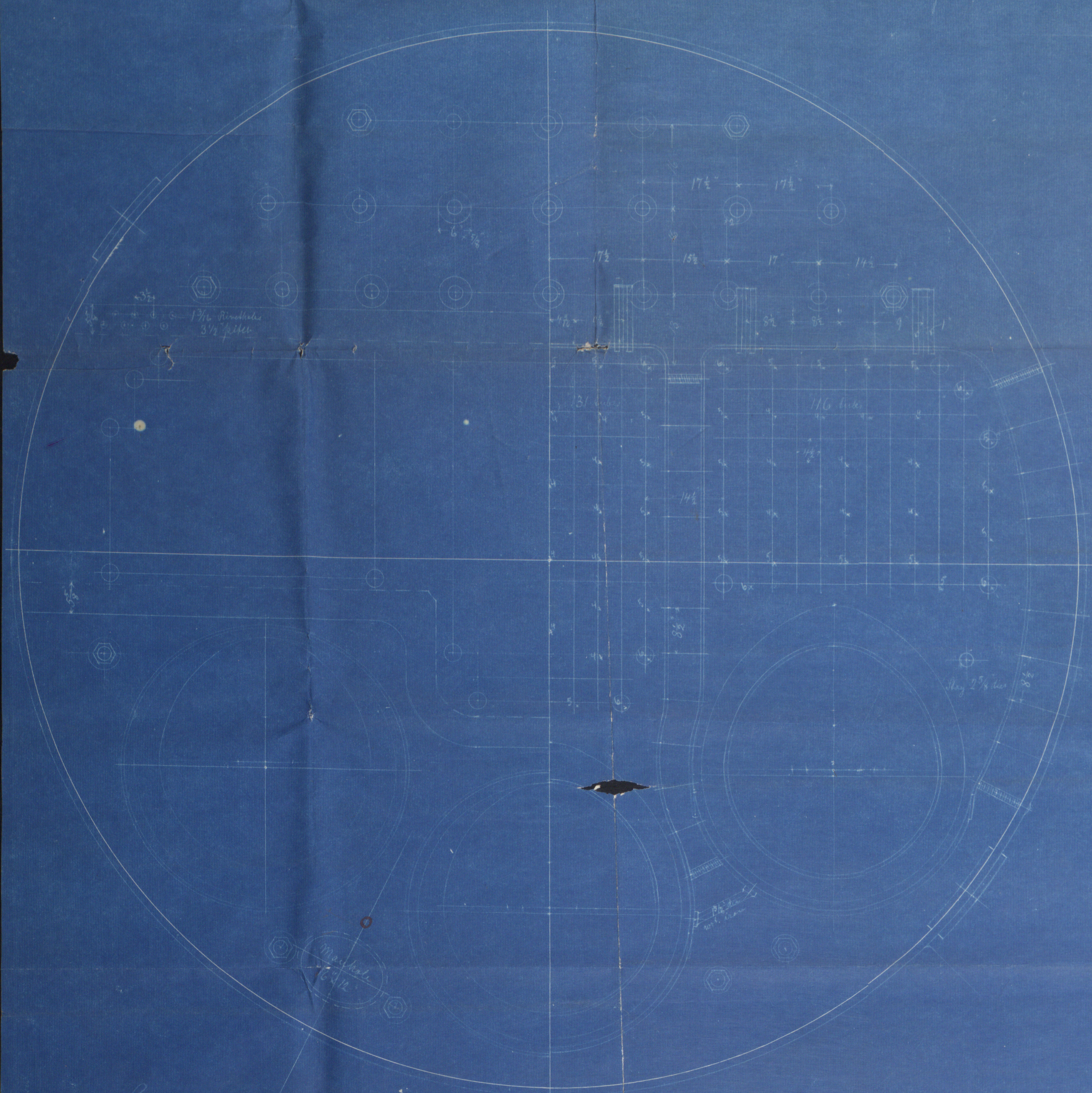
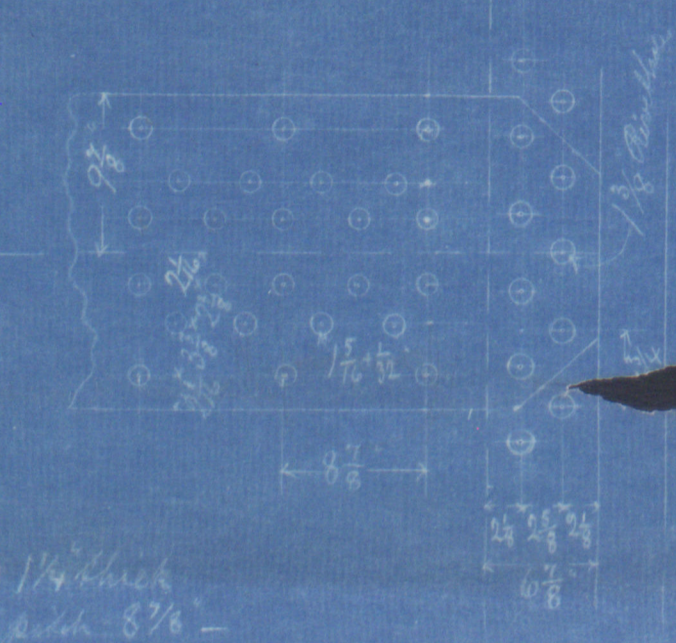
All steel except where otherwise stated

### Condition of Construction

Excluding some double butt shell joints, circumferential seams double riveted lap joints, all rivets drilled in place after bending the plates then taken apart and the turn taken off and the hole slightly reamed from the inside.

Boards  
Tensile strength of shell plate 29-32 tons  
Double butt lap joint 22.58  
Long stay 185  
Short stay 135  
Stay tubes 140 & 150  
Life strength of plate of iron 85.0  
(106.0  $\times \frac{25}{100}$ ) - 90.3

Shell Riveting  
Double butt shell joint  
Shell plate 13/16" - Butt stays 1/4" thick  
Rivet tubes 13/16" - Grooved pitch 8 3/4"



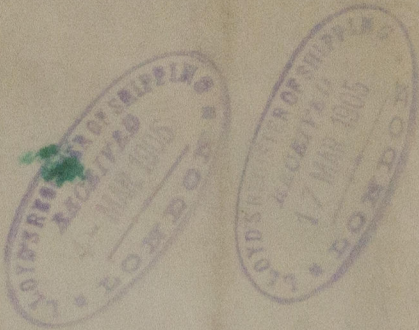
Engine No 758

See proposed alterations to design of shell and plates for stay added - 18/3/05

See amended plan 18/3/05  
No 17101  
3/3/05



Palmer Co Eng 758  
Two main Bibles  
180 lbs



No 7046  
Lloyd's List  
360 lbs  
Y. Y.  
28. 7.05

J. J. King Bladdyn  
Newcastle Report  
No 14968

RETAIN

W860-0004



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Lloyd's Register  
Foundation