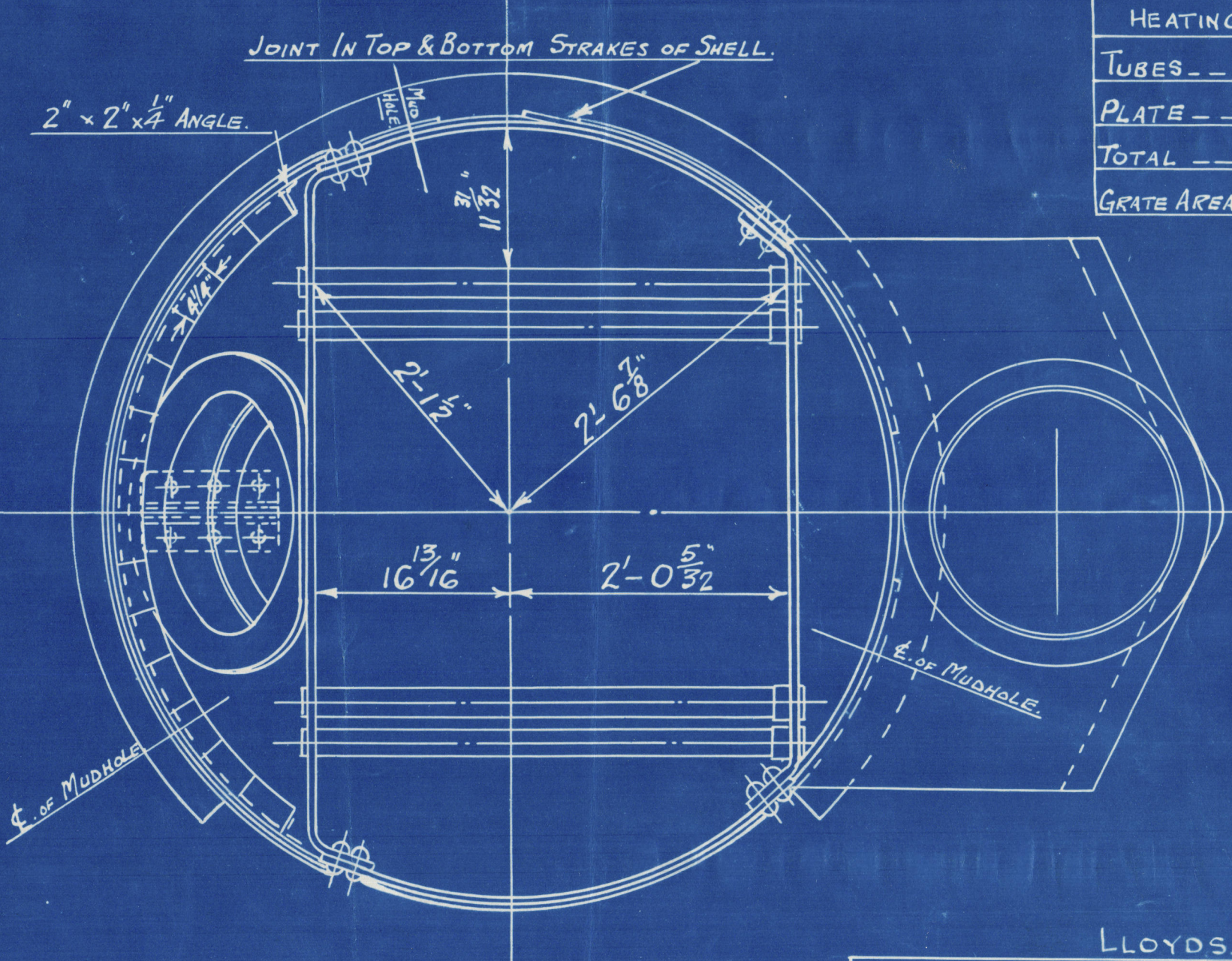
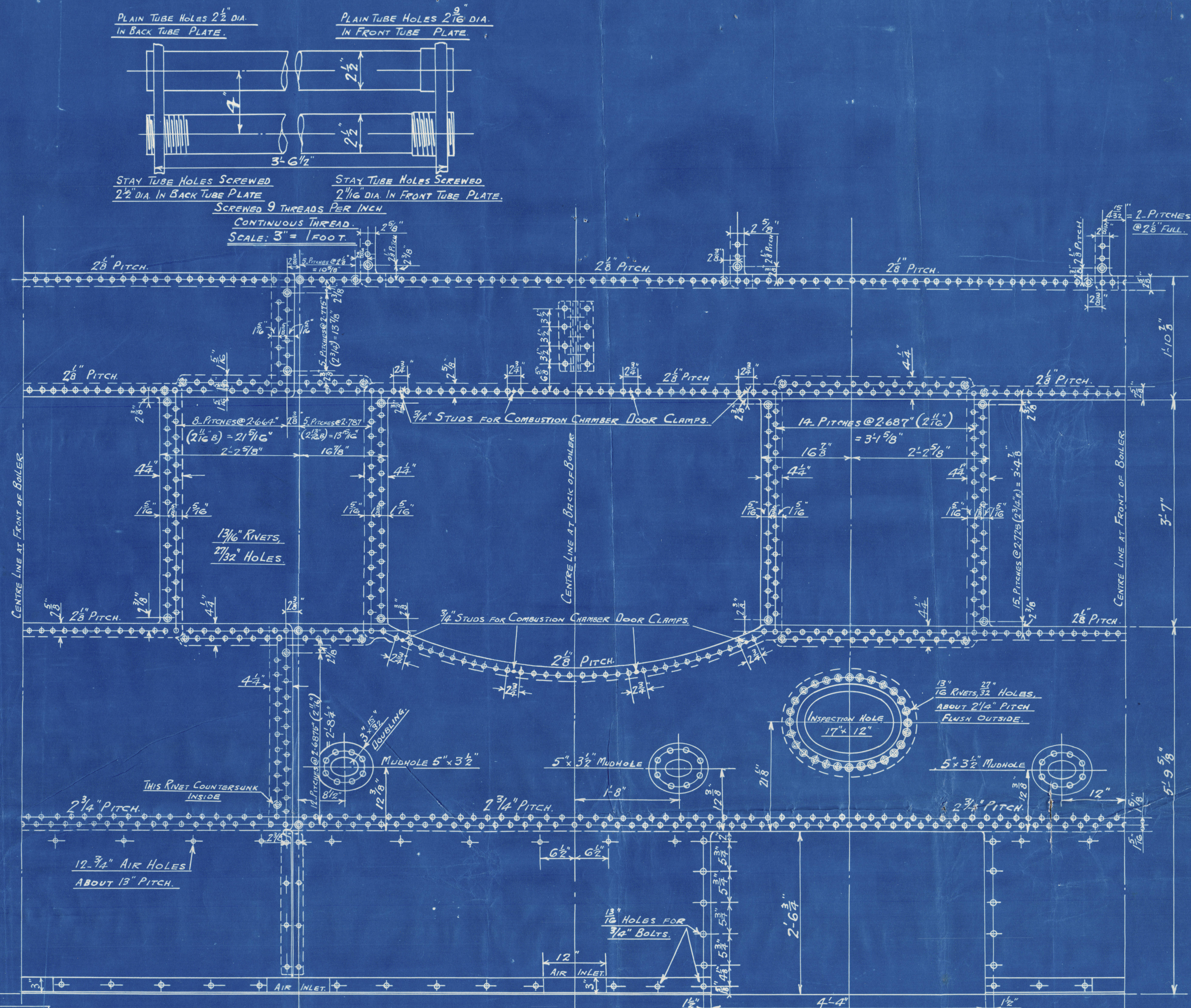
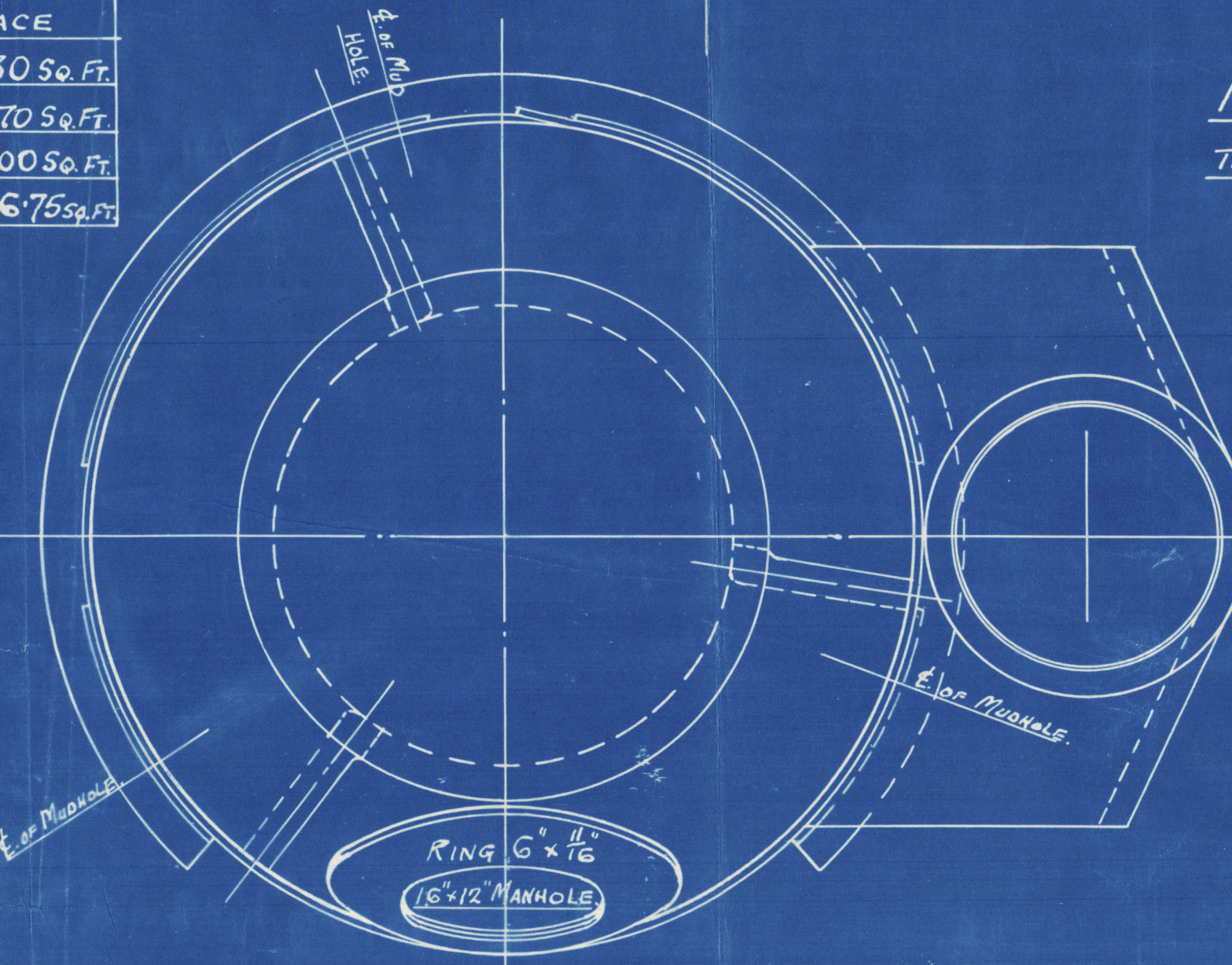


HORIZONTAL FLUE TUBES



HEATING SURFACE	
TUBES	230 SQ. FT.
PLATE	70 SQ. FT.
TOTAL	300 SQ. FT.
GRATE AREA	16.75 SQ. FT.



MANHOLE AND MUDHOLE DOORS TO HAVE STUDS SCREWED THROUGH PLATES, AND FITTED WITH NUTS INSIDE.

For approval
Approved 8-2-27.

Nº 619.

PATENT BOILER NO 10275

5'-6" x 14'-0" x 300 lbs. x 120 lbs. W.P.

SCALE 1 INCH TO 1 FOOT.

SIEMENS MARTIN MILD STEEL PLATES.
TENSILE TESTS.

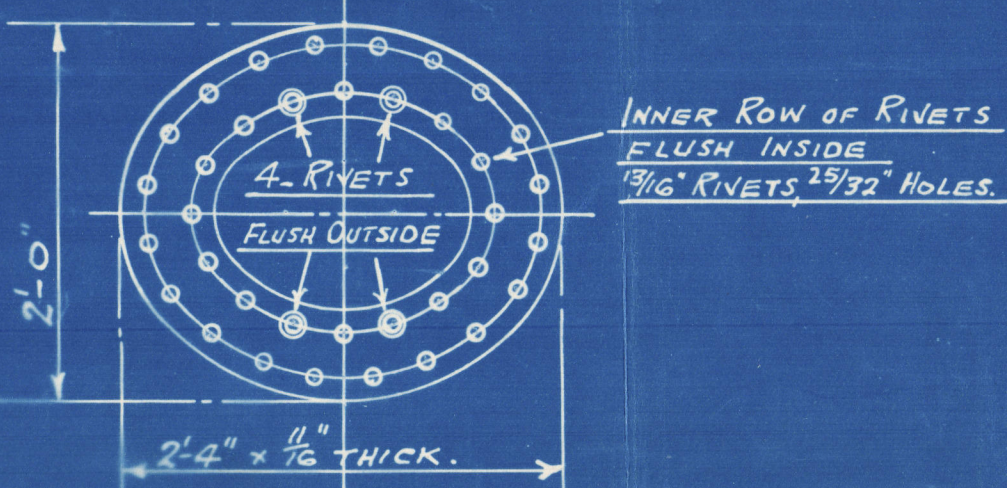
PLATES NOT EXPOSED TO FLAME OR FLANGED ----- 28 TO 32 TONS.
PLATES EXPOSED TO FLAME OR FLANGED, & RIVETS ----- 26 TO 30 TONS.

DRAWING. №. 15317.

COCHRAN & CO. ANNAN LTD.
ENGINEERS & BOILERMAKERS
ANNAN, SCOTLAND

LLOYDS		
PLATE	$\frac{26875 - 84375}{8.675} \times 100$	= 68.6%
RIVETS	$\frac{100(23 \times 55914 \times 2)}{28 \times 2.775 \times 46875}$	= 70.5%
FRONT TUBE	$\frac{4 - 2.625}{4.2625} \times 100$	= 34.4%
BACK TUBE PLATE	$\frac{4 - 2.5}{4.2} \times 100$	= 37.5%
SHELL	$\frac{(15.2) \times 28 \times 68}{2.9 \times 66}$	= 130.3 LBS
FRONT TUBE PLATE	$\frac{(27.2) \times 28 \times 34.4}{2.9 \times 28 \times 30.75}$	= 124.8 LBS
BACK TUBE PLATE	$\frac{(22.2) \times 28 \times 37.5}{2.9 \times 28 \times 37.5}$	= 131.8 LBS
FURNACE CROWN	$\frac{275(16.1)}{28.5}$	= 144.8 LBS
OGEE RING	$\frac{140(24.1 \times 2)}{66 \times (66 \times 37)}$	= 124.7 LBS

PLAN OF SHELL CROWN JOINTS.



COCHRAN & CO., ANNAN, LD.

Boiler No. 10275

Drawing No. 15317

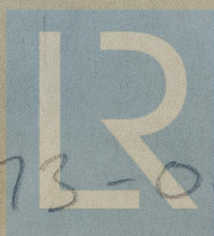
W.P. 120 lbs/sq"

Serial
No. 10274

GLASGOW REPORT No. 47043

now attached

Glasgow Report No. 794!
WV. ELWA.



© 2020

Lloyd's Register
Foundation

W273-0099