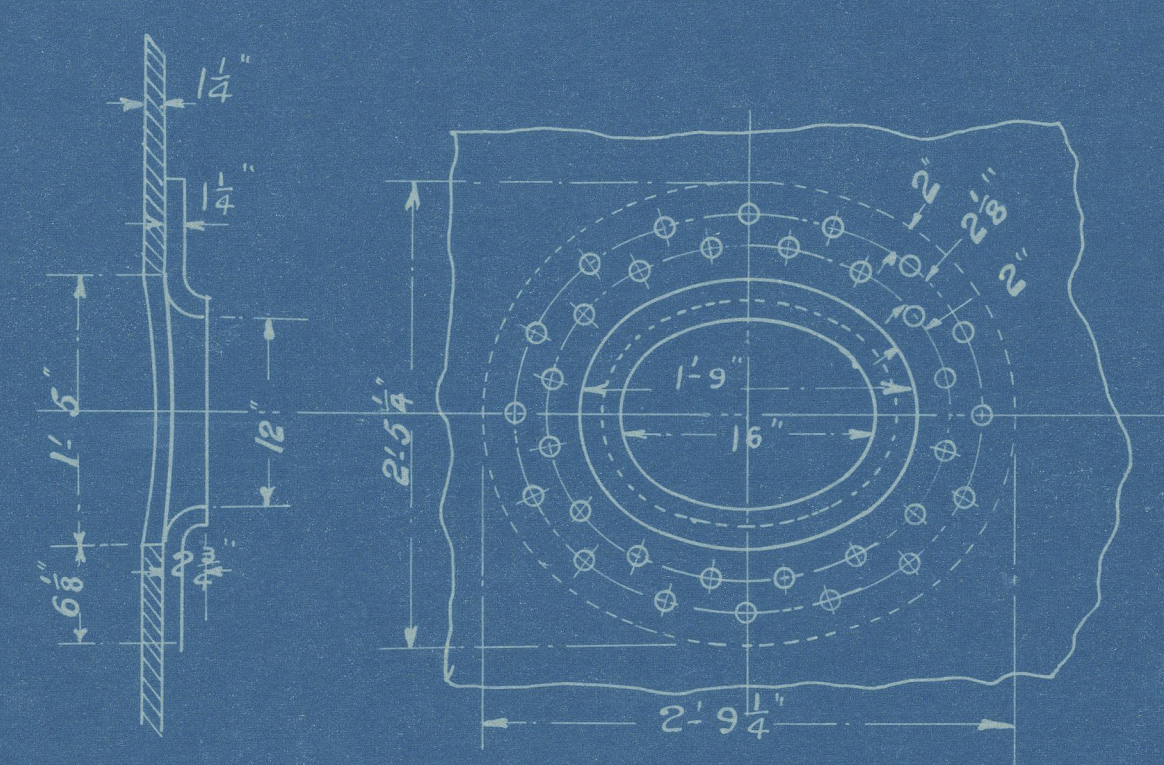
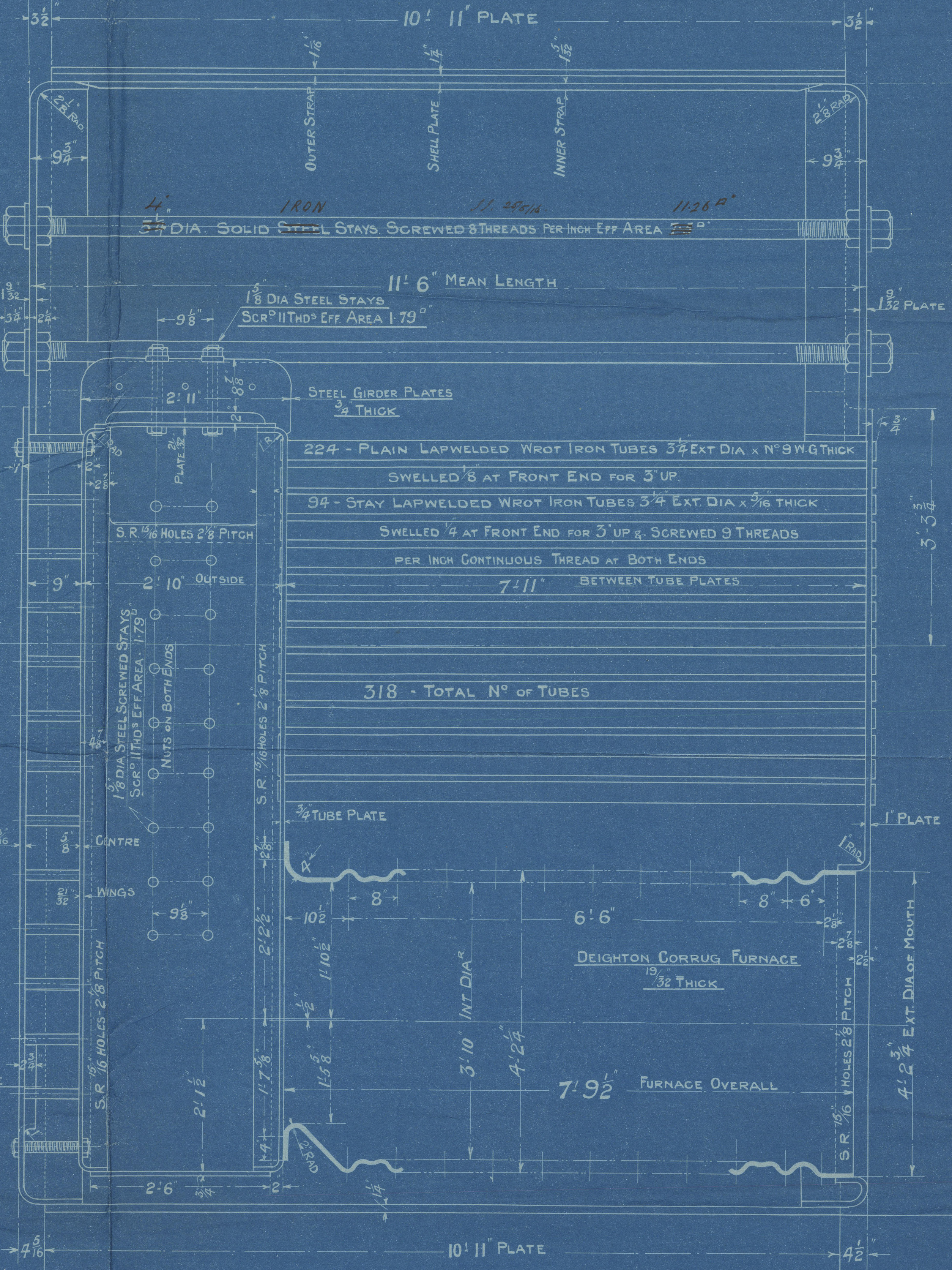
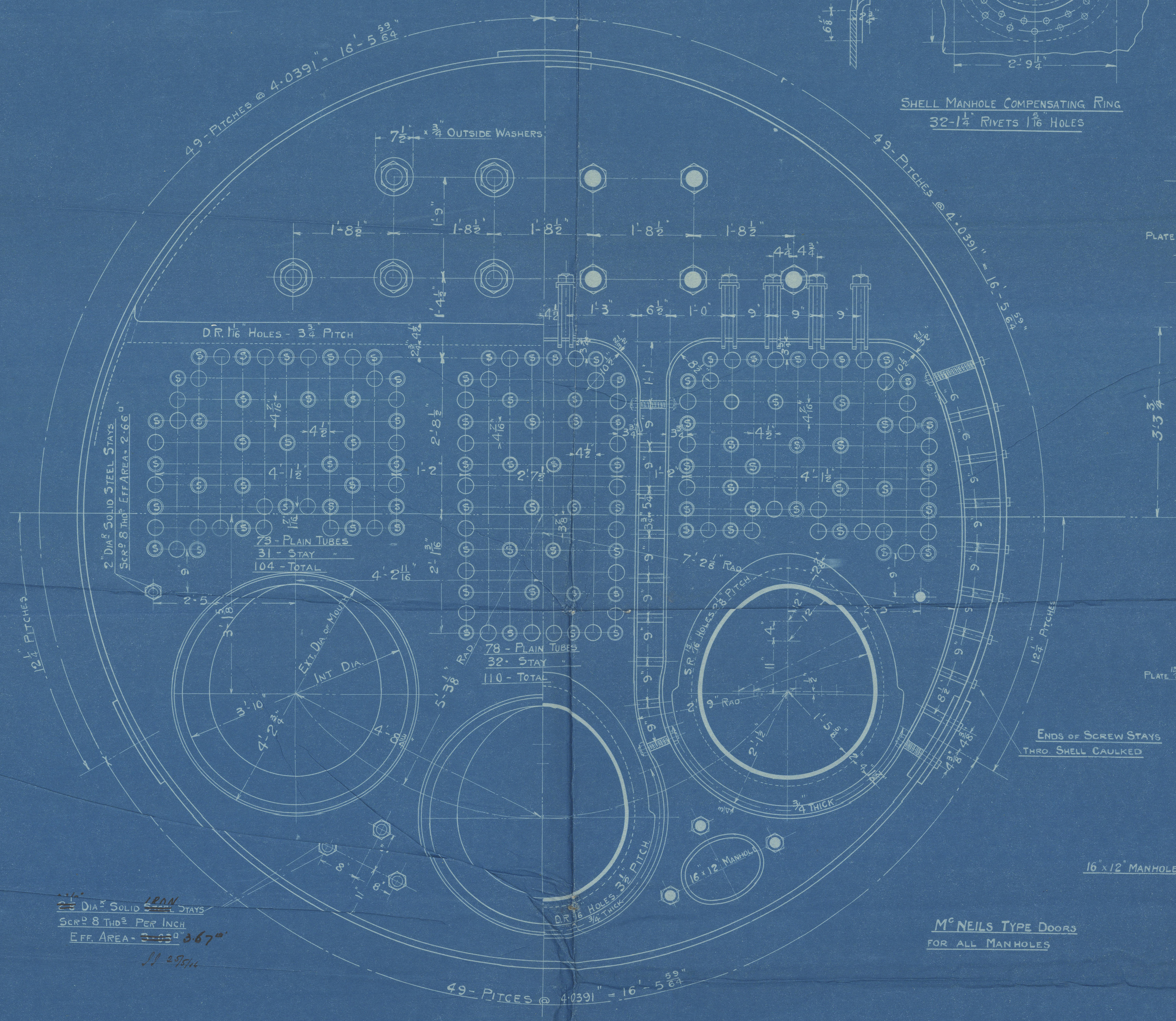


8/2/16



SHELL MANHOLE COMPENSATING RING
32-1 1/2" RIVETS 1 1/8" HOLES

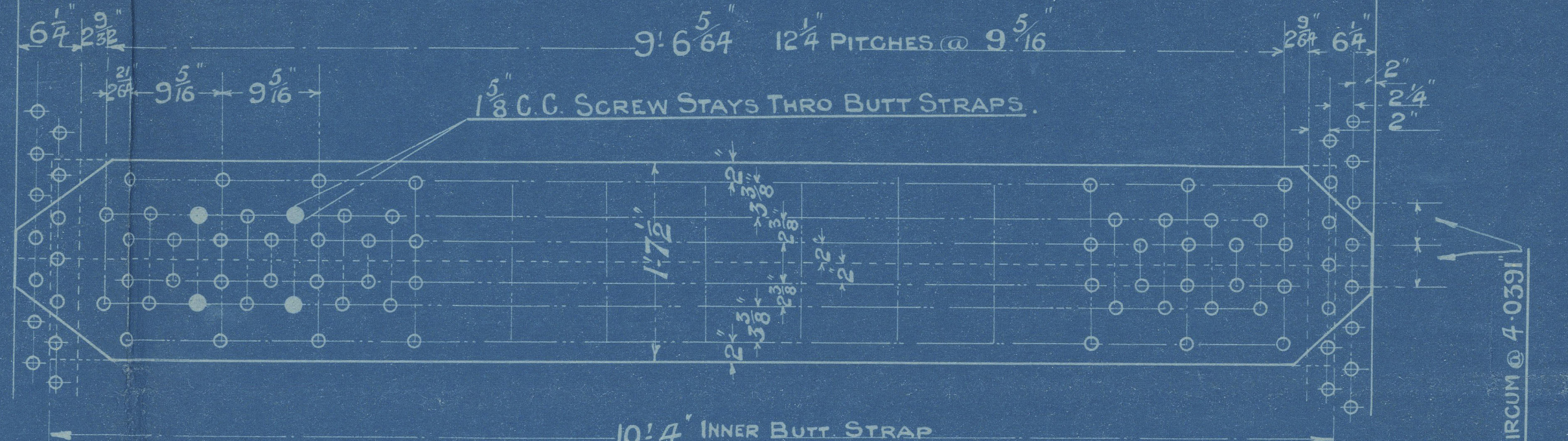


ALL PLATES, STAYS AND RIVETS OF SIEMENS MARTIN STEEL TUBES - WROUGHT IRON
LONG SEAMS TREBLE RIVETED WITH DOUBLE BUTT STRAPS
CIRCUMF. SEAMS DOUBLE RIVETED LAP JOINT
WORKING PRESSURE = 180 LBS. Q.
TEST = 360 LBS. Q.
ALL HOLES DRILLED IN PLACE THEN PLATES TAKEN APART & BURRS REMOVED
HYDRAULIC RIVETING WHERE PRACTICABLE

THICKNESSES	
SHELL PLATES	1 1/2"
INNER BUTT STRAPS	1 3/8"
OUTER	1 1/8"
TOP ENDS	1 3/8"
BACK BOTTOM	1 3/8"
FRONT TUBE PLATE	1 1/8"
BACK	1 1/8"
C.C. BACKS - CENTRE	1 3/8"
" WINGS	1 3/8"
C.C. TOP & SIDES	1 3/8"
C.C. BOTTOM	1 3/8"
C.C. GIRDERS	1 3/8"
FURNACES	1 3/8"
MANHOLE COMP. RING	1 1/4"

TENSILE STRENGTHS	
SHELL PLATES - 28-32 TONS	
BUTT STRAPS	
GIRDER PLATES	
SOLID STEEL STAYS	
MANHOLE COMP. RING	
ALL OTHER PLATES - 26-30 TONS	
FURNACES	
SCREWED STAYS	
RIVET BARS	

HEATING & GRATE SURFACE	
HEATING SURFACE IN 318 TUBES = 2142.2	
" IN C. CHAMBERS = 290	
FURNACES = 172	
TOTAL H.S. IN ONE BOILER = 2604.2	
TOTAL H.S. IN 2 BOILERS = 5208.4	
FIREBARS 5'-6" LONG - IN 2 LENGTHS	
GRATE SURFACE - ONE BOILER = 654	
" - 2 BOILERS = 1268	
RATIO G.S. H.S. = 1 : 41.16	
NATURAL DRAUGHT	
2-3" DIA. SAFETY VALVES EACH BOILER	



LONGITUDINAL SEAM - 1 1/2" RIVETS, 1 1/8" HOLES 9 5/16" PITCH
CIRCUMF. SEAM - 1 1/4" RIVETS, 1 1/8" HOLES 4.0391"
SHELL PLATES - 1 1/2" THICK INNER BUTT STRAP 1 3/8" THICK OUTER 1 1/8" THICK
PLATE 86.91% LONG SEAM RIVET = 86.44%
WORKING PRESSURE BY RULES 180 LBS. Q.

BOILERS.
ENG N° 467.
2 - OFF
15' 9" MEAN DIA x 11' 6" MEAN LENGTH.
TO PASS LLOYDS REQUIREMENTS FOR 180 LBS. Q. WORKING PRESSURE.
SCALE 1" = 1' 0"
FEB 3RD 1916.

Kincaid's No 467

The main British

1800 to 1800.

of "Beechpark."

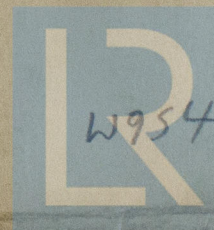
Greenock Strangeways & Co

11 No 375

Gr. Rpt. No. 17123.



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