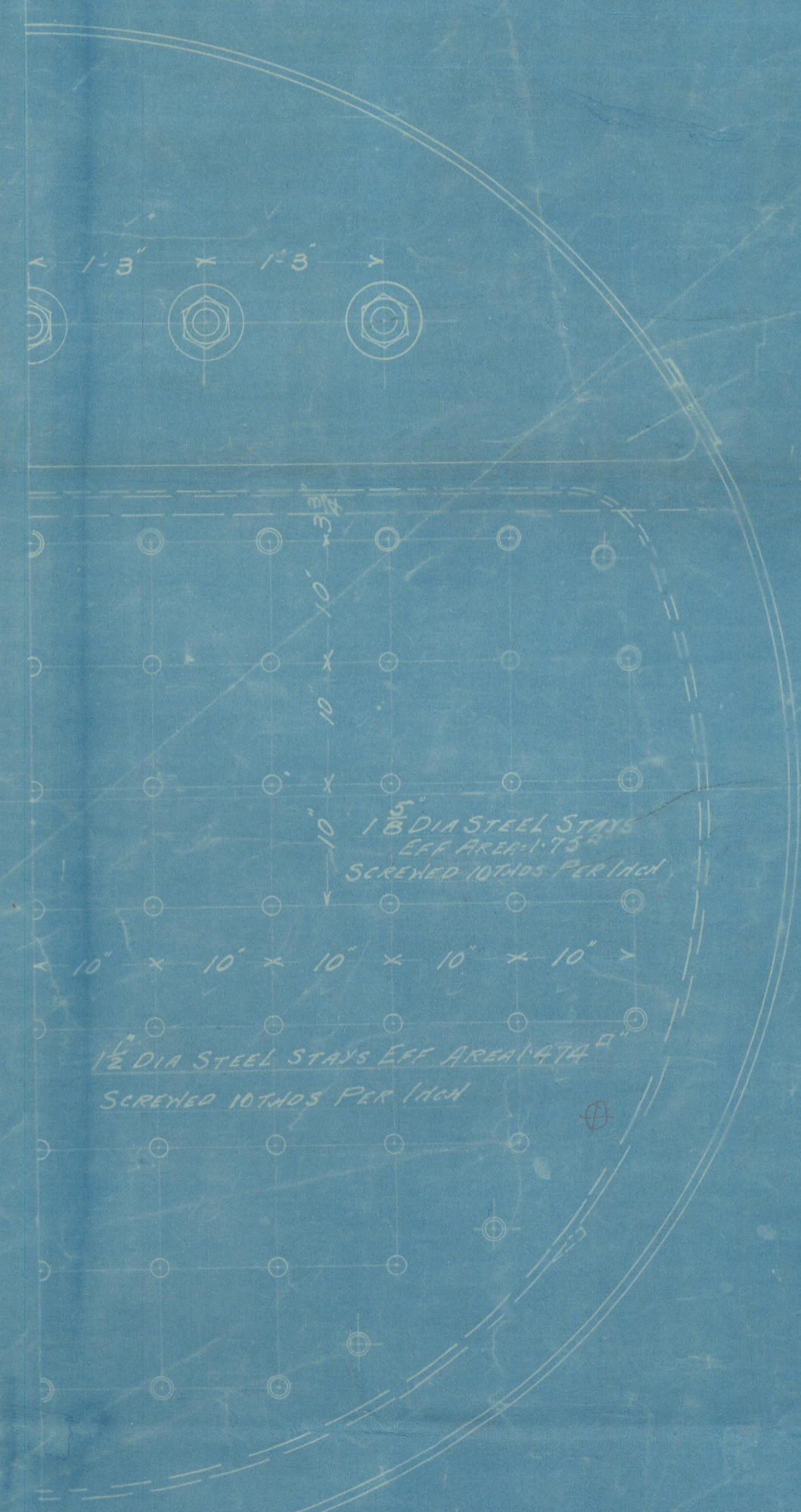
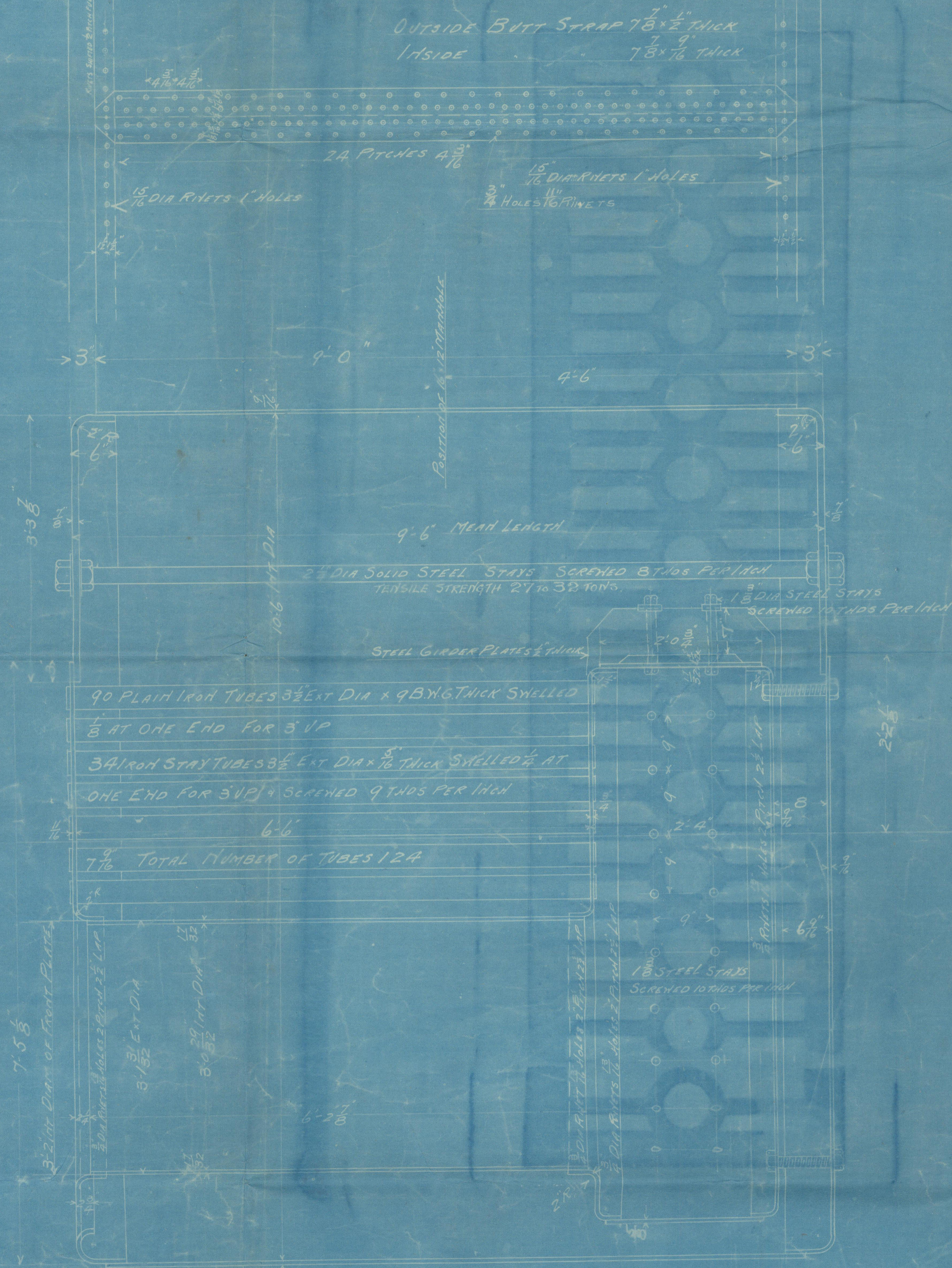


17/12/07

TENSILE STRENGTH OF SHELL PLATE 28 TO 30 TONS
OTHER PLATES 26 TO 30
STEEL RIVETS 26 TO 30
SOLID STEEL STAYS 27 TO 32
SCREENED STEEL STAYS 26 TO 30
PLATE STRENGTH 80% OF SOLID PLATE
RIVET 85%
LONG SEAMS DOUBLE BUTT STRAPS DOUBLE RIVETED
CIRCULAR JOINTS SINGLE RIVETED
ALL HOLES DRILLED IN PLACE

GRATE HEATING SURFACE	738.50
HEATING SURFACE OF TUBES	28.8
TUBE PLATES	21.3
BACK C.G. PLATES	86.6
C.G. WRAPPER PLATES	58.0
FACE PLATES	904.0
TOTAL HEATING SURFACE IN ONE BOILER	904.0
GRATE SURFACE	30.5
RATIO OF GRATE TO HEATING SURFACE	248.1
LENGTH OF FIREBAR	5.0



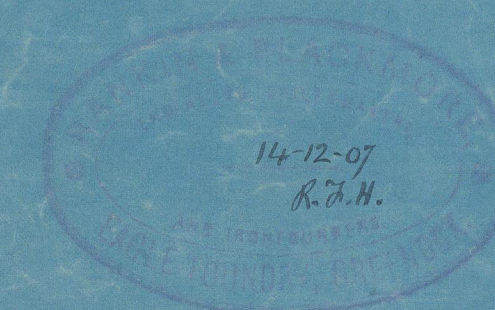
WITCH BOILER 10'6" I.D. DIA x 9'6" LONG 17° 269-271

TO PASS LLOYDS SURVEY

WORKING PRESSURE = 100 LBS PER SQ IN

SCALE 1" = 1 FOOT

TENSILE STRENGTH OF SHELL PLATE 28 TO 30 TONS



JPR 17.12.07

17.12.07

Mult^l Steel Donkey Balin
N^o 241.

by

Rankin & Bellmore

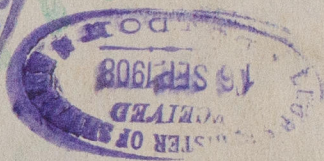
for.

Russell 16 78 N^o 548 58.

100 H^{ts} Working press.

J. P. Barnockburn

Spk rpt. N^o 15461



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