

20.11.07

STEEL BOILER N° 544

Note!

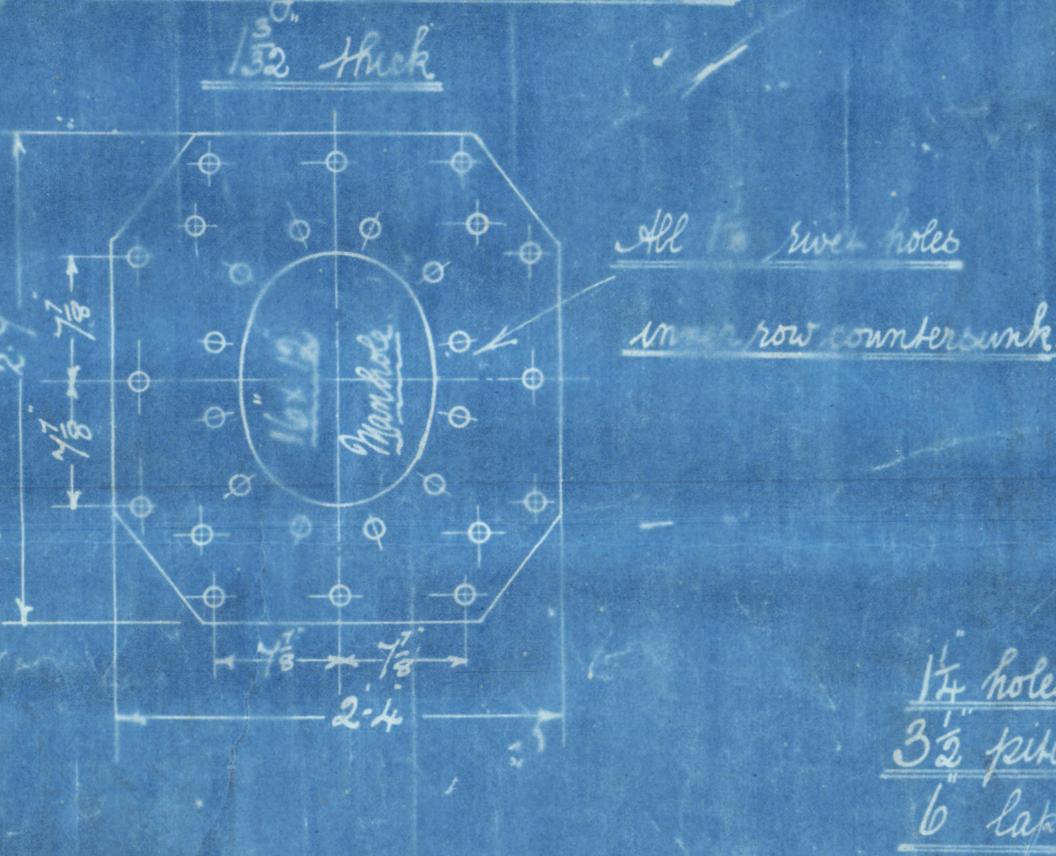
All plates stays & rivets to be of Siemens Martin Steel.

All rivet holes throughout the boiler to be drilled in place after

the plates are bent. All flanged plates to be annealed after forging.

The screw stays are $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$, effective diam screwed into both plates and nutted at each end. Screwed 10 threads per inch.The tubes are of iron. The ordinary tubes are $3\frac{1}{2}$ each diam. \times No. 8 L.S.G. Thick. The stay tubes are $2\frac{1}{4}$ int diam $\times \frac{5}{16}$ thick effective screwed at ends to $3\frac{1}{4}$ $\times 3\frac{1}{2}$ diam 10 threads per inch.A manhole in shell $16\frac{1}{2}$ with shorter axis longitudinally and a doubling plate $2\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{32}$ thick fitted round it.

Doubling Plate round Manhole



Shell 1 1/2 inch

Bullnose { Inside $16\frac{1}{2}$ $\times 1\frac{1}{32}$ Thick

28 to 32 tons

Tensile strength

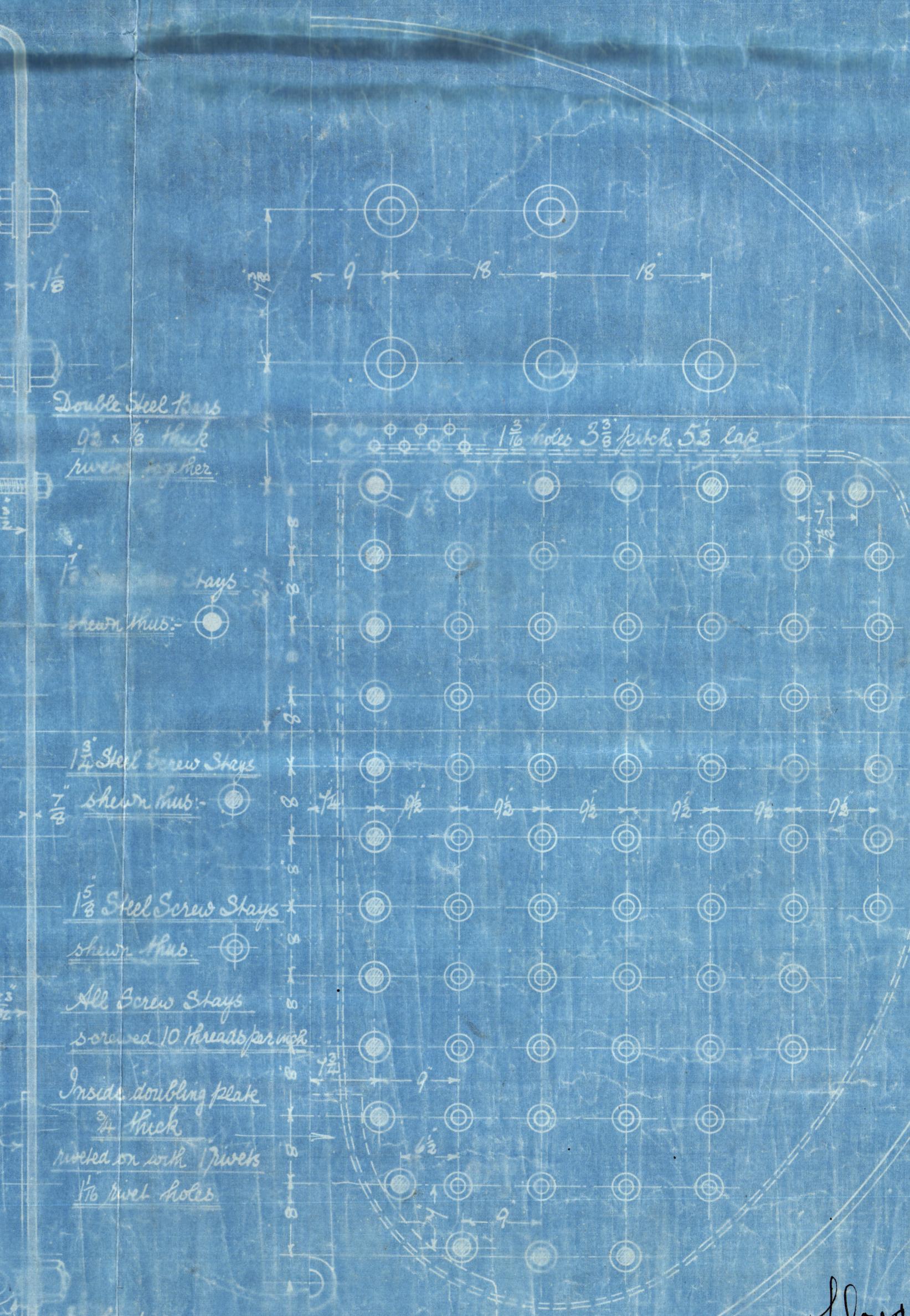
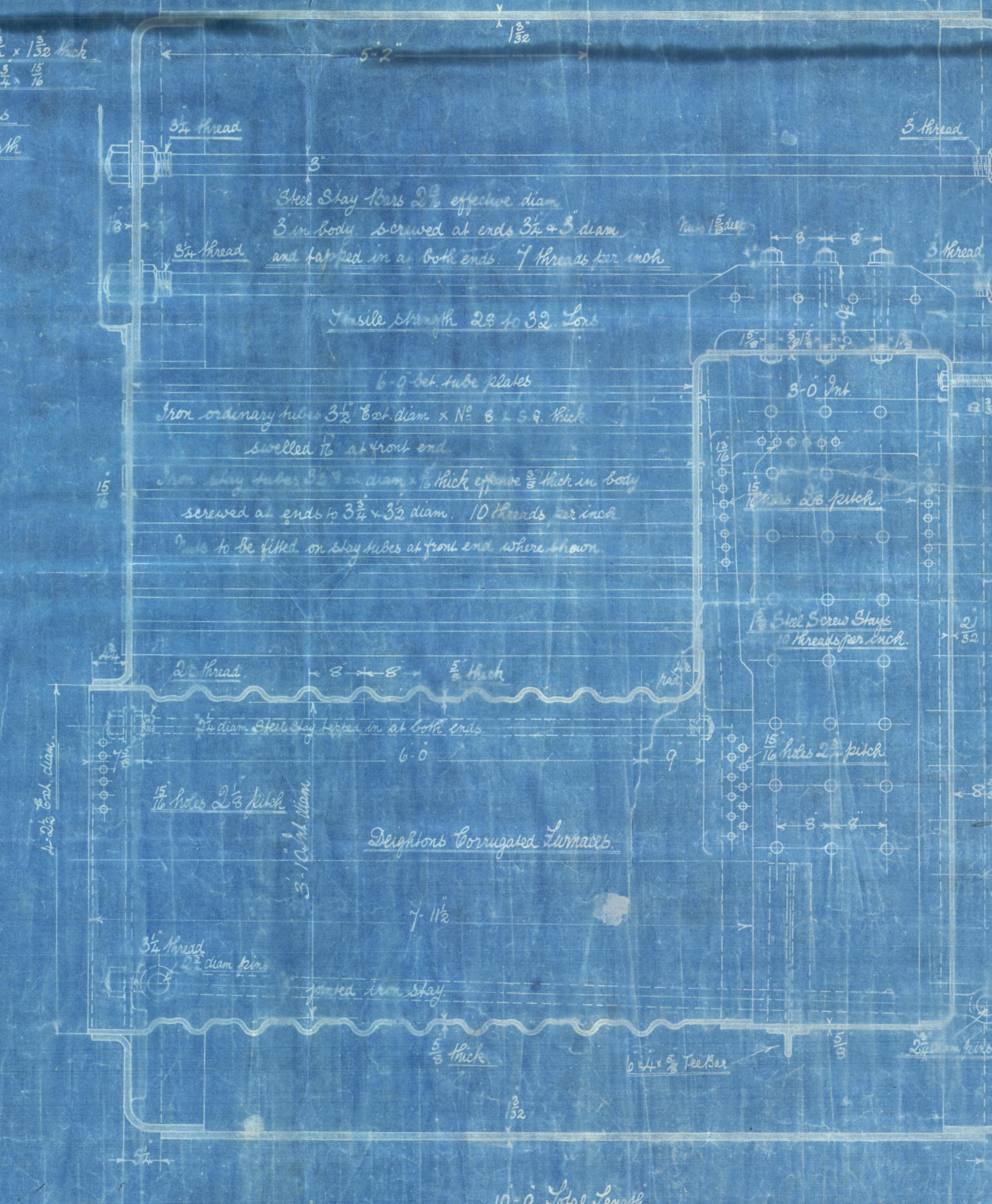
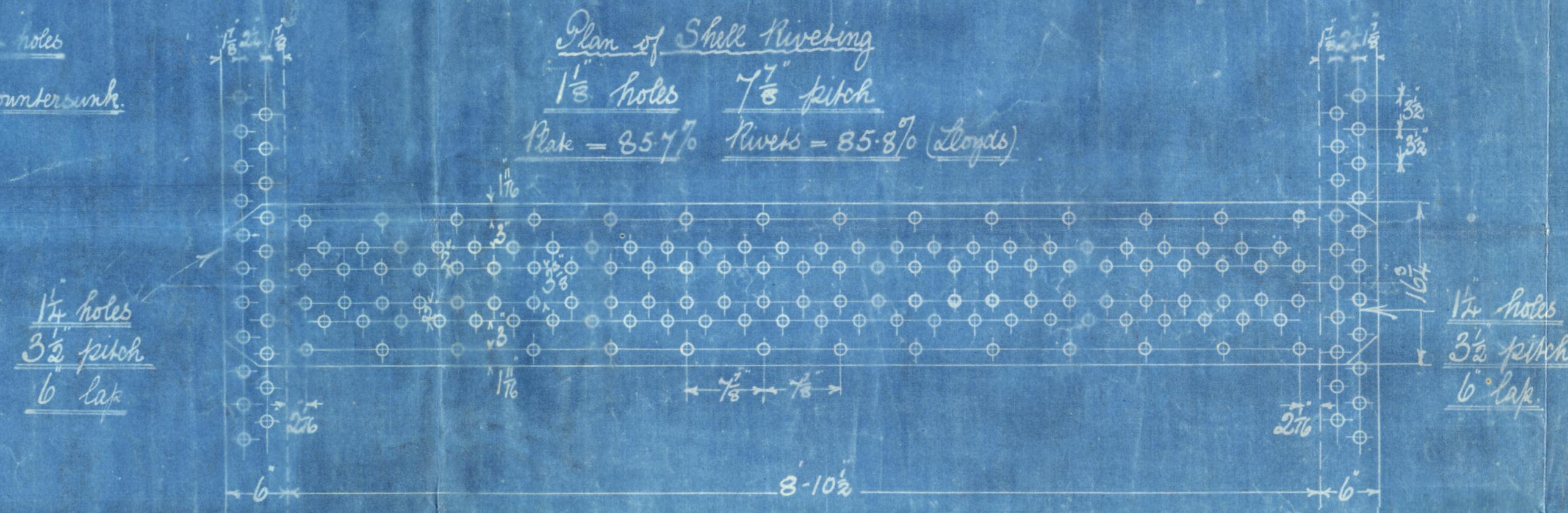


Working Pressure = 180 lbs per square inch

Scale 1 inch = 1 foot

DIMENSIONS

LENGTH OF FIRE BARS	4-9'
AREA OF FIRE GRATE	36 ft ²
DIAM OF TUBES OUTSIDE	3 1/2"
LENGTH OF TUBES	Set plates
N° OF TUBES	202
AREA THROUGH TUBES	10 ft ²
SURFACE OF TUBES	1250 ft ²
TOTAL HEATING SURFACE	1500 ft ²
WORKING PRESSURE	180 lbs

Lloyd's Regis
for Shipping

19 Nov 1902

Hull

No. 544

W85J-0038

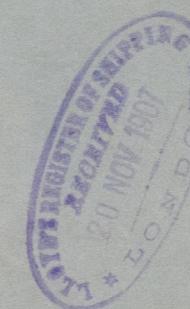
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N° 544

Boiles,
for
Messrs Earles &^{os}
No 544
Sc. & New Crown
Sue Report No 19968

No 1634
Lloyd's Test
360 lbs
17.3.08
J. B.



RETAIIN

W85J-0038



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