

Boiler Order No. 2064

| | |
|----------------------------|--------------------|
| <u>Heating Surface</u> | <u>Sq. Ft.</u> |
| <u> Tubes</u> | 619 |
| <u> Furnaces</u> | 82 |
| <u>Combustion Chambers</u> | 84 |
| <u> Tube plates</u> | 32 |
| <u> Total</u> | <u>820 Sq. Ft.</u> |

Total Grate Surface 32 Sq. ft.
Fuelbars 5'-6" long

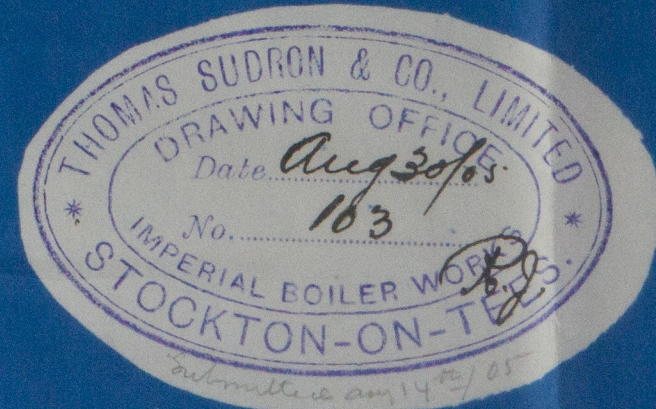
Working pressure 90 lbs. per sq. inch
Test do 180 " " " "

Messrs. Furness Withy & Co. Ltd. S.O. No.
To be constructed to pass Lloyd's Survey
1/2 pp for each ho Scale 1" = 1/4"

Aug. 29/05.

plates by Mrs. John Spencer How

| | |
|-----------|------|
| Plates | Yell |
| Rivets | " |
| all Stays | Iron |
| Tubes | " |



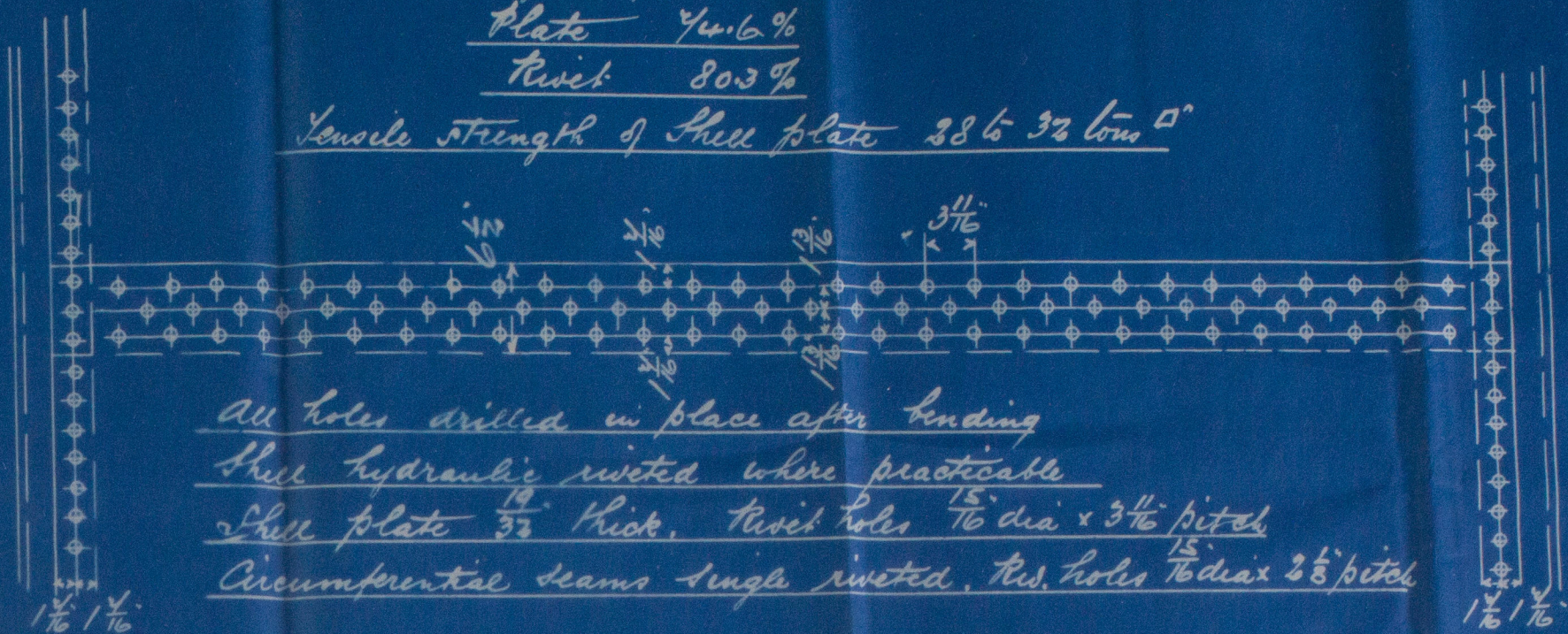
Plan of Shell Riveting

Strength of joint

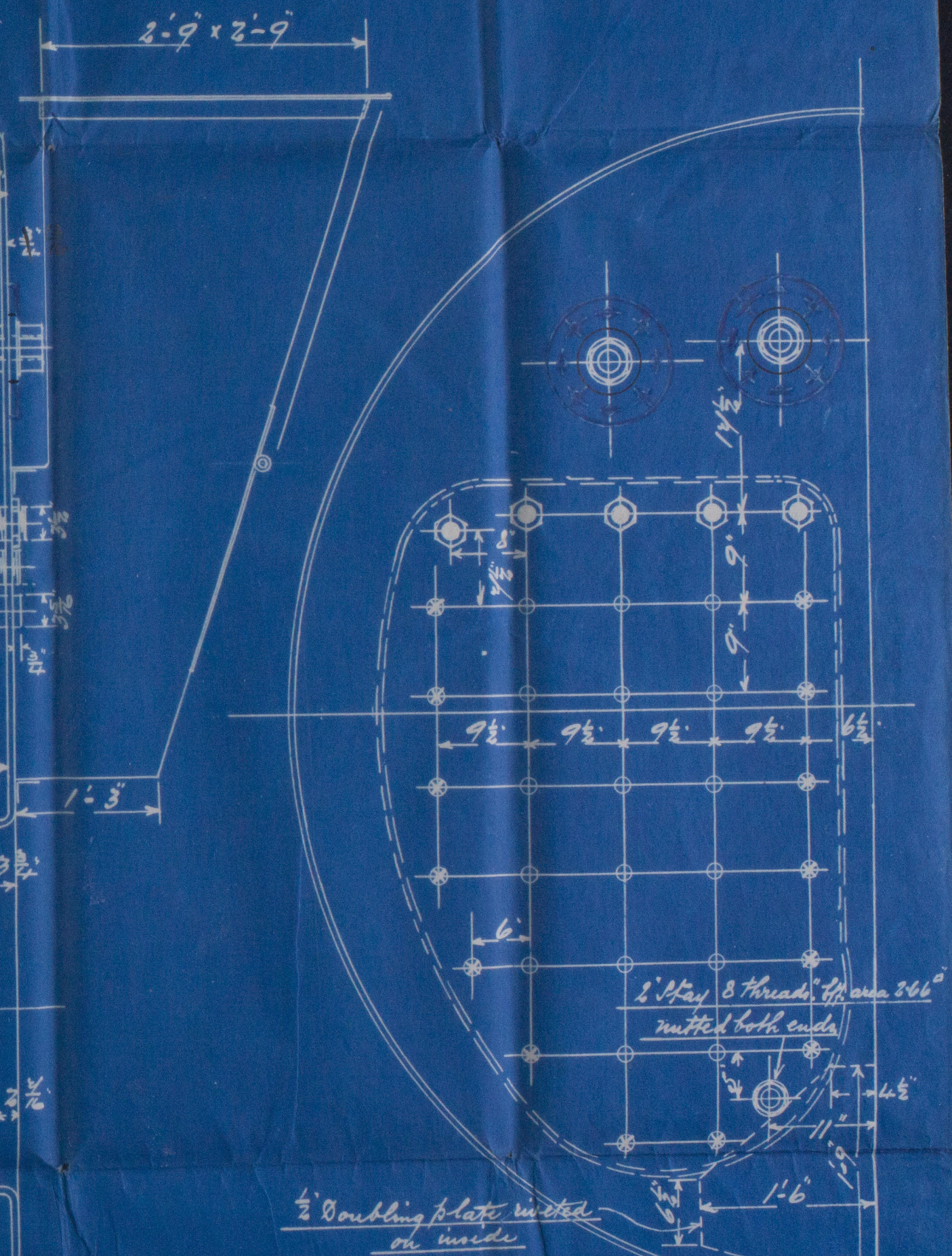
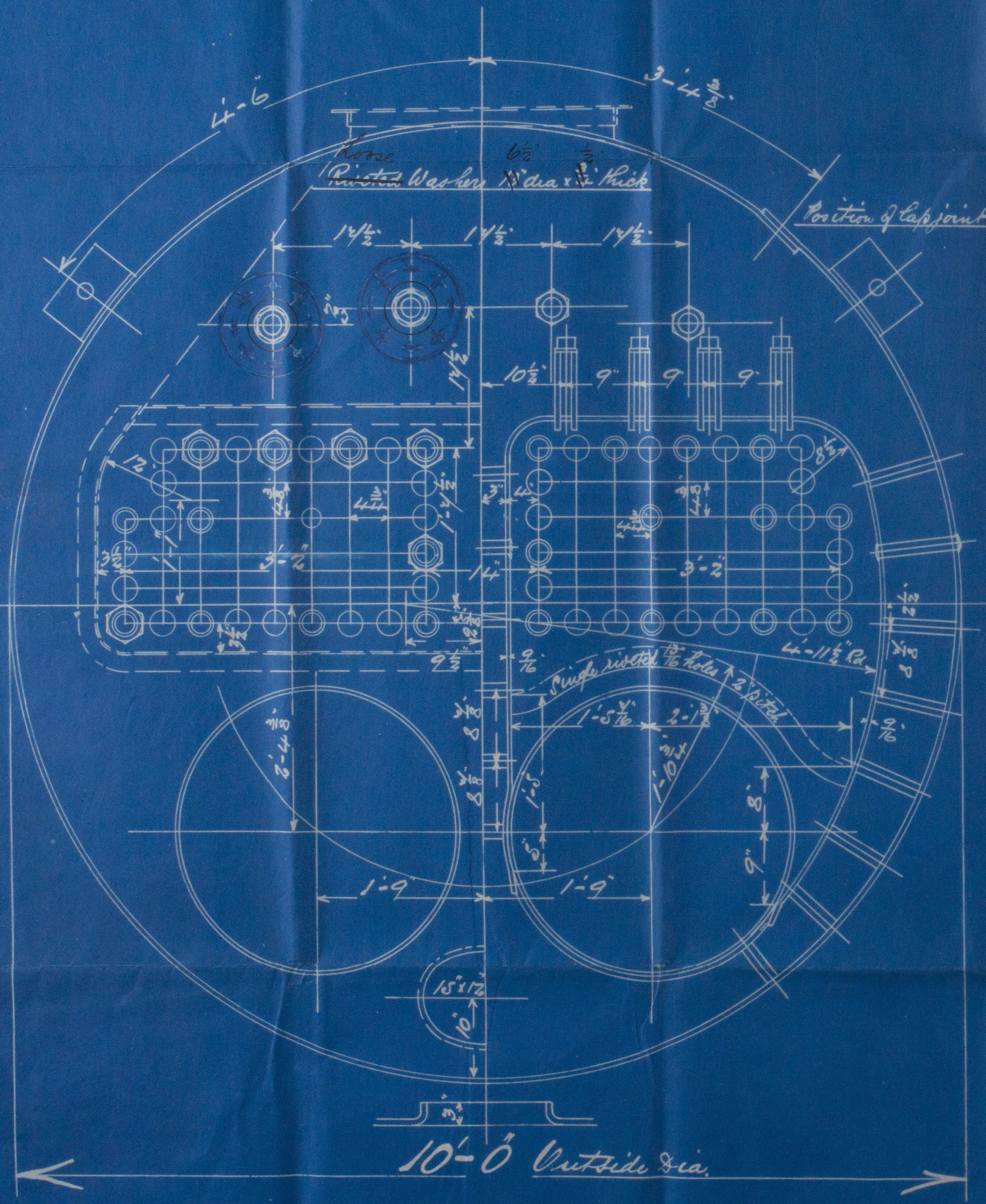
Plate 74.6%

Rivet 80.3%

Tensile strength of shell plate 386 3/4 tons



all holes drilled in place after landing
Shell hydraulic riveted where practicable
Shell plate $\frac{15}{16}$ thick, rivet holes $\frac{1}{16}$ dia \times $3\frac{1}{4}$ pitch
Circumferential seams single riveted, riv. holes $\frac{15}{16}$ dia \times $3\frac{1}{2}$ pitch



1 1/2" Iron Staff O screwed 91 heads per inch. Sp. area 1.45"
1 5/8" " " " 8 " " " " " 1.69"
1 3/4" " " " 8 " " " " " 1.99"

Stays in sacks to have riveted heads except where shown nitted.

J. Sadron & Co^{de}

No 2067

For Furner Witty & Co^{de}

No 290

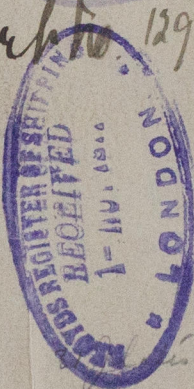
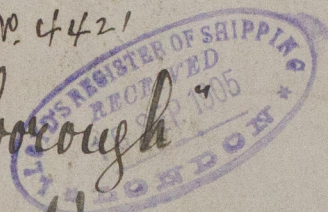
gold. m. r.

Gold report No. 4421

es. Beesborough

Hpl. Reports 12928

No. 3601
LLOYD'S TEST.
180 lbs.
G.M.
4-2-04



WS 96-0168

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Lloyd's Register
Foundation