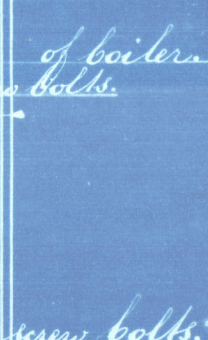
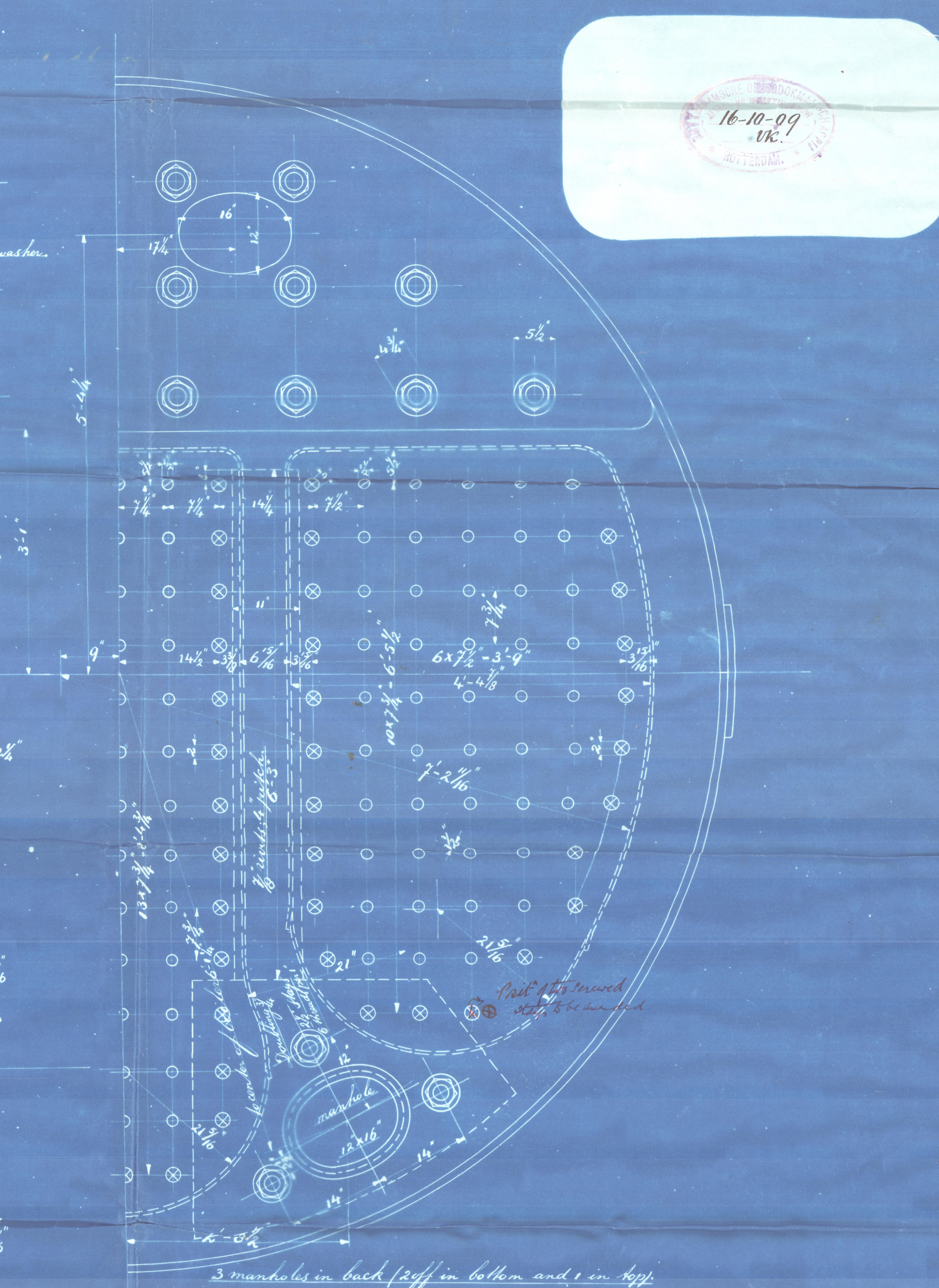


247 tubes 3 $\frac{1}{2}$ " outs. x 6'-9 $\frac{1}{2}$ "	1574 $\phi$
"                    "	132 "
fire boxes	200 "
"                    "	1906 "
grate 3'-5 $\frac{3}{8}$ " x 5'-10"	60 "
water surface b'y 2" on top fire box	125 "
steam space	340 cu. ft.
area through tubes	13.6 $\phi$
ratio grate to H. S.	31.7
" " " tube surface	26.2
" " " water	3.09
" " " area through tubes	0.23
weight of boiler (bare)	33653 lbs.
" " " water pa. boiler	21075 "
ratio H. S. to tube surface	0.826



Material of shells, ships and girders	20-32 tons	Self Steel	20 <sup>2</sup>	elongation on 8" length
" funnels	22-25 "	" "	25 <sup>2</sup>	" " " 8 "
" rest of plates	26-30 "	" "	23 <sup>2</sup>	" " " 8 "
" rivets	26-30 "	" "	25 <sup>2</sup>	" " " 8 " diam.
combustion chamber stays	26-30 "	" "	23 <sup>2</sup>	" " " 8 "
longitudinal stays	20-32 "	" "	20 <sup>2</sup>	" " " 8 "



3 manholes in back (2 off in bottom and 1 in top).

O 1 1/2" stays screwed 9 thru's per " into the plates and riveted over.

S 1 1/2" " " 9 " per " " " with nuts both in and outside

X 2" " " 9 " per " " " " " " " "



S.S. „Moordrecht“  
Main boiler  
Port of Rotterdam  
Report No. 665<sup>b</sup>



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