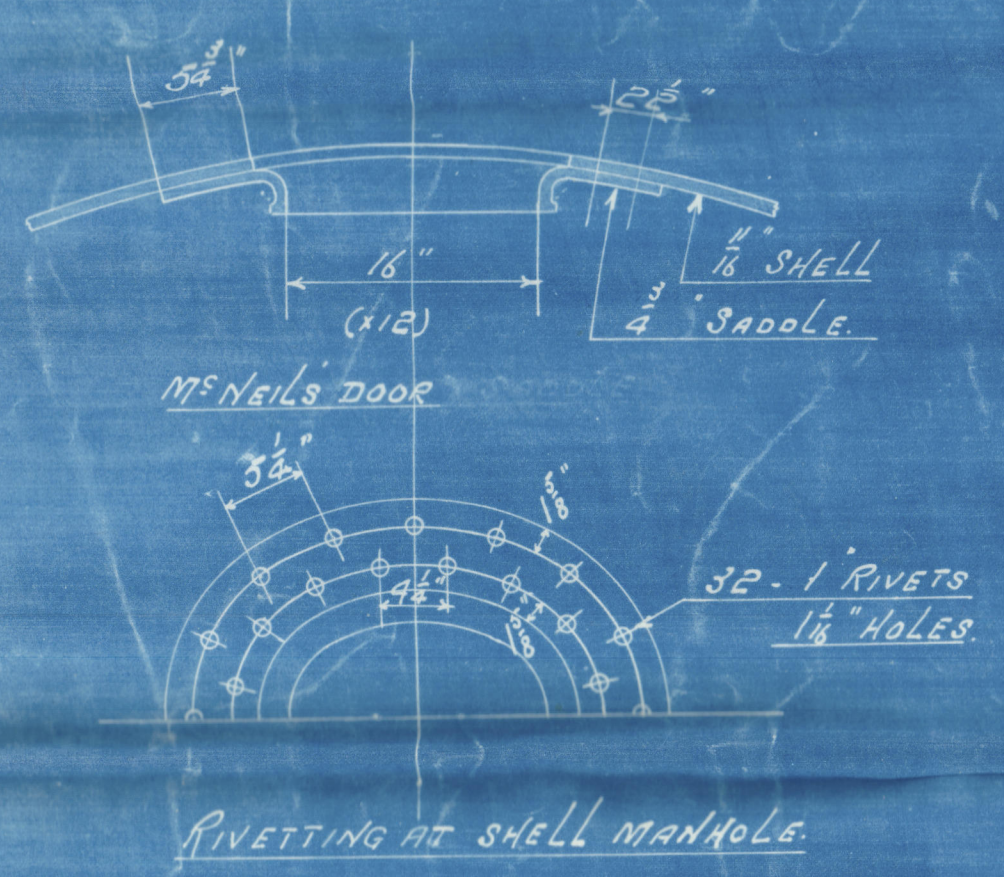
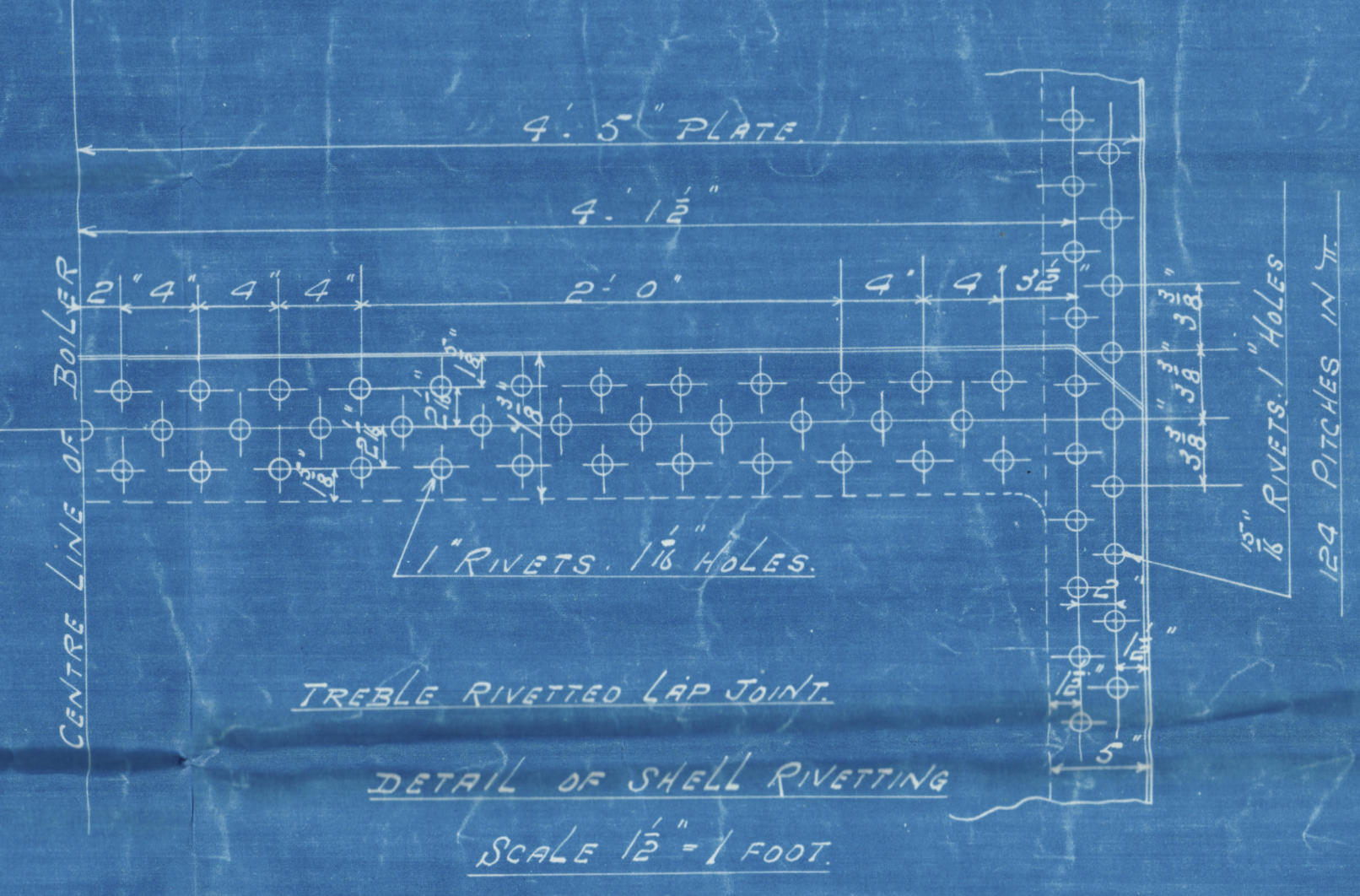


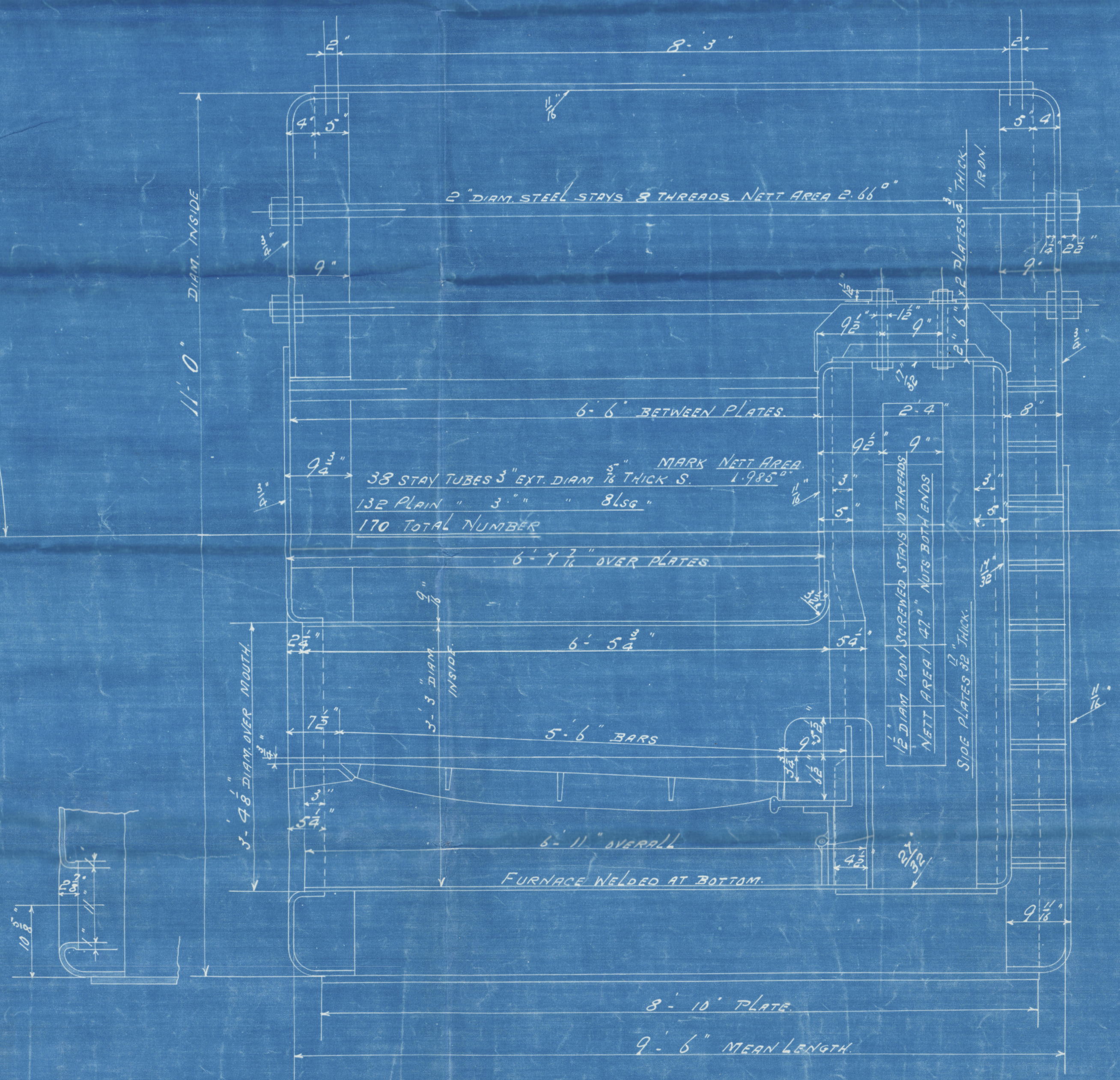
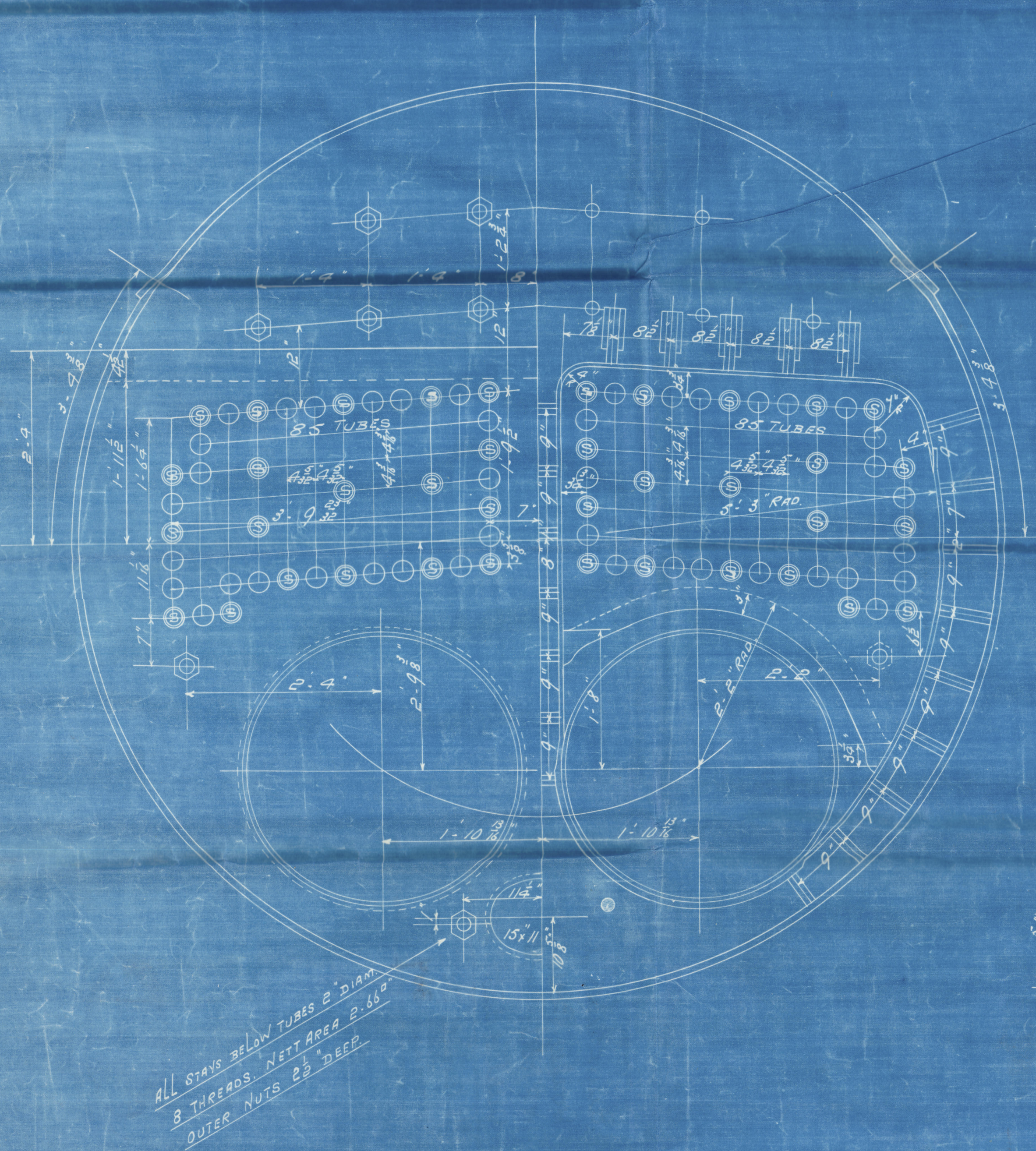
17/8/14



PARTICULARS	
HEATING SURFACE IN 170 TUBES	868 f
" " 2 COMB. CHS.	136 "
" " 2 FURNACES	75 "
" " TOTAL	1079 "
GRATE AREA (5 1/2" BARS)	35 1/2 "
AREA THROUGH TUBES	6.35 "
RATIO HEATING SURFACE GRATE AREA	30.2
" GRATE AREA AREA THRO' TUBES	5.63
STEAM SPACE (CUB. FEET)	120.



RIVETTING PER
LONGITUDINAL SEAMS. B.O.T. LLOYDS.
SHELL 1/2" RIVETS 1" HOLES 1 1/2" PITCH 4" PLATE 13.4% RIVETS 14.4% 82%
SHELL PLATES TO HAVE A TENSILE STRENGTH OF 28 TO 32 TONS PER SQ. IN.
CIRCUMFERENTIAL SEAMS. B.O.T. LLOYDS.
RIVETS 5/8" HOLES 1" PITCH 3 1/2" PLATE 10.3% RIVETS 11.5% 81.5%
ALL HOLES DRILLED IN PLACE. BOILER STEEL, TUBES, GIRDERS AND
SCREWED STAYS IN COMB. CHS. OF IRON
UNDER BOARD OF TRADE AND LLOYDS SURVEY FOR A WORKING
PRESSURE OF 100 LBS. PER SQ. IN.
BOARD OF TRADE SPECIAL CERTIFICATE.



17/8/14
Duplicate of item 91.446/7
approved 17/8/14
MARGINAL STAYS IN COMB. CHS. BACKS.
MARKED 1/2" DIAMETER 8 THREADS. NETT AREA 1.98"
" 1 1/2" " 8 " " 1.69"
ALL TO HAVE NUTS BOTH ENDS.

ONE DONKEY BOILER FOR Nº 446

SCALE 1" = 1 FOOT.

REPEAT FOR Nº 447
REPEAT FOR Nº 452
REPEAT FOR Nº 453
10/8/14

446-7 452-3



Dunsmuir & Jackson
Doukey Bolton No 452/3
no 100th 15/8/14
Dupl of time No 446/7

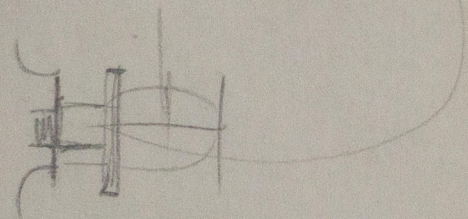
S/S Russell 680
S/S Council 364



W. Dara
GLASGOW REPORT No. 35459



W553-0172



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