

\_\_\_\_\_

187 for each to

Scale  $1'' = 1 \frac{1}{4}'$

Aug. 29/05

plates by Messrs John Spencer & Son

Plates Still

Rivets

all stays Iron

Tubes 11

Tubes 619

Furnaces 82

Combustion Chambers 84

Sub plates	32
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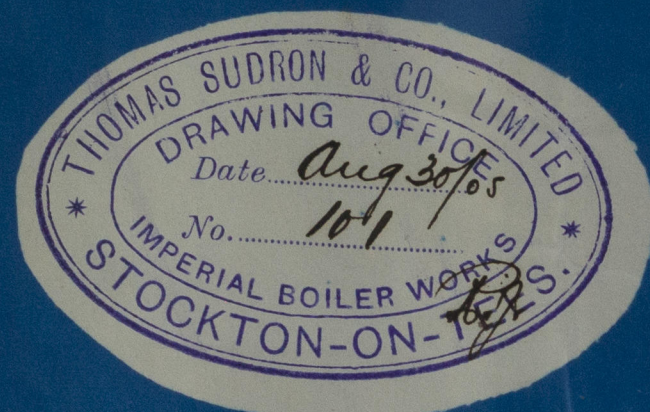
Total 820 Spr. A.

Total Grate Surface 32 Sqr. Ft.

Fingers 5-6" long

Working Pressure 90 lbs per. sq. inch

Test do 180 " " " "

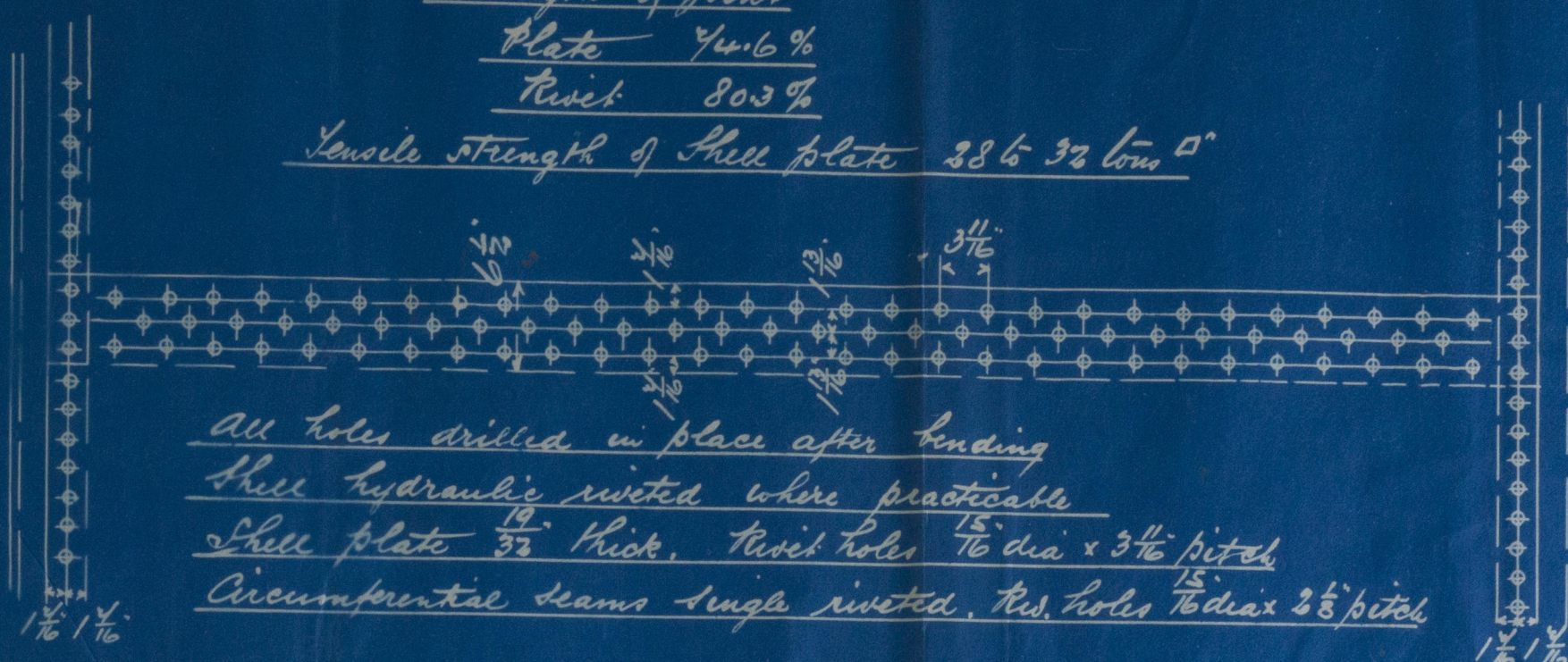


Strength of Joint

Plate 74.6 %

Rivet 80.3%

Tensile strength of shell plate 386 3/4 tons



all holes drilled in place after bending

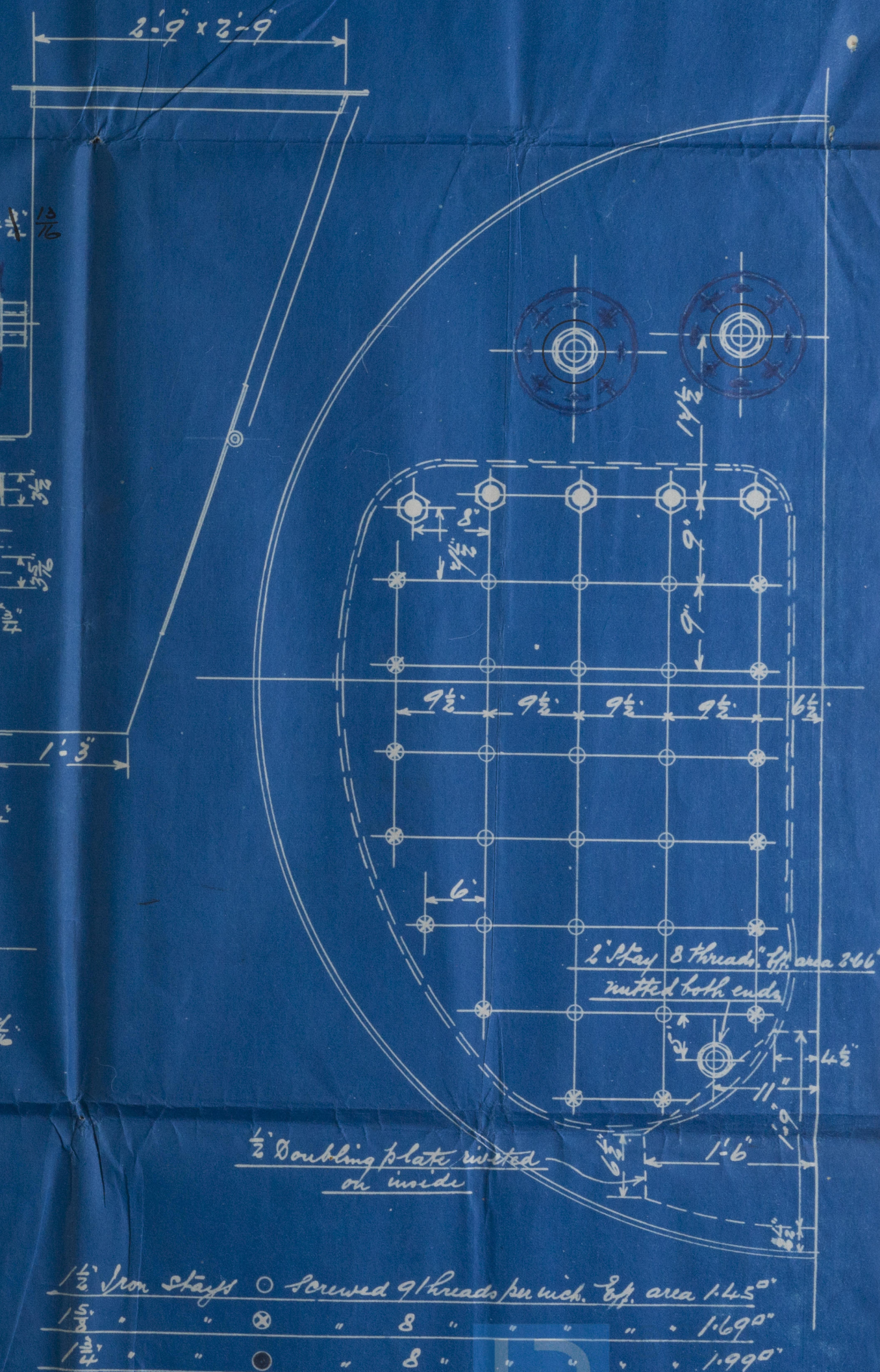
Shall hydraulic riveted where practicable

Shell plate  $\frac{19}{32}$  thick. Rivet holes  $\frac{15}{16}$  dia  $\times 3\frac{1}{16}$  pitch.

Circumferential seams single riveted. Riv. holes  $\frac{15}{16}$  dia x  $2\frac{1}{8}$  pitch

10'-0" Outside Dia

10-0 Outside Length



$\frac{1}{2}$ " Doubling plate riveted  
on inside

1 1/2" Iron stays ○ Screwed 9/16" heads per inch. Sp. area 1.45"

1.5. " " 8 " " " " 1.69"

1990

Stays in backs to have riveted heads except where shown nutted



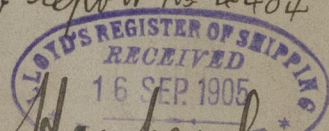
J Snodden & Co<sup>rs</sup>

No 2066

To W Gray & Co<sup>s</sup> & No 717

90 lbs W.R.

Indt report No 4404



Es<sup>y</sup> Harperley

Hpl. Report no. 12843

RETAIN

No. 3592  
LLOYD'S TEST.  
180 lbs.  
C.T.H.  
26-1-06.



W664-0179