

9177  
DRAWN BY J.M.E. 12.10.05  
17.11.05  
16.1.05

28.1.05

#### HEATING SURFACE

728 TUBES X  $2\frac{1}{2}$ " EXT DIA X 7'-8" LONG = 3652.  
6 FURNACES  $43\frac{1}{2}$ " MEAN " X " = 285.  
TOP & SIDES OF FIREBOXES = 186.  
BACK TUBE PLATES = 83.  
FRONT " = 64.  
TOTAL H.S. IN ONE BOILER = 4270.  
" " " TWO " S = 8540.

#### GRATE SURFACE

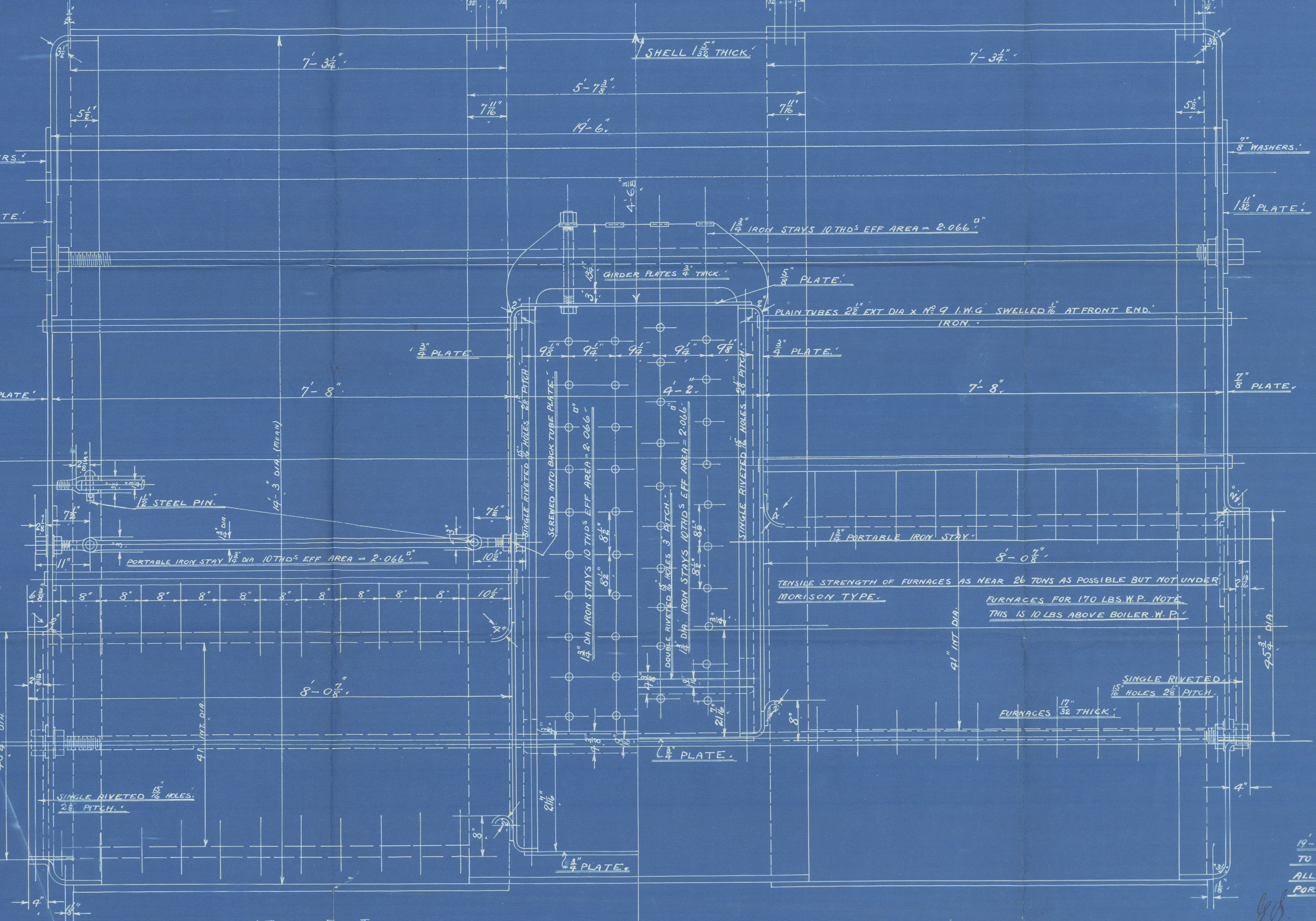
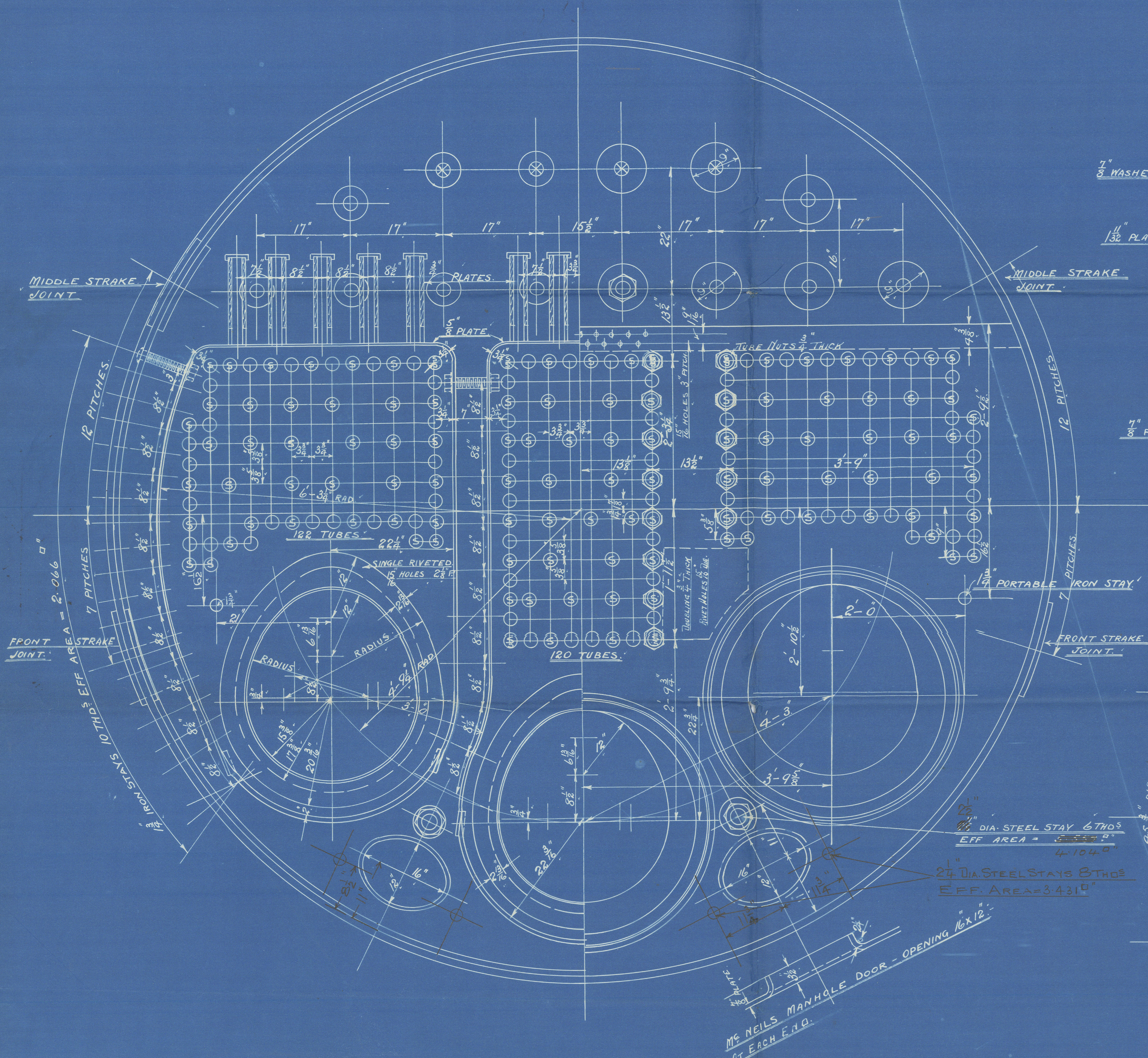
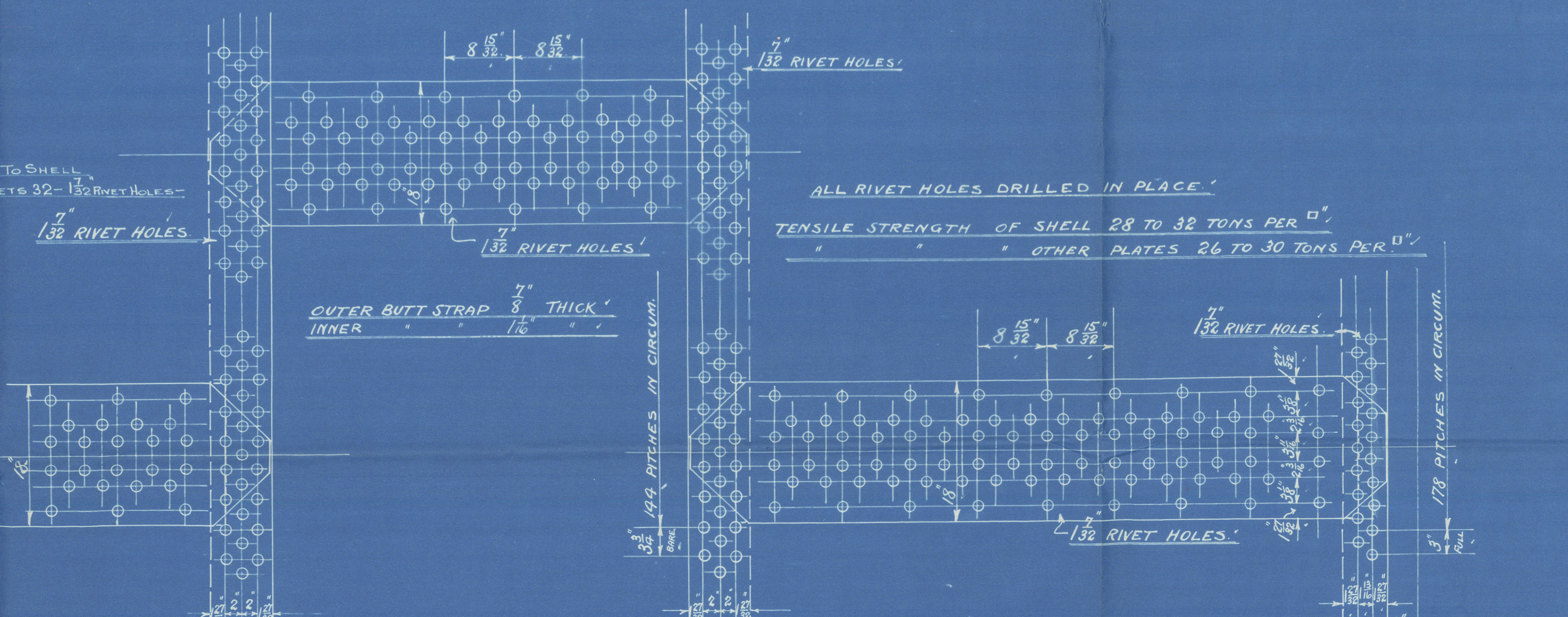
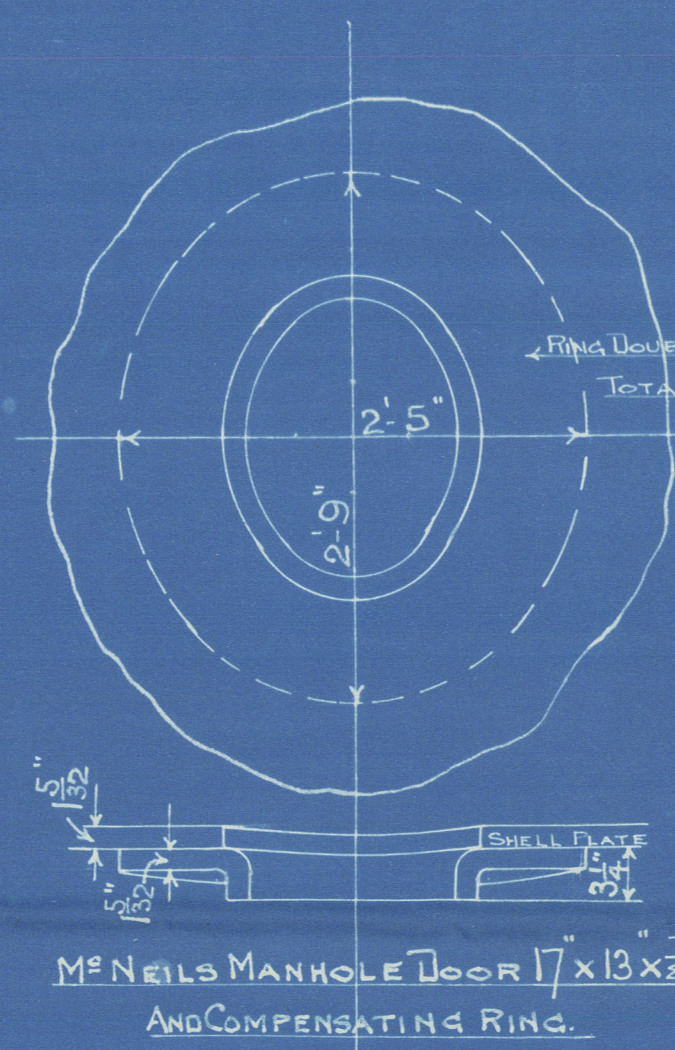
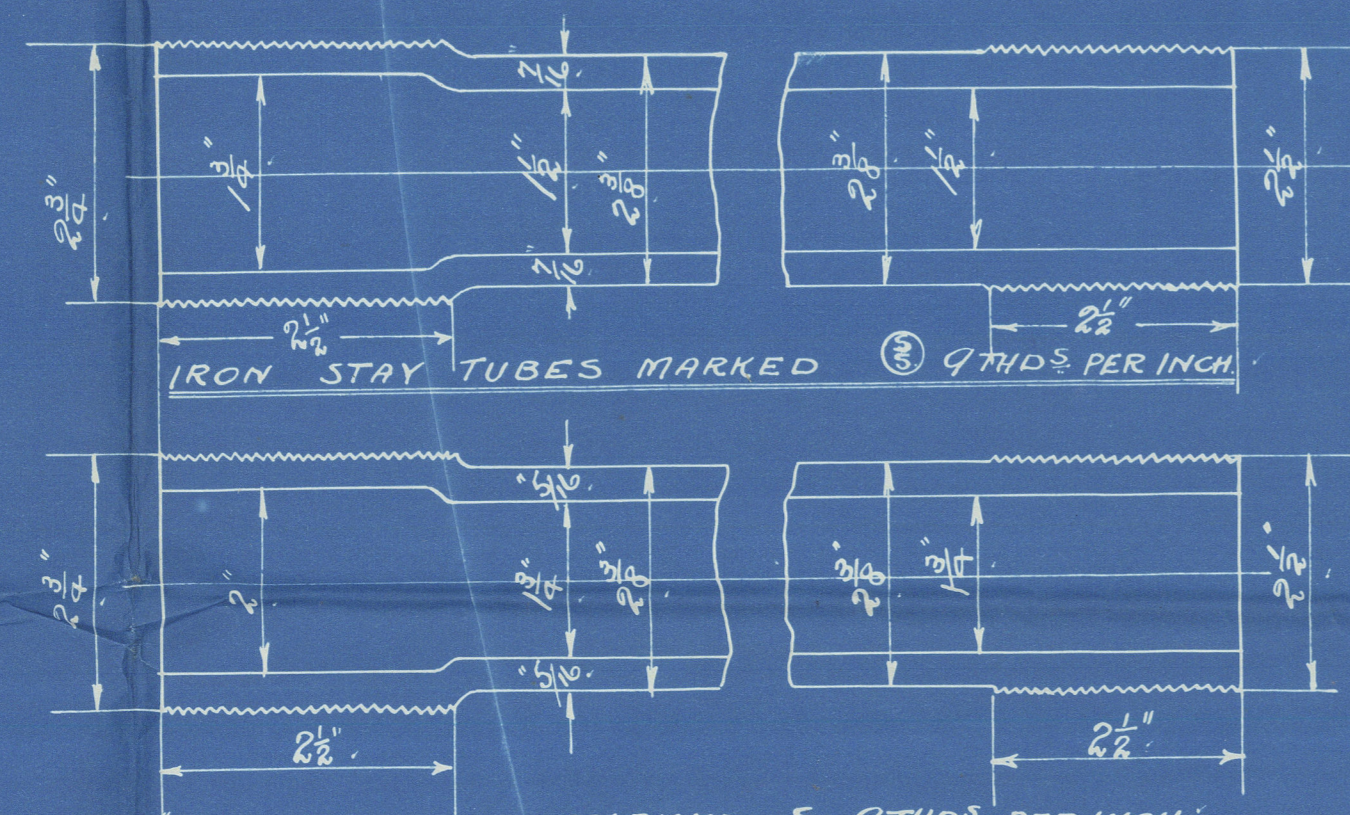
6 FURNACES 41" INT. DIA X 5'-3" BAR = 107.  
TOTAL IN TWO BOILERS = 214.

WEIGHT OF WATER (FRESH) IN ONE BOILER FROM 9" ABOVE THE FIREBOX TOP = 39 $\frac{1}{2}$  TONS.  
STEAM SPACE IN ONE BOILER FROM 9" ABOVE FIREBOX TOP = 640.  
DRAUGHT AREA THROUGH THE TUBES = 17 $\frac{1}{2}$ .

H.S.  
G.S. = 39.9.  
T.S. = 34.1

#### STEAM SPACE STAYS

STAYS MARKED  $\otimes$  3" DIA. 6 THOS EFF AREA = 6.096.  
IRON STAY TUBES MARKED S 9 THOS PER INCH.  
"  $\circ$  2 $\frac{1}{2}$ " " " " = 5.557.



2 OFF - **No 225.**  
**STEEL MAIN BOILERS.**

19'-6" LONG X 14'-3" MEAN DIA. X 160 LBS PER  $\square$  W.P.  
TO PASS BOARD OF TRADE AND LLOYD'S SURVEYS.  
ALL MATERIAL STEEL EXCEPT TUBES - C.C. STAYS AND  
PORTABLE STAYS WHICH ARE IRON.

SCALE 1" = 1 FOOT

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Belfast  
Workman Clark & Coys  
Turbine Steamer  
N<sup>o</sup> 225

Main Boilers  
Y.S.S. "Infexa"

Bel 6001



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