

FOR ENCLOSURE TO  
*Floyd Regan*  
 From  
 PALMERS S. & I. CO., Ltd.,  
 Engine Works Department,  
 JARROW-ON-TYNE.

22 OCT 1914  
 ENGINE WORKS DEPT.  
 JARROW.

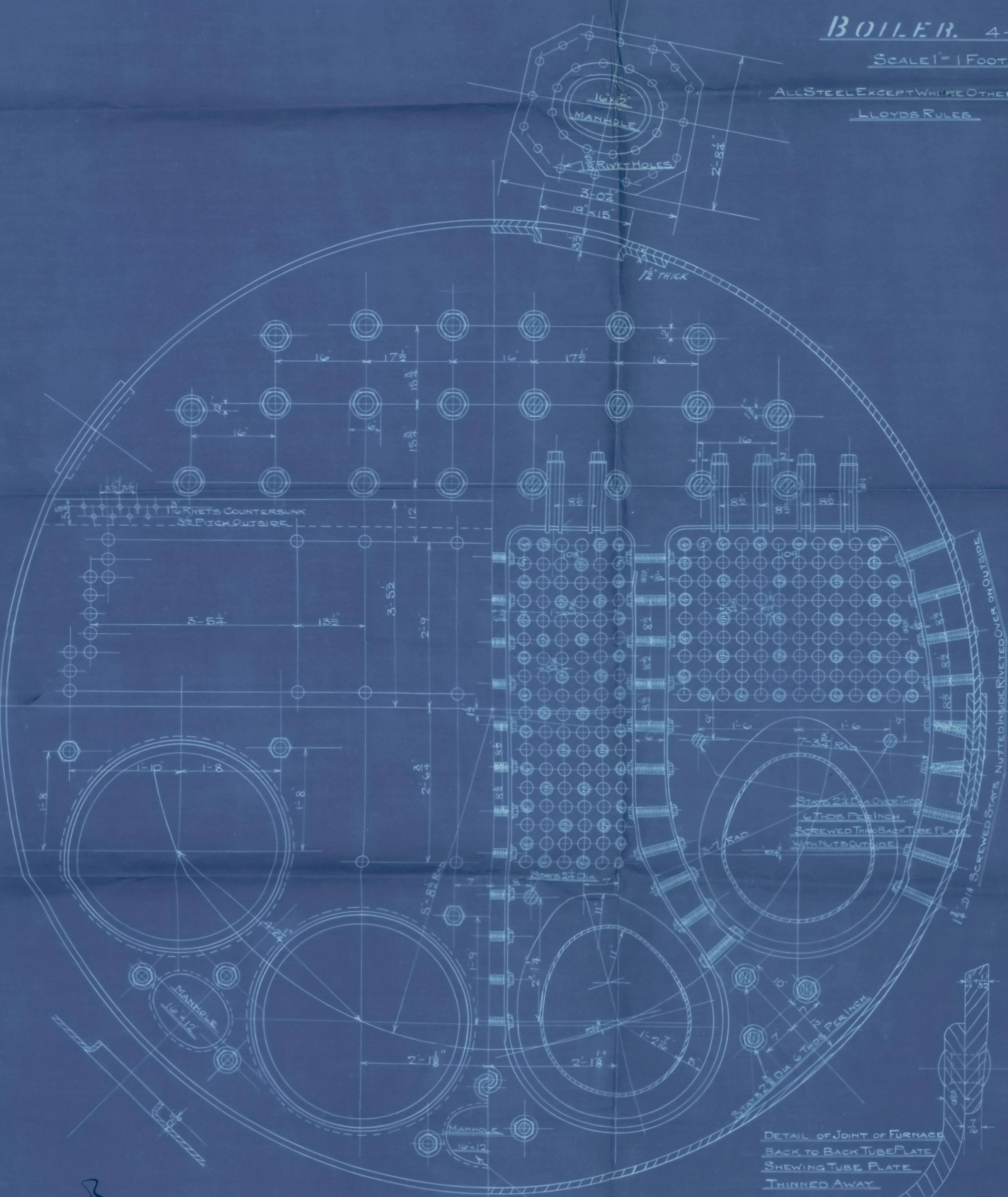
HEATING SURFACE IN BOILER	
434 TUBES 2 1/2" DIA x 8'-2 1/2" LONG	= 2340
FURNACES	= 206
COMB. CHAMBER	= 256
BACK TUBE PLATE	= 46
FRONT	= 42
TOTAL FOR 1 BOILER	= 2890
" 4 BOILERS	= 11560
GRATE SURFACE FOR 1 BOILER	= 74
" 4 BOILERS	= 296
WORKING PRESSURE	= 220 LBS
TEST PRESSURE	= 440

SHELL RIVETING	
DOUBLE BUTT STRAP JOINTS 19/2	
SHELL PLATE 1 1/2" THICK - BUTT STRAP 1 1/2" THICK	
RIVET HOLES 1 1/2" DIA. GREATEST PITCH 10"	
PLATE SECTION 85% - RIVET SECTION 89.5%	
TENSILE STRENGTH OF SHELL PLATES 29.5 TONS TO 33 TONS	
COMB. CHAMBER	26
GIRDERS	28
	30
	32

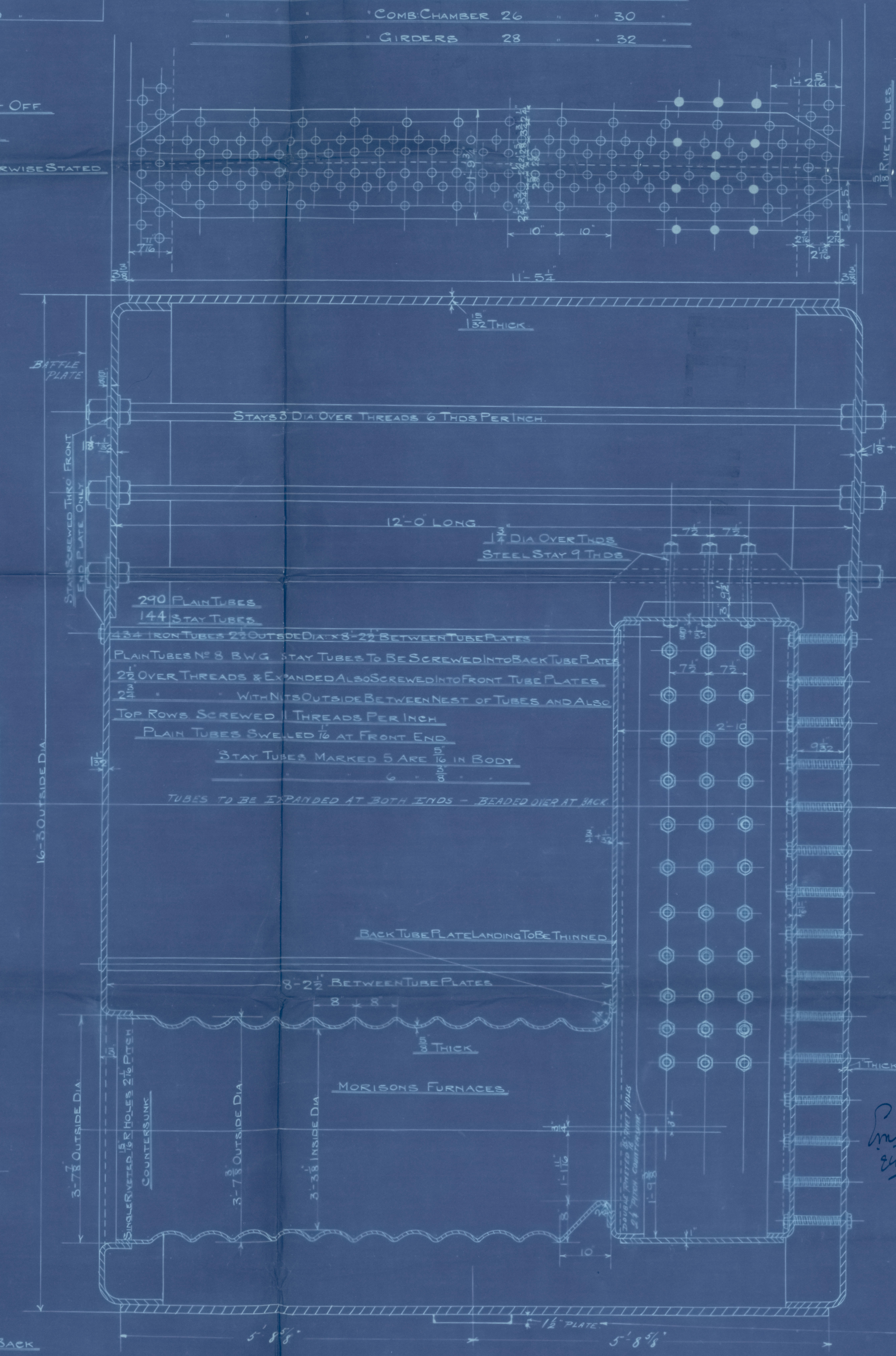
### BOILER 4-OFF

SCALE 1" = 1 FOOT

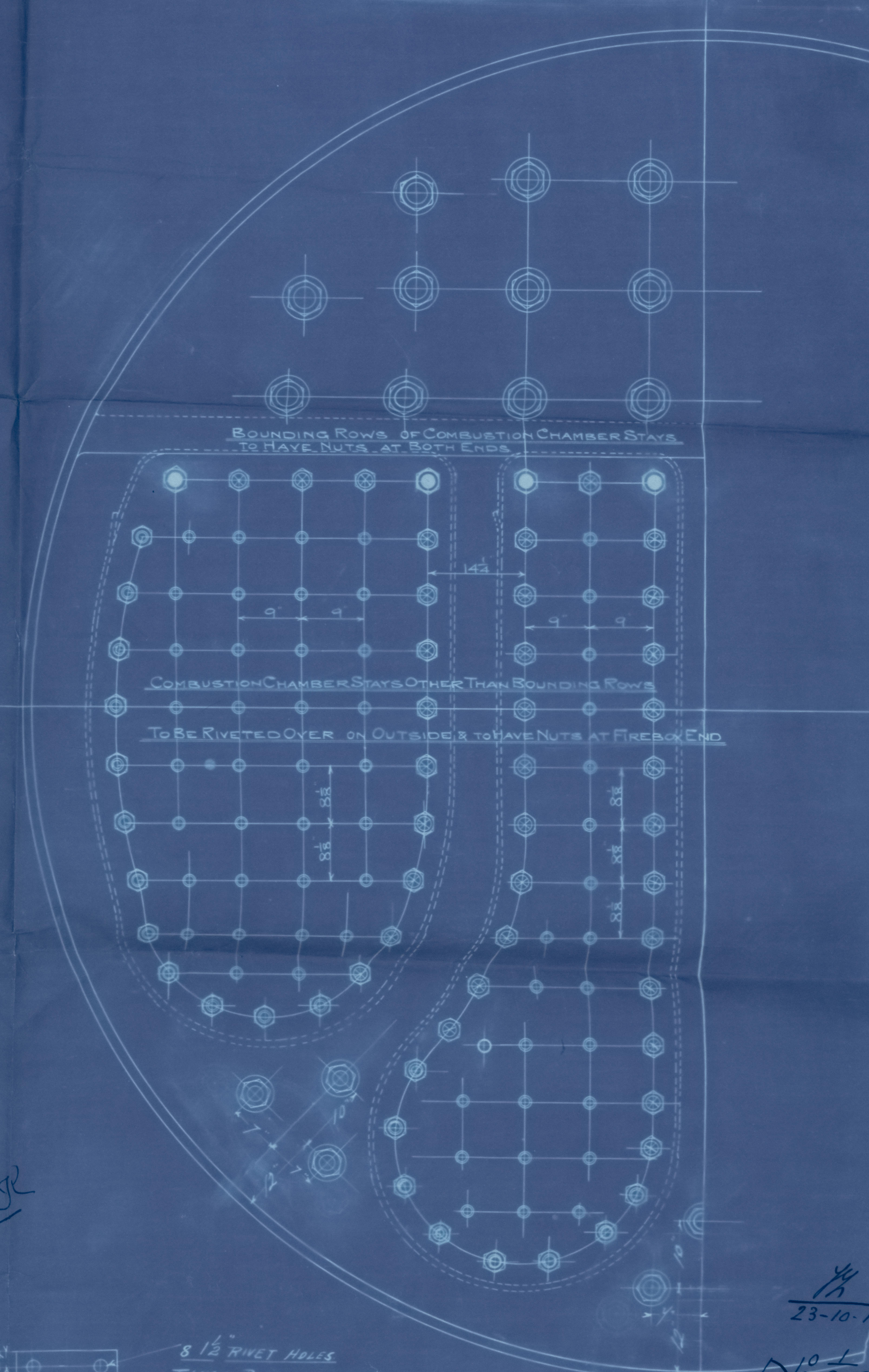
ALL STEEL EXCEPT WHERE OTHERWISE STATED  
 LLOYD'S RULES



MANHOLES BETWEEN FURNACES TO BE ARRANGED FOR FRONT & BACK OF BOILERS. SEE ARRANGEMENT DRAWING.



COMBUSTION CHAMBER SCREW STAYS TO BE MADE OF STEEL AND SCREWED 9 THREADS WITH NUTS & WASHERS AT BOTH ENDS FOR BOUNDING ROWS AT BACK OF BOILER AND FOR THE REST NUTS & WASHERS INSIDE AND RIVETED OVER ON OUTSIDE.  
 NOTE - STEEL SCREW STAYS MARKED 28 OVER THDS



8 1/2" RIVET HOLES  
 FLUSH PIERCED OUTSIDE  
 COLLISION CHECK PRO PIECE

Nº 23792

ENG Nº 848



PALMERS SHIPBUILDING  
 & IRON CO. LTD.  
 22 OCT 1914  
 ENGINE WORKS DEPT  
 JARROW.

24/10/14

19/32

№ 23792

23-10-14

N<sup>o</sup> 1  
848

ENG N° 84-8.

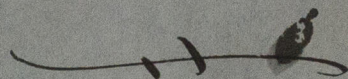


Palmer Co 848

Main Boilers 220 lbs



S.S. Cadillac



S.S. CADILLAC

NEWCASTLE ON TYNE.

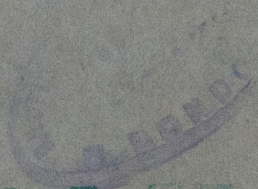


Report No. 70543

S S SARANAC

NEWCASTLE ON TYNE.

Report No. 70987



RETAIN

W370



©2021 1/2

Lloyd's Register  
Foundation