

HEATING SURFACE	
TUBES	1279
FURNACES	105
COMBUSTION CHAMBERS	136
BACK TUBE PLATE	32.5
FRONT	24.5
TOTAL	1577
NATURAL DRAUGHT	

WORKING PRESSURE 180 LBS PER SQ IN
TEST 360 " " " "

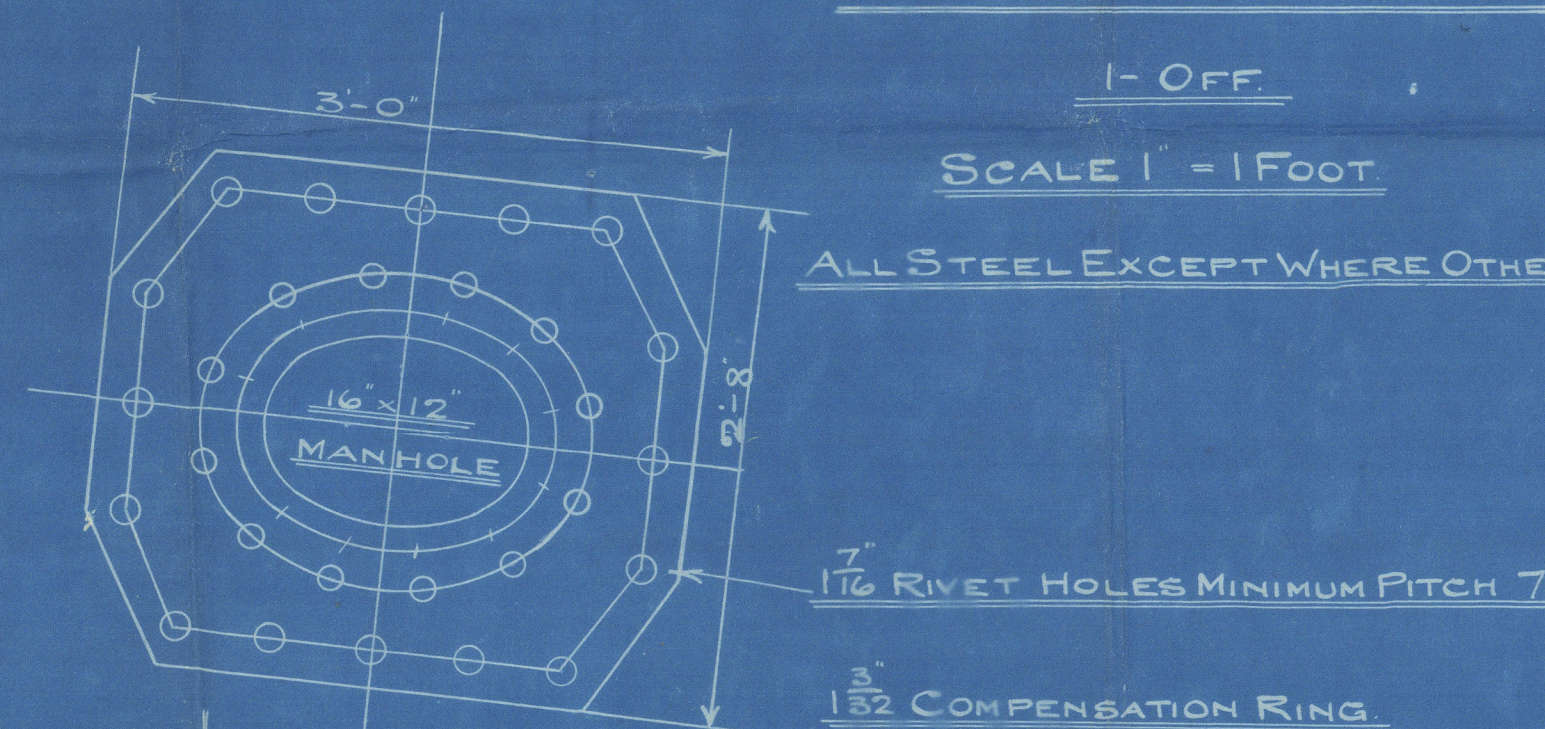
*fitted with large fan
but air not heated.*

AUX. BOILER

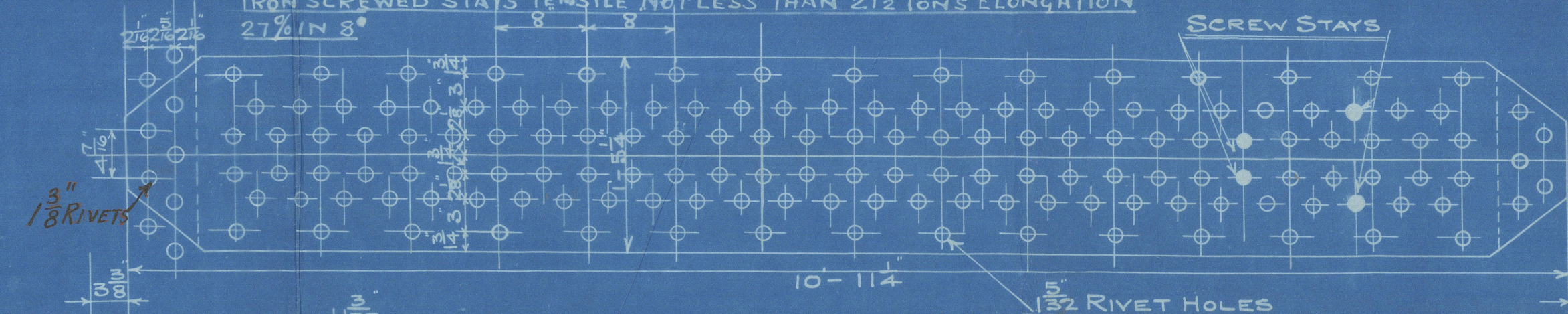
1- OFF

SCALE 1" = 1 FOOT

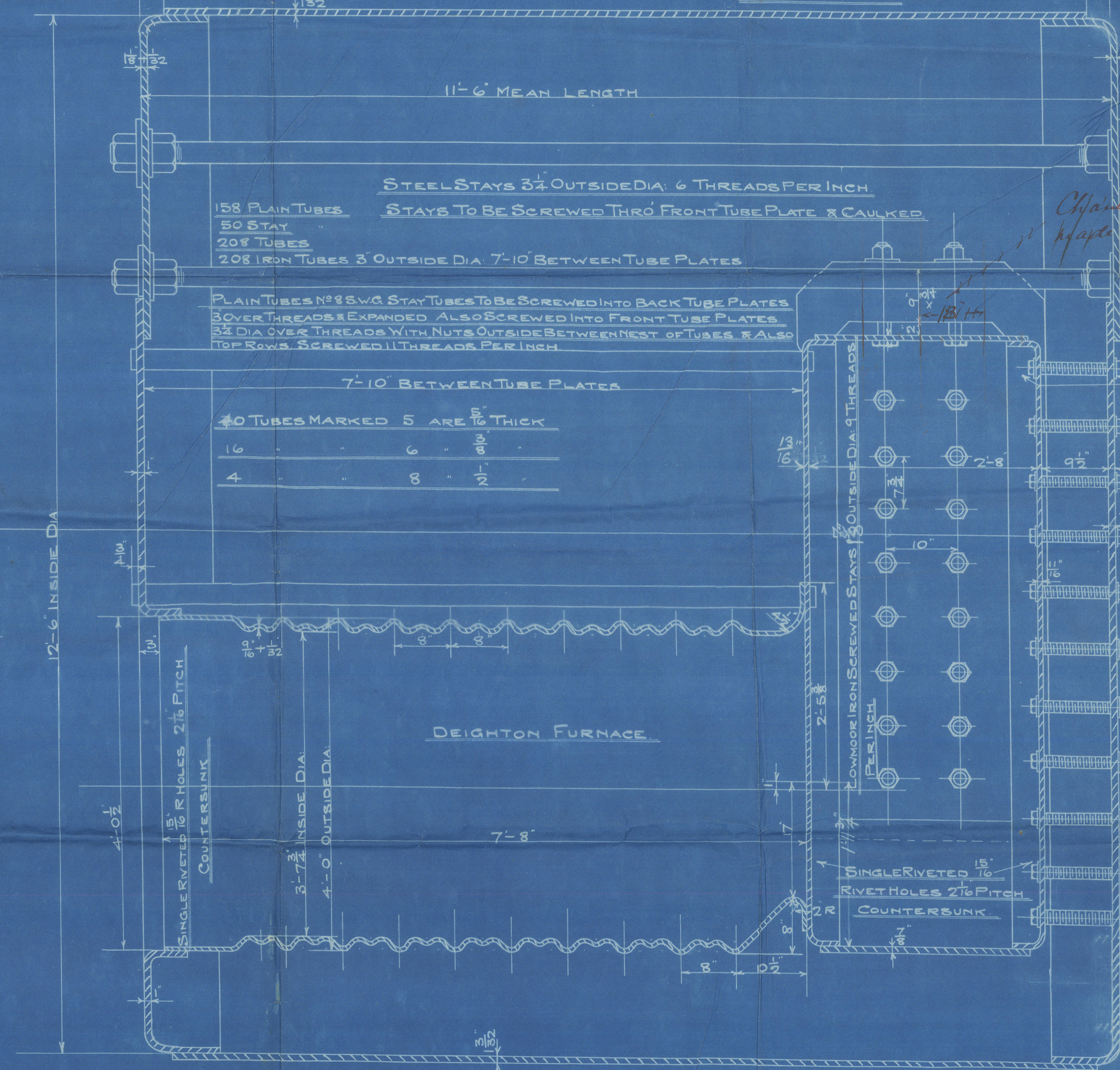
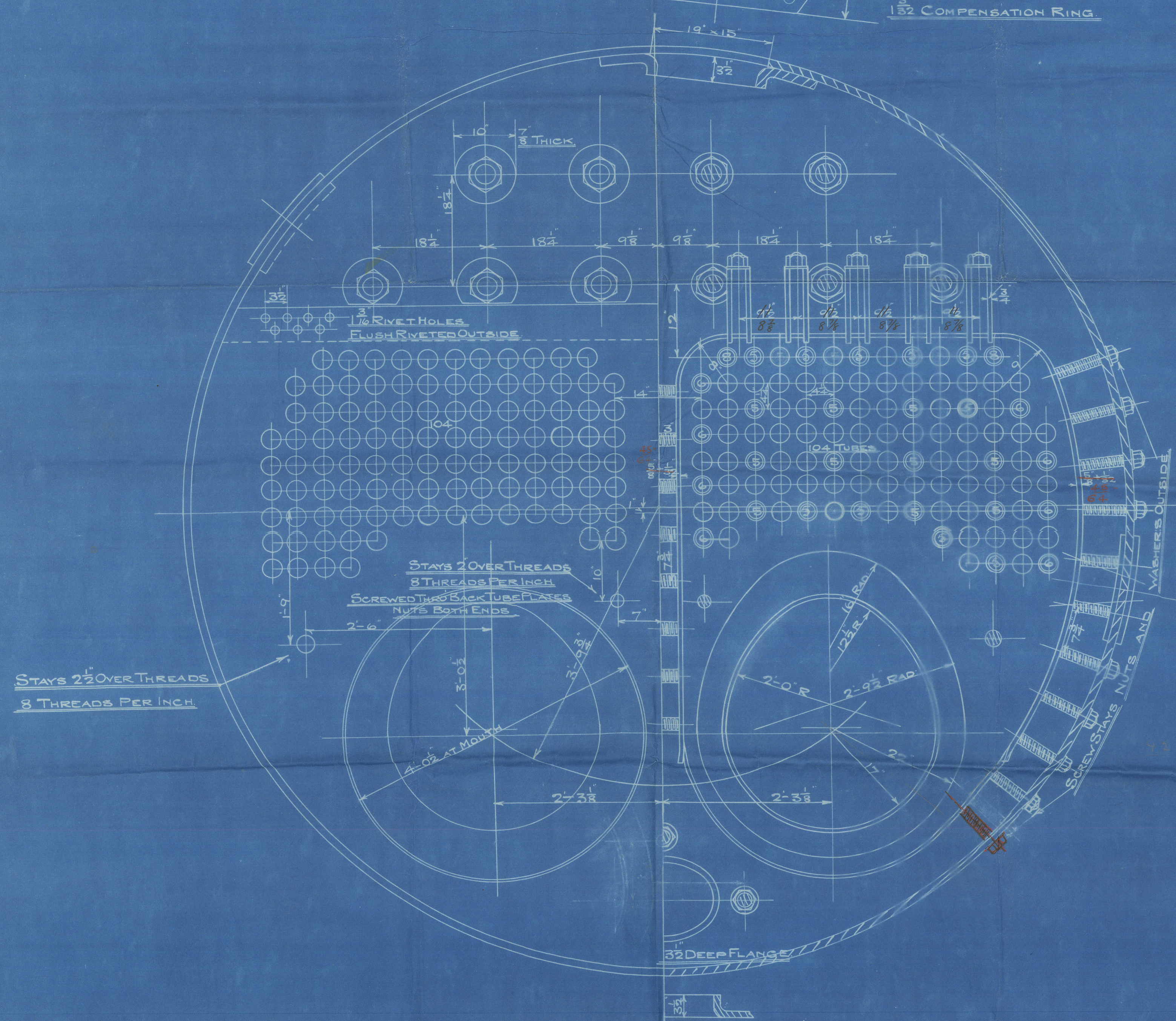
ALL STEEL EXCEPT WHERE OTHERWISE STATED



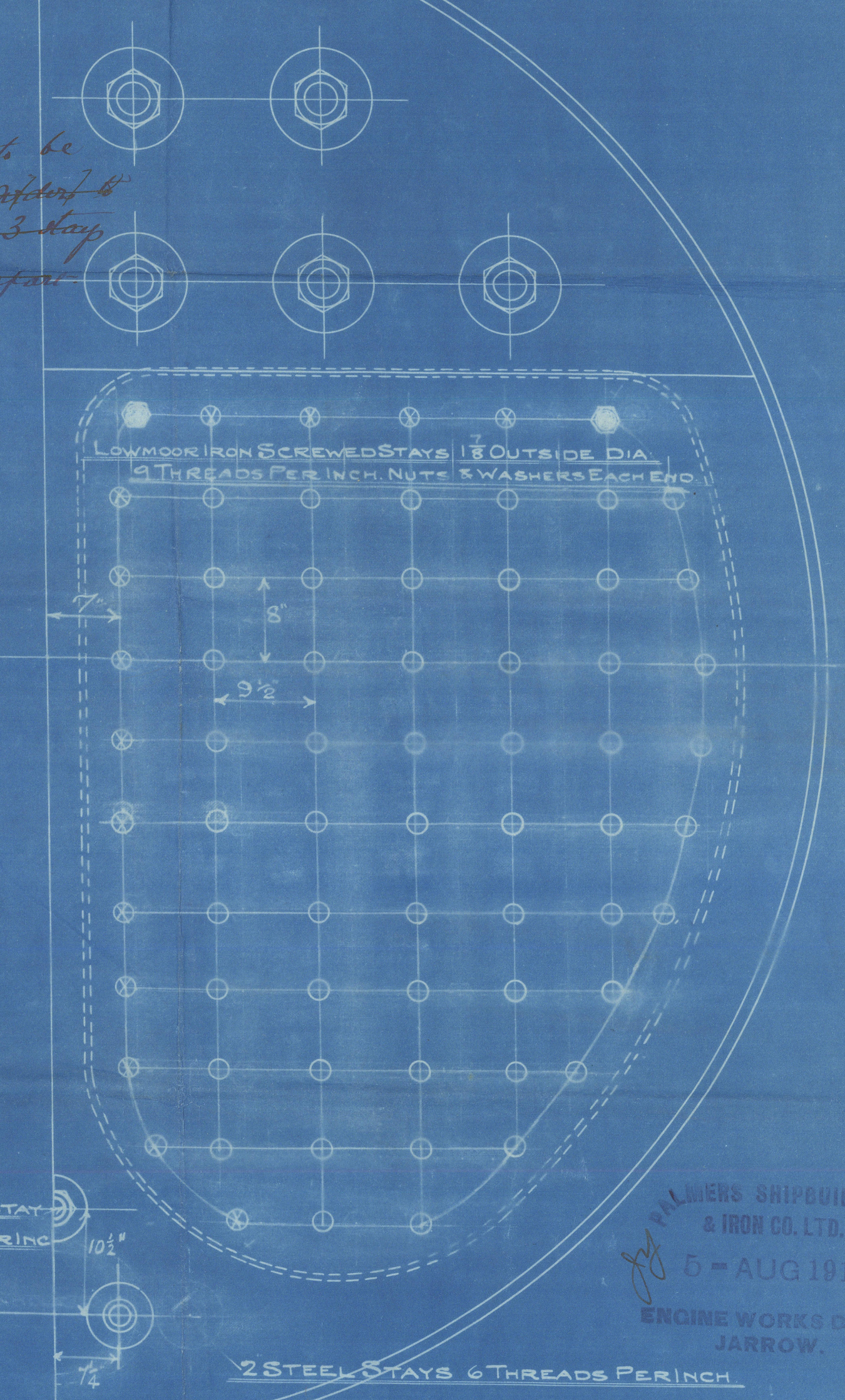
SHELL RIVETING
DOUBLE BUTT STRAP JOINTS
SHELL PLATES 3/8 THICK BUTT STRAP 7/8 THICK
RIVET HOLES 1/2 INCH GREATEST PITCH 8
1/2 STRENGTH OF PLATE AT JOINT 85.5
RIVETS 87.5
TENSILE STRENGTH OF SHELL PLATE 24 1/2 TONS
" GIRDER 28 TO 32
" COMB. CHAMBERS 26 TO 30
IRON SCREWED STAYS TENSILE NOT LESS THAN 2 1/2 TONS ELONGATION
27% IN 8"



LOW MOOR IRON COMBUSTION CHAMBER SCREWED STAYS 9 THREADS PER INCH
STAYS MARKED ● ARE 2 3/8 OUTSIDE DIA.
○ 2
○ 7
○ 13



*Chamber top plate to be
1/2 inch thick & fitted to
be fitted with 3 stays
pitched 8" apart*



ENG NO 84-5.

Palmer's Shipbuilding & Iron Co. Ltd.
5-AUG-1914
ENGINE WORKS DEPT.
JARROW.
No 14
F45 2020
No 23448
Lloyd's Register

Palmer 845

1 Auxiliary Boiler 180 lbs

S. S. Dunbar

S.S. DUNBAR

NEWCASTLE ON TYNE.

Report No. 69649



RETAIL



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W492-0286



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