

Boiler Order no. 2068-69-40

Heating Surface Sq. ft. 22,905

Tubes 441

Furnaces 69

Combustion Chambers 68

Tube Plates 26

Total 604 Sq. ft.

Total Grate Area 26.5 sq. ft.

Firebars 5'-0" long

Working Pressure 90 lbs per sq. inch

Test do 180 " " " "

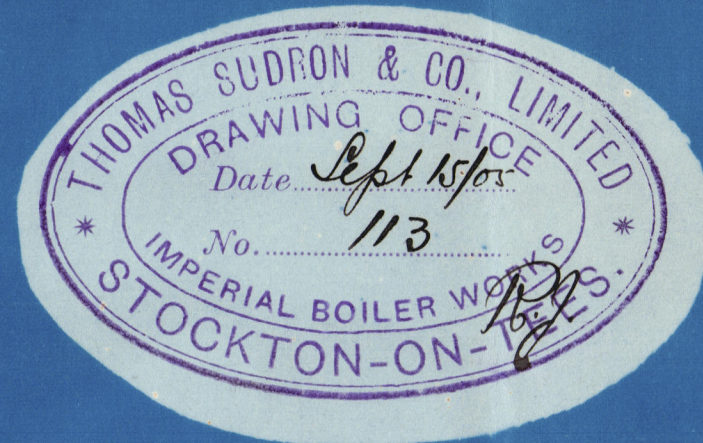
Messrs Furness Withy & Co. S.S. Co.

To be constructed to pass Lloyd's Survey

1 off for each no.

Scale 1" = 1' 4"

Sept 8/05



Plates by Messrs John Spencer & Son

Plate Steel

Rivets "

all Stays Iron

Tubes "

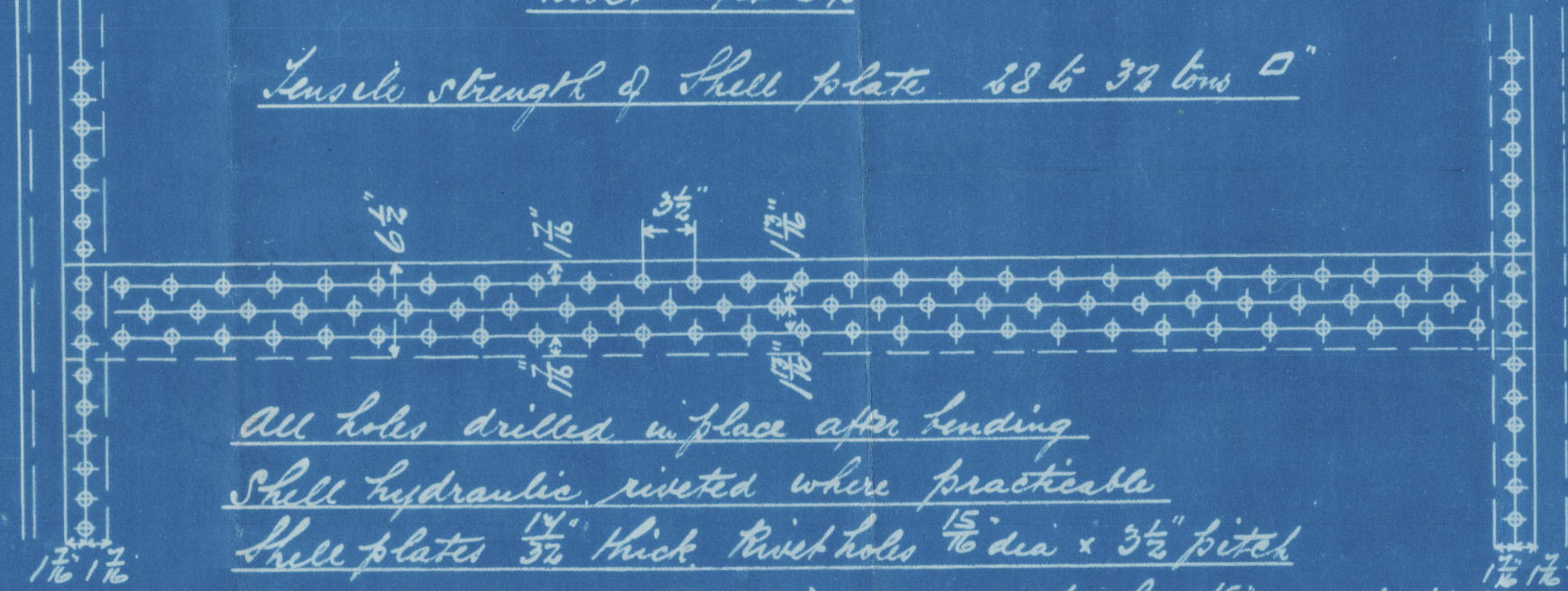
Plan of Shell Riveting

Strength of Joint

Plate 43.3%

Rivet 94.5%

Tensile strength of Shell plate 88 1/2 tons sq. in.

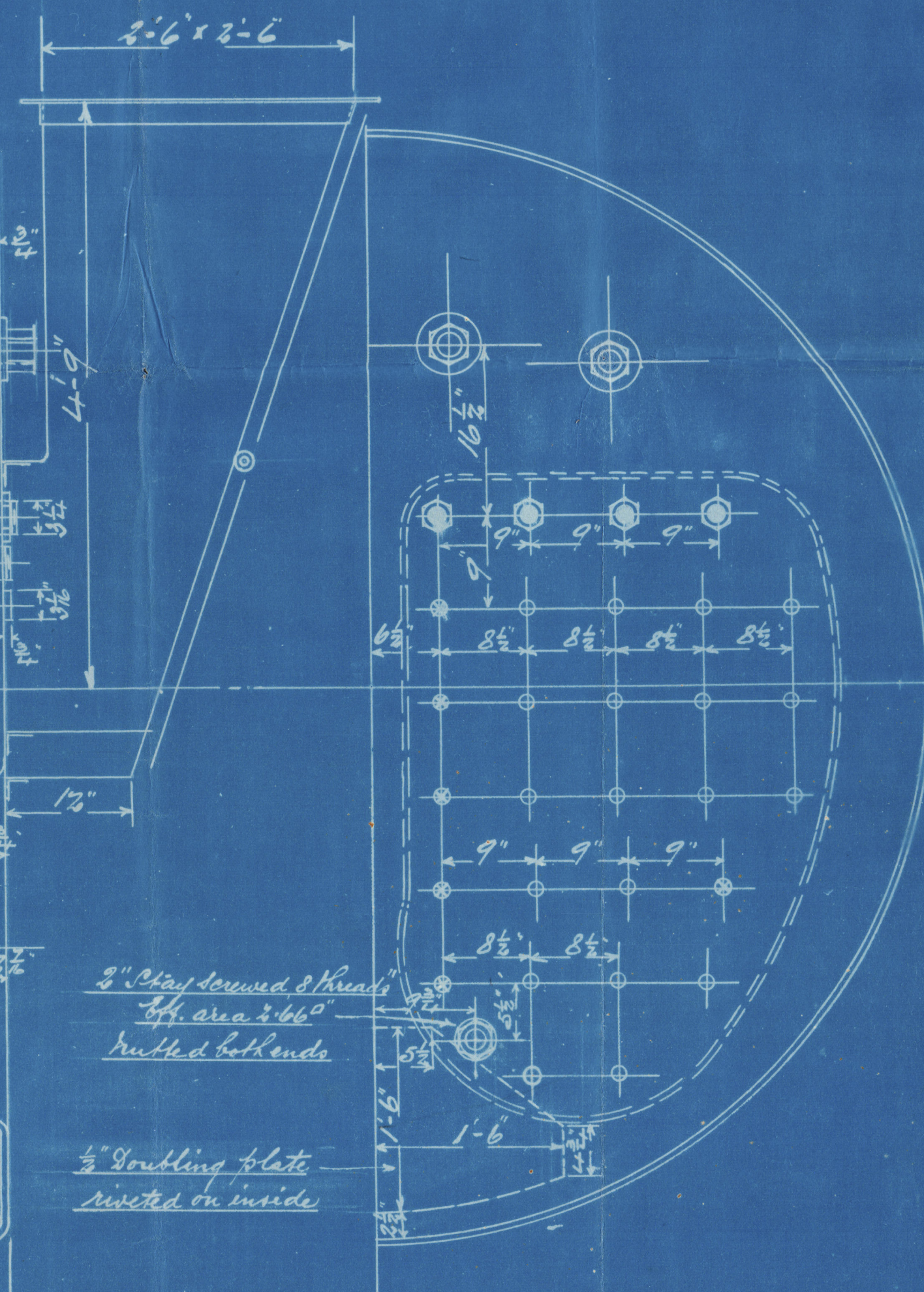
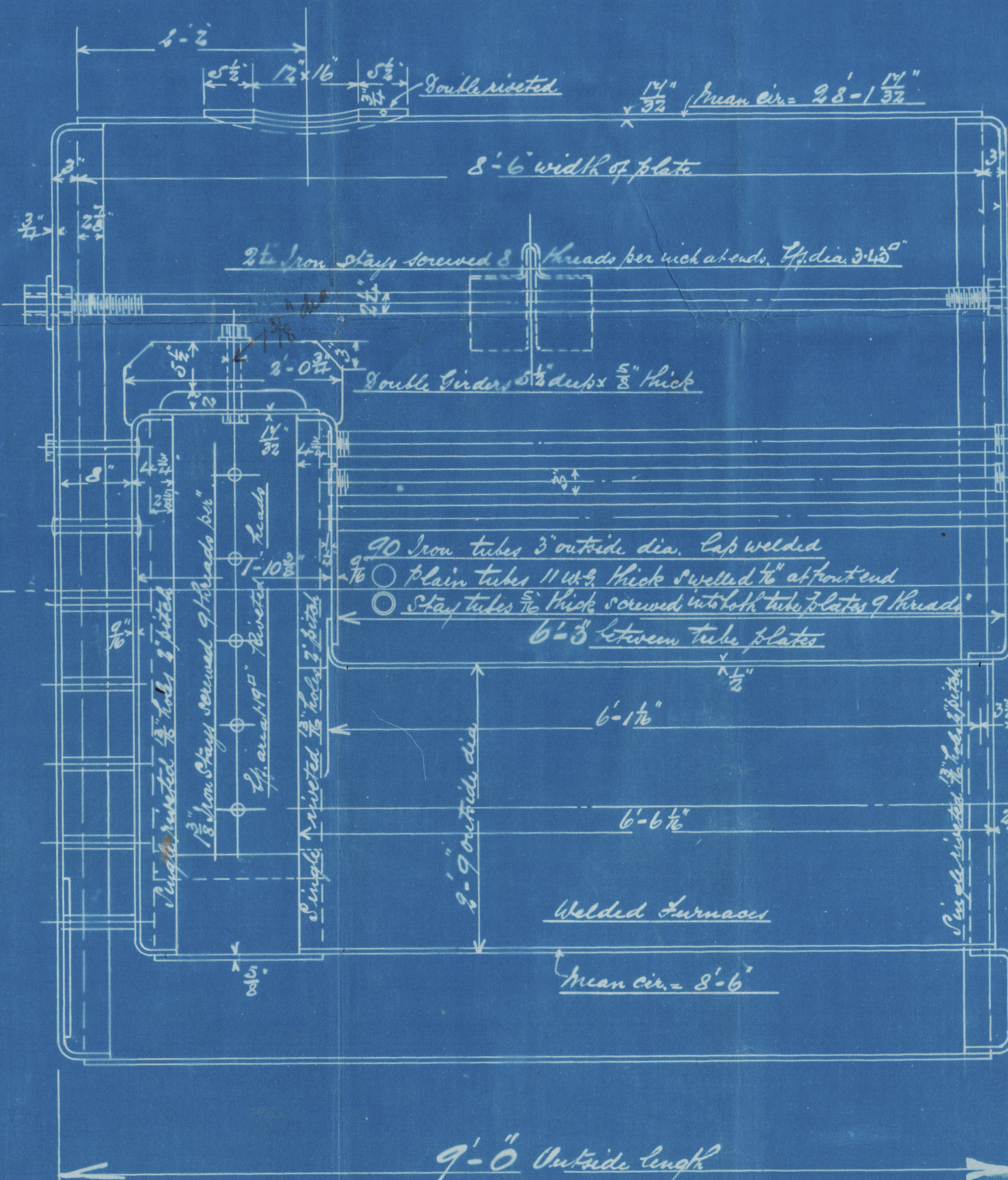
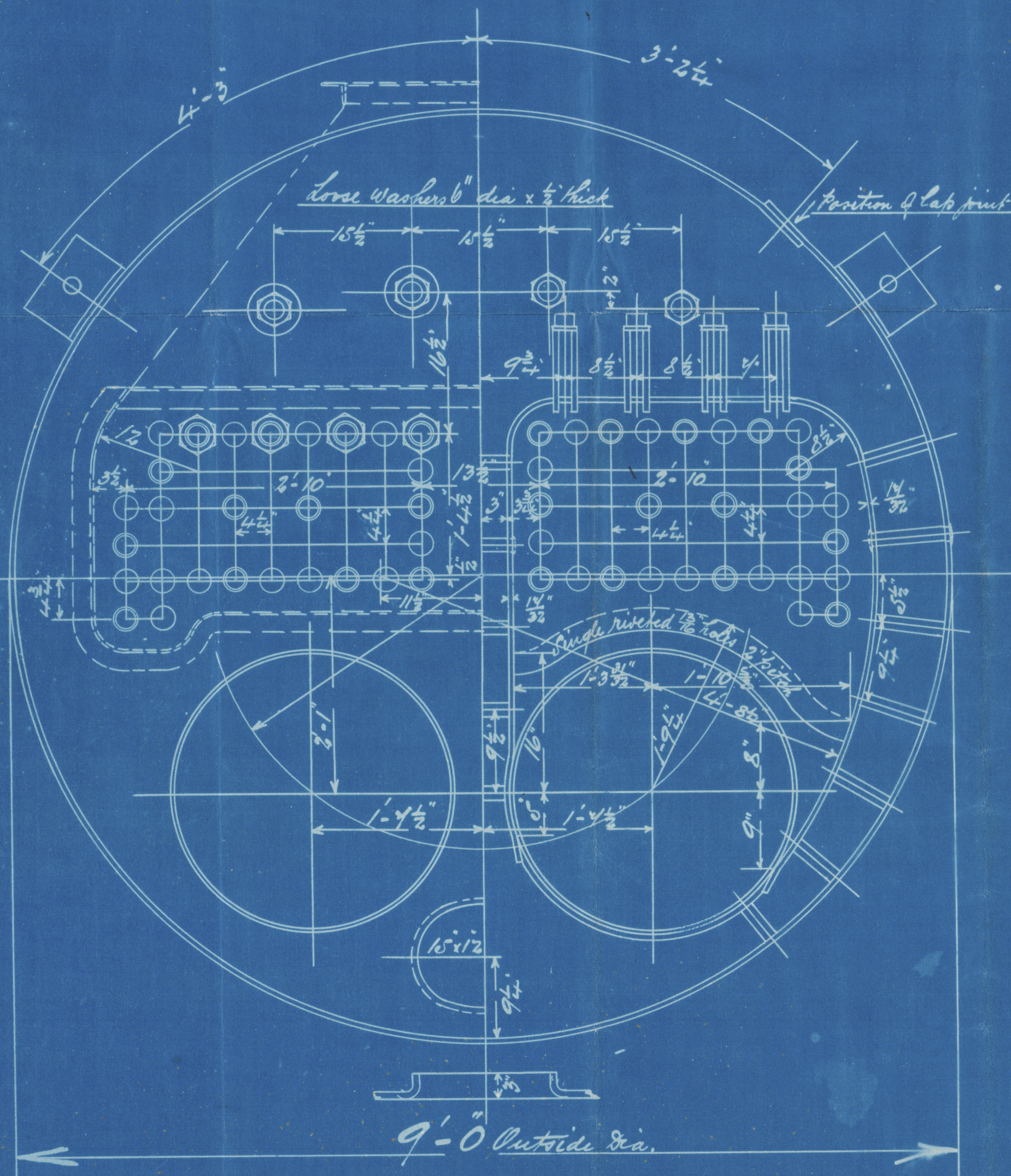


All holes drilled in place after bending

Shell hydraulic riveted where practicable

Shell plates 3/4" thick rivet holes 1 1/2" dia x 3 1/2" pitch

Circumferential seams single riveted riv. holes 1 1/2" dia x 2 1/2" pitch



1 1/2" Iron Stays 8" screwed 9 threads 1/2" area 1.45 sq. in.
1 1/2" " " " " " " 1.69 sq. in.
1 1/2" " " " " " " 1.99 sq. in.

All stays in backs to have riveted heads inside and outside except where shown riveted outside.

8/9/05

J.S.M.
22/9/05

W947-0070

W947-0070

Lloyds

for approval



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Lloyd's Register
Foundation

J. Sudrow & Co

Nos ~~2068-9-70~~

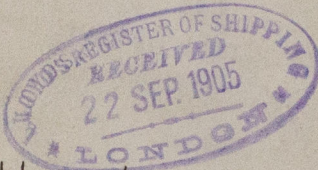
for

Turner Wither, Co & Co

Nos

gold m r

W947-0070



Indb report no. 4664

No. 3625
LLOYD'S TEST. 2068
180 lbs.
G.M.
13-3-06

Turner Wither 293 5/8

No. 3677
LLOYD'S TEST. 2069
180 lbs.
G.M.
23-5-06

No. 3699
LLOYD'S TEST.
180 lbs.
G.M.
21-0-06

2070

1/8 294

Es. "Ada"
Hpl. Report no.

Es. "Diphon"
Hpl. Report no. 13044



Foundation