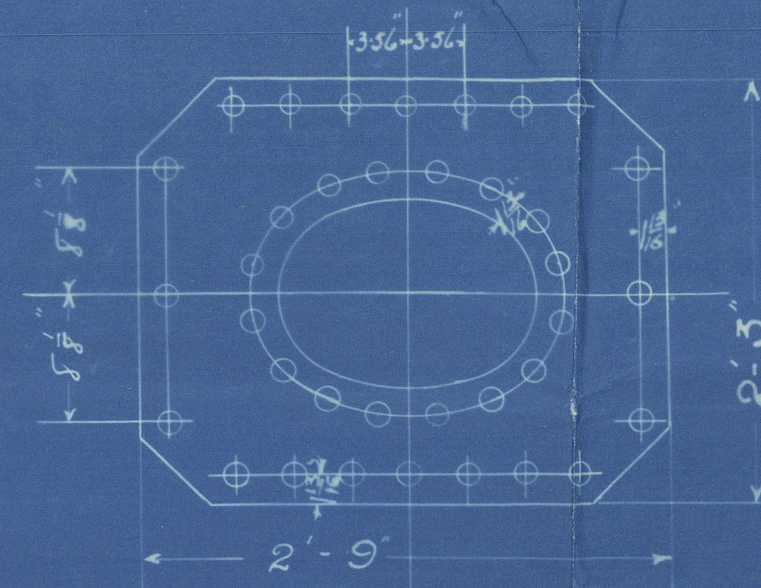
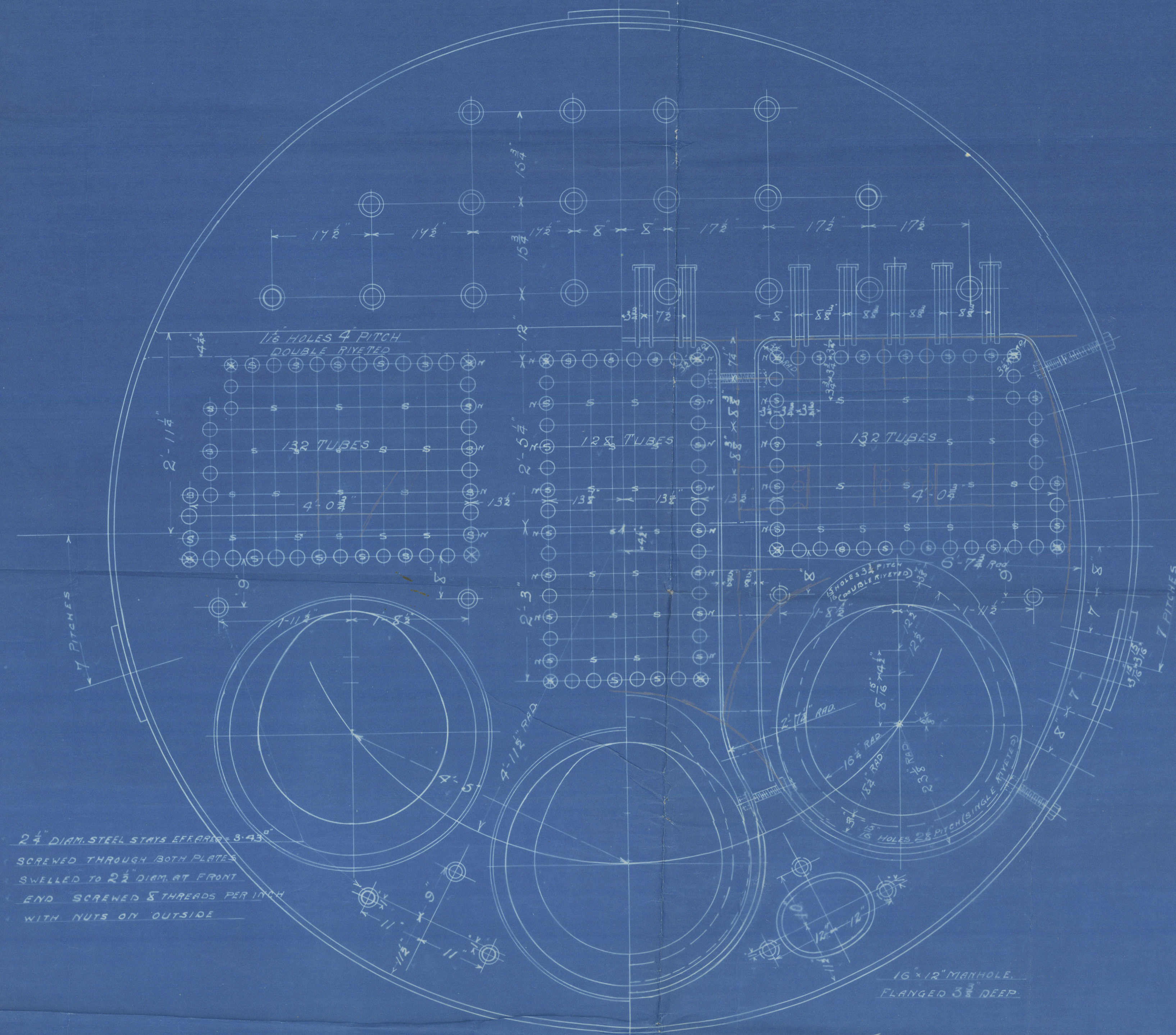


11/6/15



SHELL OPENING 16"x12", DOUBLER 16 1/2"x12 1/4"  
PLATE 1/8" THICK, RIVET HOLES 1 1/2" DIAM.



2 1/4" DIAM. STEEL STAYS EFF AREA 8.430  
SCREWED THROUGH BOTH PLATES  
SWELLED TO 2 1/2" DIAM. AT FRONT  
END SCREWED 5 THREADS PER INCH  
WITH NUTS ON OUTSIDE

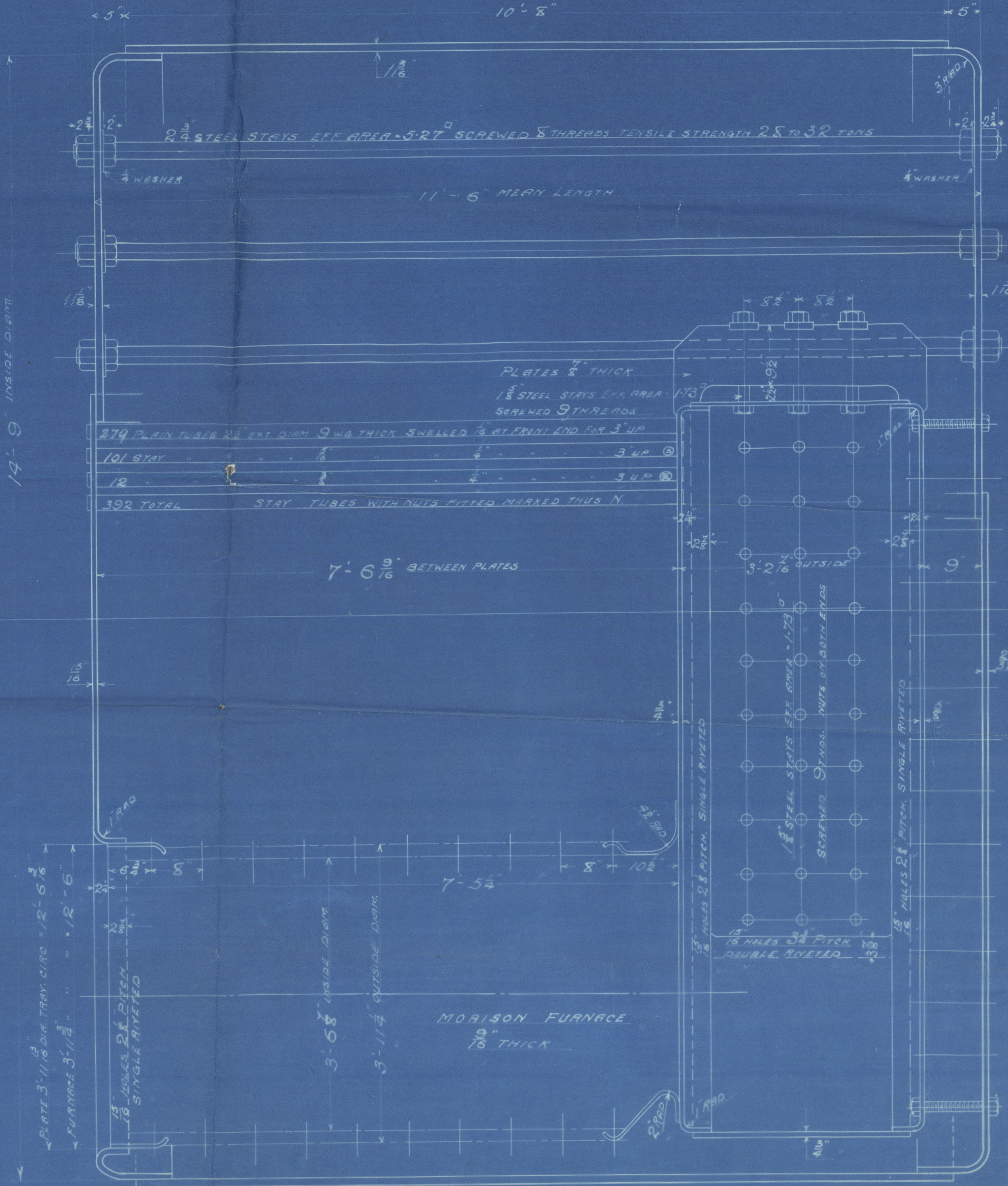
16" x 12" MANHOLE  
FLANGED 3" DEEP

CIRCUMFERENTIAL SEAMS 156 PITCHES @ 3'-6"

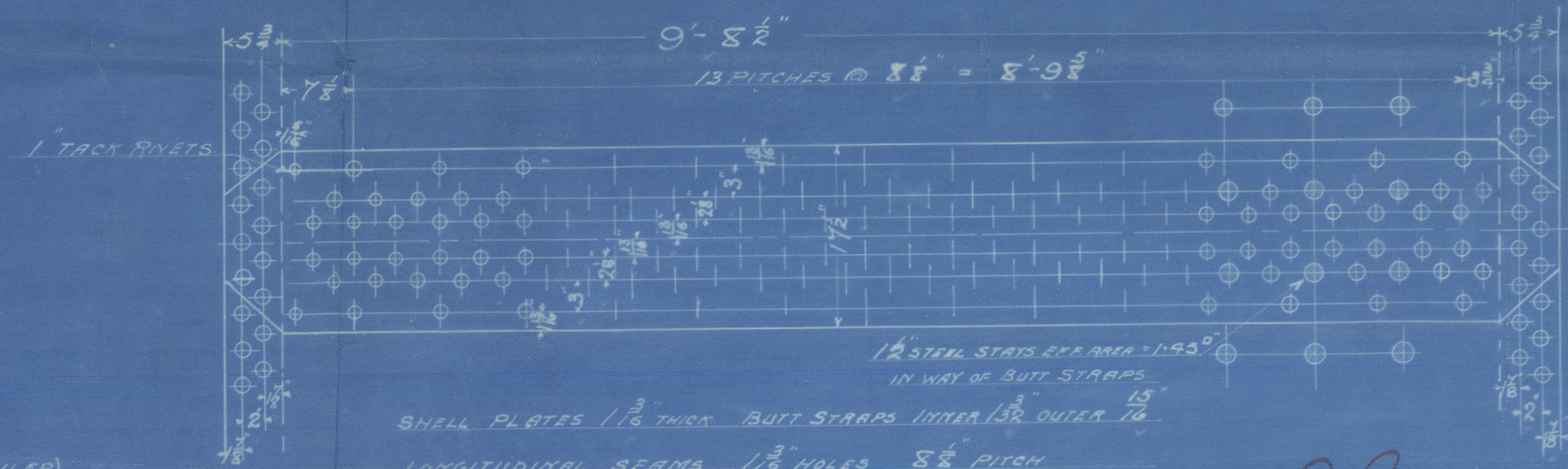
SHELL PLATES, BUTT STRAPS & GIRDERS TO BE 25 TO 32 TONS TENSILE  
STEEL THROUGHOUT EXCEPT TUBES WHICH ARE OF IRON  
ALL HOLES DRILLED IN PLACE  
TO PASS LLOYD'S SURVEY FOR 180 LBS. WORKING PRESSURE

| HEATING SURFACE (1 BOILER) |              |
|----------------------------|--------------|
| TUBES                      | 1935 sq. ft. |
| FURNACES                   | 132 sq. ft.  |
| CONA CHAMBERS              | 278 sq. ft.  |
| TOTAL                      | 2345 sq. ft. |

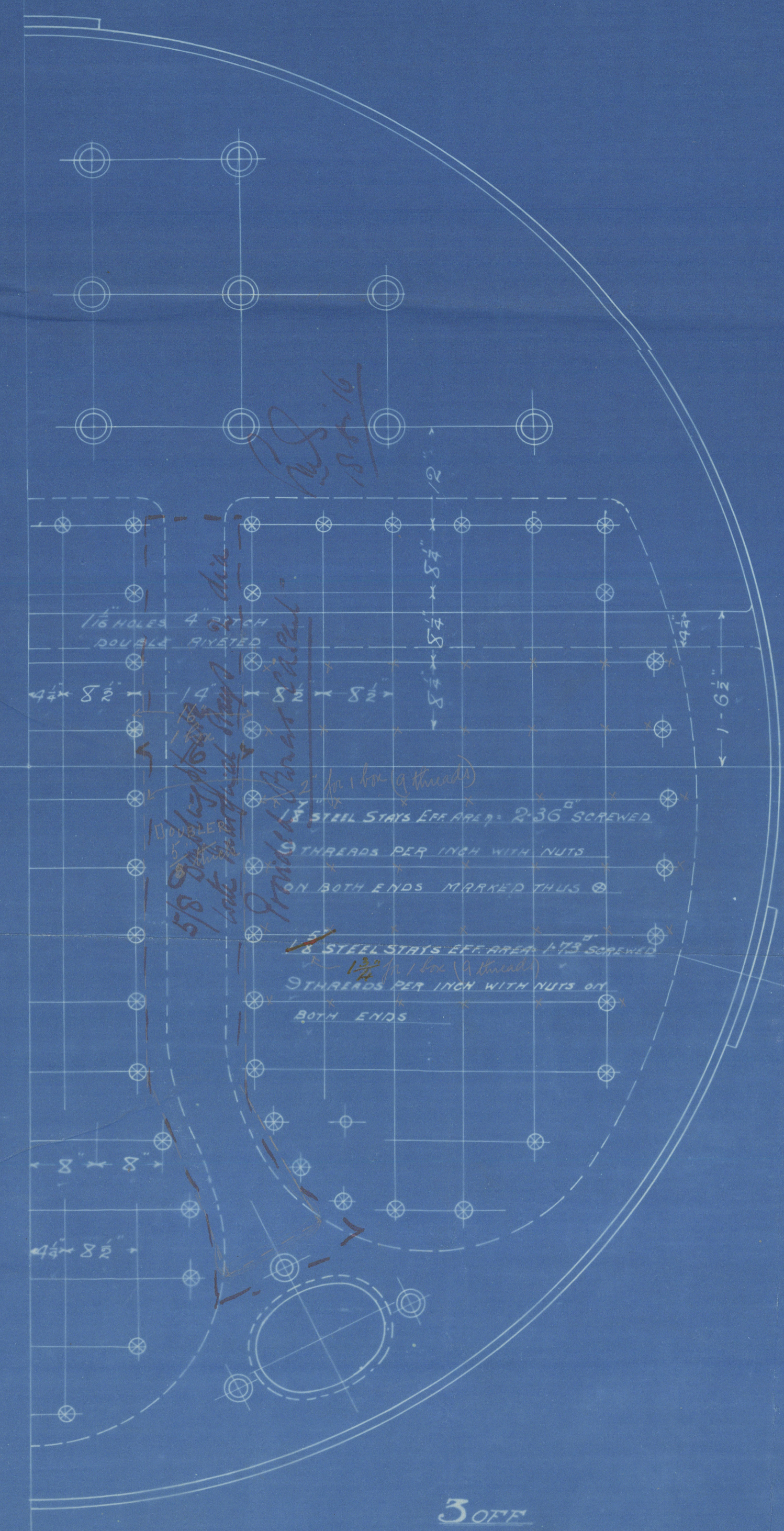
GRATE SURFACE @ 5'-3" BARS = 56.3 sq. ft. (1 BOILER)



MORISON FURNACE  
10" THICK



1/2" STEEL STAYS EFF AREA 1.195  
IN WAY OF BUTT STRAPS  
SHELL PLATES 1/8" THICK BUTT STRAPS INTER 1/8" OVER 1/2"  
LONGITUDINAL SEAMS 1 1/2" HOLES 5 1/2" PITCH  
CIRCUMFERENTIAL 1 1/2" HOLES 3'-6" PITCH



# MAIN BOILERS ENC N° 445

SCALE 1" = 1 FOOT

11-6-15  
9.11.15



11-6-15  
11-6-15  
11-6-15

Clyde & B. & C.

No 445

Three

Main Buis

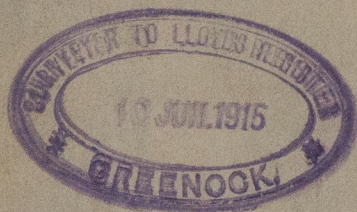
180th W. P.

Ja

Russell St. No 697

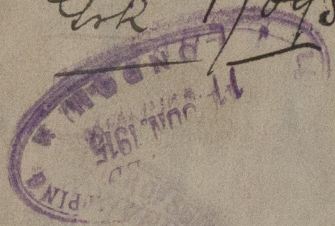
Sat Glasgow

Grp Rpt. No: 17095.



8/s. Ardgask.

Grp 17095



Mark 8

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