

HEATING SURFACE Sq. Ft.
 TUBES 441
 FURNACES 69
 COMBUSTION CHAMBERS 68
 TUBE PLATES 26
 TOTAL 604 Sq. Ft.

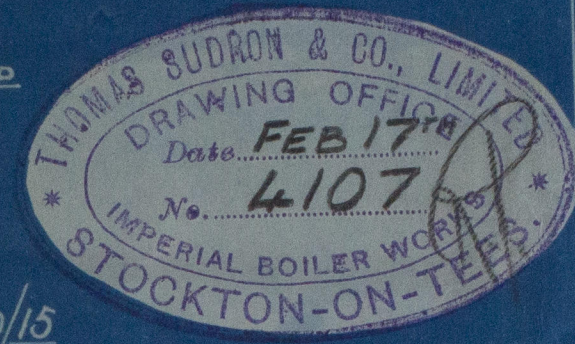
TOTAL GRATE AREA 26 1/2 Sq. Ft.
 FIREBARS 5'-0" LONG
 WORKING PRESSURE 100 LBS PER SQ. IN
 TEST " 200 " " " "

BOILER ORDER N° 3699 FOR MESSRS JOS. T. ELTRINGHAM AND CO L^D N° E108. SS. 316

TO BE CONSTRUCTED TO PASS LLOYDS SURVEY

PLATES BY MESSRS JOHN SPENCER AND SONS LTD

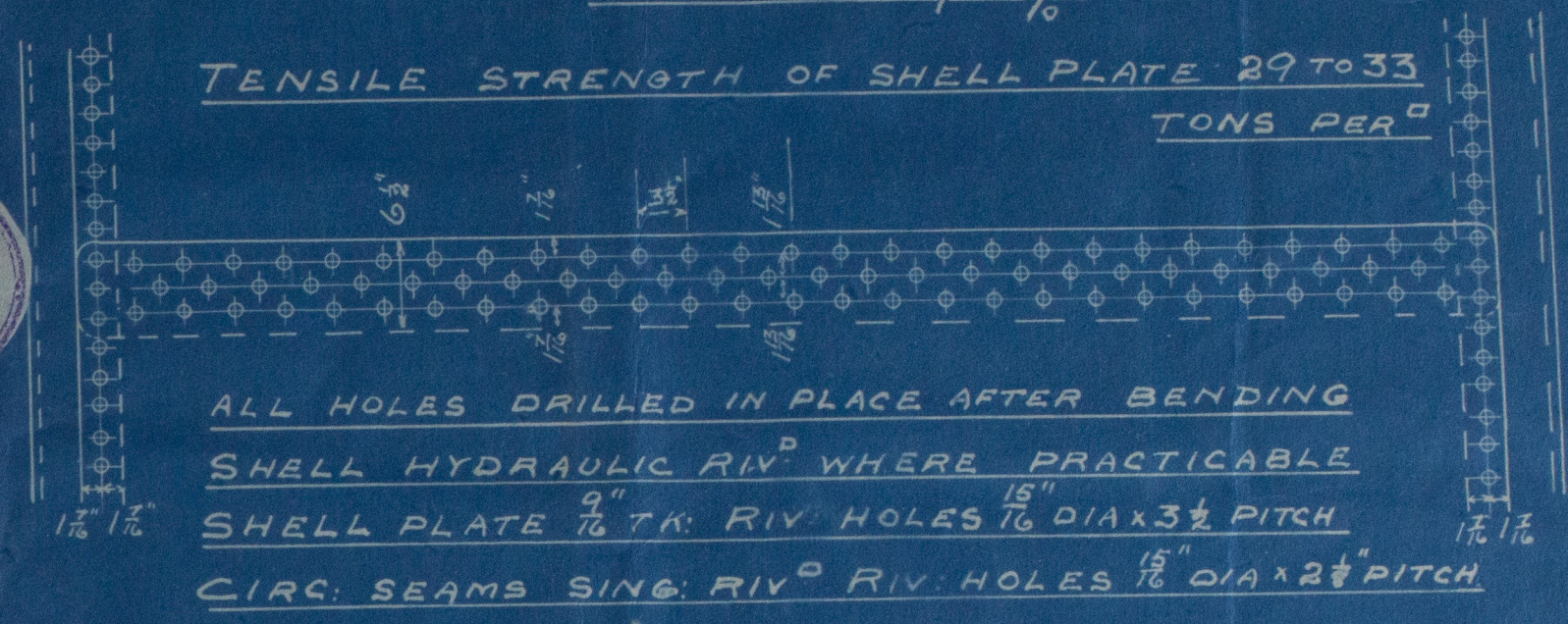
PLATES STEEL
 RIVETS "
 STAYS "
 TUBES IRON



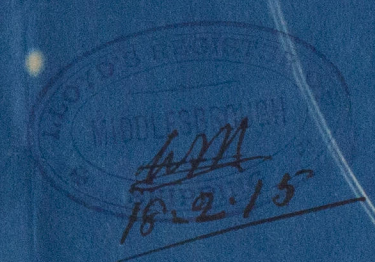
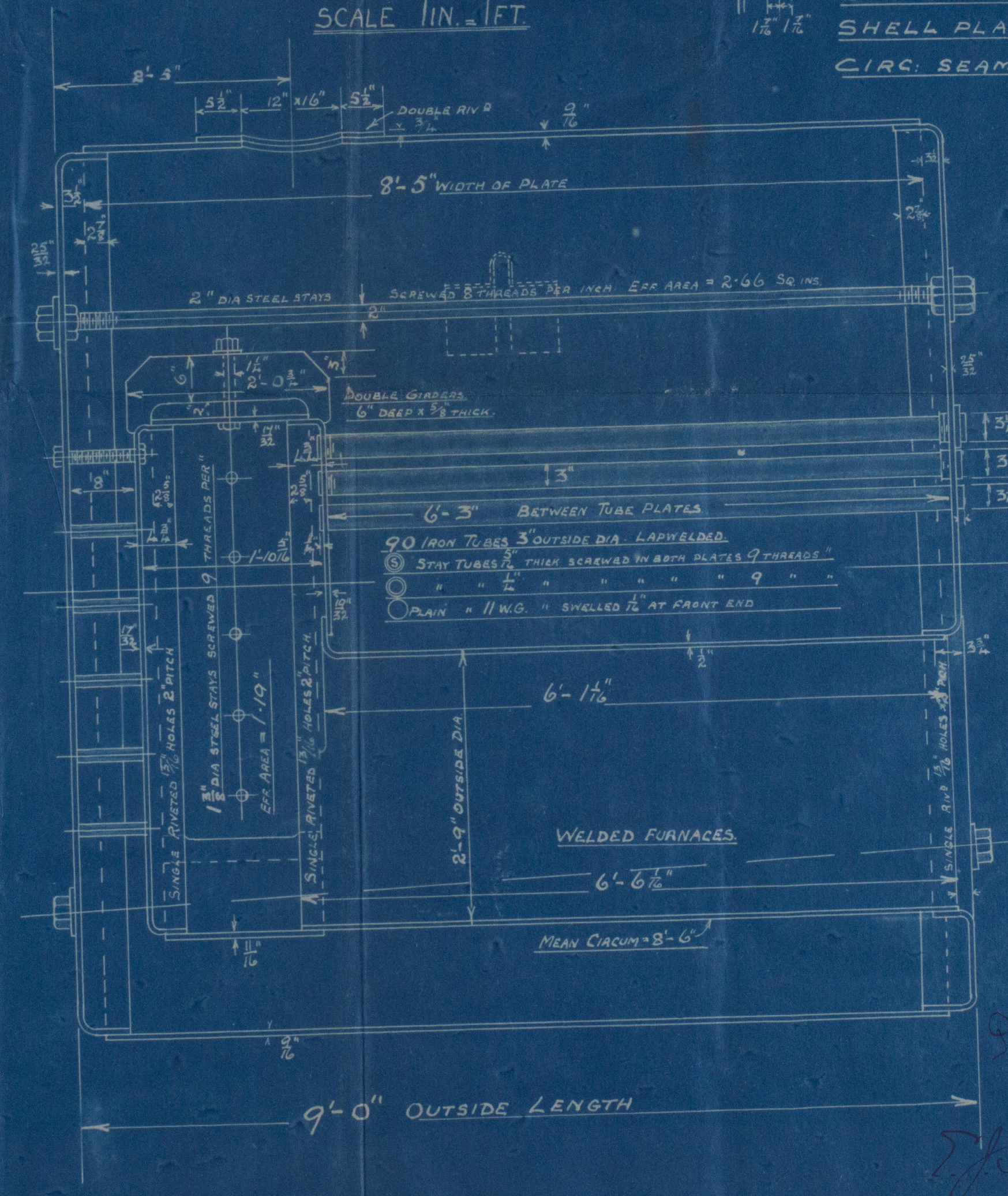
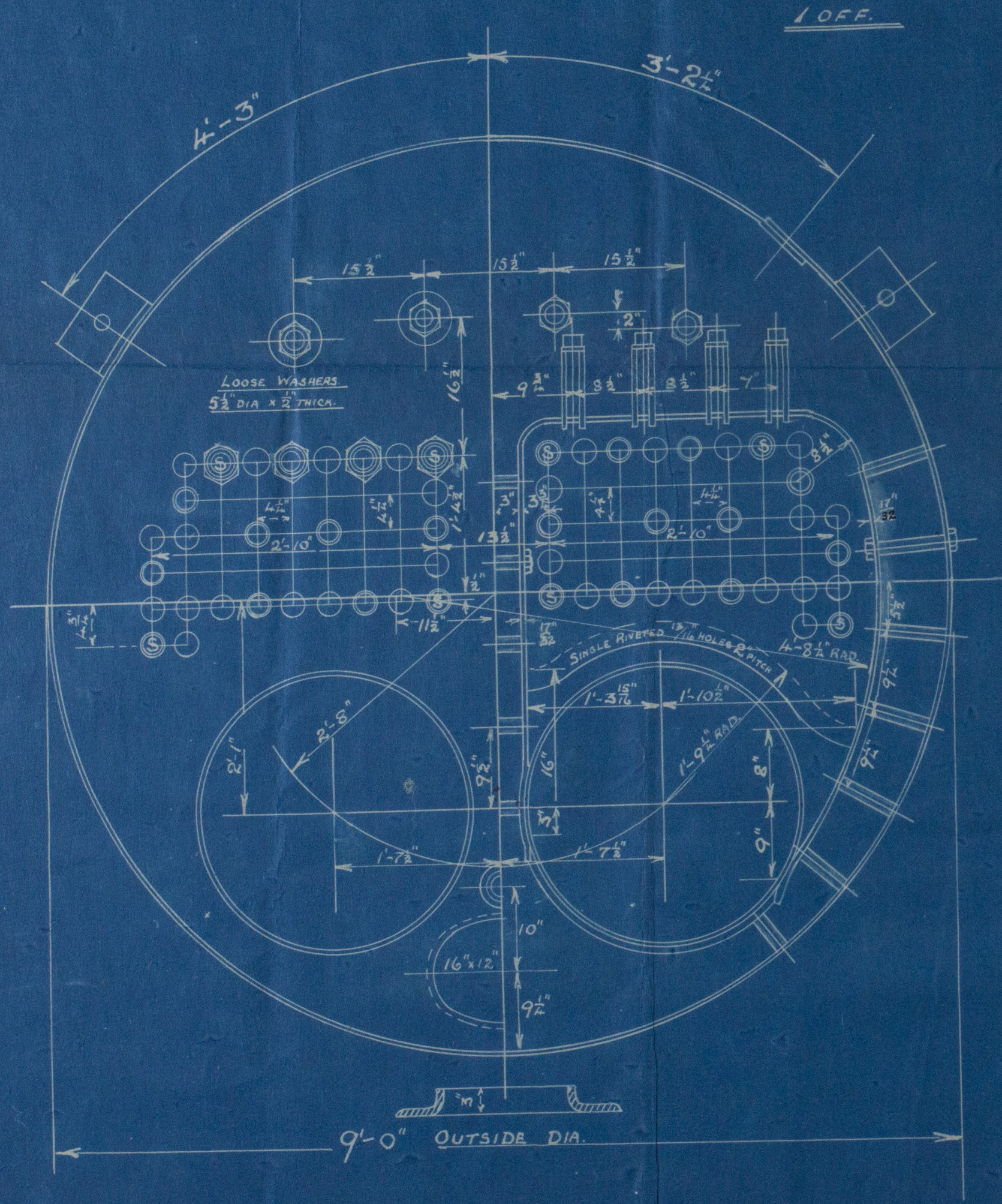
FEB 10/15
 SCALE 1 IN. = 1 FT.

PLAN OF SHELL RIVETING
 STRENGTH OF JOINT.
 PLATE = 73.3 %
 RIVET = 89.2 %

TENSILE STRENGTH OF SHELL PLATE 29 TO 33 TONS PER



ALL HOLES DRILLED IN PLACE AFTER BENDING
 SHELL HYDRAULIC RIV^D WHERE PRACTICABLE
 SHELL PLATE 9/16 TH. RIV. HOLES 15/16 DIA x 3 1/2 PITCH
 CIRC. SEAMS SING. RIV^D RIV. HOLES 5/8 DIA x 2 1/2 PITCH



2" DIA STEEL STAY
 SCREWED 8 THREADS PER INCH
 EFF. AREA = 2.66 SQ. INS.
 LOOSE WASHER 5 1/2 DIA x 3/4 THICK

1 3/8"	DIA STEEL STAYS 9 THREADS PER INCH	EFF. AREA = 1.19 SQ. INS.
1 1/2"	" " " 9 " " " " " "	" " " " " " " "
1 3/4"	" " " 8 " " " " " "	" " " " " " " "

ALL STAYS NUTTED AT BOTH ENDS.

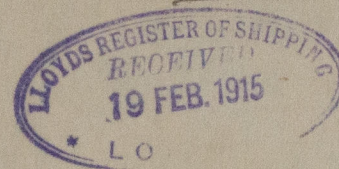


RETAIN

Messrs Thos Andron & Co Ltd
Boiler No. 3699
for

Messrs J. T. Eltringham & Co
S.S. No. 316

Working Press 100 lbs



No. 5690
LLOYD'S TEST
200 lbs.
2.10.16 - T.M.

Indb Rpt.
No 9467.

s/s "Beaumaris."



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Foundation