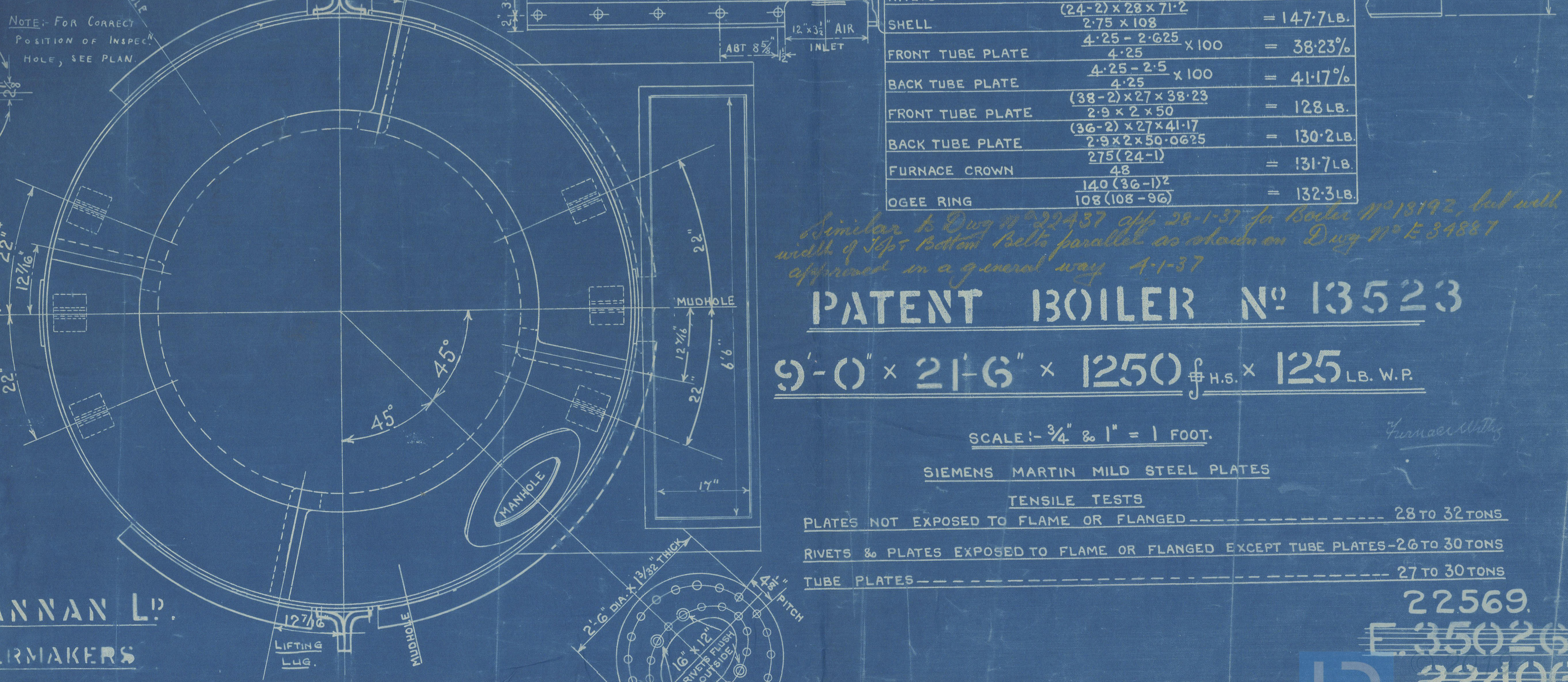
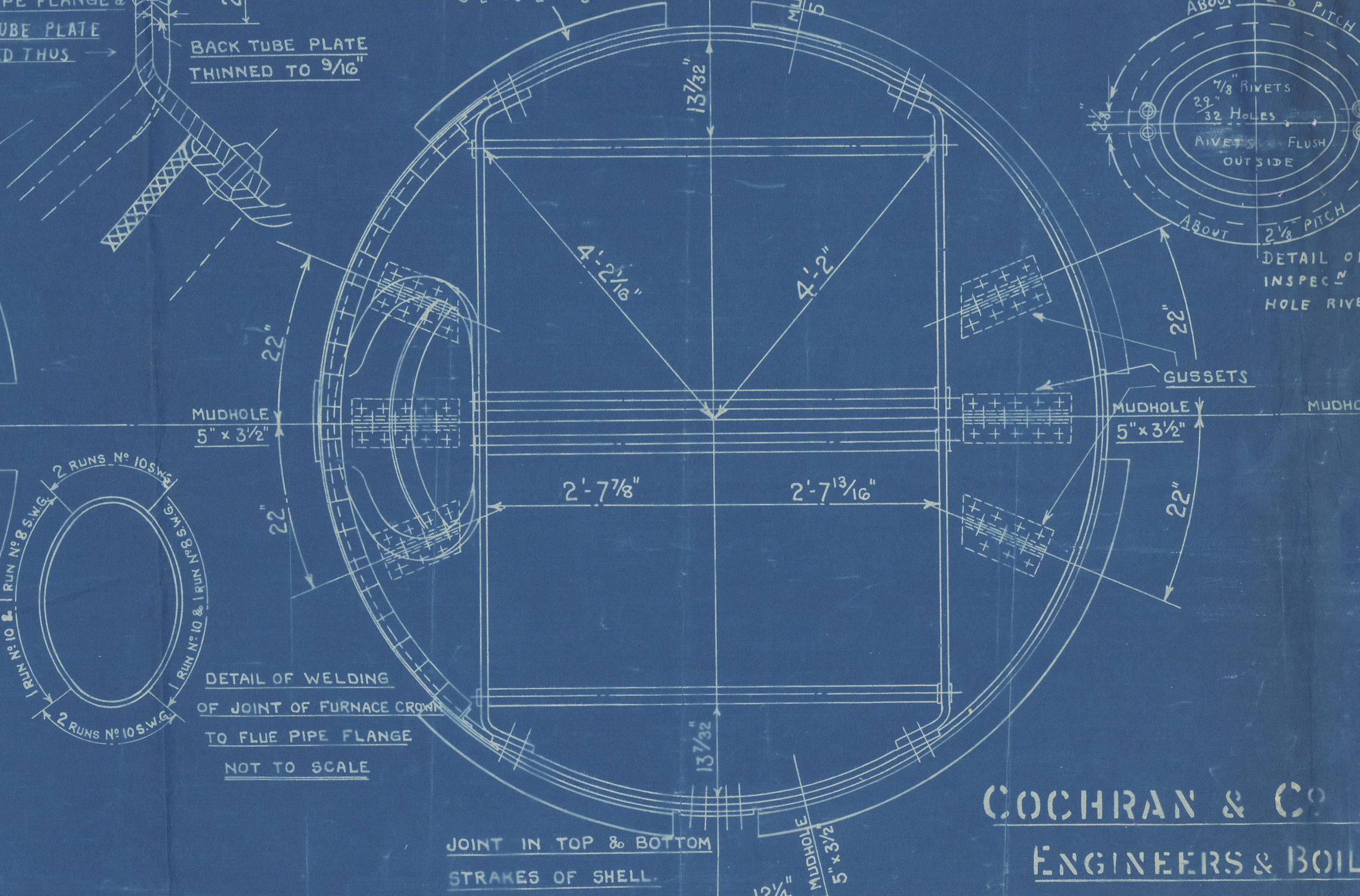
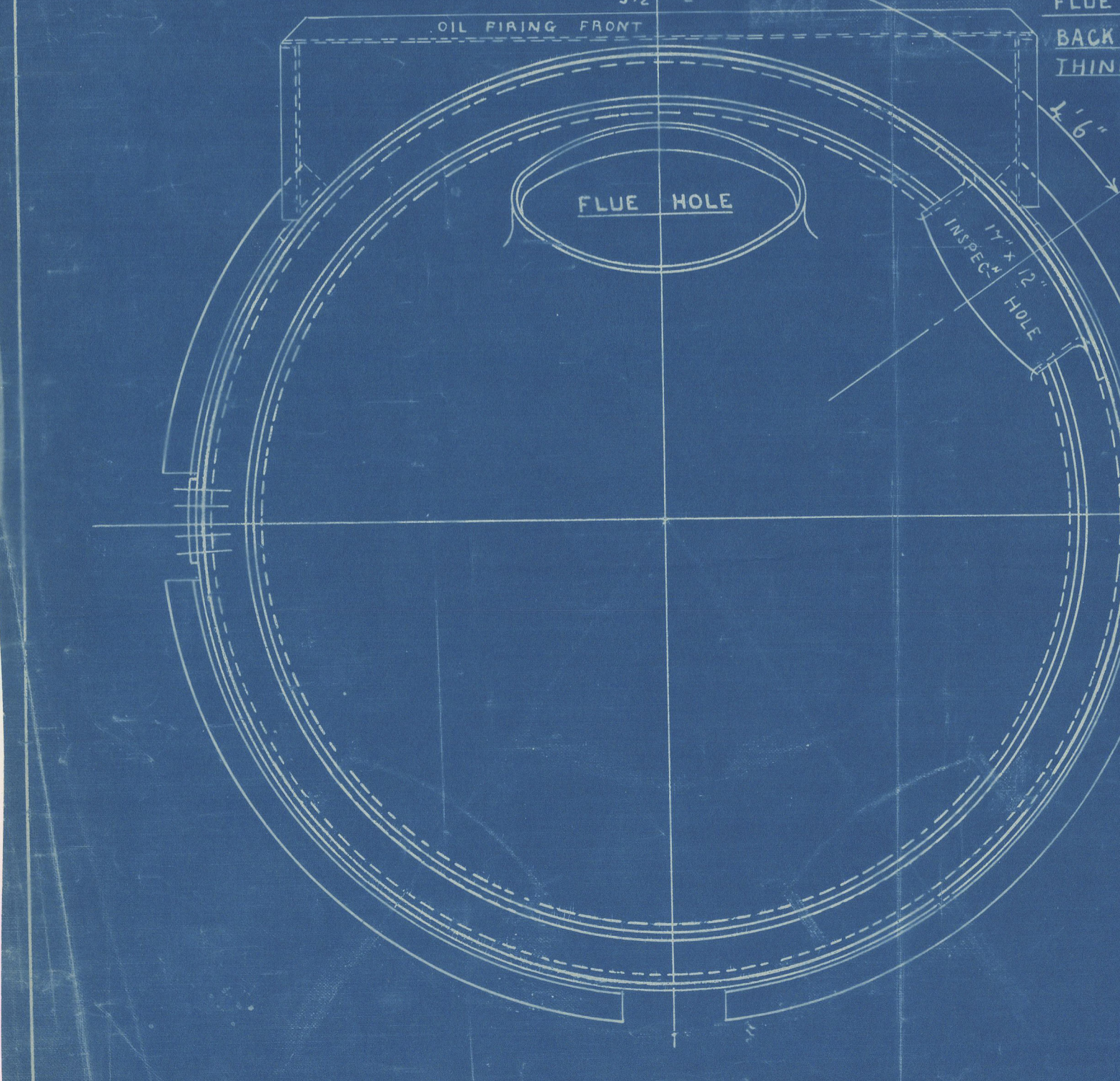
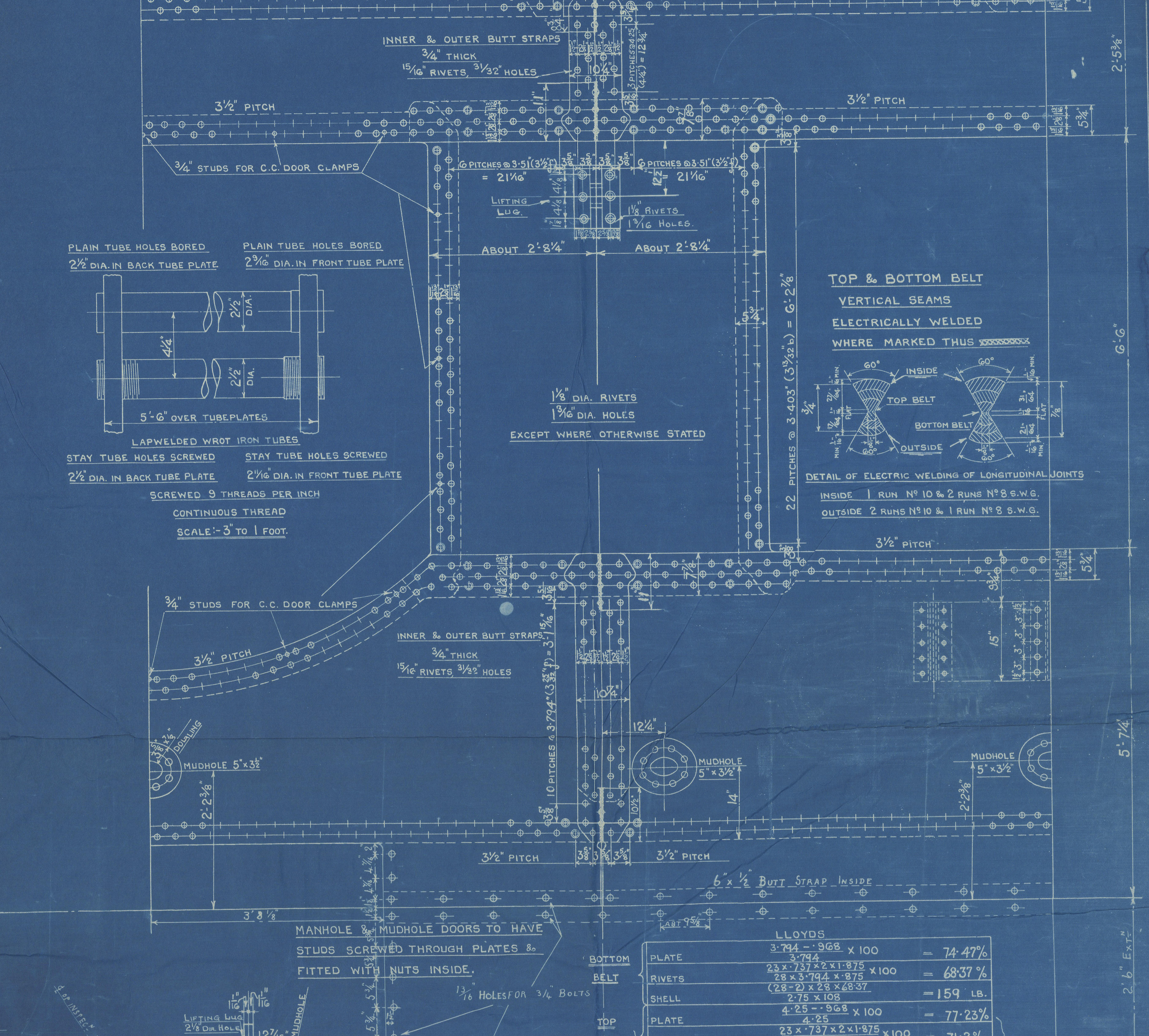
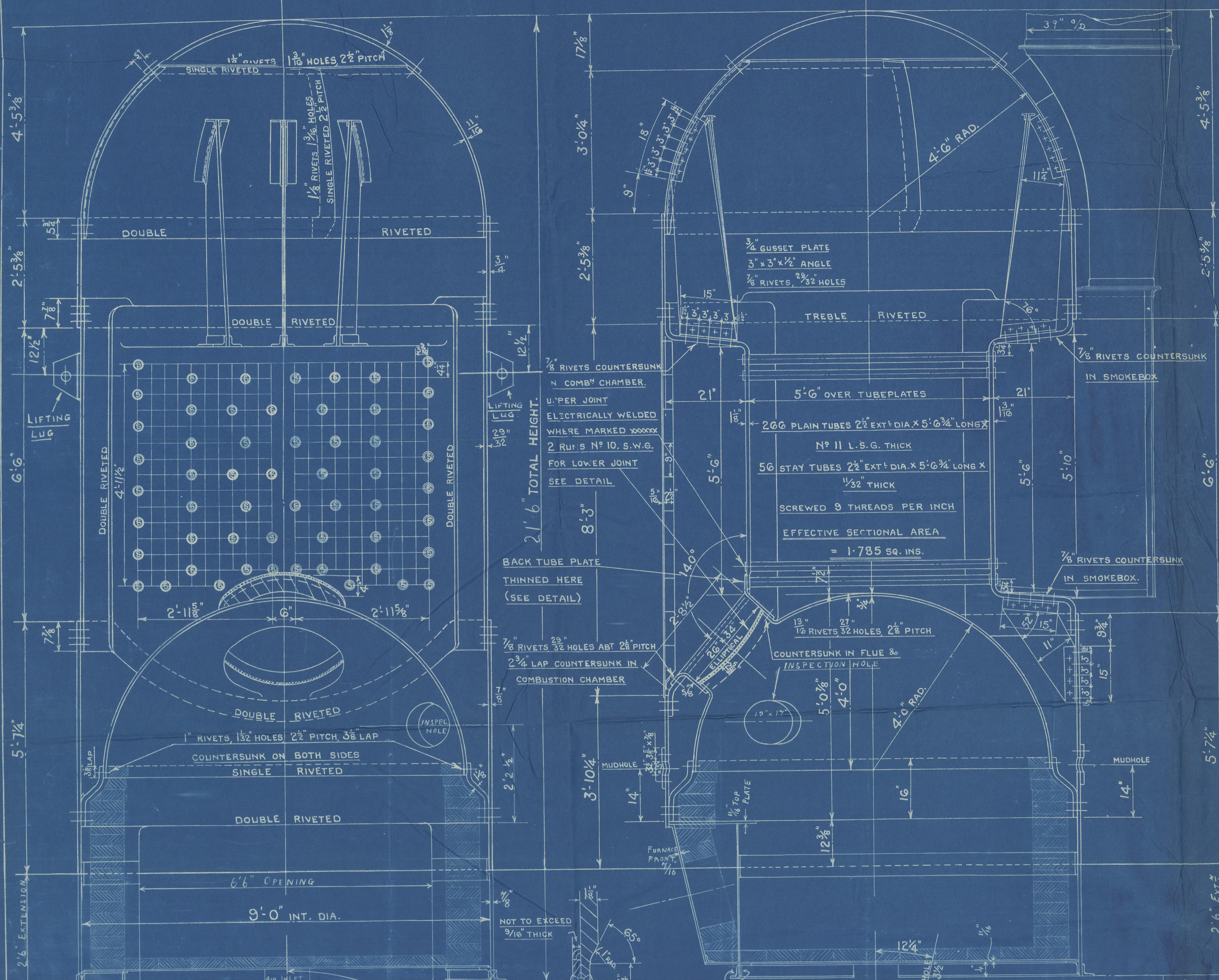


# COCHRAN PATENT VERTICAL MULTITUBULAR BOILER

HORIZONTAL FLUE TUBES



LLOYDS	
PLATE	3-794 - 968 x 100 = 74.47%
RIVETS	23 x 737 x 2 x 1875 x 100 = 68.37%
SHELL	(28-2) x 23 x 68.37 = 159 LB.
PLATE	4-25 - 968 x 100 = 77.23%
RIVETS	23 x 737 x 2 x 1875 x 100 = 71.2%
SHELL	(24-2) x 23 x 71.2 = 147.7 LB.
FRONT TUBE PLATE	4-25 - 2-625 x 100 = 38.23%
BACK TUBE PLATE	4-25 - 2-5 x 100 = 41.17%
FRONT TUBE PLATE	(38-2) x 27 x 38.23 = 128 LB.
BACK TUBE PLATE	(36-2) x 27 x 41.17 = 130.2 LB.
FURNACE CROWN	2-15 (24-1) = 131.7 LB.
OGEE RING	140 (36-1) 1/2 = 132.3 LB.

Similar to Dwg No 22437 of 28-1-37 for Boiler No 15192, but with width of top bottom belts parallel as shown on Dwg No 22437 and approved in a general way 4-1-37

## PATENT BOILER No 13523

9'-0" x 21'-6" x 1250 # H.S. x 125 LB. W.P.

SCALE: 3/4" & 1" = 1 FOOT.  
SIEMENS MARTIN MILD STEEL PLATES  
TENSILE TESTS  
PLATES NOT EXPOSED TO FLAME OR FLANGED ----- 28 TO 32 TONS  
RIVETS & PLATES EXPOSED TO FLAME OR FLANGED EXCEPT TUBE PLATES-26 TO 30 TONS  
TUBE PLATES ----- 27 TO 30 TONS

COCHRAN & CO ANNAN L<sup>Y</sup>.  
ENGINEERS & BOILERMAKERS  
ANNAN SCOTLAND

SURVEY:- LLOYDS

22569.  
E.35026  
22406  
DRAWING No E.34557

COCHRAN & ANNAN<sup>L</sup>

BOILER N<sup>o</sup>

13523

DRAWING N<sup>o</sup>

22569

WP-125<sup>th</sup>

GLASGOW REPORT No. 58509

Gls 58509 (Dec 95810)

Boiler Plan

BRAGANZA  
R

W234-0029



© 2019

Lloyd's Register  
Foundation