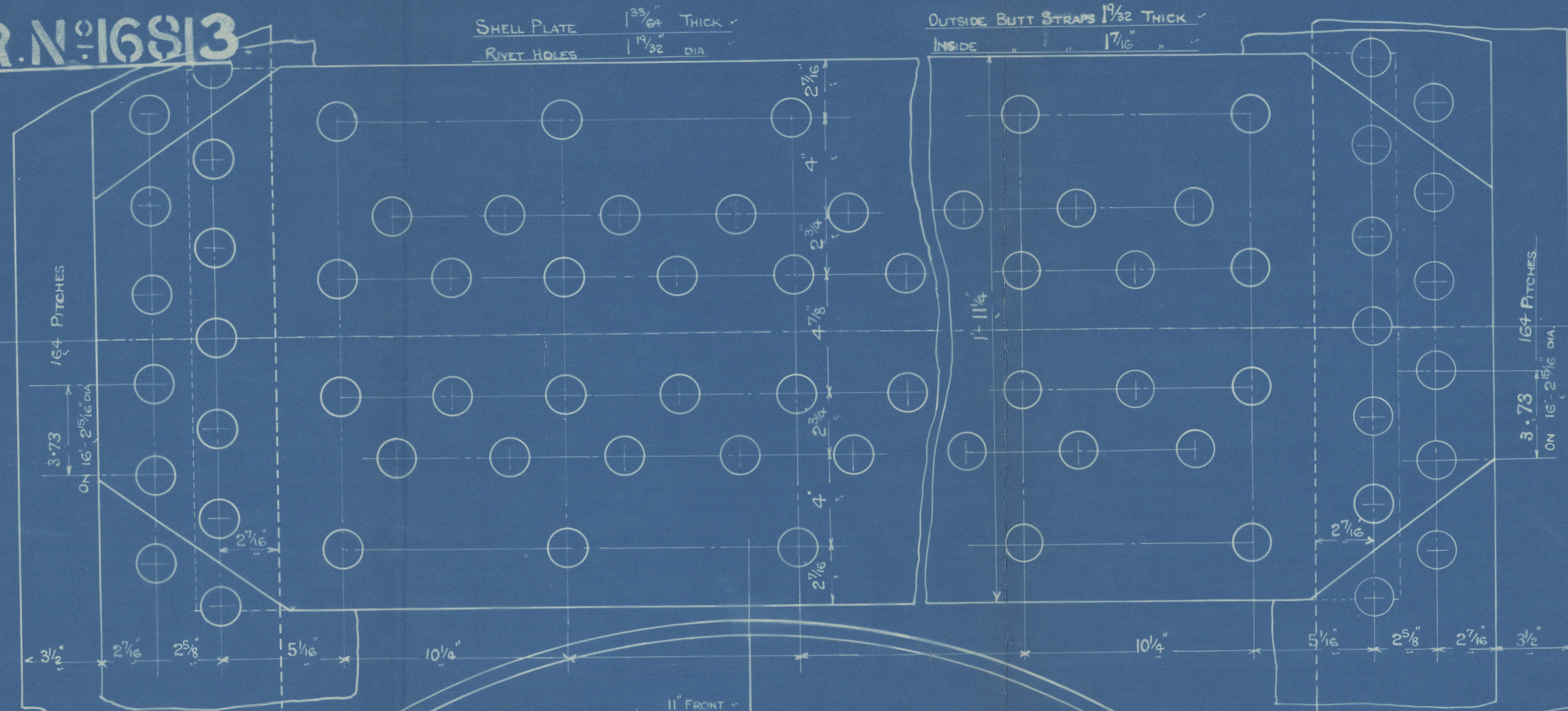


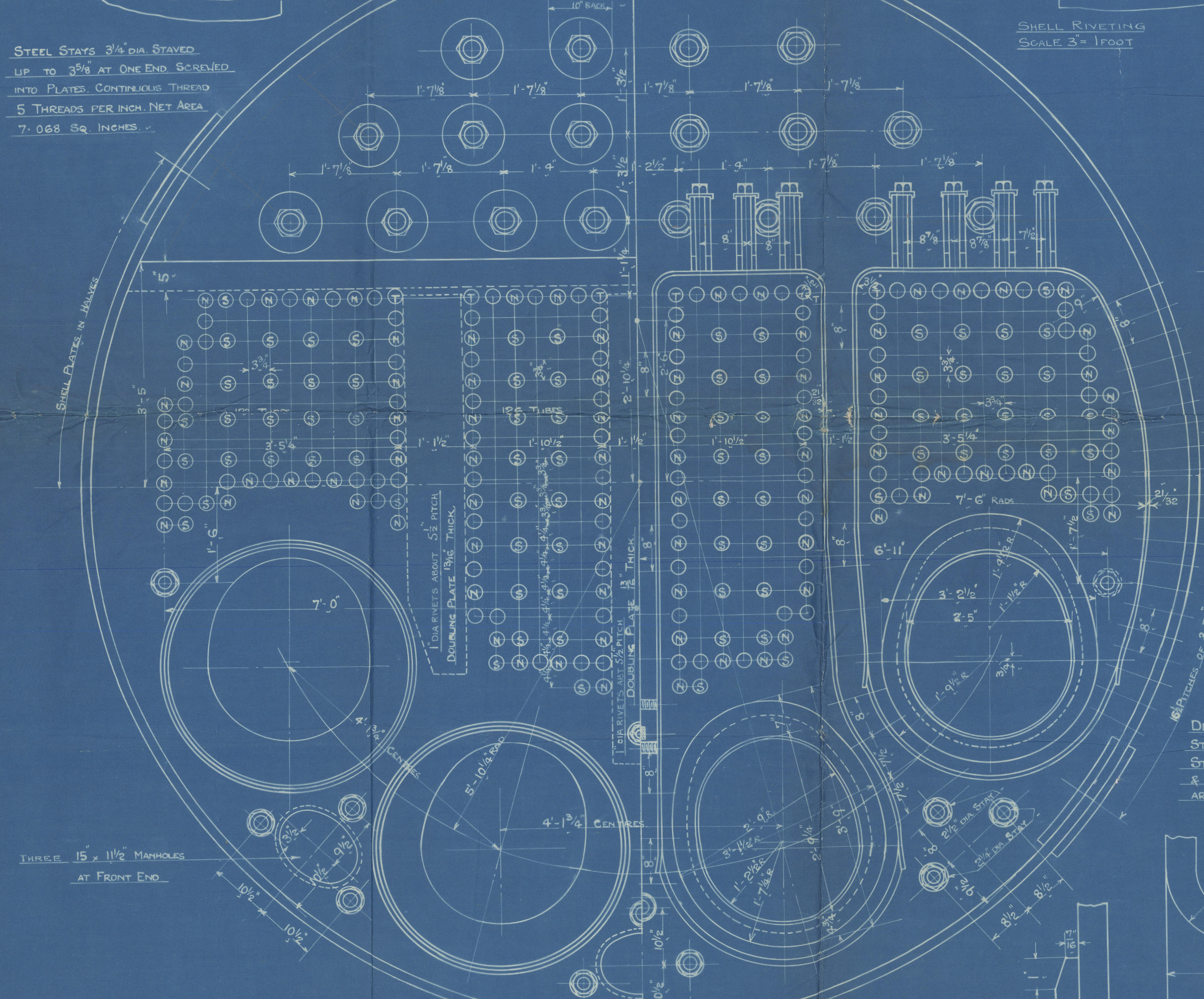
DR. N<sup>o</sup> 16813

SHELL PLATE  $\frac{1}{2}$ " THICK  
RIVET HOLES  $\frac{1}{2}$ " DIA

OUTSIDE BUTT STRAPS  $\frac{1}{2}$ " THICK  
INSIDE  $\frac{1}{2}$ " THICK



STEEL STAYS  $\frac{3}{4}$ " DIA STAYED  
UP TO  $\frac{3}{8}$ " AT ONE END SCREWED  
INTO PLATES CONTINUOUS THREAD  
5 THREADS PER INCH NET AREA  
7.068 SQ. INCHES



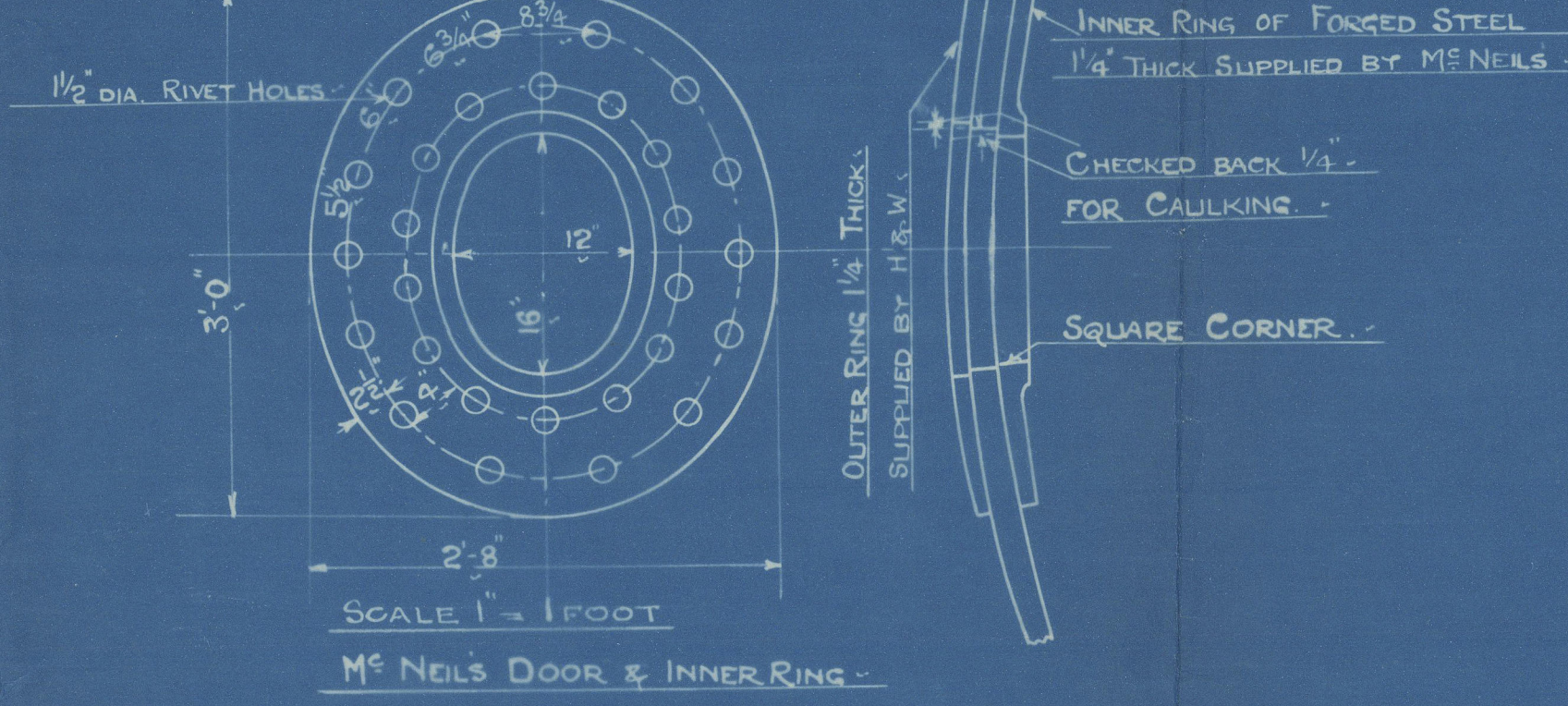
PARTICULARS OF RIVETING

SHELL	LONGITUDINAL SEAMS DOUBLE BUTT STRAPS RIVETED AS SHEWN
	STRENGTH OF PLATE 84.45% STRENGTH OF RIVET 92.4%
	CIRCUMFERENTIAL SEAMS DOUBLE RIVETED AS SHEWN
END PLATES	LAPPED DOUBLE RIVETED $\frac{1}{2}$ " RIVETS $\frac{3}{8}$ " PITCH
FURNACES & CHAMBS	DOUBLE RIVETED $\frac{1}{2}$ " RIVETS $\frac{3}{8}$ " PITCH; SINGLE RIVETED $\frac{7}{8}$ " RIVETS $\frac{2}{3}$ " PITCH
	ALL PLATES & RIVETS STEEL ALL HOLES DRILLED IN PLACE
	MINIMUM TENSILE STRENGTH OF SHELL PLATES 30 TONS PER SQ. INCH
	MAXIMUM 33
	MINIMUM BUTT STRAPS 28
	MAXIMUM 32
	MINIMUM ENDS & COMB. CHAMBS 26 TONS PER SQ. INCH
	MAXIMUM 30

WORKING PRESSURE **215** LBS. PER SQ. INCH  
**430**  
**376**

TEST FOR LLOYDS  
B.O. TRADE

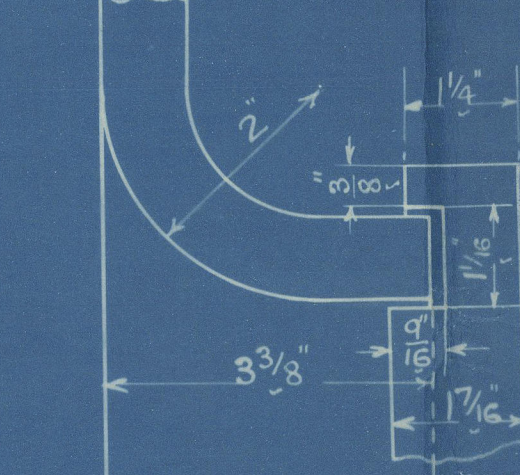
HEATING SURFACE ETC.	3 BOILERS
TUBES	6545
FURNACES	206
COMB. CHAMBERS	306
FRONT TUBE PLATE	33
TOTAL	3090
GRATE AREA (S.G. BAR)	71.5
STEAM SPACE (S. ABOVE GR.)	490
	9270
	2145
	1470



SHADED STAYS  $\frac{1}{2}$ " DIA

ARRANGEMENT OF STAYS THRO SHELL

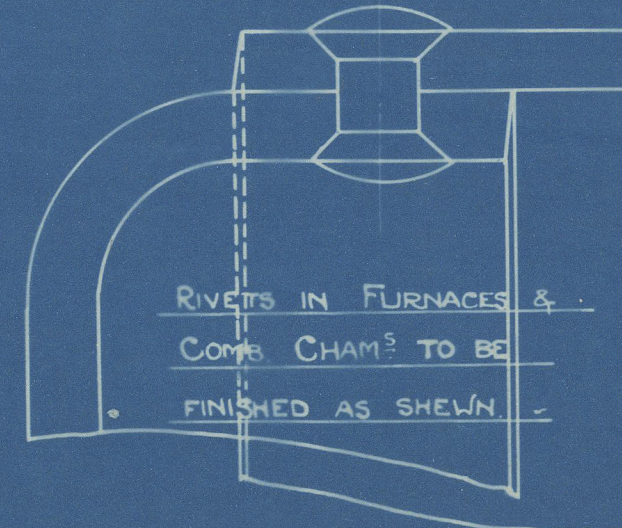
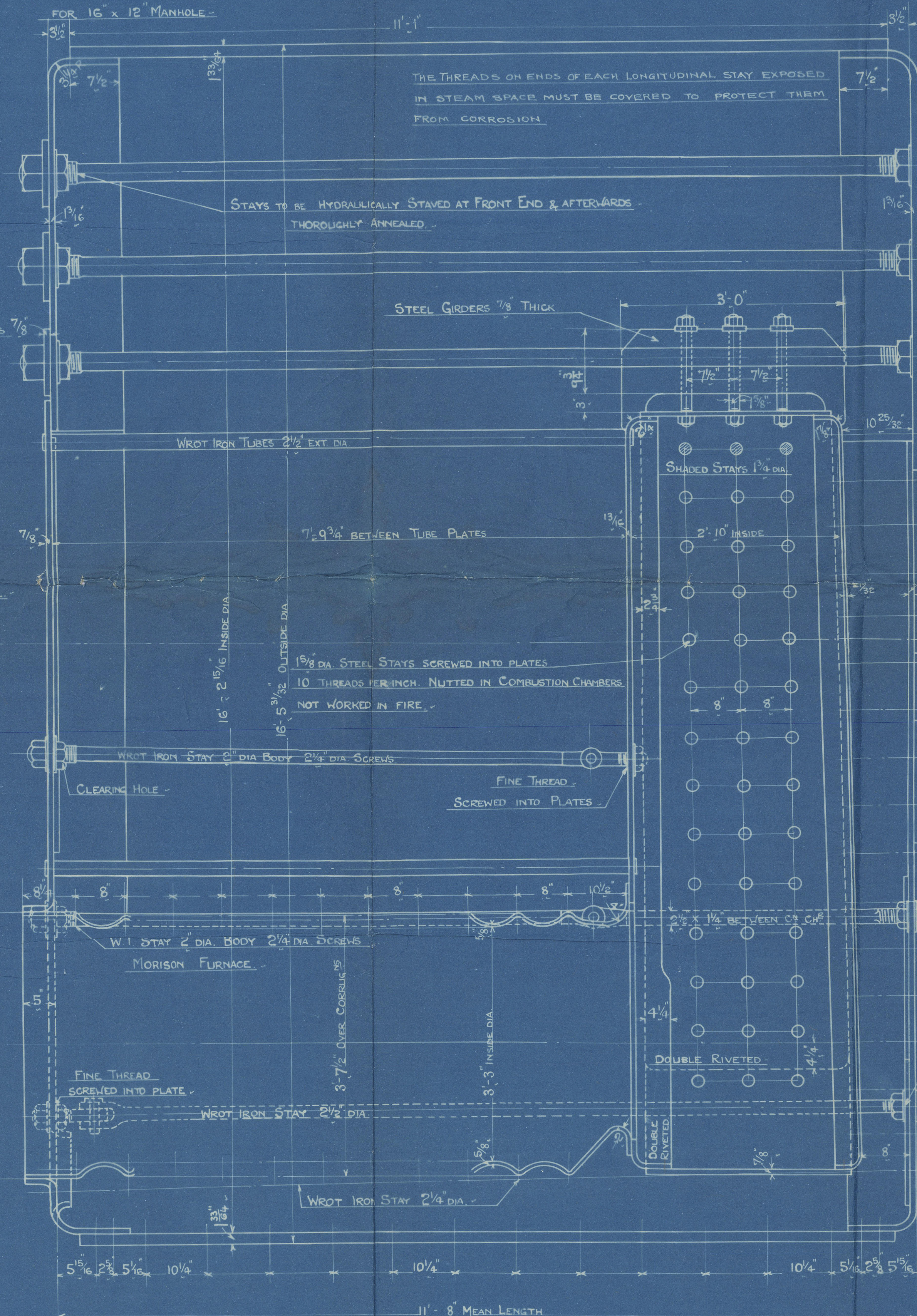
DETAIL OF SCREWED STAYS THRO SHELL  
STAYS TO PROJECT THRO PLATE  
& TO HAVE PLATE CAULKED  
AROUND STAY



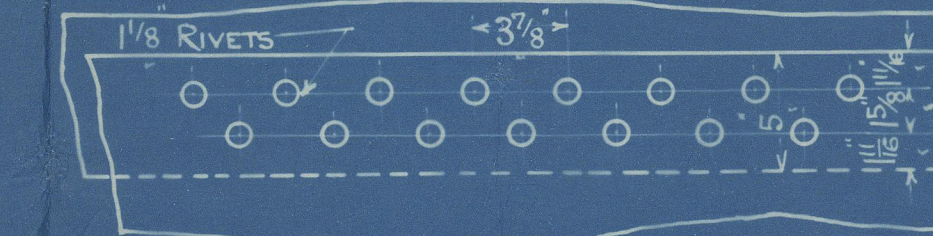
DETAIL OF FRONT MANHOLE DOOR  
SCALE HALF SIZE

FURNACES & COMB. CHAMBS  
CHAMFERED THUS ROUND  
TOP HALF  
SCALE HALF SIZE

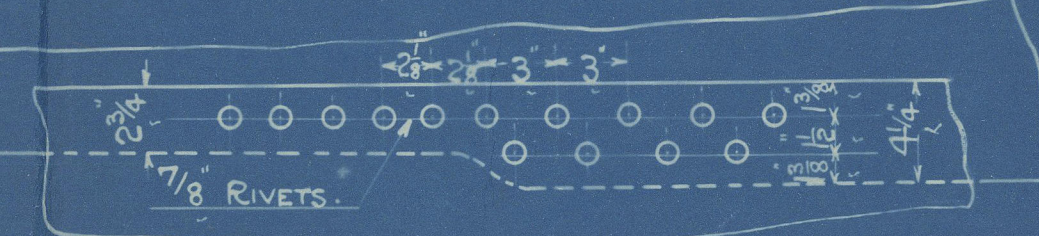
THE THREADS ON ENDS OF EACH LONGITUDINAL STAY EXPOSED  
IN STEAM SPACE MUST BE COVERED TO PROTECT THEM  
FROM CORROSION



SCALE HALF SIZE

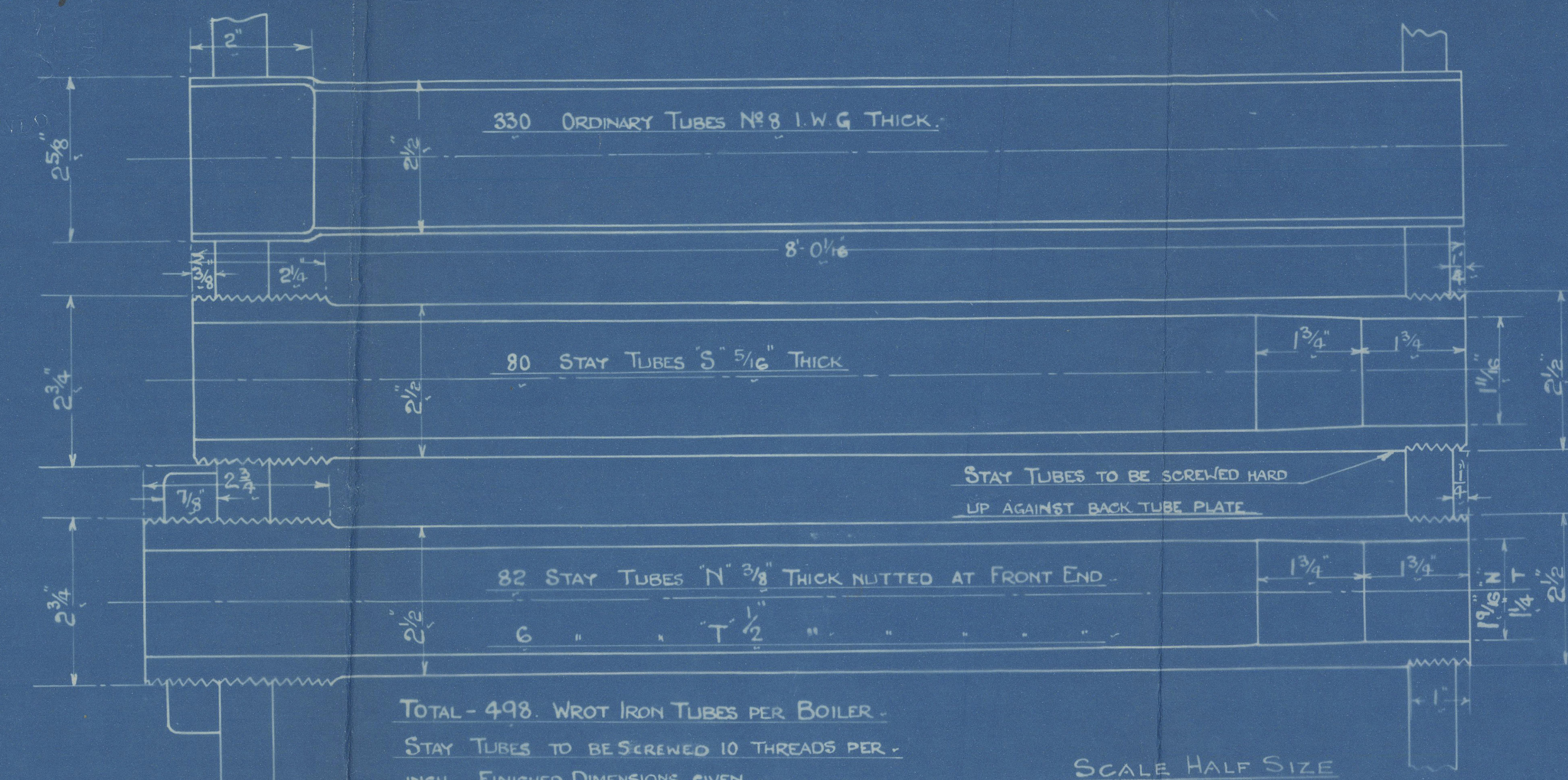


RIVETING FOR END PLATE SEAMS



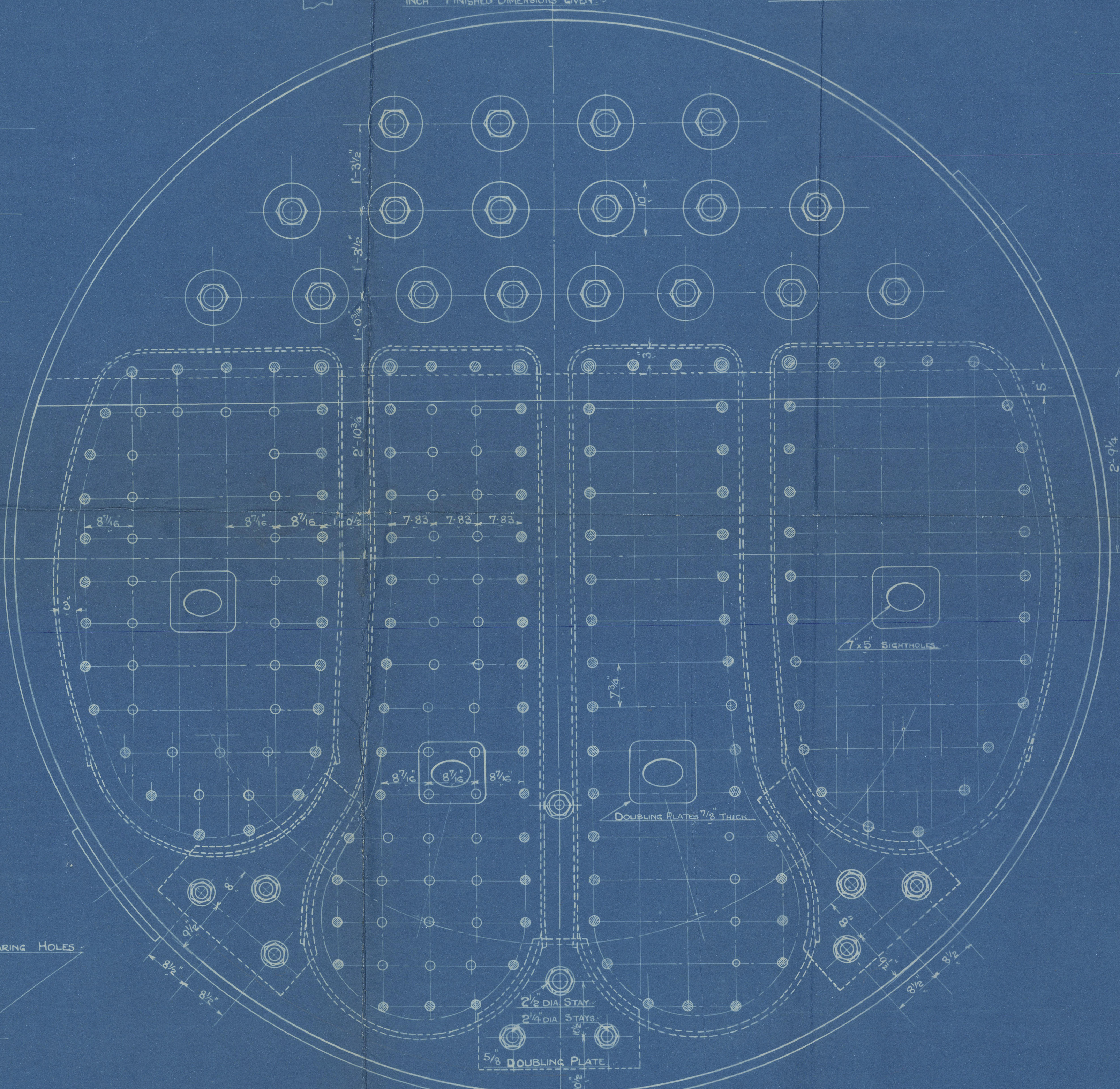
RIVETING IN FURNACES & COMB. CHAMBERS  
SCALE  $\frac{1}{2}$ " = 1 FOOT

10/6/19



TOTAL - 498 WROT IRON TUBES PER BOILER  
STAY TUBES TO BE SERVED 10 THREADS PER  
INCH FINISHED DIMENSIONS GIVEN

SCALE HALF SIZE



STEEL STAYS SCREWED INTO PLATES  
10 THREADS PER INCH, NUTTED INSIDE  
& OUTSIDE NOT WORKED IN FIRE  
PLAIN STAYS SHOWN THUS  $\frac{1}{2}$ " DIA  
SHADED  $\frac{1}{2}$ " DIA  
CORNER  $\frac{1}{2}$ " DIA

3-OFF.  
S. E. MAIN BOILER N<sup>os</sup> 5583 & 5584.

UNDER SURVEY OF BOARD OF TRADE

LLOYDS

SCALE 1" = ONE FOOT





Messrs Harland & Wolff Ltd

T. S/s N<sup>os</sup> 583-584.

S. E. MAIN BOILERS.

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TOS. 583-4

S. End Bailer

TOS. Paradies

TOS. Parabol

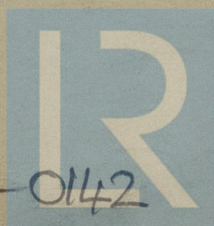
Belfast

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TOS. 583-4

S. End Bailer

RETAIN



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