

# BOILERS 173 & 174 W.P. 200 LBS. □" WITH LLOYDS TEST.

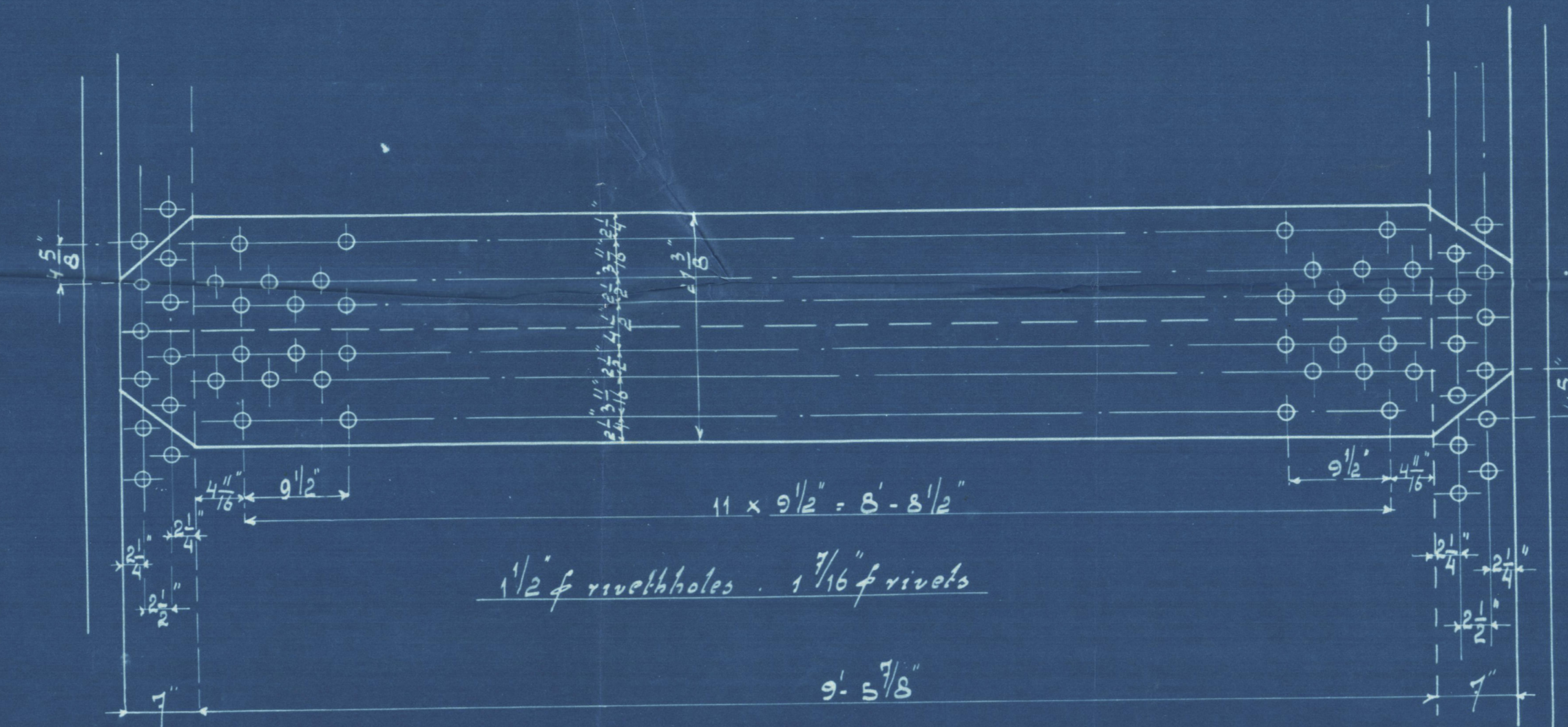
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SCHAAL 1:12

12-7-1918.

Shell Plate	$\frac{1}{16}$ thick
Built Straps	$\frac{1}{16}$ & $\frac{1}{8}$
Top front	$1 \frac{9}{16}$
Top back	$1 \frac{9}{16}$
Front tubeplate	$\frac{25}{32}$
Back	$\frac{25}{32}$
Bottom back	$\frac{25}{32}$
Top of fireboxes	$\frac{3}{4}$
Back of fire	$\frac{25}{32}$
Bottom of fire	$\frac{1}{8}$
Doubling plates	$\frac{1}{16}$ & $\frac{3}{4}$ & $\frac{1}{16}$
Girders	1
Furnaces	$\frac{25}{32}$

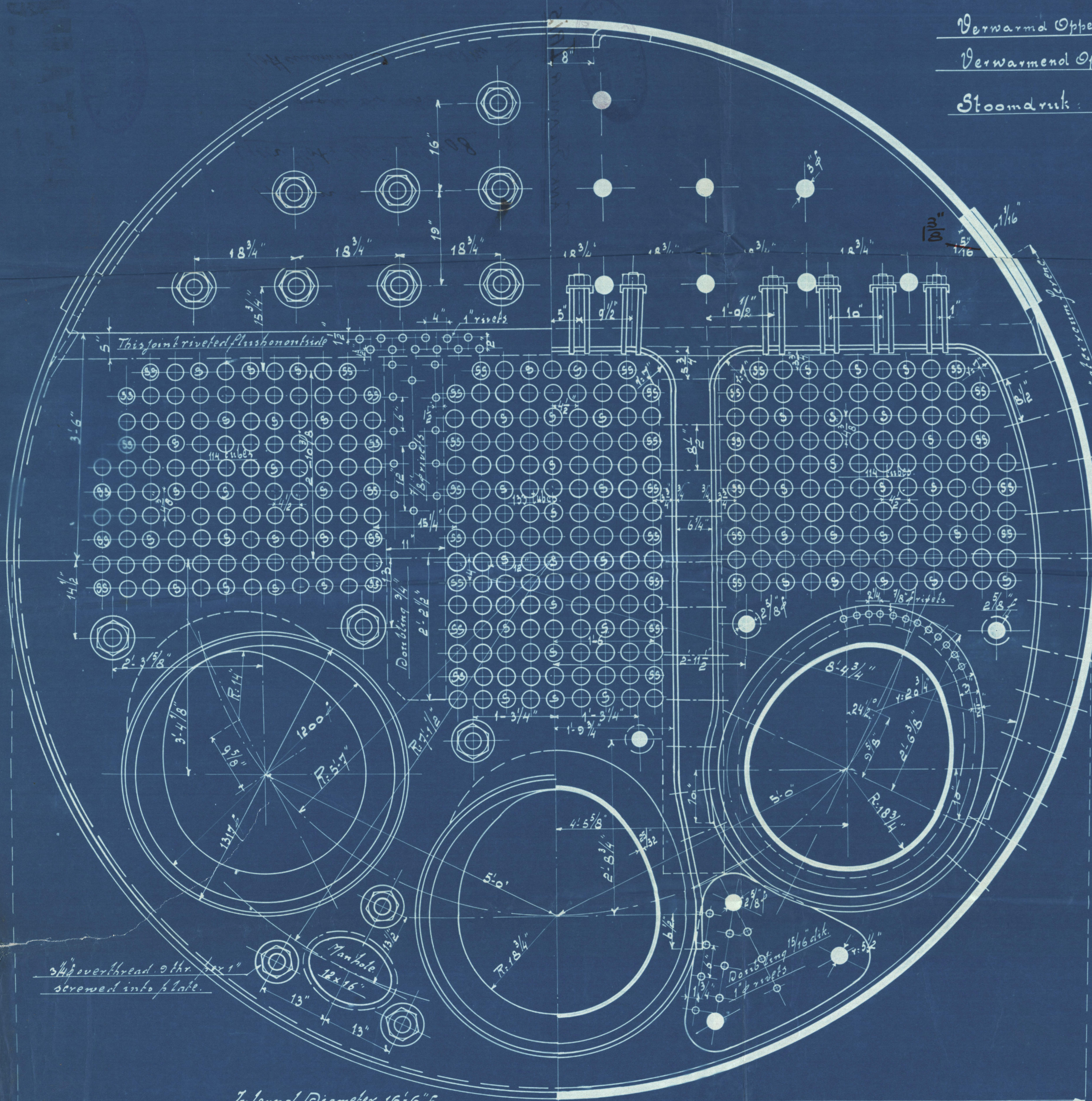
361 Tubes $\frac{3}{4}$ " outside 7'-8" over plates	2354.000
3 Furnaces	167.5
3 Fire boxes	245.7
Total Heating Surface	2768
Grate 4'-6" x 3'-11 1/4" x 3	53.1
Water Surface by 8" on top of fire box	156.2
Steam Space	455.6
Area through Tubes	16.794
Ratio grate to heating surface	1:52
" " " tube	1:44.3
" " " water	1:2.94
" " " area thro' tubes	1:0.315
" heating surface to tube surface	1:0.8375
Weight of boiler (bare)	
Weight of water in boiler in kg.	30700



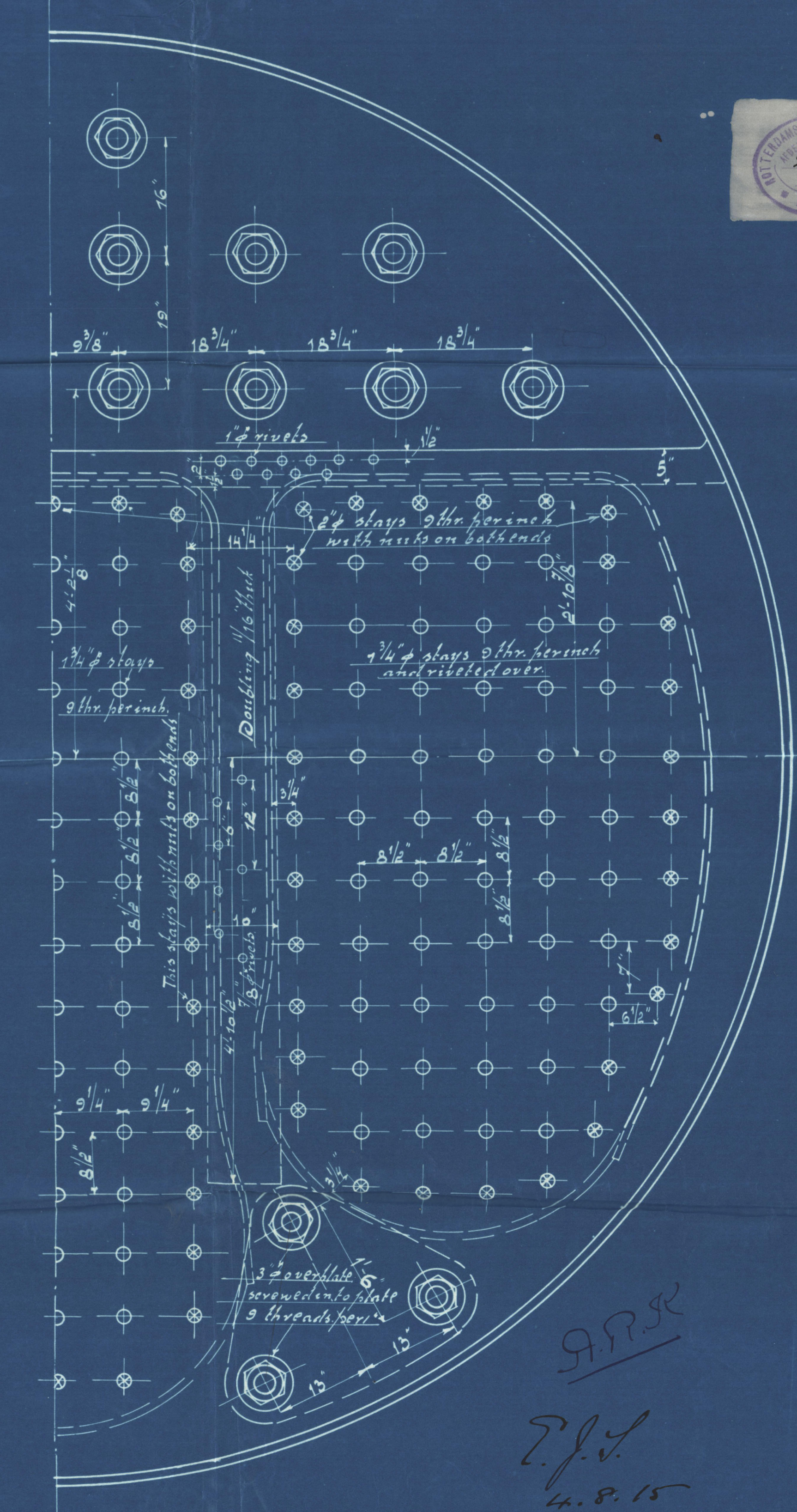
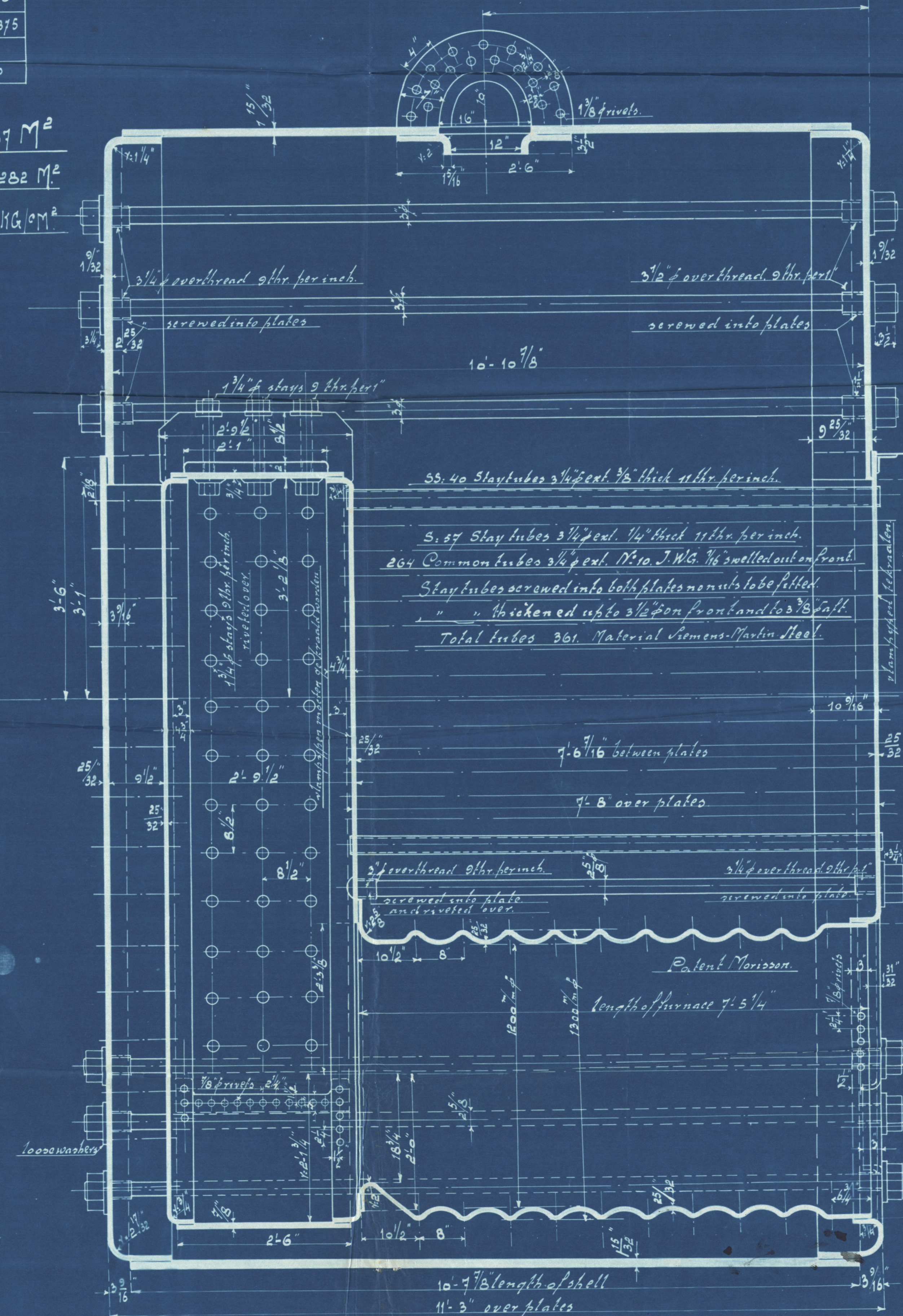
Material = Siemens Martin Steel.

Tensile Strength and Elongation			
Shell, manhole, Girders plates	28-32 tons	with	20% elongation on 8" length
Built straps	"	"	"
End plates	26-30 tons	"	25%
Furnaces	26-30	"	25%
Stays (longitudinal)	28-32	"	20%
Combustion Chamber plates and stays	26-30	"	25%
Trunks	26-30	"	25%

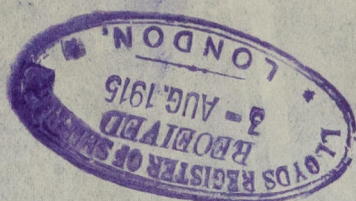
Per ketel 12 stuks zinkplaten tussen de pijpen hangen.  
Zinkplaten te maken 12" x 6" x 1"



Overwarm Oppervl. 257 M<sup>2</sup>  
Overwarmend Oppervl. 282 M<sup>2</sup>  
Stoomdruk: 14,061 KG/CM<sup>2</sup>



EXP 988. 2460.



TANK STEAMER, "IRIS"

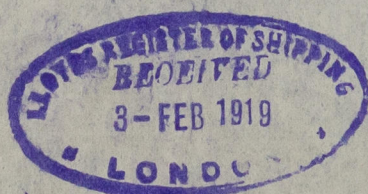
~~Rotterdam~~ report N<sup>o</sup> 10718 <sup>6</sup>

Mann barbers

Gebr. Pot. & Haro N<sup>o</sup> 408

to be insured by the

Rotterdamse Dooigade N<sup>o</sup> 1



RETAIN

Lloyd's Register

W1280-0038 1/2

Rotterdamsche Droogdok Maatschappij.

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For Enclosure to

*Lloyd's Register  
Rotterdam.*

Date

*28/7/15.*

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