

Mr 22-12-99

# BOILER, ORDER N° 107 B.

## S. S. "FEDERATION"

TO BE CONSTRUCTED TO PASS B. OF T. & LLOYDS REQUIREMENTS

2, OFF THIS.

SCALE 1" = 1 FT.

DEC 19<sup>TH</sup> 99

### PLAN OF SHELL RIVETING

STRENGTH OF JOINT

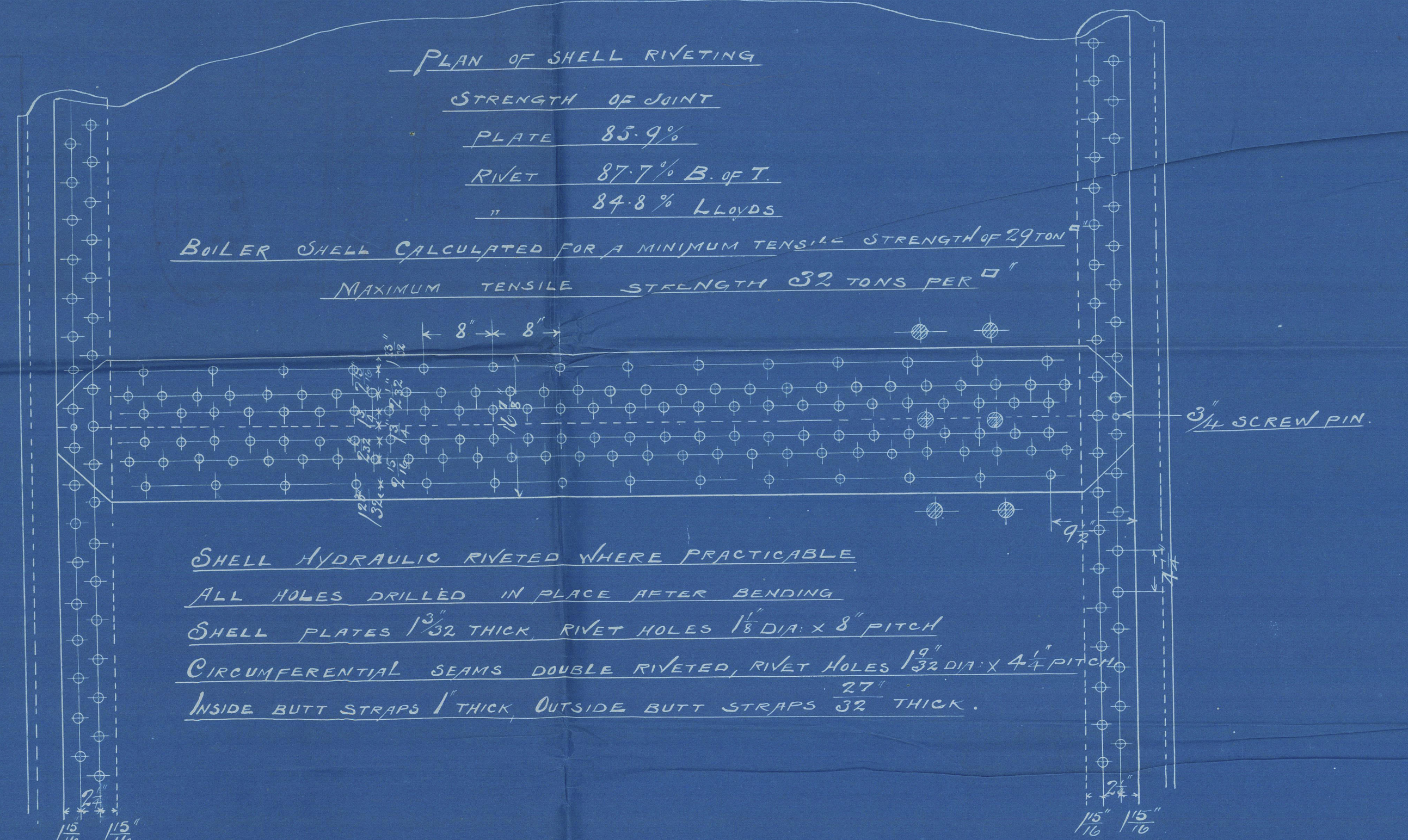
PLATE 85.9%

RIVET 87.7% B. OF T.

" 84.8% LLOYDS

BOILER SHELL CALCULATED FOR A MINIMUM TENSILE STRENGTH OF 29 TON

MAXIMUM TENSILE STRENGTH 32 TONS PER SQ"



SHELL HYDRAULIC RIVETED WHERE PRACTICABLE

ALL HOLES DRILLED IN PLACE AFTER BENDING

SHELL PLATES 1 1/2\"/>

CIRCUMFERENTIAL SEAMS DOUBLE RIVETED, RIVET HOLES 1 3/4\"/>

INSIDE BUTT STRAPS 1\"/>

PLATES MANUFACTURED BY THE WEARDALE IRON & COAL CO.

PLATES STEEL

RIVETS "

STAYS STEEL & IRON

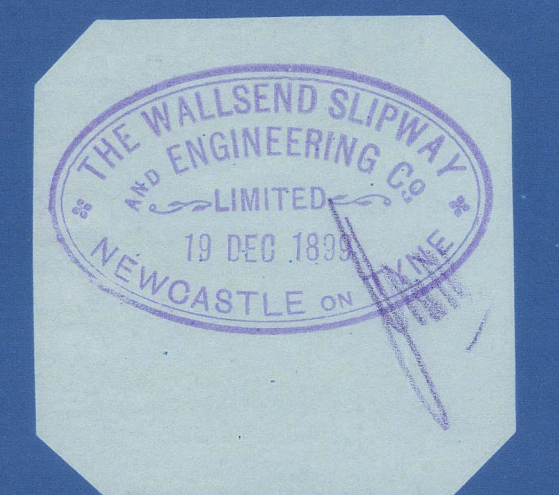
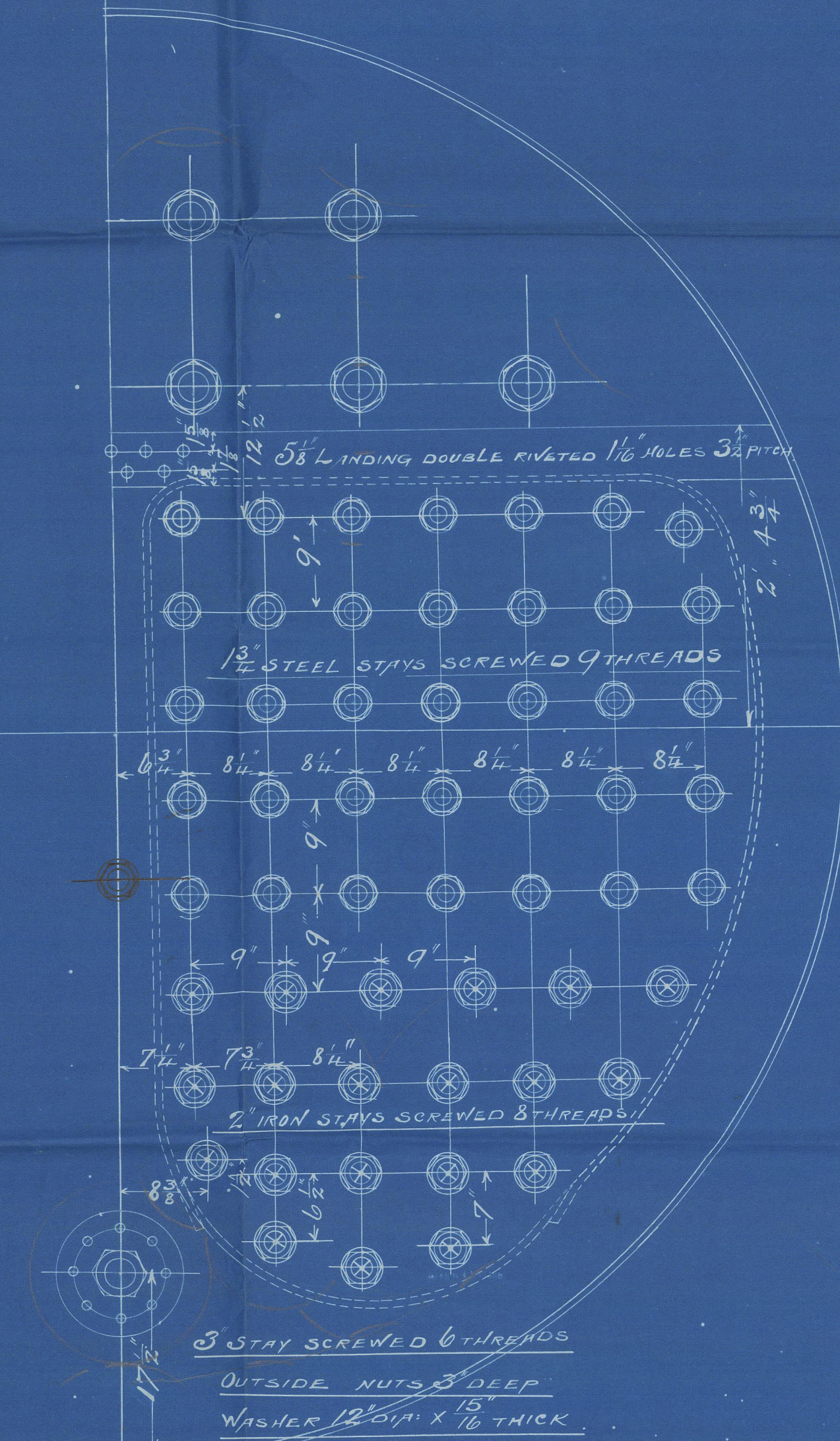
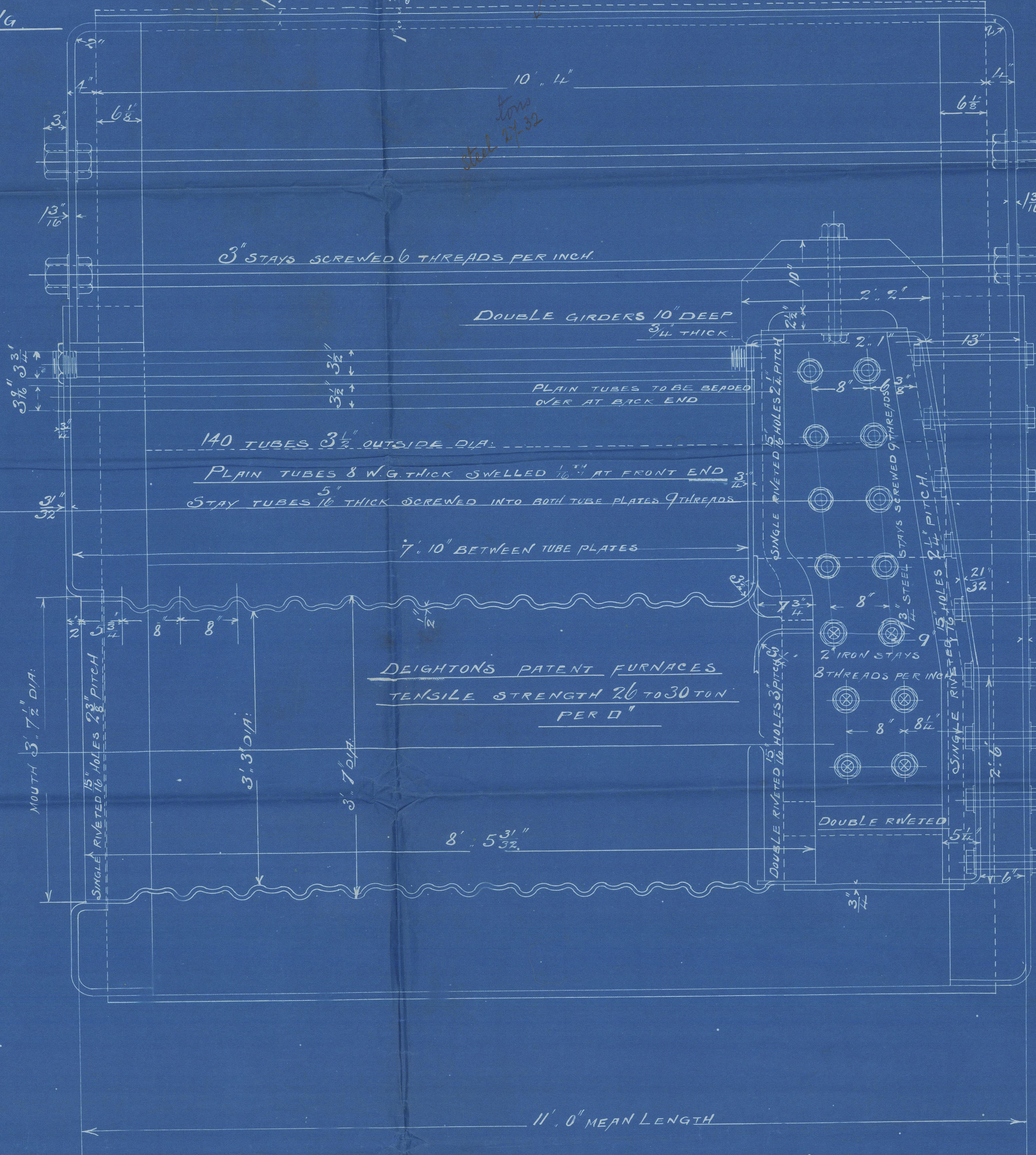
TUBES IRON

FRONT OF BOILERS

MANHOLE 10' x 12' FITTED WITH M<sup>S</sup> NEIL'S DOOR & DOUBLING



LETTERS A DENOTE POSITION OF BUTT JOINTS.



RA 20-12-99



Wallsend Shipwreck Co

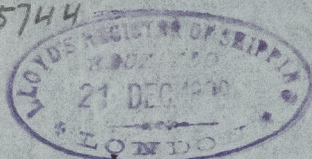
N° 10713

S/s "Federation"

2SE

W.P 175<sup>th</sup>

5744



Newcastle Report

N° 140252

N° 5744  
LLOYD'S TEST  
350<sup>th</sup>  
27-3-1900 T.R.H



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