

1/5/14

# HORIZONTAL DONKEY BOILER.

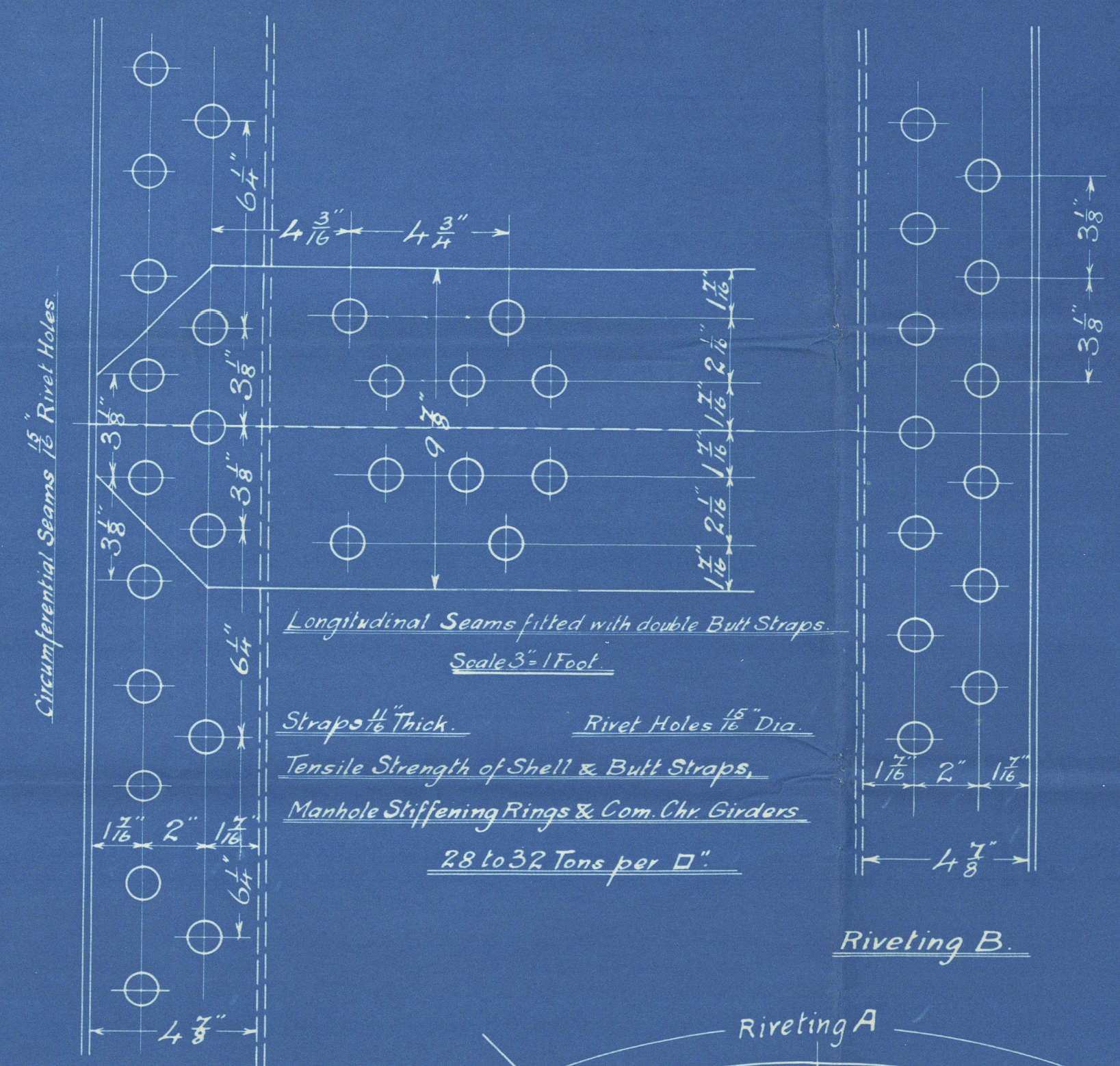
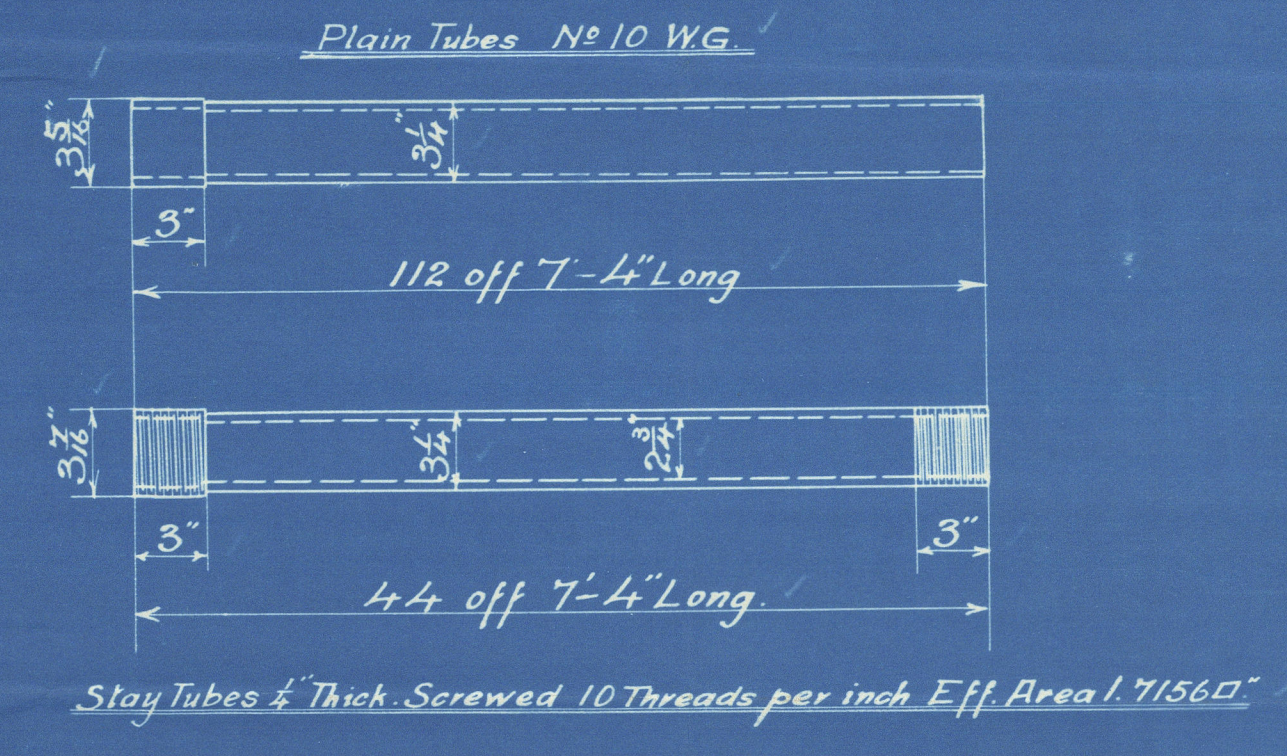
To Lloyds Requirements for a working Pressure of 120 Lbs per Sq. In.

All Plates, Rivets, Stays & Girders of Steel. Tubes of Wrought Iron.

Scale 1" = 1 Foot.



STAYS				
Dia.	Thru per inch	Eff. Area	Eff. Area	No. of Stays
1 1/2"	9	1.36	1.45	70
1 3/8"	9	1.48	1.73	66
2"	6	1.78	2.5	12
1 3/4"	9	1.60	2.03	14

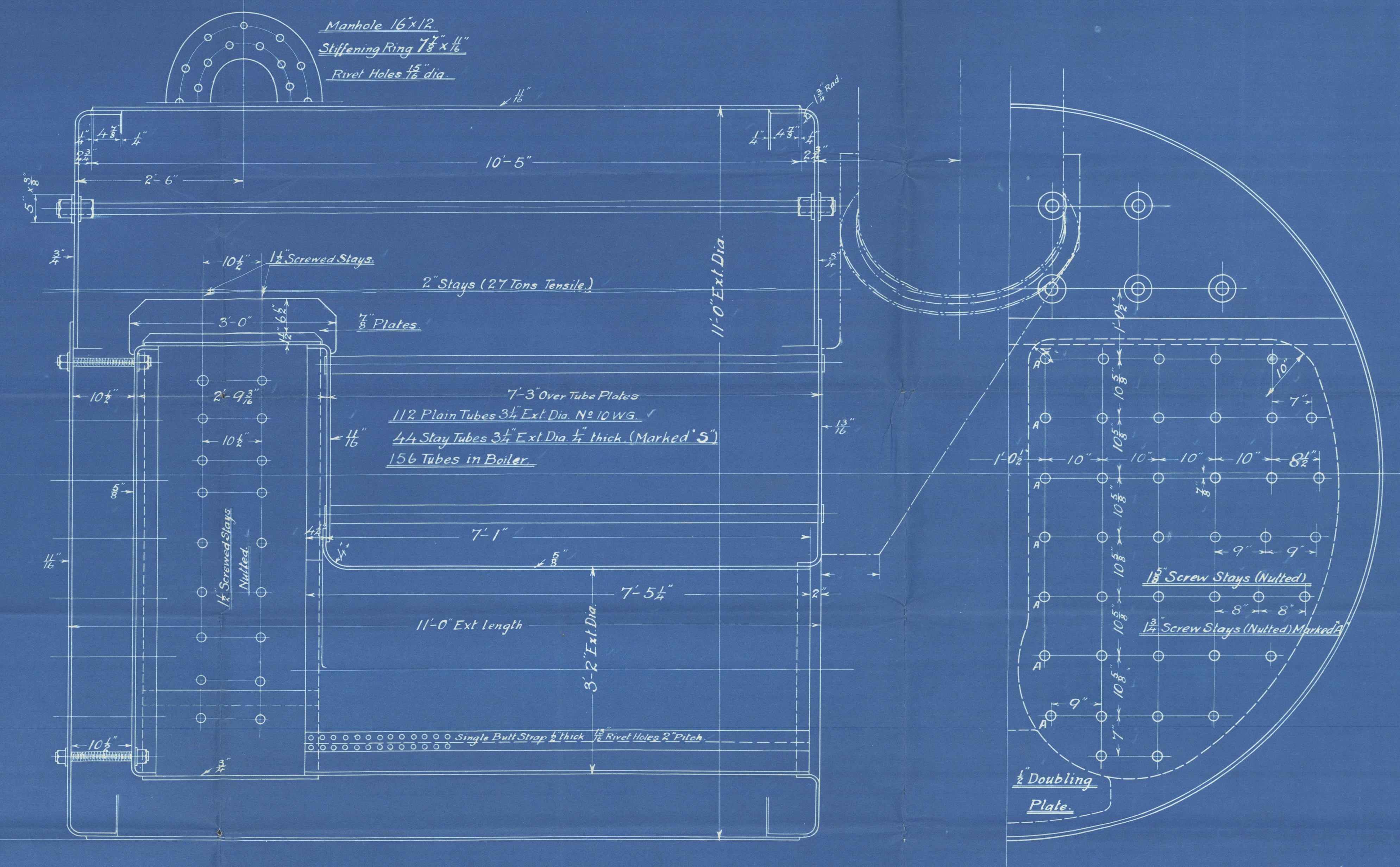
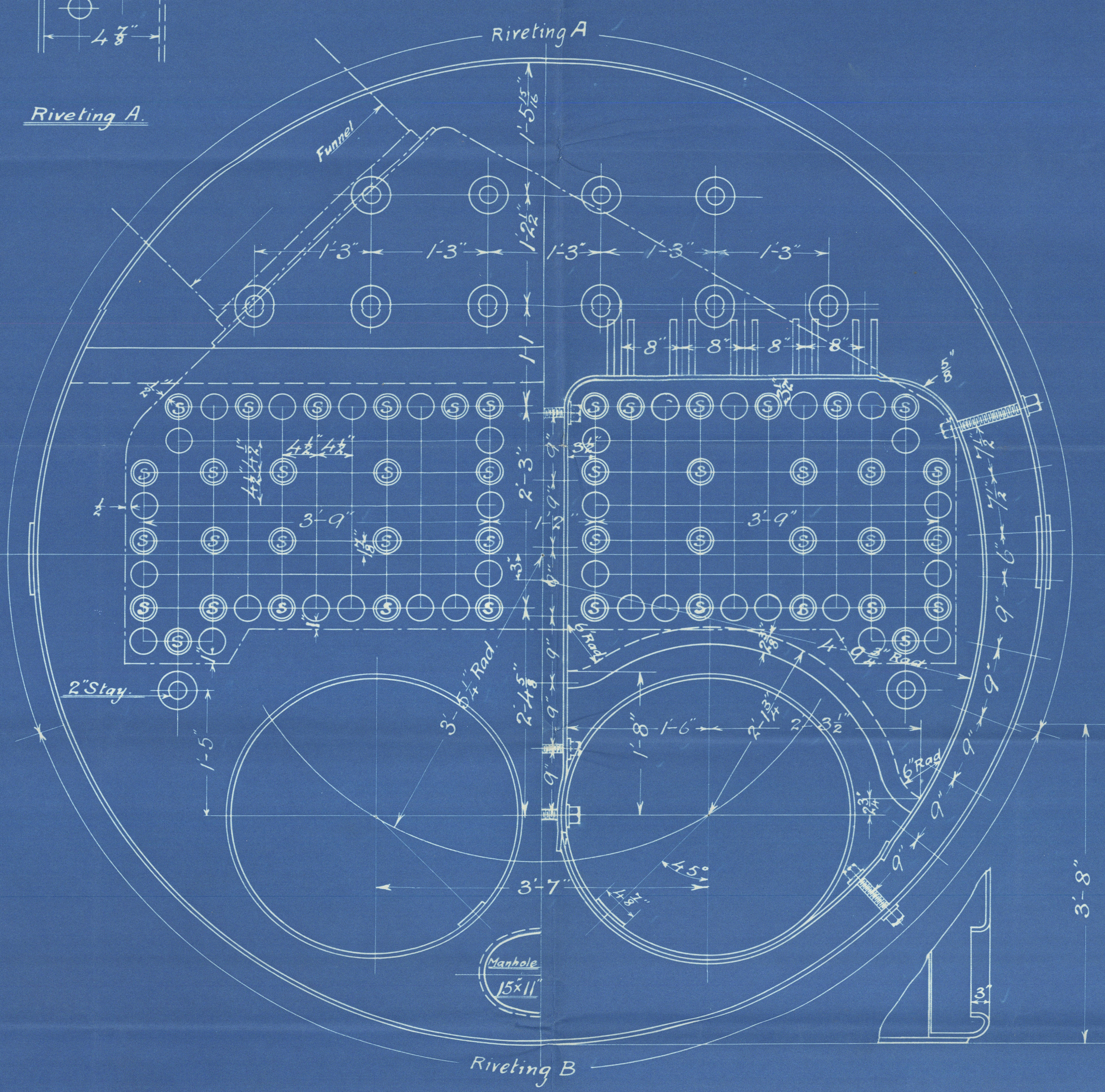


## RIVETING

Front & Back Seams double riveted, 1/2" Rivet Holes, 3 1/2" Pitch, 4 3/4" Lap.

Combustion Chambers (Circumferential & Longitudinal Seams) & Furnaces.

Single Riveted, 3/8" Rivet Holes, 2" Pitch, 2 3/8" Lap.



No. 10418		DATE
No. 10419		

1.5.14 J.R.R.



**SUNDERLAND.**

J. Dickinson & Sons,  
Mk. Boiler No 1049

W. P. 120 lbs

---

FOR

Bartram & Sons'

S. S. No 236.

---

Mark on Boiler:-

No. 3247.

LLOYD'S TEST

240 lbs

10-9-14 J.T.F.



S. S. 'Hartfield'

Std. Rpt. No. 26442

Lloyd's Register  
Foundation

W481-0134