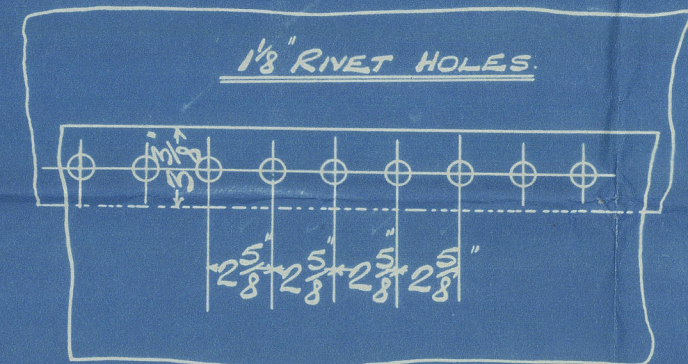
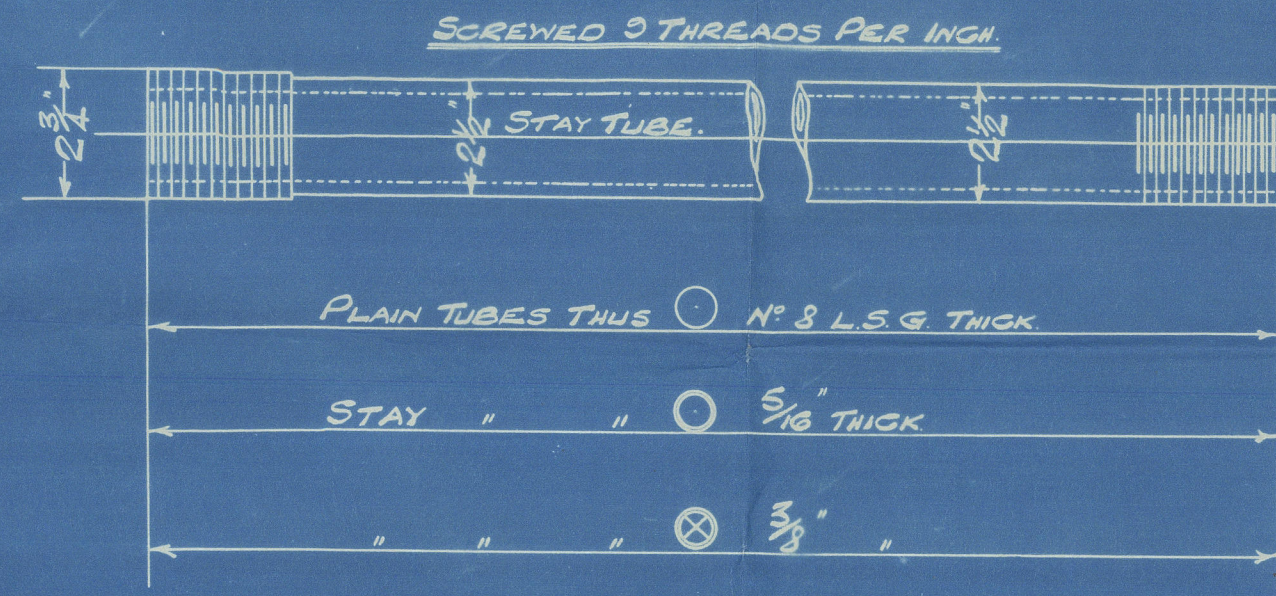


MESSRS. SHORT, BROS. SS.N° 367

# BOILERS. N° 930-934. 3 OFF FOR EACH N°

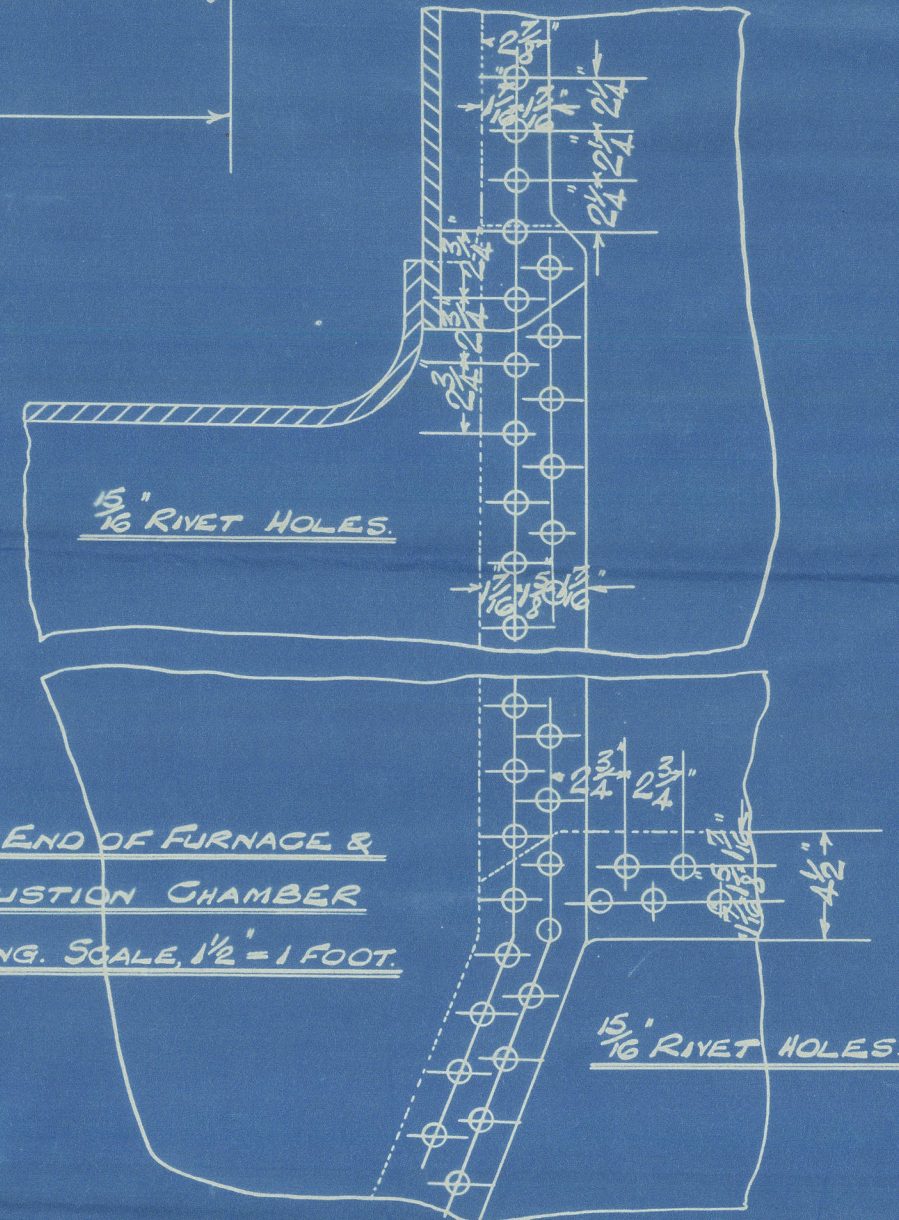
GEORGE CLARK, LIM.  
SOUTHWICK ENGINE WORKS  
SUNDERLAND.

HEATING SURFACE	SQ. FT.
SURFACE ON ONE TUBE 4.845	—
333 TUBES	1879.08
THREE FIRE BOXES	214.05
THREE FURNACES	129.00
BACK TUBE PLATE	40.60
FRONT	33.70
TOTAL IN ONE BOILER	2297.33
GRAND TOTAL (3 BOILERS)	6891.99
TOTAL GRATE SURFACE (3 G BARS)	160.34
AREA THRO TUBES	27.75
RATIO AREA THRO TUBES GRATE SURFACE	17350
STEAM SPACE TO 6 INCHES ABOVE TUBES (TOTAL)	1350 C.F.



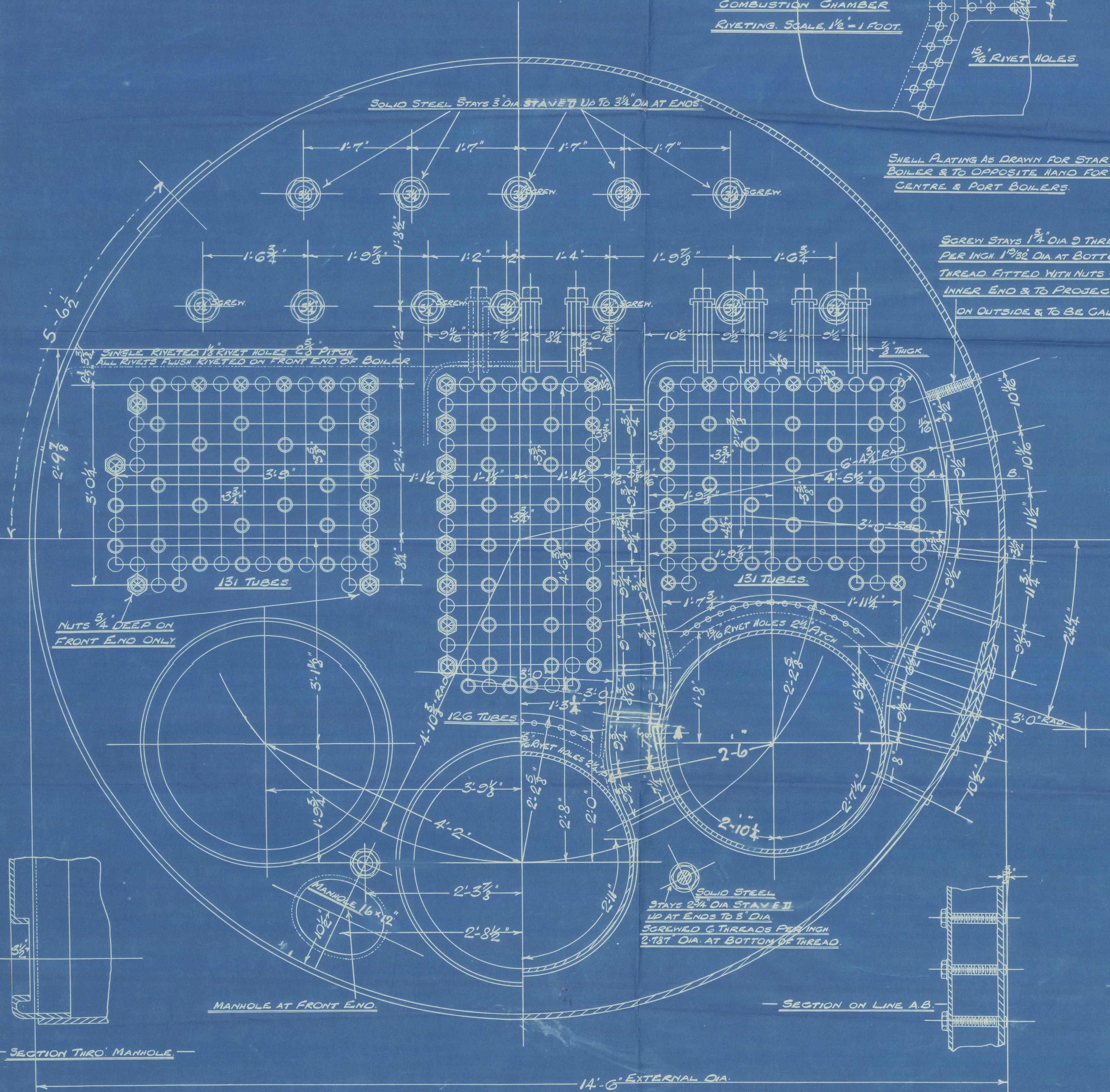
FRONT & BACK CROSS SEAMS  
SCALE 1/4" = 1 FOOT

BACK END OF FURNACE & COMBUSTION CHAMBER  
RIVETING SCALE 1/4" = 1 FOOT



SHELL PLATING AS DRAWN FOR STAR 2 BOILERS & TO OPPOSITE HAND FOR CENTRE & PORT BOILERS

SCREW STAYS 1 1/4" DIA 9 THREADS PER INCH 1 7/8" DIA AT BOTTOM OF THREAD FITTED WITH NUTS ON INNER END & TO PROTECT 3/4" ON OUTSIDE & TO BE CAULKED



11/5/10

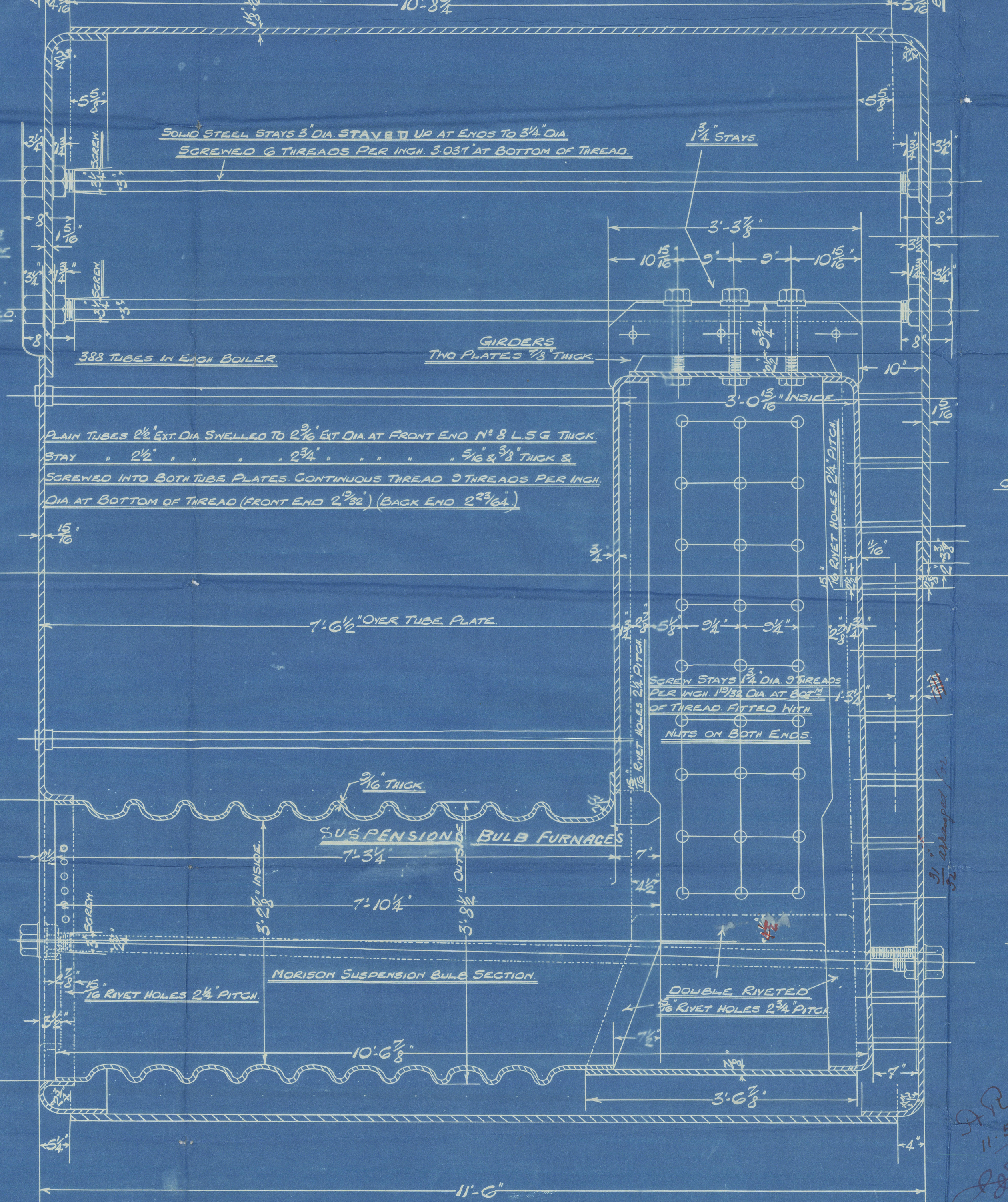
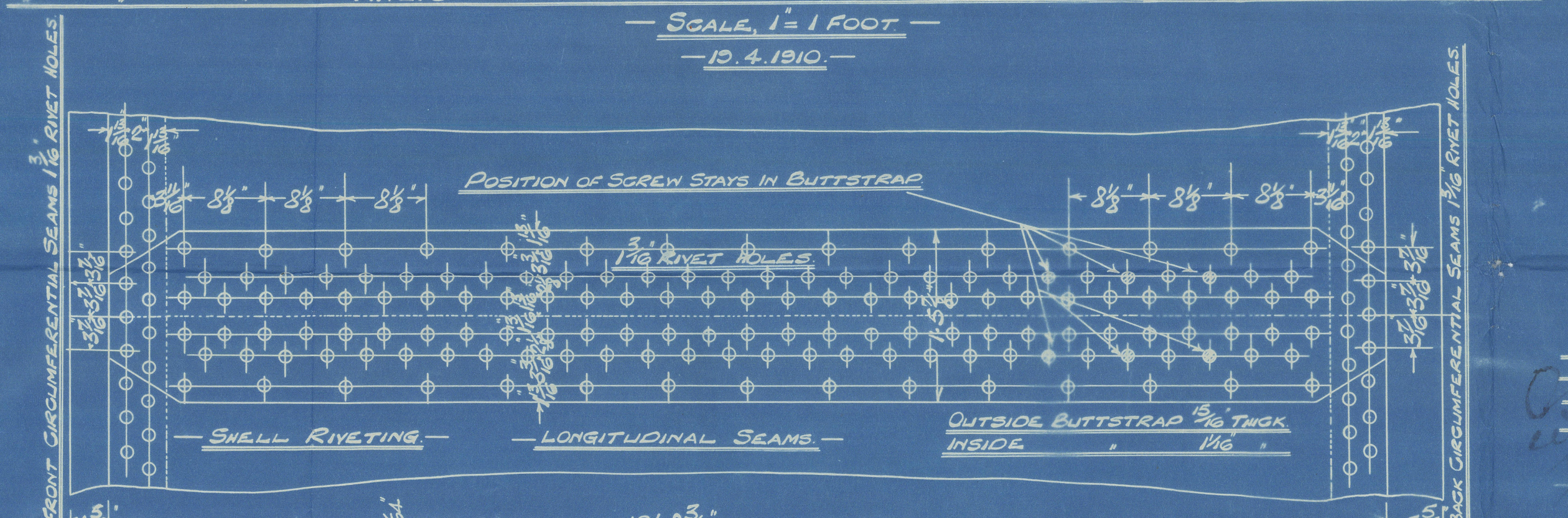
FITTED WITH FORGED DRAUGHT  
WORKING PRESSURE 180 LBS PER SQ. INCH. TEST PRESSURE 360 LBS PER SQ. INCH TO LLOYDS REQ<sup>TS</sup>  
ALL PLATES, RIVETS & STAYS OF STEEL LAP WELDED IRON TUBES  
ALL HOLES TO BE DRILLED IN POSITION

TENSILE STRENGTH OF SHELL PLATES & BUTTSTRAPS TO BE NOT LESS THAN 28% & NOT MORE THAN 32 TONS PER SQ. INCH.

" OTHER	28	20 1/2
" GIRDERS & LONGITUDINAL STAYS	28	32
" RIVETS & SCREW STAYS	26	30

THE ELONGATION OF SHELL PLATES, BUTTSTRAPS, GIRDERS & LONGITUDINAL STAYS TO BE NOT LESS THAN 20% IN A LENGTH OF 8 INS.

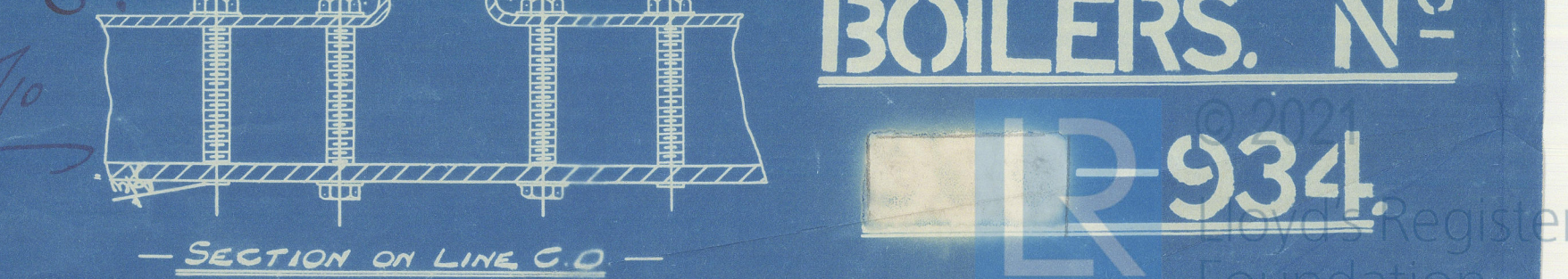
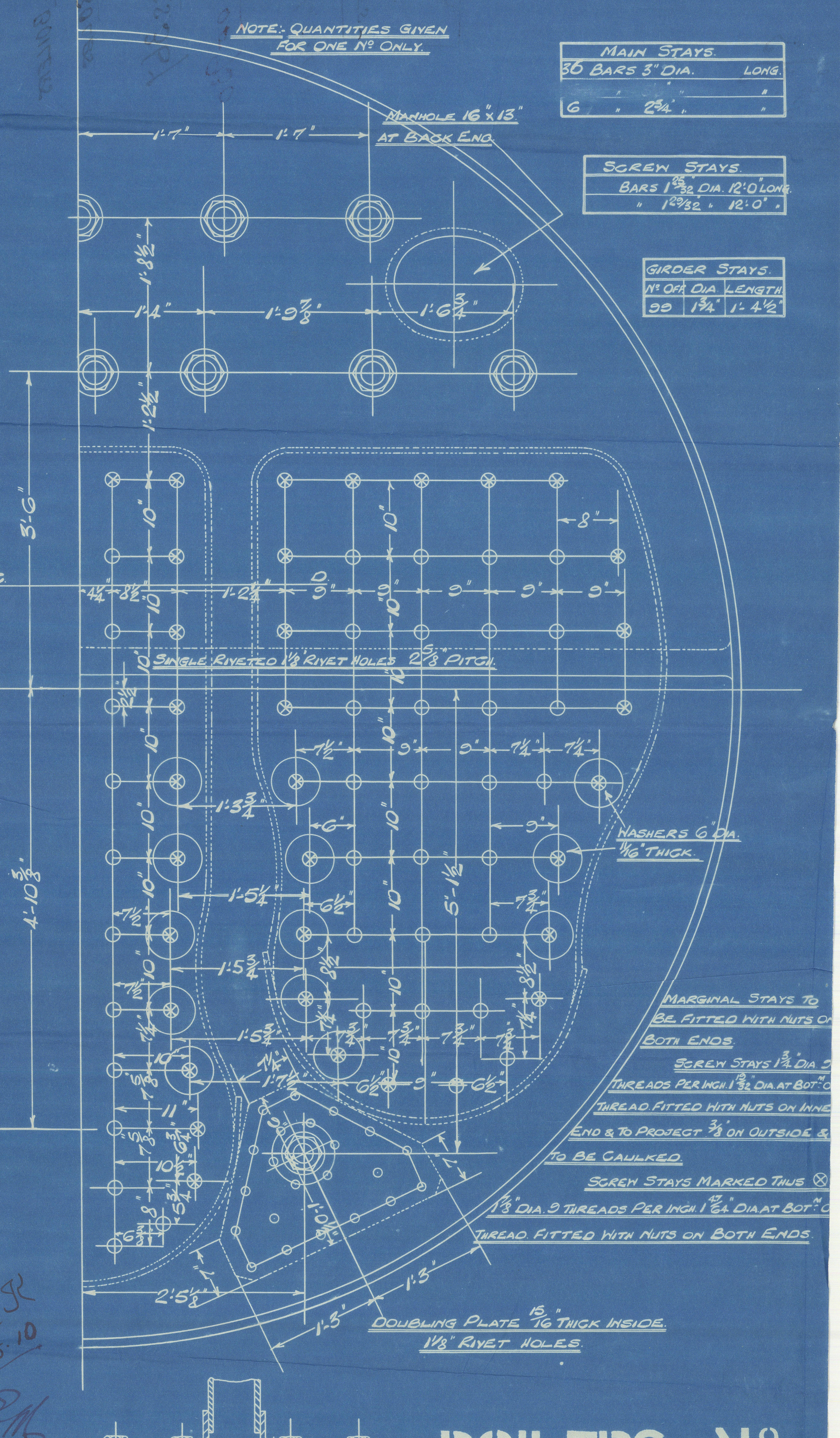
" OTHER	23 1/2	(IN A LENGTH 8 TIMES DIA. OF TEST PIECE)
" SCREW STAYS	23 1/2	(IN A LENGTH 8 TIMES DIA. OF TEST PIECE)
" RIVETS	25 1/2	



PLAIN TUBES 7 1/4" LONG, 2 1/2" EXT. DIA. SWELLED TO 2 3/4" EXT. DIA. FOR 3' IN LENGTH N° 8 L.S.G. THICK

STAY	7 1/4"	2 1/2"	2 3/4"	3 1/8" THICK
STAY	7 1/4"	2 1/2"	2 3/4"	3 1/8"
STAY	7 1/4"	2 1/2"	2 3/4"	1 3/8" THICK WITH NUTS 1/2" DEEP

ALL STAY TUBES SCREWED FOR 3' IN LENGTH AT BOTH ENDS. CONTINUOUS THREAD 9 THREADS PER INCH



# BOILERS. N° 934.



934

G. CLARK L<sup>D</sup> M. BOILERS

30 OFF F.D. 180 LBS

F.O.R.

SHORT BROS S.S. 367

DUPLICATE OF 930

Wabana

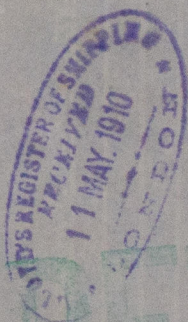
Sld Npt No. 25098.

LLOYDS TEST

No 9840.

360 LBS

25-10-10 W.B.



RETAIN

LR

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Lloyd's Register  
Foundation

E.B. 10.5.10