

PALLION ENGINE WORKS MAIN BOILER 1 OFF THIS

7/19/10

TRACING NO 5339

Memoranda- Working Pressure 180 lbs.
Test " 360
All rivet holes in shell to be drilled after bending
Heating Surface

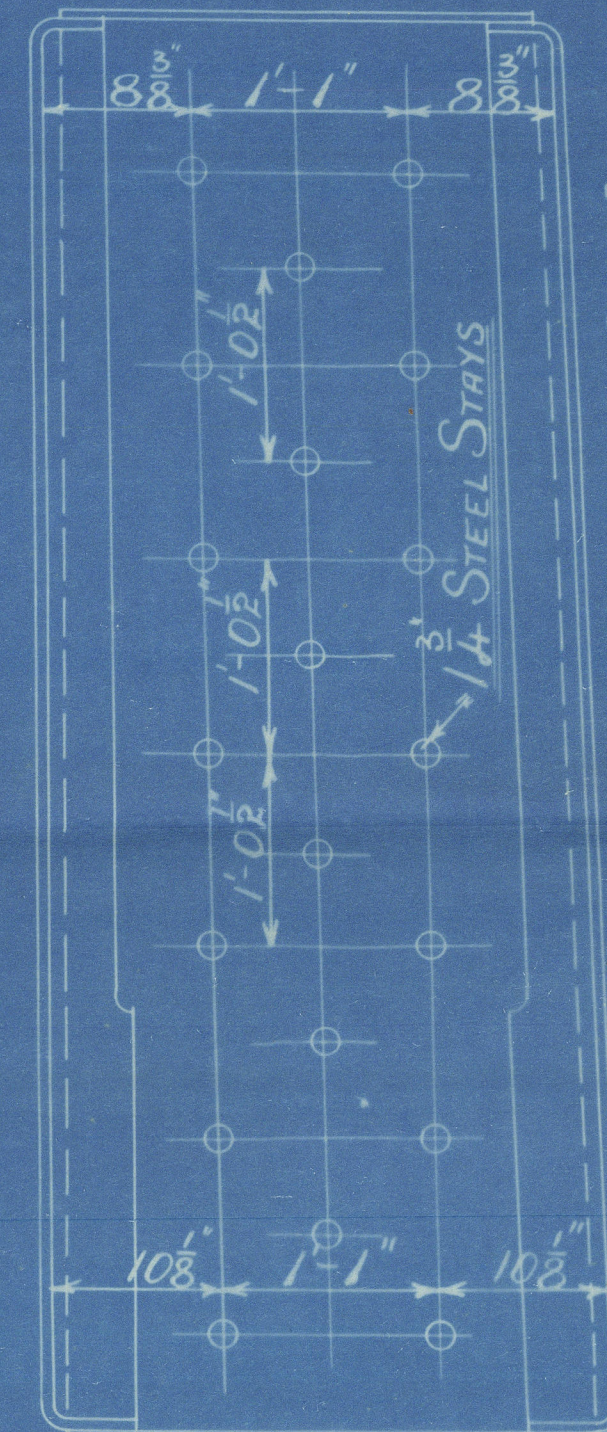
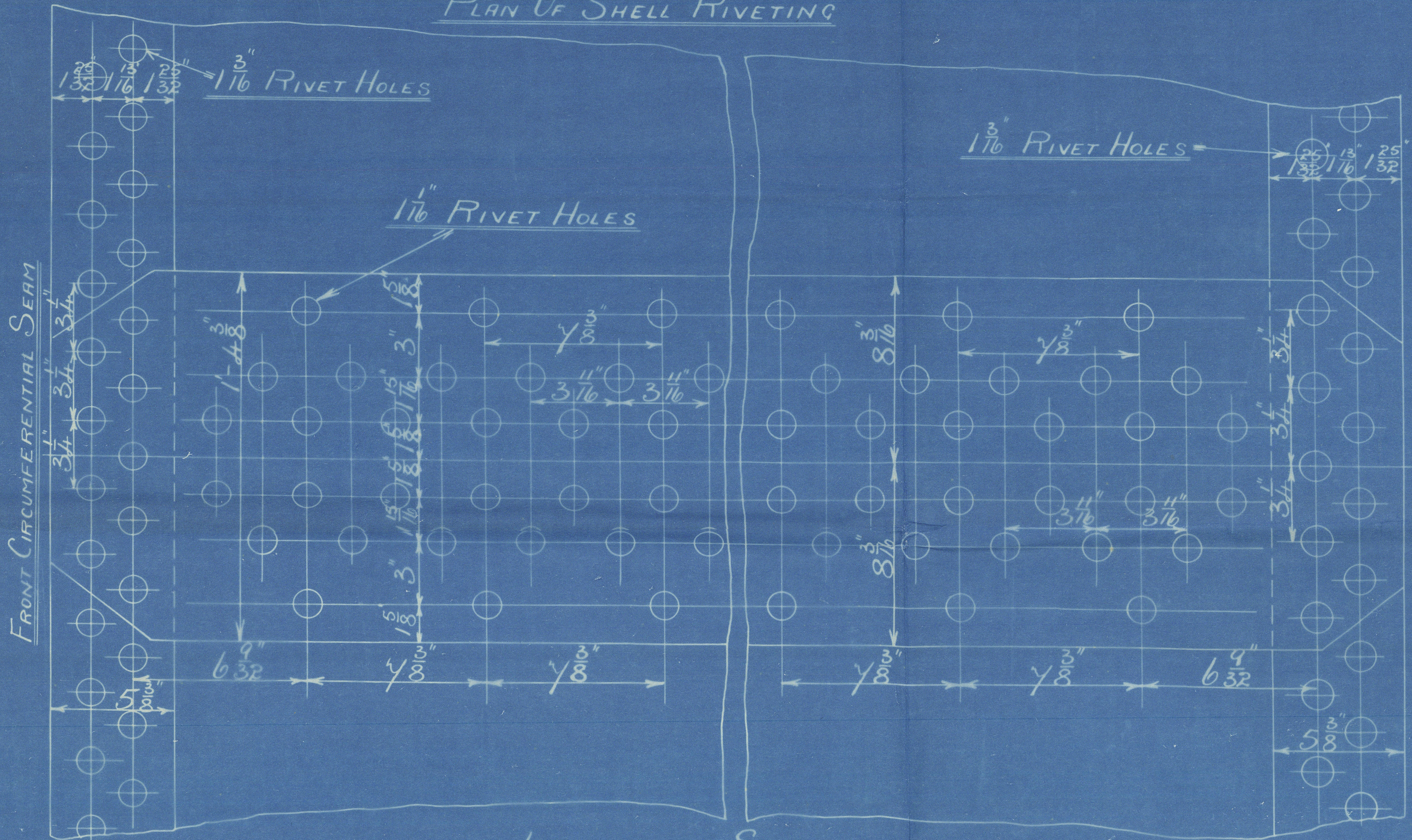
Tubes 1285 sq ft
Furnaces 94.5
Combustion Chambers 160.4
Tube Plates 43

Grate Surface (with bars) 1583.2 sq ft
Steam Capacity cu ft

Tensile Strength of Material
Steel for Shell Plates not less than 28 tons/sq
" " Comb. Cham. & Tube Plates " 26
" " End plates & screwed stays " 26 1/2
" " Longitudinal stays " 28

Seams on front and back of boiler to be double rivetted, 1" Rivets, 3/8" Pitch, 1/4" Lap

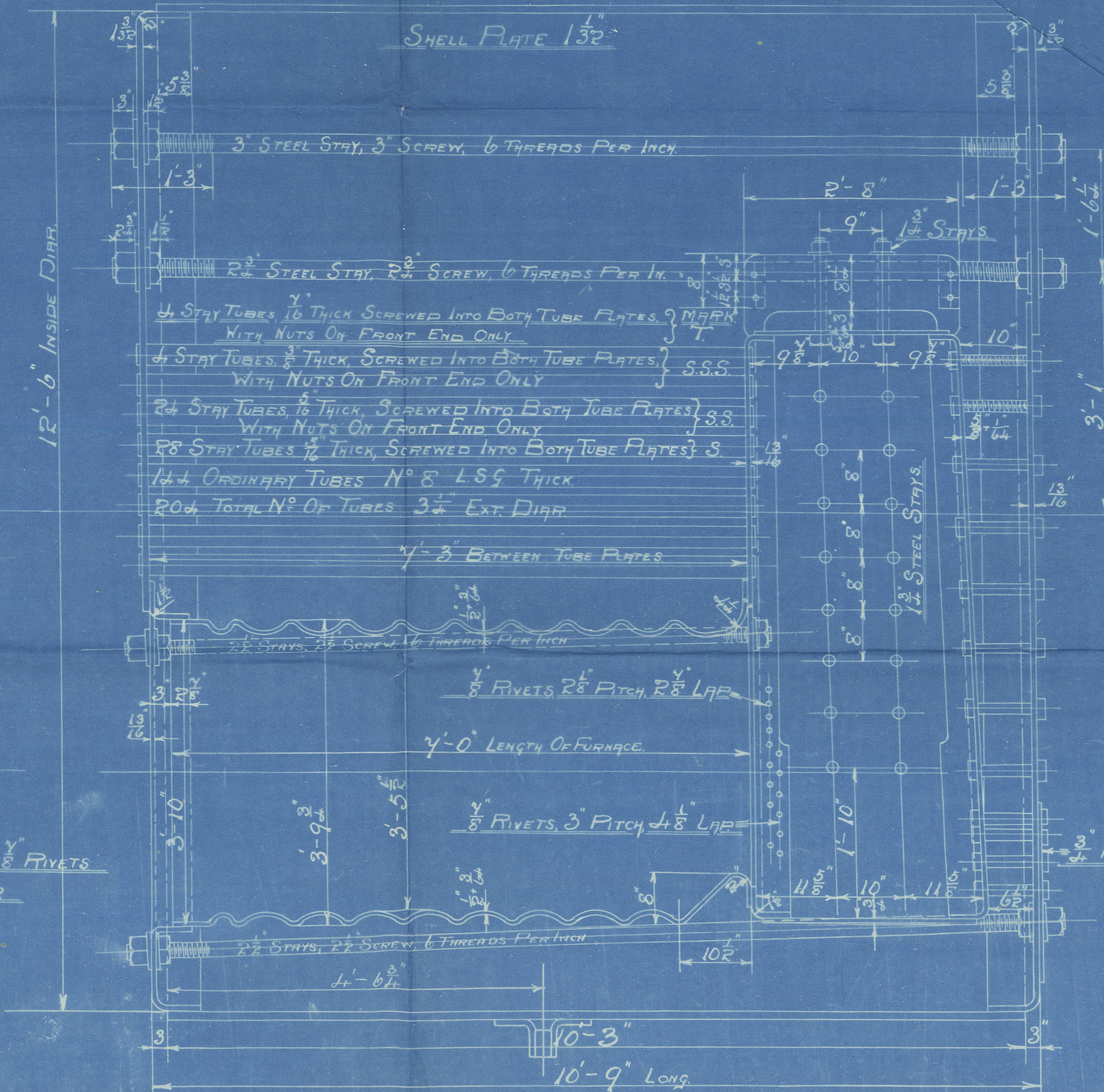
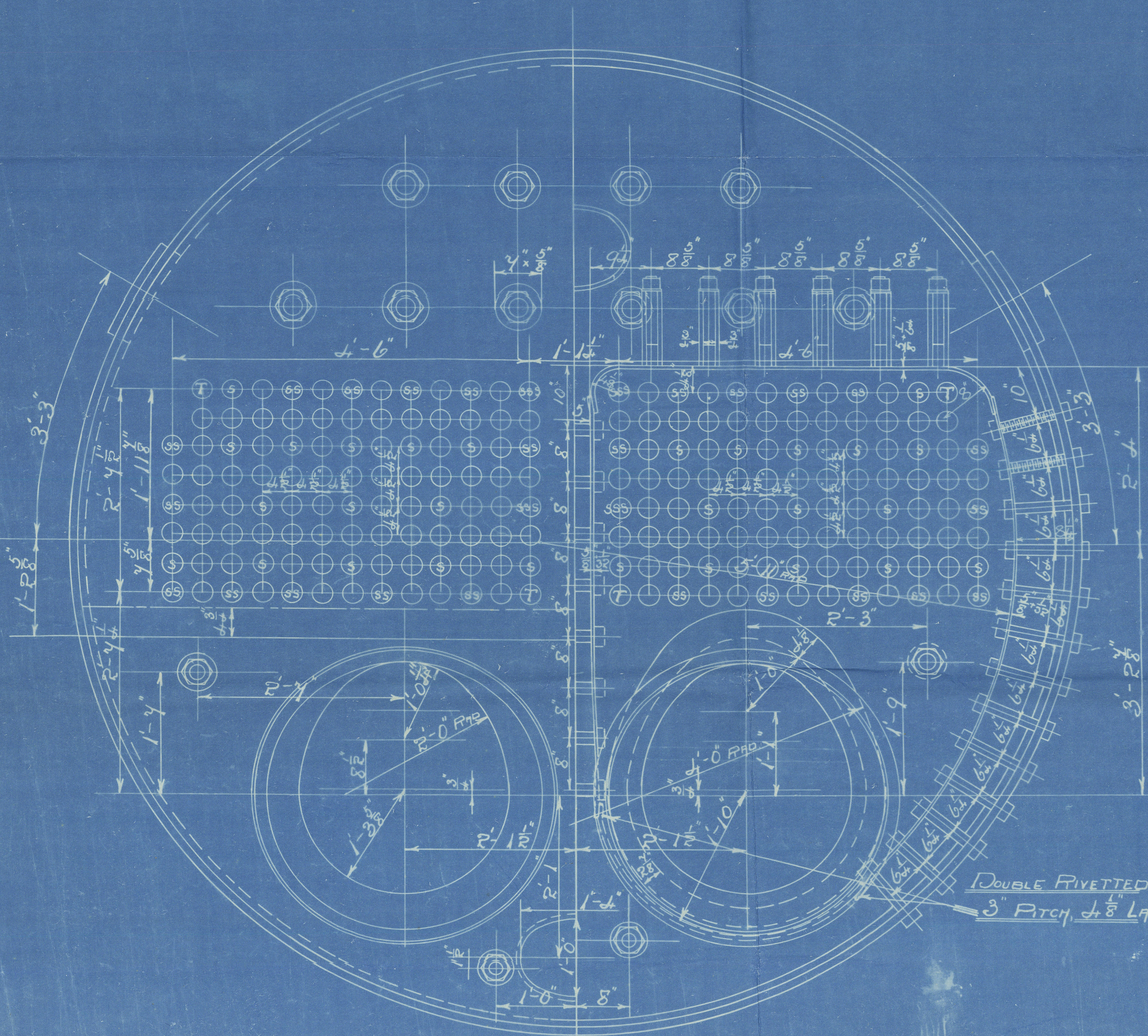
PLAN OF SHELL RIVETING



LONGITUDINAL SEAMS	
SECTIONAL AREA OF SOLID PLATE	100
" " OF PLATE BET. RIVET HOLES	85.59
" " RIVETS	86.4

CIRCUMFERENTIAL SEAMS	
SECTIONAL AREA OF PLATE BET. RIVET HOLES	63.46
" " RIVETS	56.2

To pass Lloyd's Survey



1 1/2" STAYS, 9 THREADS PER INCH	
1 1/2" " 9 " " " MARKED B	
1 1/2" " 9 " " " " A	

422

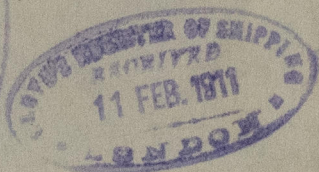
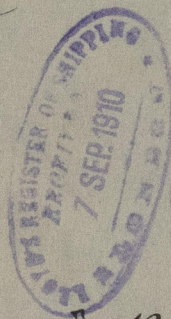
W. DOXFORD & SONS LTD.

MAIN BOILER

1 OFF. 180 LBS.

Nº 2901
LLOYD'S TEST
360 LBS.
20-3-11. W.B.

(DUPLICATE OF Nº 426.)



Bohème

Sld. Rpt. 24840

RETAIN

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W633-L02514 Register

Foundation