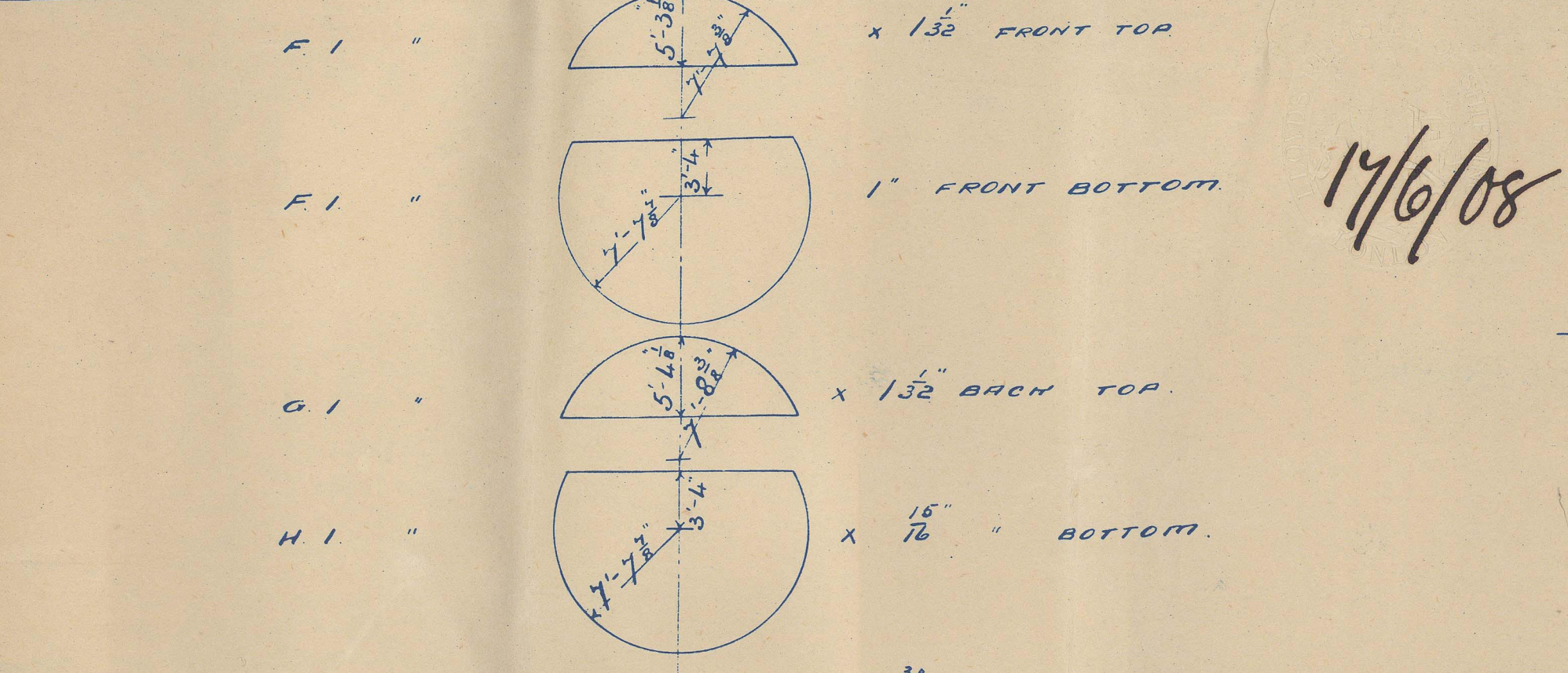


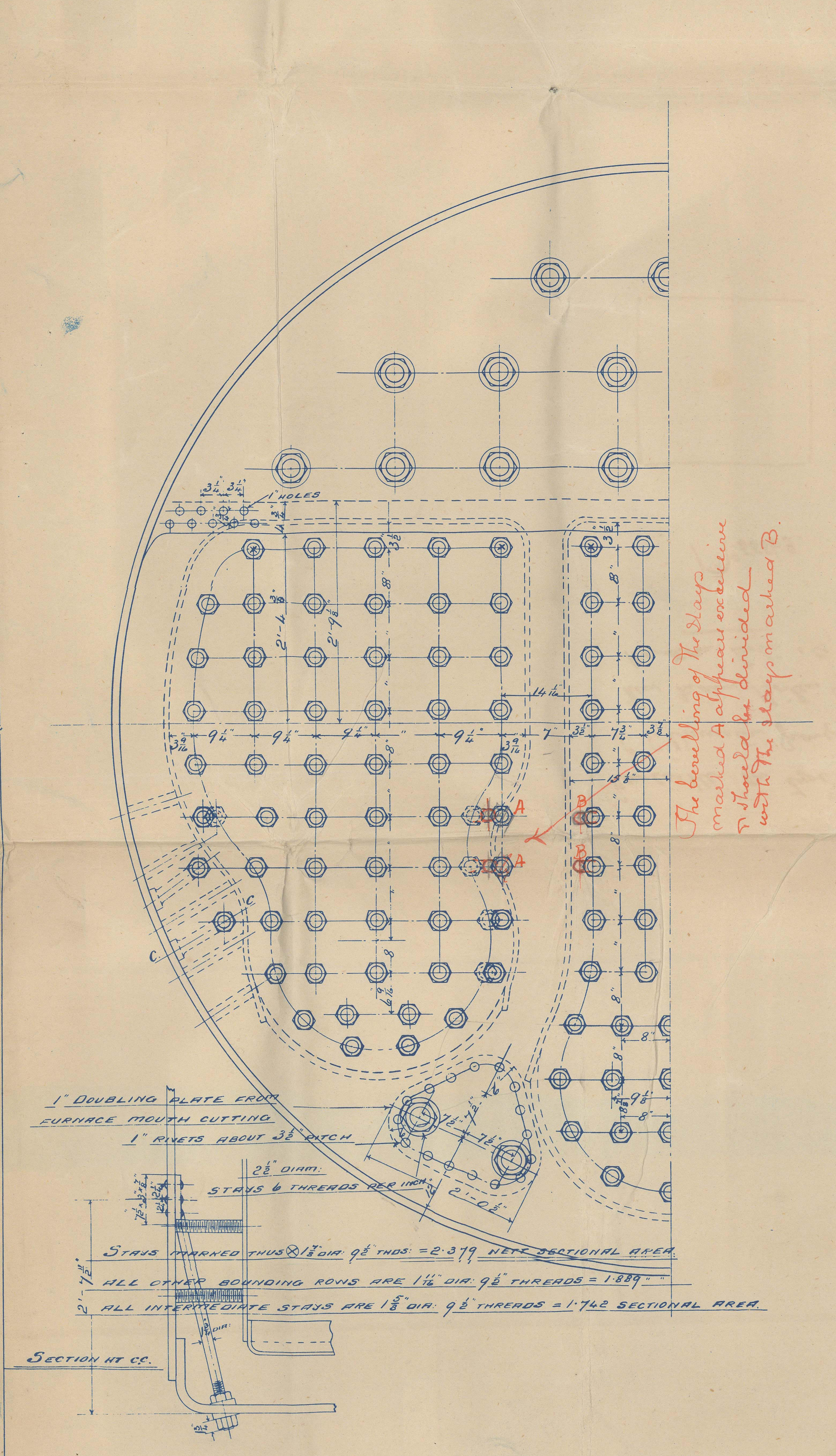
QUANTITIES GIVEN ARE FOR ONE BOILER

ITEM	QUANTITY	DESCRIPTION	REMARKS
1	1	PLATE 36" x 12" x 10" x 1/2" SHELL BOTTOM	MINIMUM TENSILE STRENGTH 28 TONS
2	1	13" x 12" x 10" x 1/2" SHELL TOP	
3	1	10" x 5" x 1" x 1/2" STRIPS INNER	
4	1	10" x 5" x 1" x 1/2" STRIPS OUTER	



QUANTITIES GIVEN ARE FOR ONE BOILER

ITEM	QUANTITY	DESCRIPTION	REMARKS
1	1	6" x 0" x 3" x 1/2" C.C. TUBE PLATE	
2	1	9" x 5" x 4" x 1/2" BACK	
3	1	16" x 11" x 2" x 1/2" SIDES	
4	1	6" x 6" x 2" x 1/2" BOTTOM	
5	1	5" x 2" x 3" x 1/2" TUBE PLATE	
6	1	7" x 7" x 5" x 1/2" BACK	
7	1	1" x 0" x 2" x 1/2" SIDES	
8	1	1" x 7" x 2" x 1/2" BOTTOM	
9	1	2" x 5" x 1" x 1/2" C.C. GIRDERS	



DRAWING NO 17518.

# 2 STEEL BOILERS.

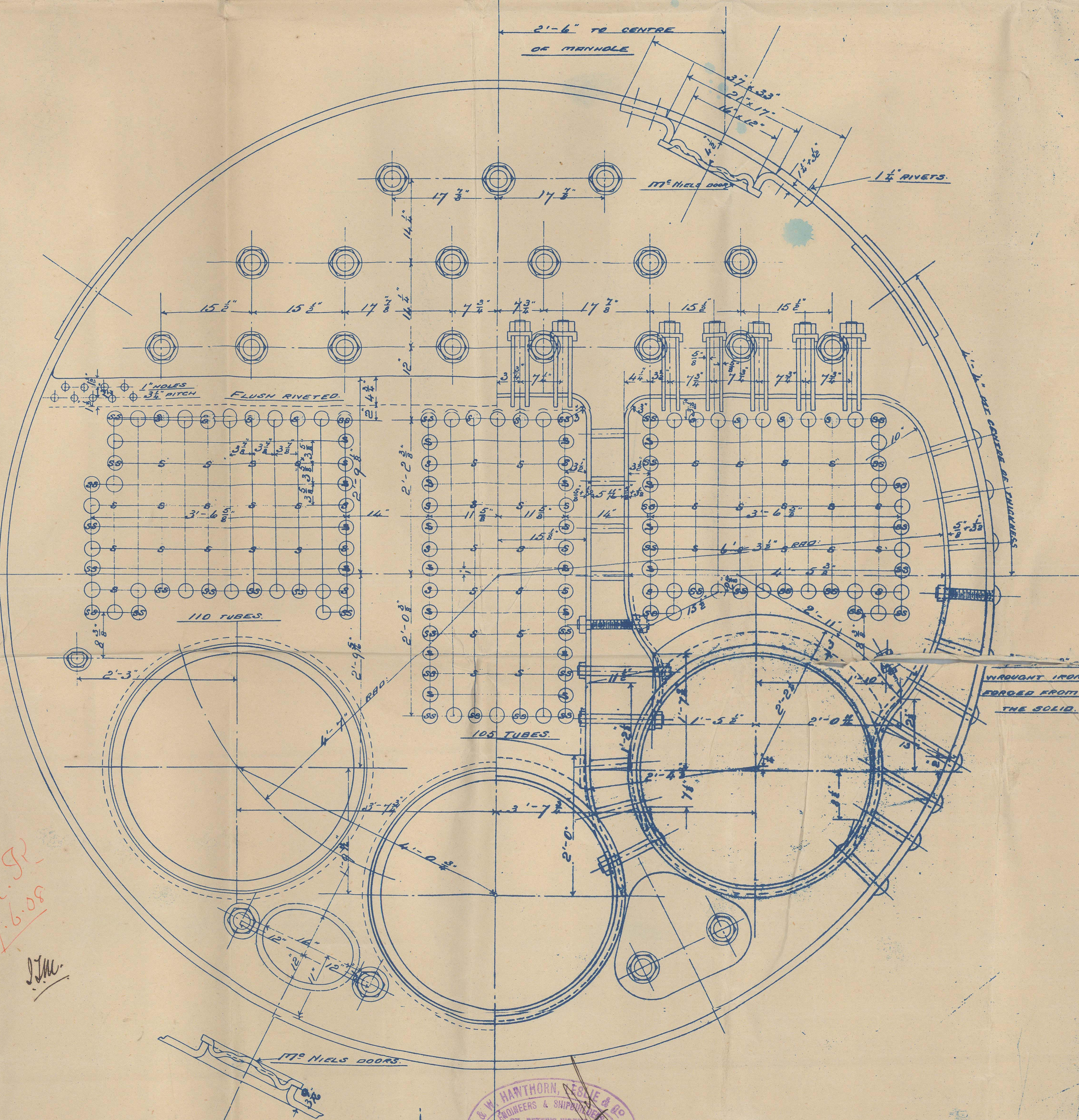
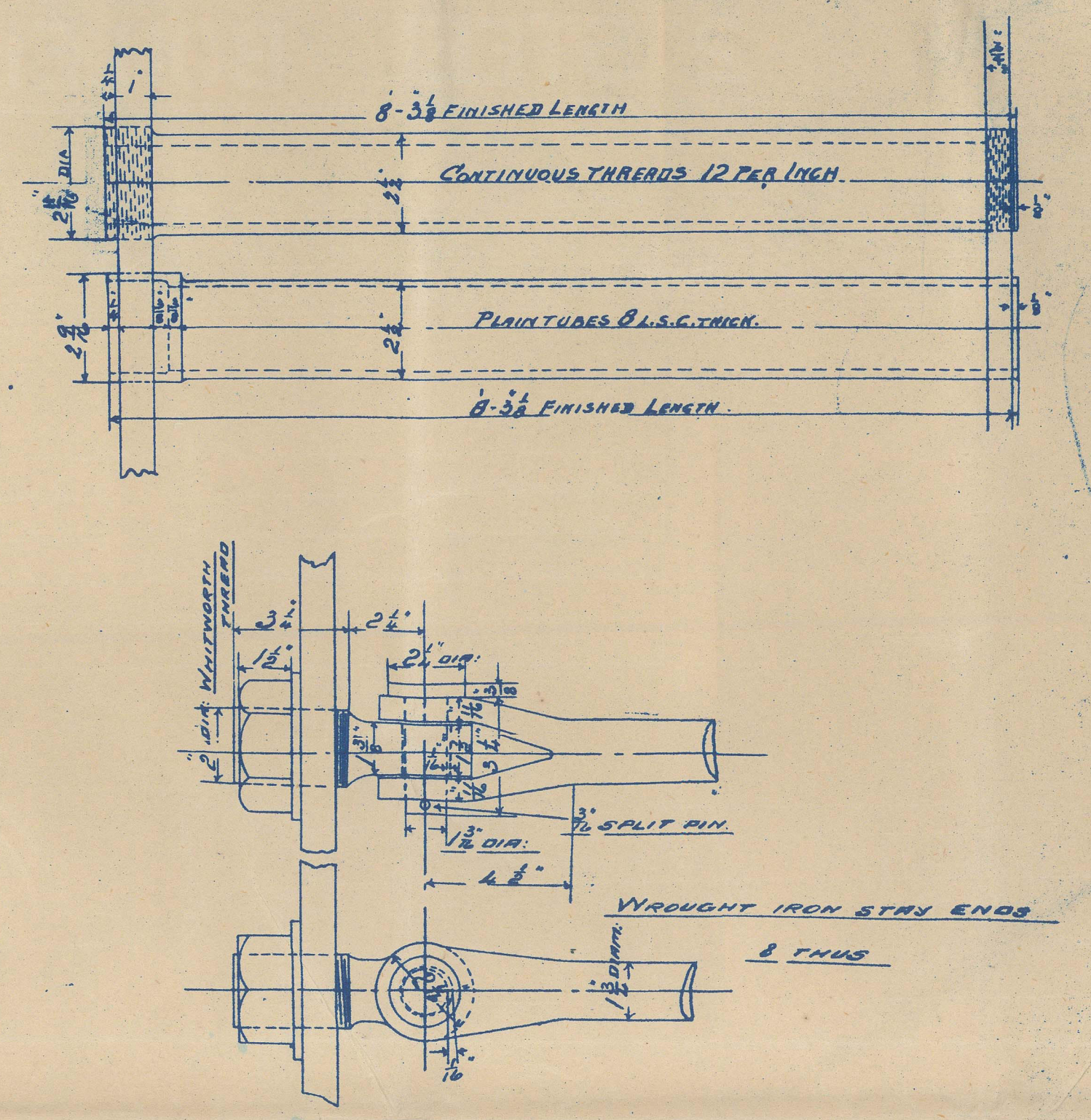
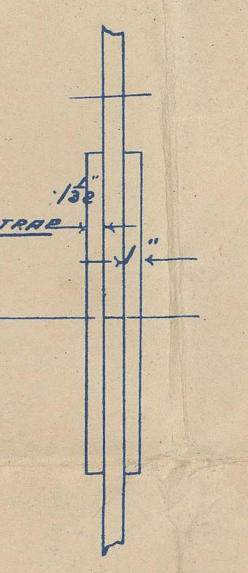
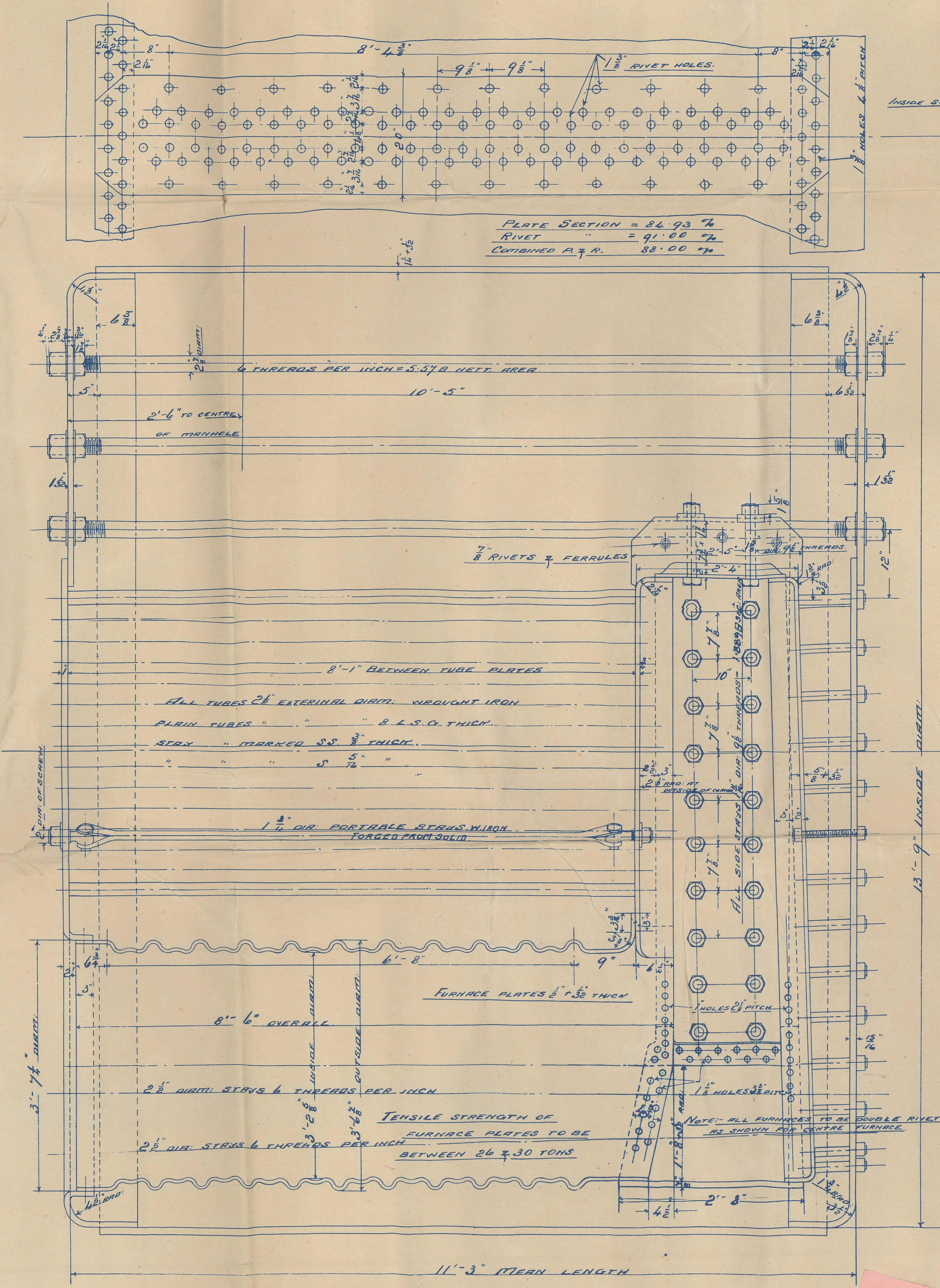
QUANTITIES GIVEN ARE FOR ONE BOILER

ITEM	QUANTITY	DESCRIPTION	REMARKS
1	1	LONGITUDINAL STAYS 28" DIA. 11' 0" LONG	
2	1	WATER 28" x 11' 0"	
3	1	SCREW 1 1/2" x 16" 0"	
4	1	" 1 1/2" x 16" 0"	
5	1	" 1 1/2" x 16" 0"	

44 x 2 = 88 TOTAL REQD

TO BOARD OF TRADE & LLOYD'S REQUIREMENTS  
 WORKING PRESSURE 180 LBS TEST PRESSURE 360 LBS PER 17 INCH  
 MINIMUM TENSILE STRENGTH OF SHELL PLATES 28 TONS.

ITEM	ONE BOILER	TWO BOILERS	ONE BOILER
TUBES	1722	3444	GRATE AREA = 6'
FURNACES	173	346	TUBE = 6'
COMBUSTION CHAMBERS	179	358	STEAM CAPACITY = CUBIC FT
TOTAL	FOR 25" x 11' 0" EXCLUSIVE OF FRONT TUBE PLATE		



OF SHEET  
 17518

NEWCASTLE-ON-TYNE

S.S. "URMISTON GRANGE."  
 ORDER NO 3899. JOB NO 3



ENCLOSURE TO

*Lloyd's*  
2021

Lloyd's Register

FROM R. & W. HAWTHORN, LESLIE & CO., LTD.,  
ST. PETER'S WORKS. NEWCASTLE-ON-TYNE.

NWC875 - 0119 2/2



Newcastle on Tyne  
S. S. Urnston Grange  
New Main Boilers by  
Hawthorn Leslie & Co.

Newcastle-on-Tyne.

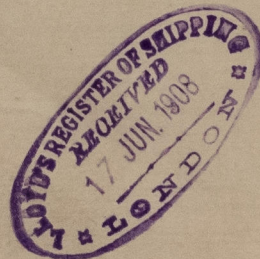
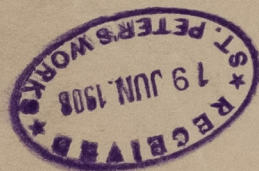
N<sup>o</sup> 55563.

N<sup>o</sup> 7754

360 lbs

J. J. F.

10. 9. 08



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Foundation