

Heating surface — 1076 square feet.
 Grate — 45 " "
 Working pressure — 121 lbs. per sq. inch.
 Hydrant — 132 " " "

24/2/10

Steel Donkey Boiler for ship 238.

Fab. C. Tecklenborg R. G.

to be classed 100 A 1 steel.

Bremerhaven-Gesamünde.

Ob: 334.

1:10.

Material: Siemens Martin - Steel.

Shell plating, butt straps and girders: Tensile strength 26,7 - 30,5 tons per sq. inch.

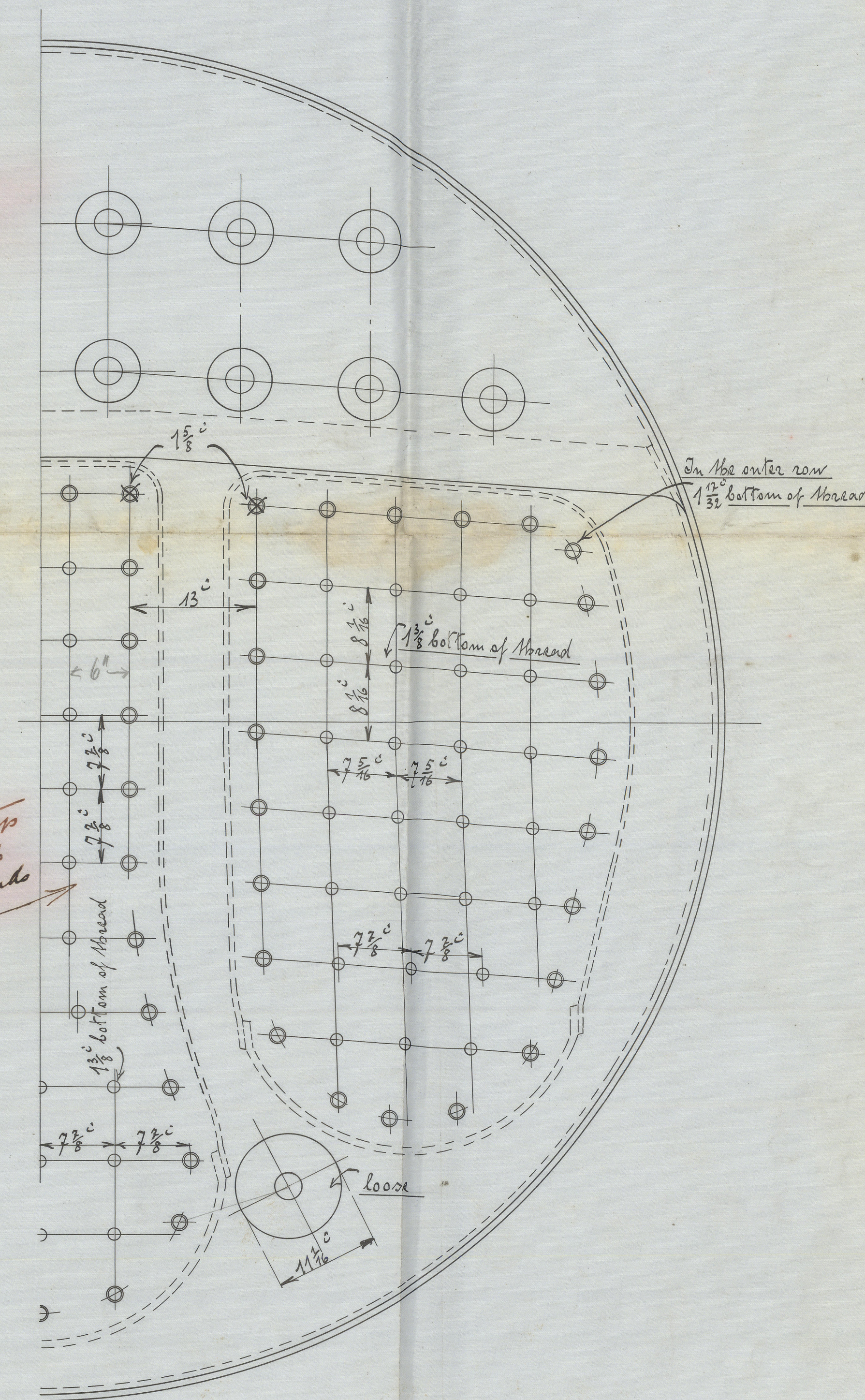
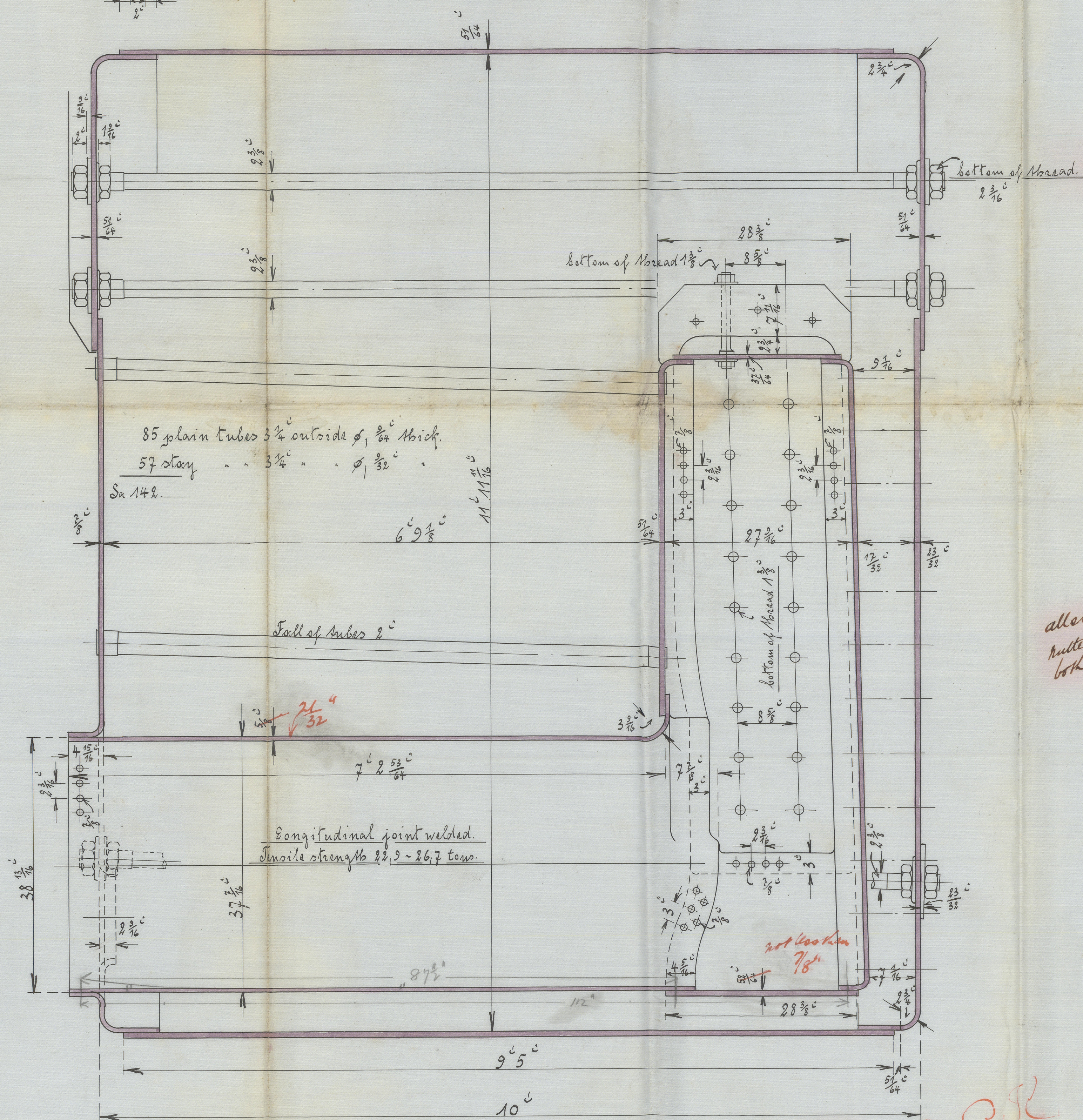
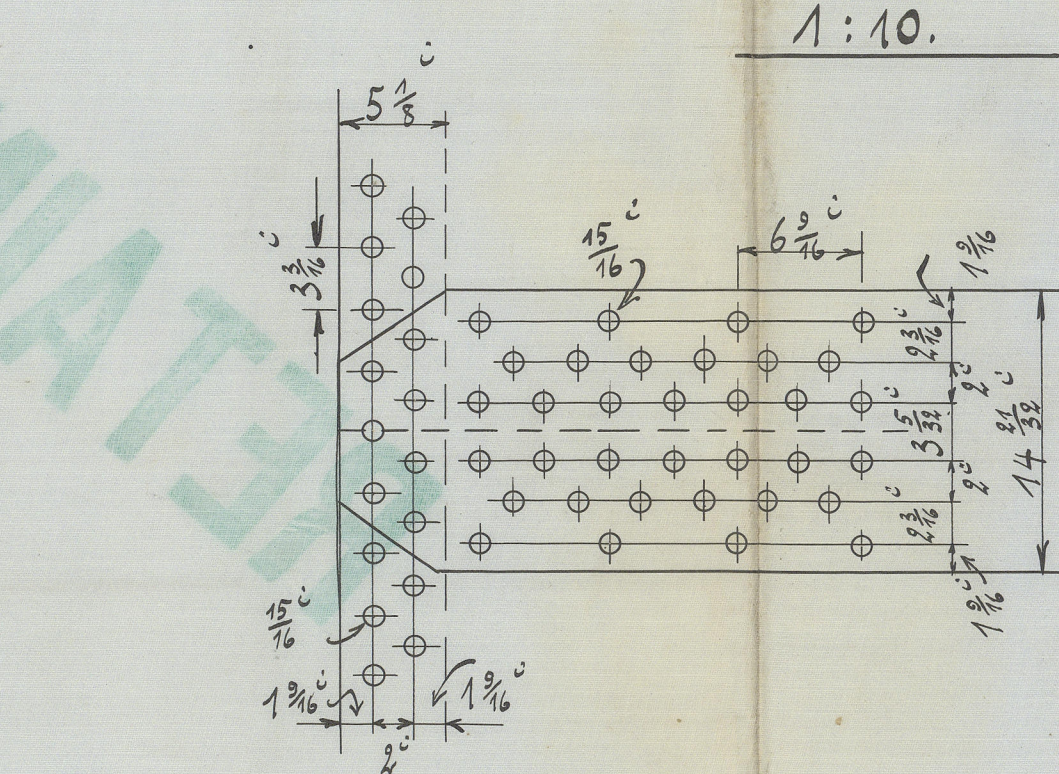
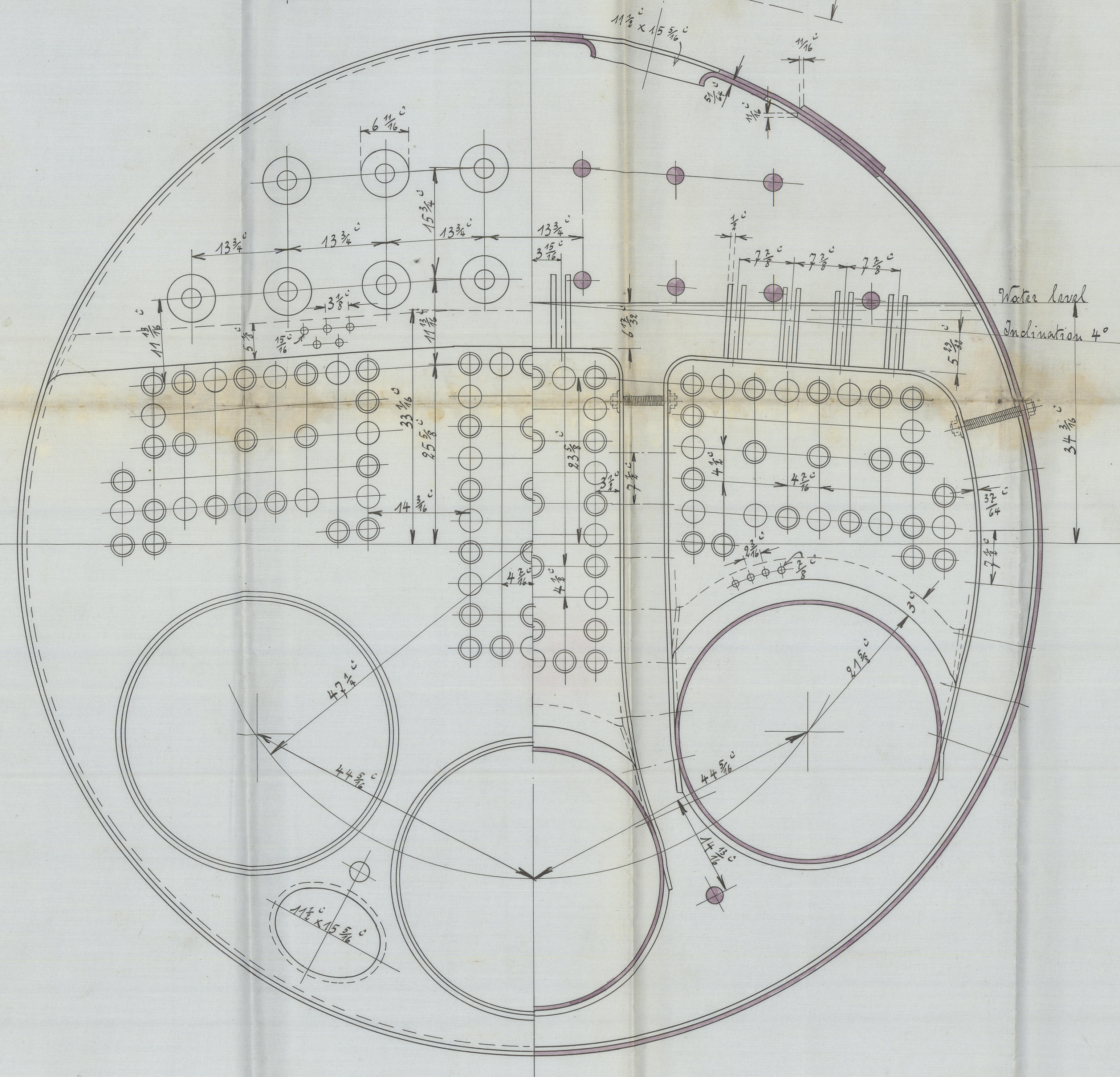
Elongation 24 - 25,5 per cent

All the other material: Tensile strength 22,9 - 26,7 tons per sq. inch.

Elongation 26 %

All stay bolts with nuts and washers; material: Feinkornisen
 tensile strength 25,4 - 28,6 tons per sq. inch.

$$\text{Thickness of shell plate } T = \frac{181 \cdot 144 \cdot 4}{22 \cdot 85,5} + 2 = 9,28 + 2 = 11,28 = \frac{45}{64} \text{ "}$$



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J.P.S.
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Donkey Bales

