

12:4:04

# STEEL BOILER N<sup>o</sup> A 86

Working Pressure = 180 lbs (Lloyds)

Scale 1 inch = 1 foot

Plan of Shell Riveting

1 1/2 holes 3/4 pitch  
Plate = 85.8% Rivets = 88.1% (Lloyds)

## DIMENSIONS

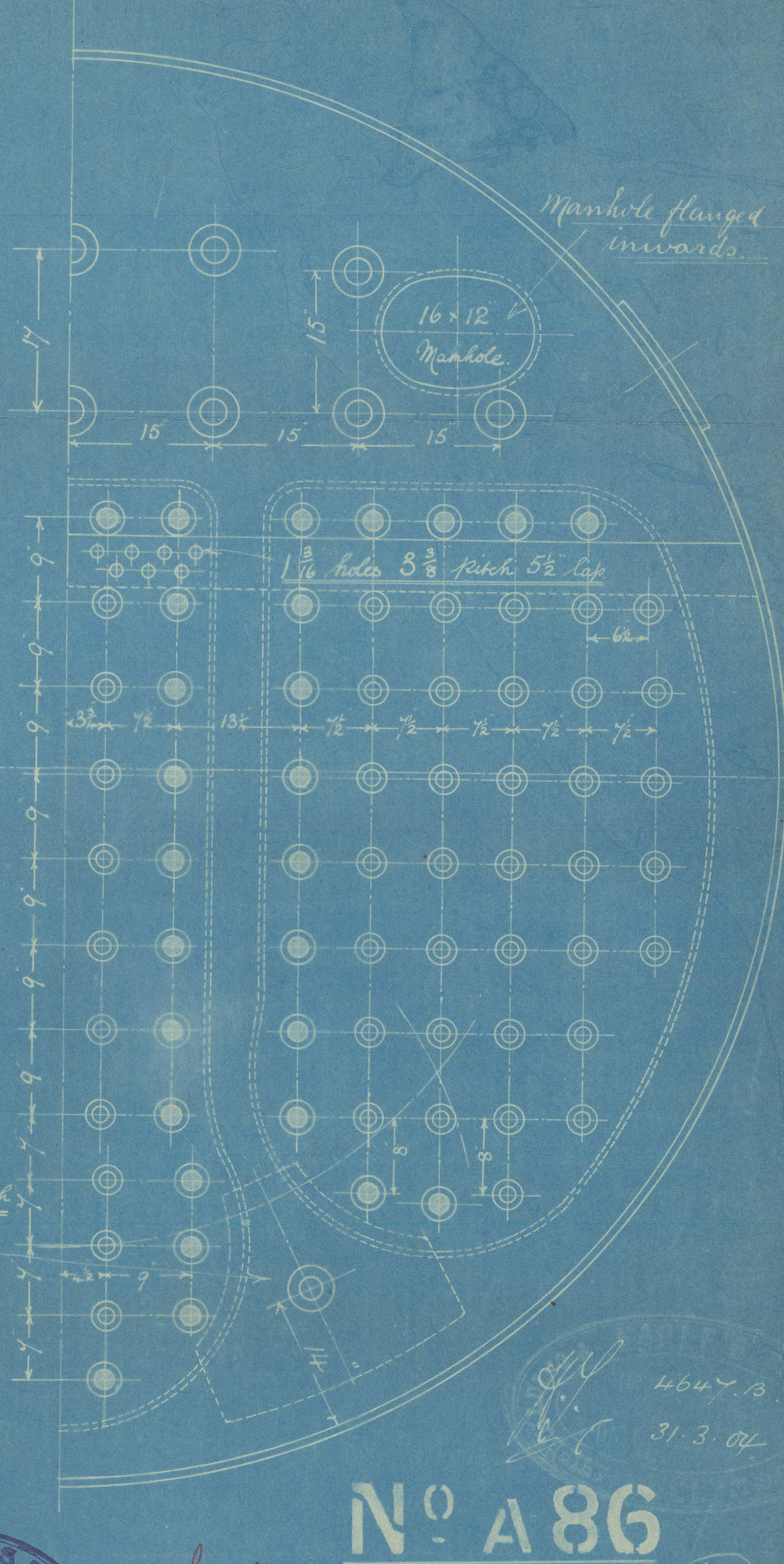
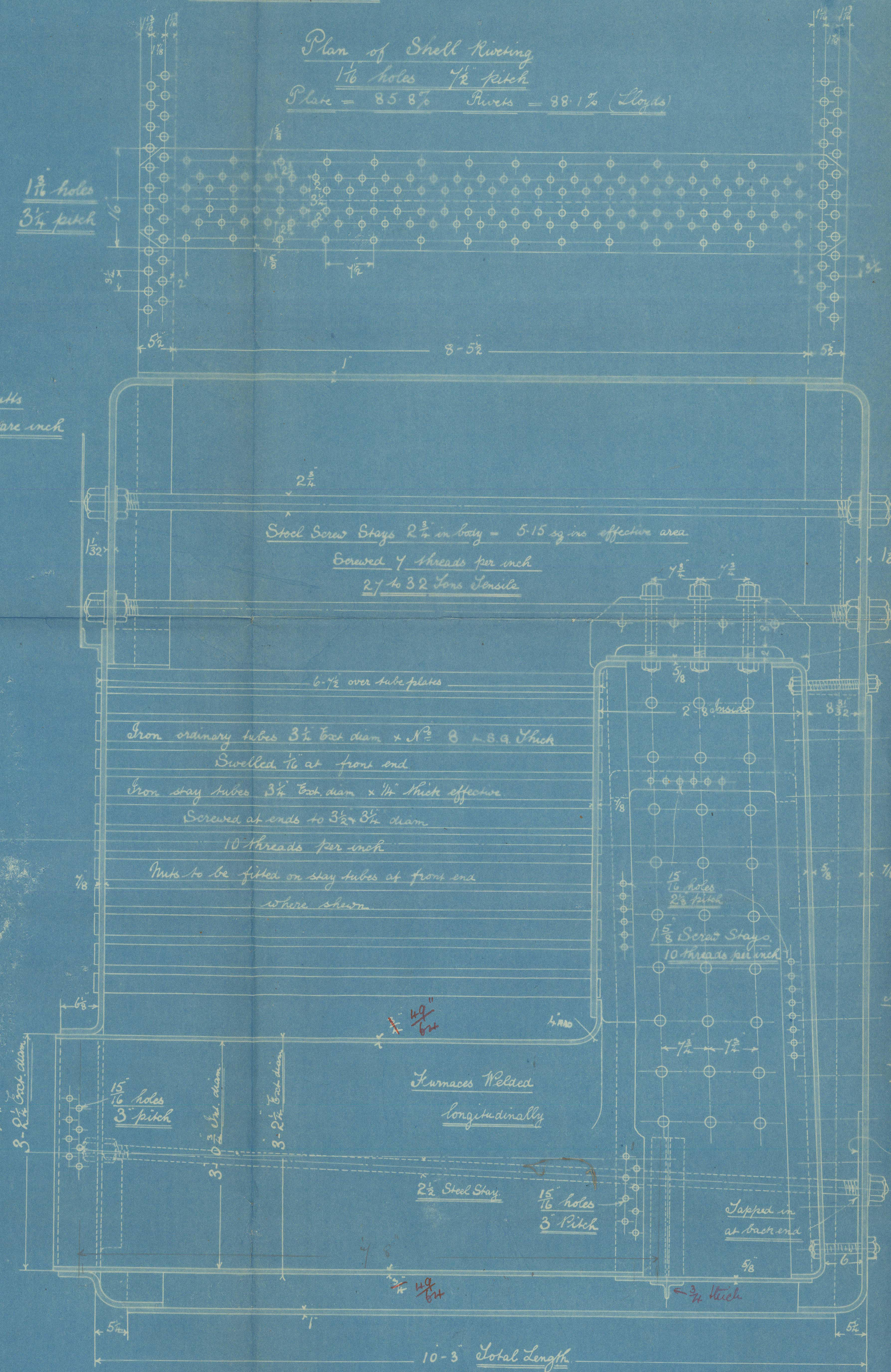
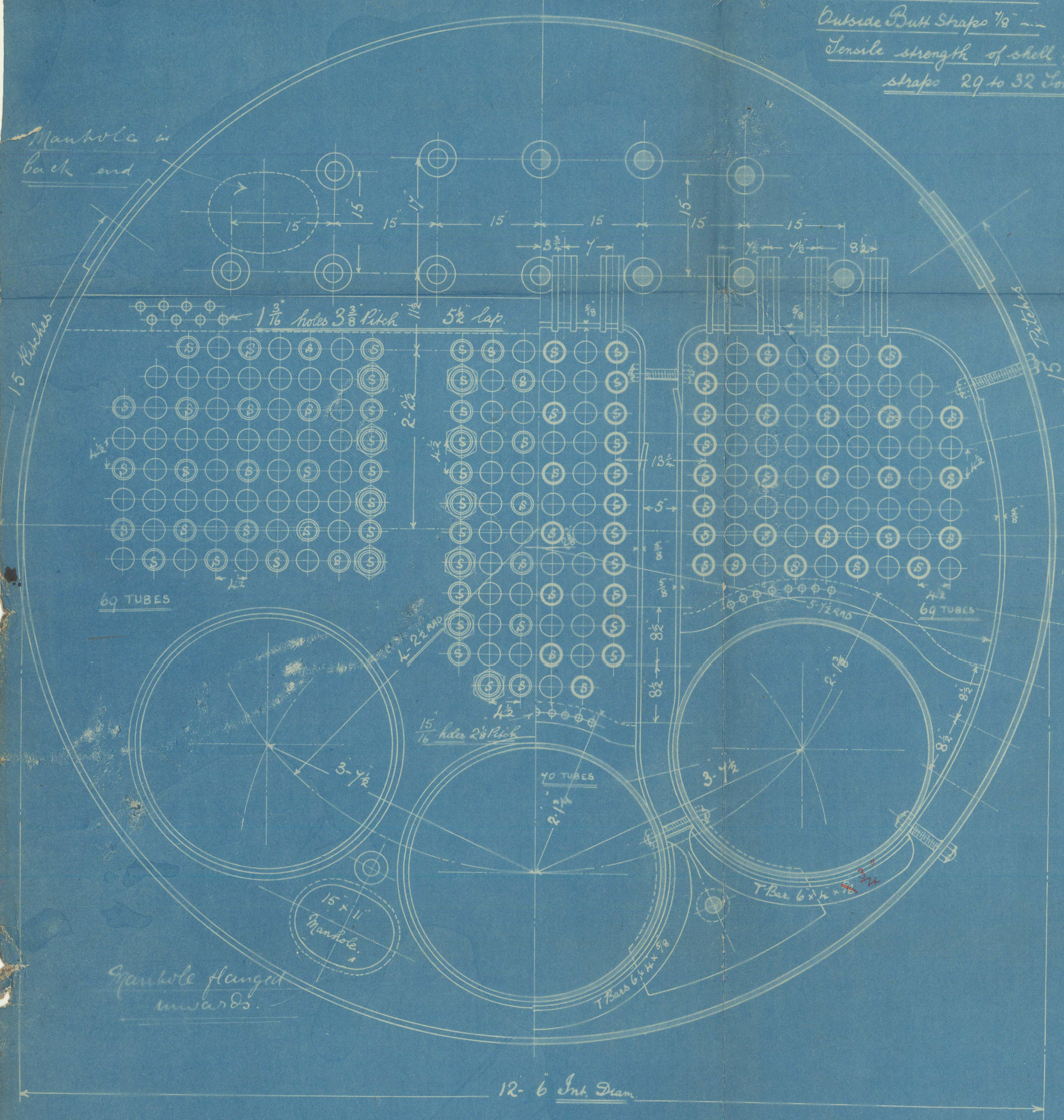
LENGTH OF FIRE BARS	
AREA OF FIRE GRATE	
DIAM OF TUBES OUTSIDE	3 1/2"
LENGTH OF TUBES over plates	6' 7 1/2"
N <sup>o</sup> OF TUBES	208
AREA THROUGH TUBES	8.9 sq
SURFACE OF TUBES	116.3 sq
TOTAL HEATING SURFACE	1450 sq
WORKING PRESSURE	180 lbs

Shell Plates 1 inch

Inside Butt Straps 1"

Outside Butt Straps 7/8"

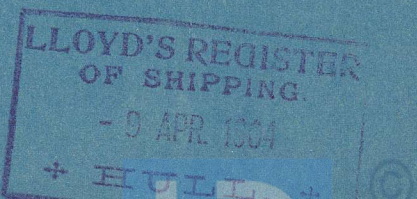
Tensile strength of shell plates & butt straps 29 to 32 tons per square inch



All 1 1/2" steel stays except those shown in section which are 1 1/2" diam. All stays 10 threads per inch. Inside doubling plates 3/4" thick riveted on with 1" rivets 1 1/2" rivet holes.



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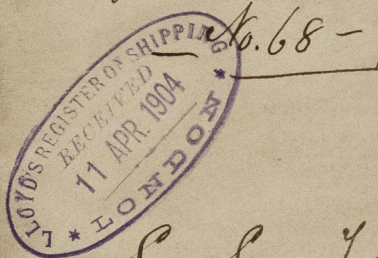
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Lloyd's Register Foundation



Earle's Co. L<sup>d</sup>  
- Blk. A 86 -

for Goble S & R. Co's



180th

Sc. Sr. Lees

Hull Report no. 18284

**RETAIN**

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