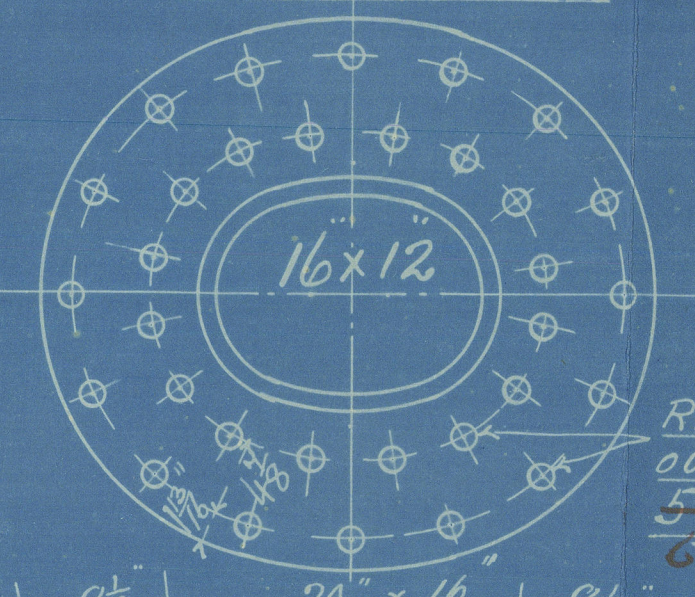


19/9/17

2. STEEL BOILERS, S.T. "SAUCY".

NOTE:
ALL PLATES, RIVETS & STAY BARS TO BE OF
SIEMENS MARTIN STEEL. ALL FLANGED
PLATES TO BE ANNEALED AFTER FLANGING.
ALL RIVET HOLES TO BE DRILLED IN PLACE
AFTER THE PLATES ARE BENT.
THE SCREW STAYS ARE $\frac{1}{8}$ " BY $\frac{1}{4}$ " EFFECTIVE
DIAM. SCREWED INTO PLATES & NUTTED
AT EACH END, SCREWED 10 THREADS PER INCH.
THE TUBES ARE OF IRON.

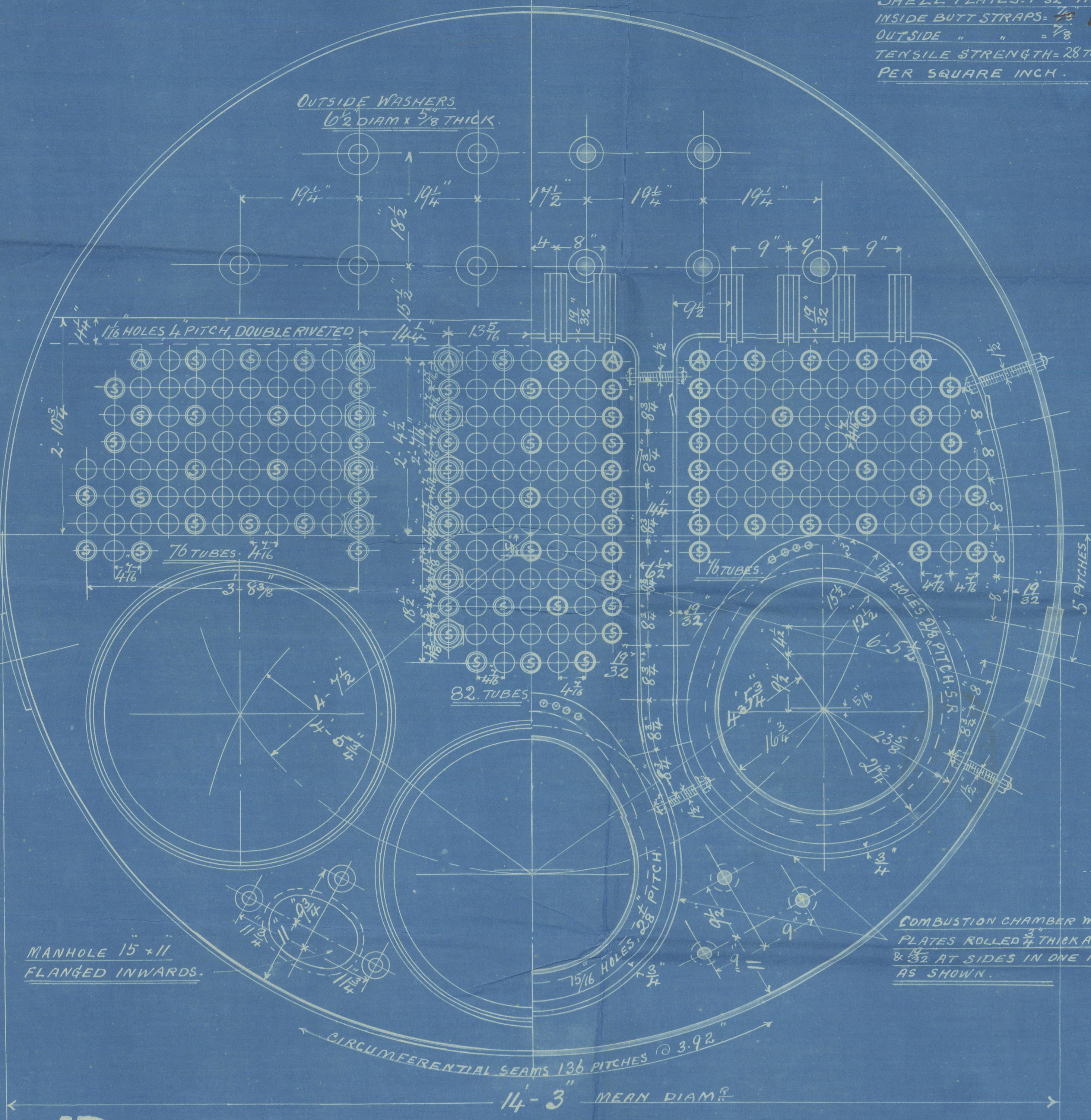
FLANGED COMPENSATING RING
ROUND MANHOLE.



RIVET HOLES $\frac{1}{2}$ " DIAM.
OUTER ROW OF RIVETS
 $5\frac{3}{4}$ " PITCH.

SHELL PLATES: $\frac{1}{32}$ " THICK.
INSIDE BUTT STRAPS: $\frac{1}{8}$ "
OUTSIDE " " $\frac{1}{8}$ "
TENSILE STRENGTH = 28 TO 32 TONS
PER SQUARE INCH.

OUTSIDE WASHERS
 $\frac{1}{2}$ " DIAM x $\frac{3}{8}$ " THICK.



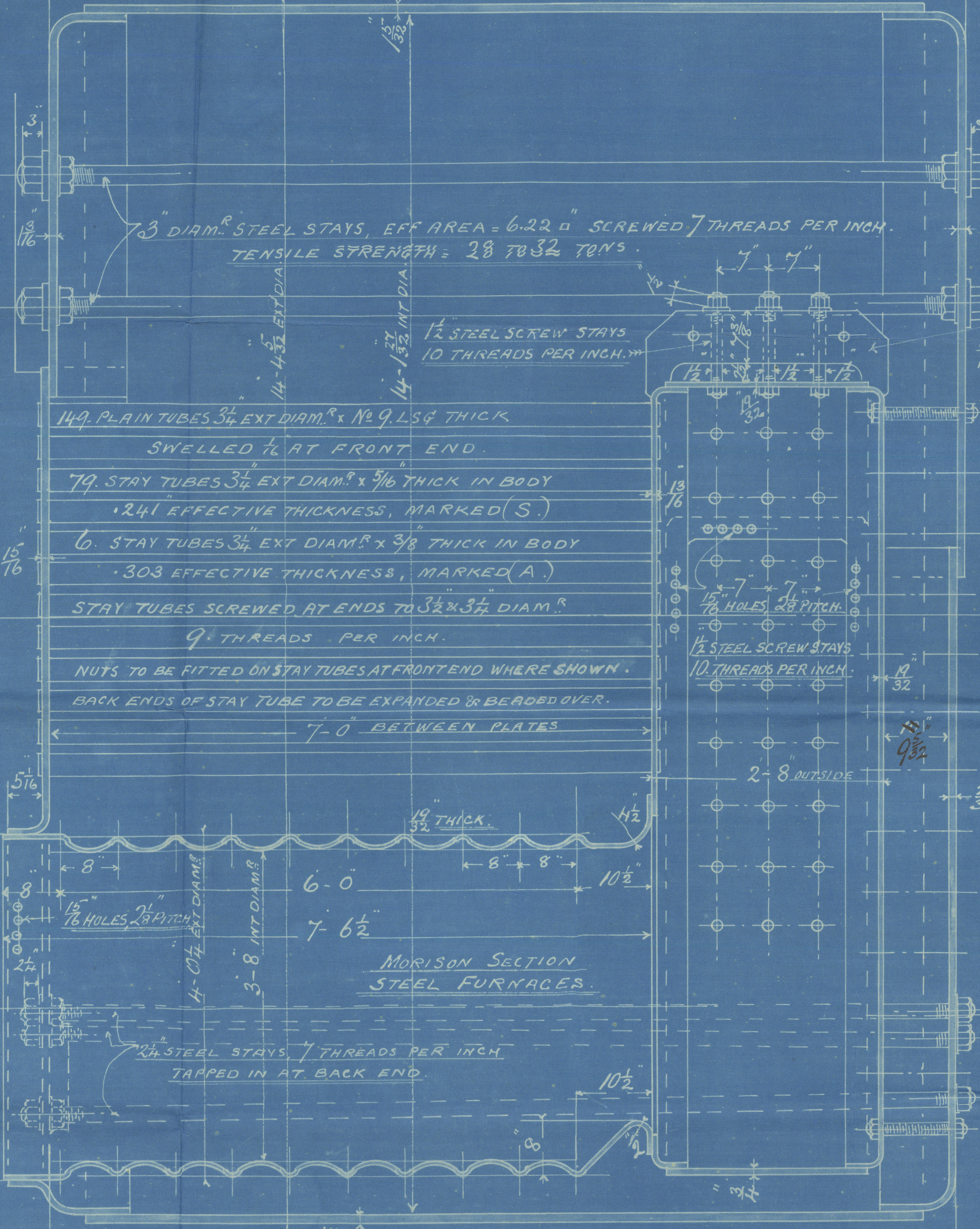
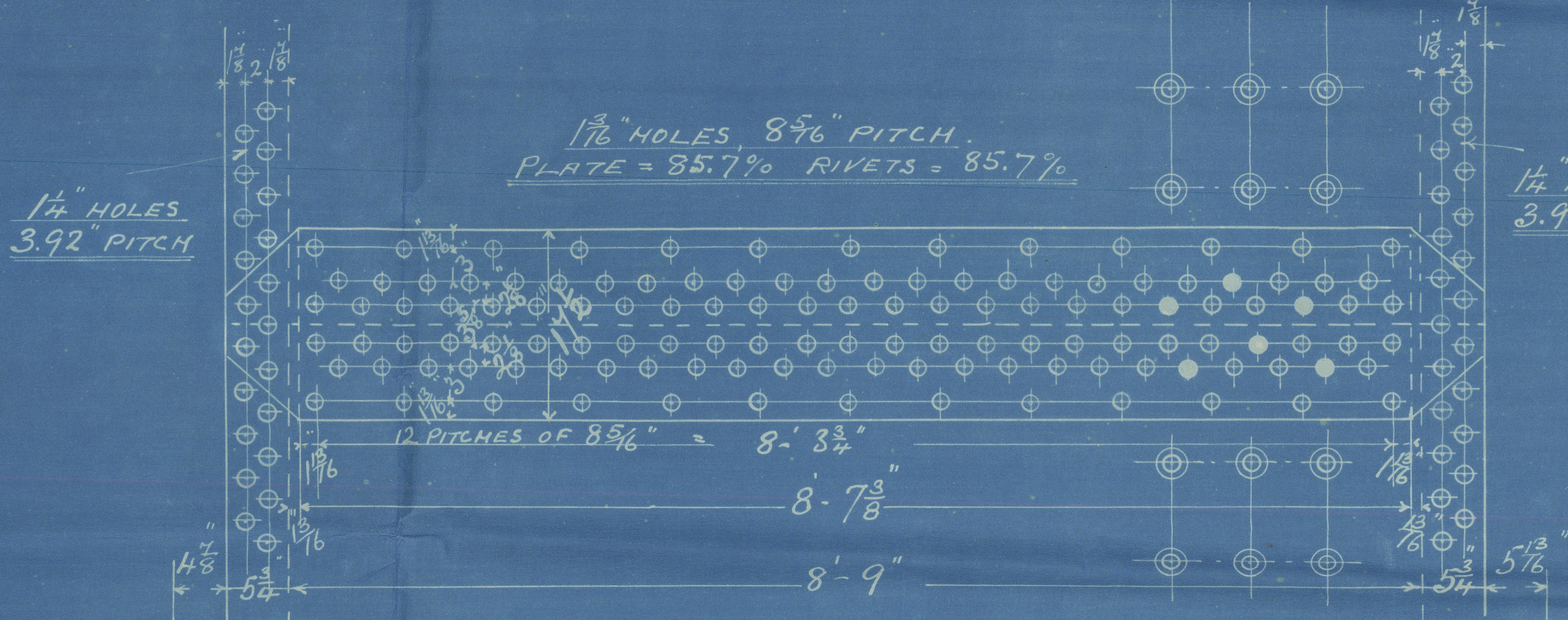
WORKING PRESSURE = 180 LBS PER SQ INCH, LLOYDS.

TEST " " = 360 " " " "
SCALE 1 INCH = 1 FOOT.

$\frac{1}{4}$ " HOLES
3.92" PITCH

$\frac{1}{16}$ " HOLES, $8\frac{5}{8}$ " PITCH.
PLATE = 85.7% RIVETS = 85.7%

$\frac{1}{4}$ " HOLES
3.92" PITCH.



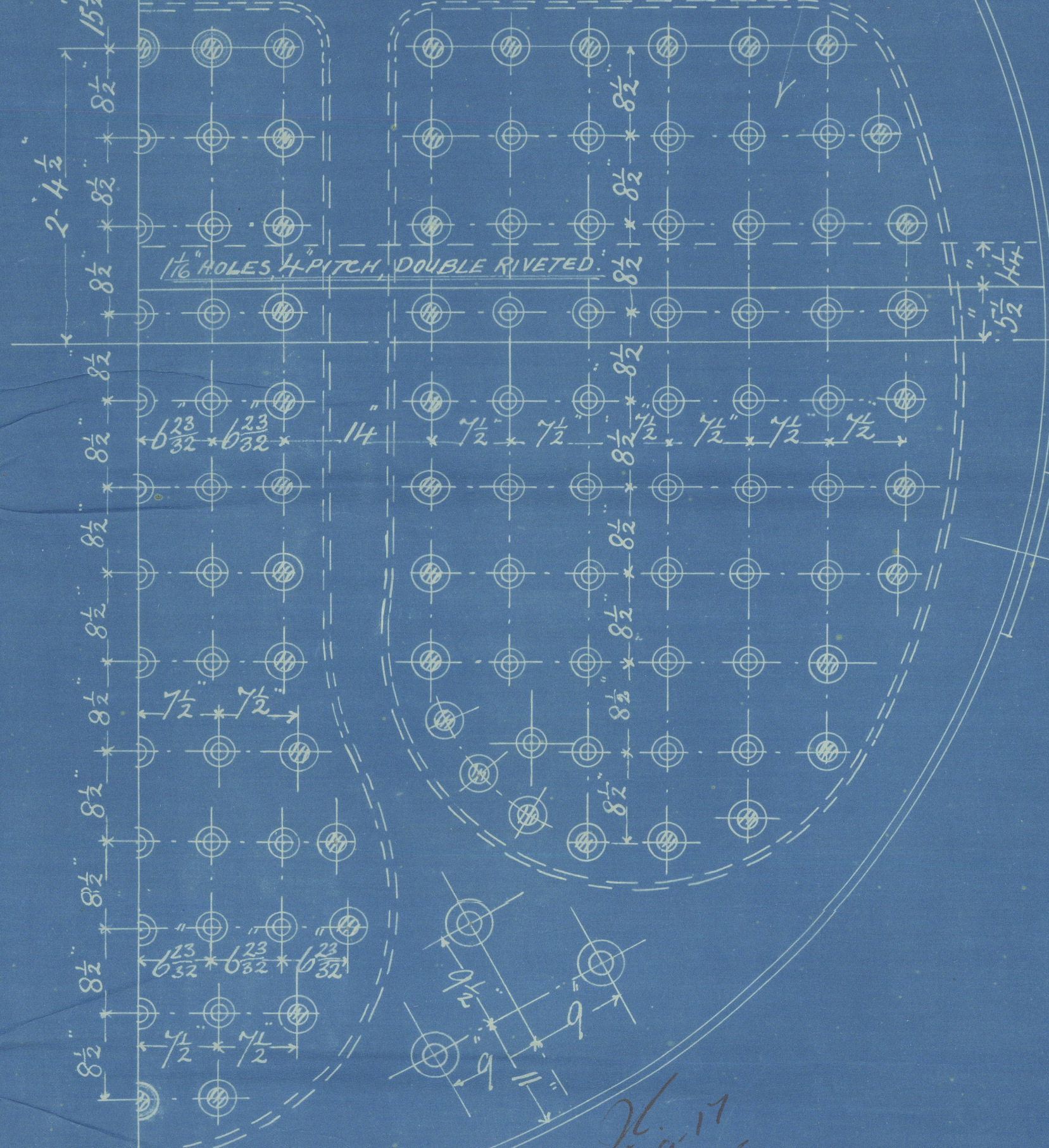
DIMENSIONS

	1 BOILER	2 BOILERS
LENGTH OF FIRE BARS	6'-0"	
AREA OF FIRE GRATE	66 sq	132 sq
DIAM OF TUBES OUTSIDE	3 1/2"	
LENGTH OF TUBES BETWEEN PLATES	7'-0"	
NO OF TUBES	234	468
AREA THROUGH TUBES	103 sq	206 sq
SURFACE OF TUBES	1392 sq	2784 sq
TOTAL HEATING SURFACE	1800 sq	3600 sq
WORKING PRESSURE	180 LBS.	

$\frac{1}{2}$ " STEEL SCREW STAYS SHOWN THUS:
 $\frac{1}{8}$ " " " " " " "
ALL SCREWED 10 THREADS PER INCH

OUTSIDE WASHERS
 $\frac{1}{2}$ " DIAM x $\frac{3}{8}$ " THICK.

DOUBLE STEEL
GIRDERS $\frac{3}{8}$ " x $\frac{1}{2}$ " THICK
RIVETED TOGETHER.



19/9/17

S.T. SAUCY.

Nº 11363.

R.

9992
14-9-17

13.9.1917

W1230-0075

2 Steel Boilers
Messrs. Charles C. La
S. T. Lacey for
Lumpston Steamer
W.P. 180

Hull Rpt No 30,643 11/9/17 *JS*



RETAIN



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