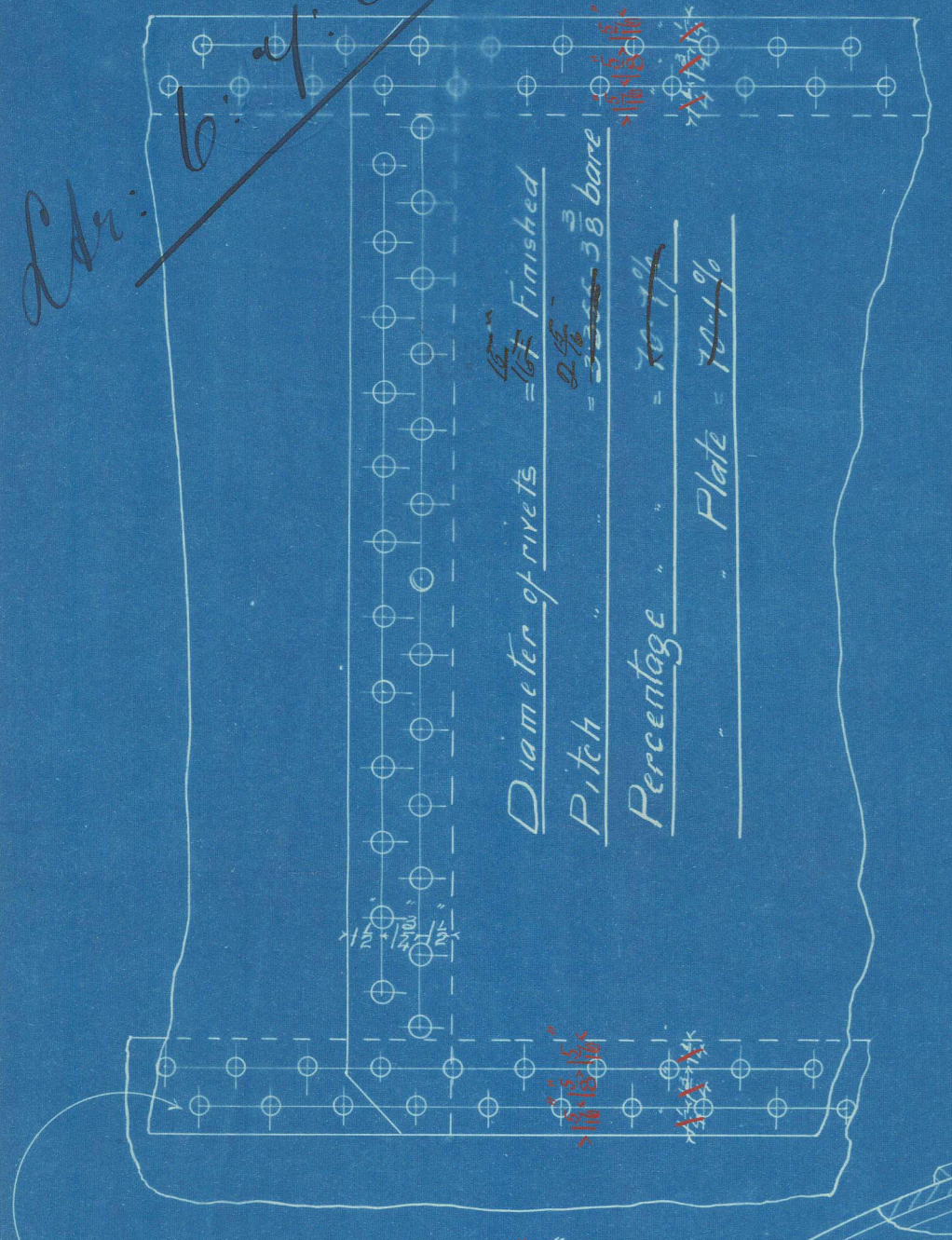
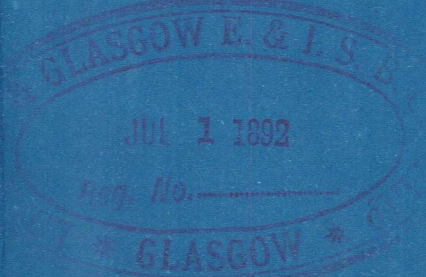
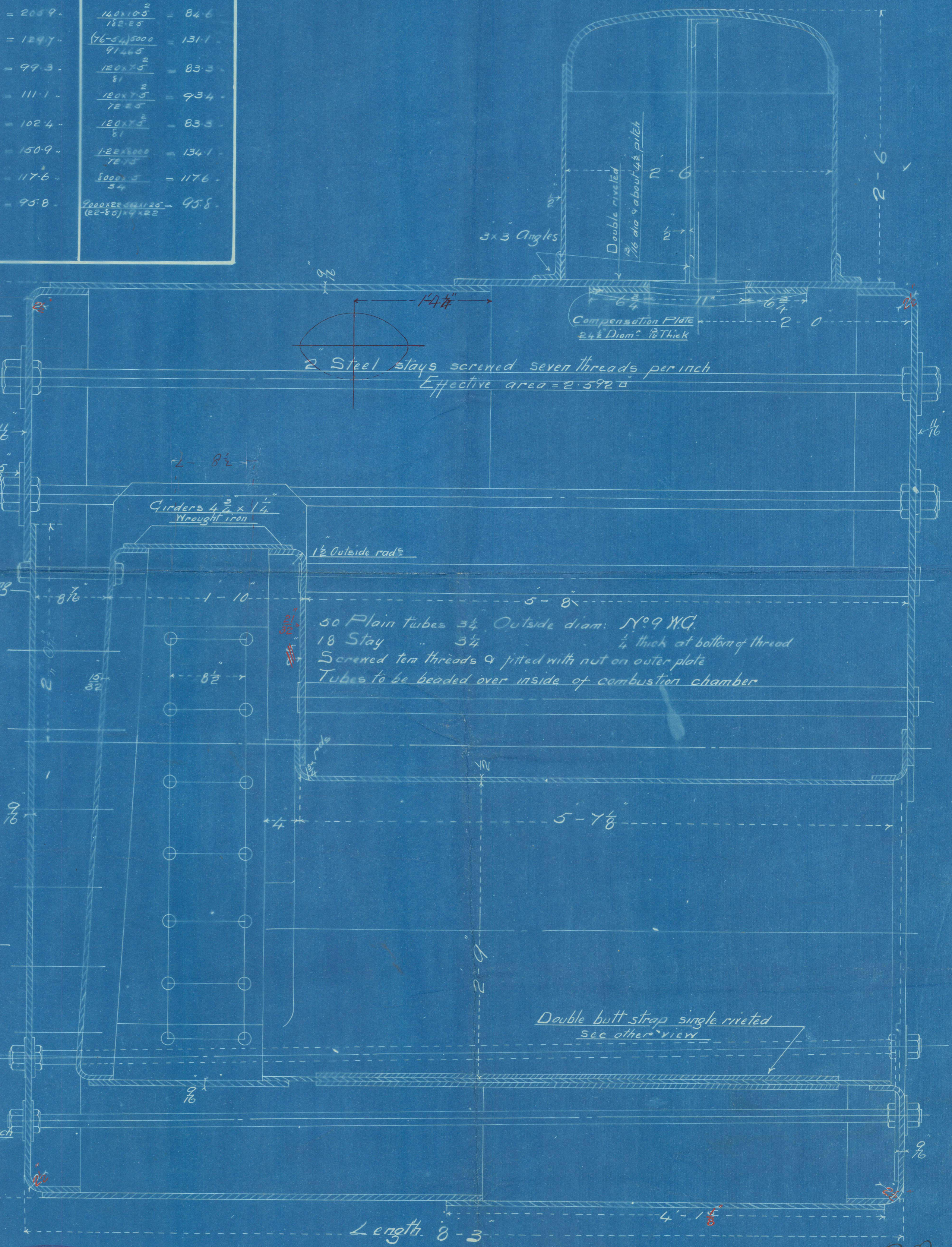
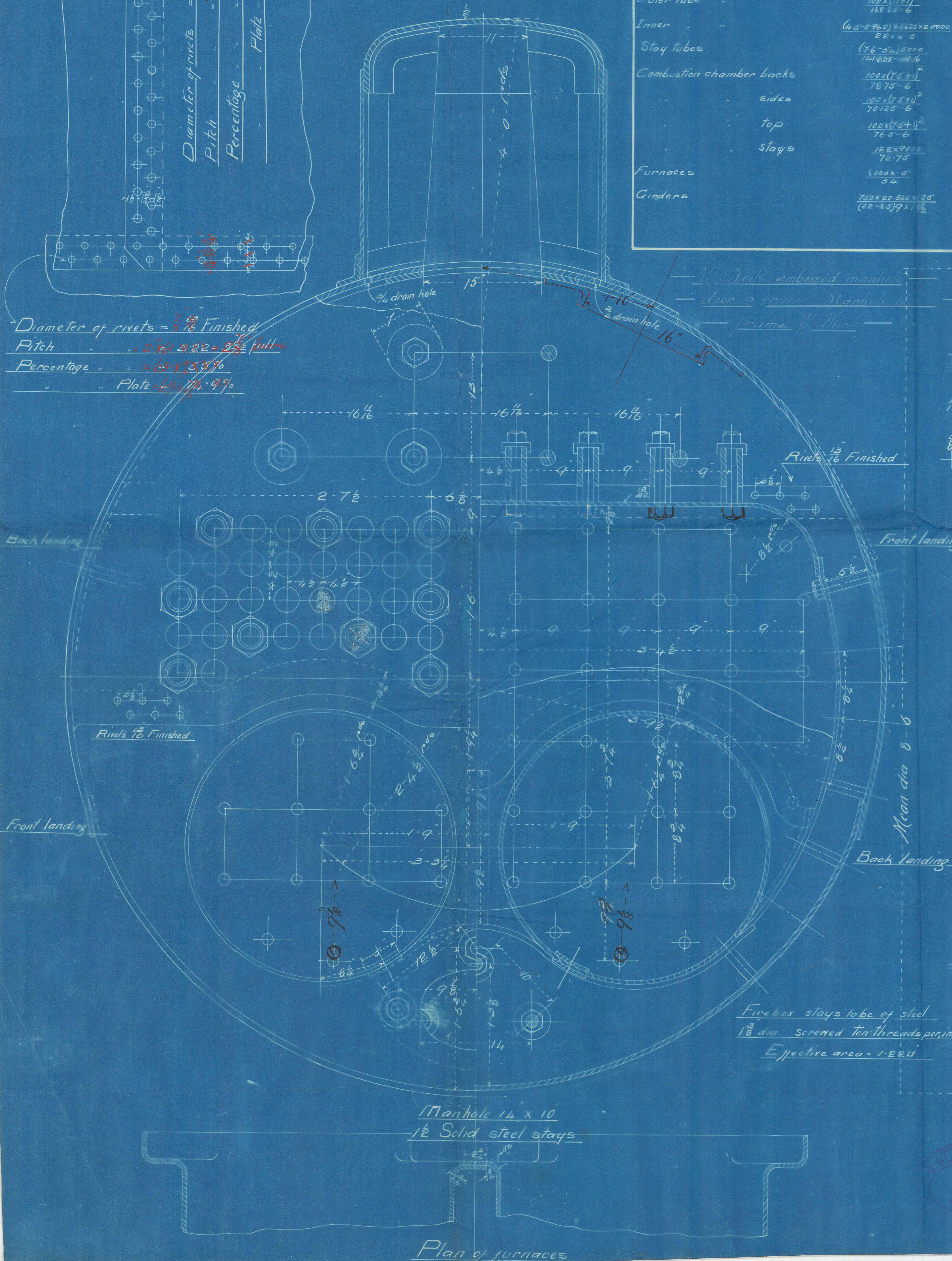


Dr: 6.1.92

Rivet section	Board of Trade	Lloyds
Plate	$\frac{100 \times 23 \times 7164 \times 2 \times 1 \times 5 \cdot 2}{5 \times 2 \times 3 \times 355 \times 5625} = 71.1\%$	$\frac{2 \times 7654 \times 55}{3 \times 355 \times 5625} = 70.7\%$
Circumferential shell	$\frac{100(3.355-1)}{3.355} = 70.1\%$	$\frac{100(3.355-1)}{3.355} = 70.1\%$
End upper plates	$\frac{6496 \times 79 \times 14 \times 125}{100 \times 5 \times 102} = 96.51\%$	$\frac{2 \times 5 \times 365 \times 70 \times 1}{102} = 83.11\%$
plate stays	$\frac{125 \times 11^2}{216 \times 9375} = 80.3$	$\frac{165 \times 11^2}{16 \times 675} = 50.3$
Outer tube	$\frac{2 \times 592 \times 9000}{216 \times 9375} = 107.5$	$\frac{2 \times 592 \times 9000}{216 \times 9375} = 107.5$
Inner	$\frac{100 \times (1+1)^2}{162 \times 25} = 83.4$	$\frac{130 \times 11^2}{162 \times 25} = 86.3$
Stay tubes	$\frac{(45 \times 965) \times 5425 \times 2 \times 0000}{22 \times 4 \times 5} = 208.9$	$\frac{140 \times 10 \times 5}{162 \times 25} = 84.6$
Combustion chamber backs	$\frac{(76 \times 54) \times 5000}{144 \times 625 \times 10} = 124.7$	$\frac{(76 \times 54) \times 5000}{91 \times 625} = 131.1$
sides	$\frac{100 \times (7.5+1)^2}{76 \times 75} = 99.3$	$\frac{100 \times 7.5^2}{81} = 83.3$
top	$\frac{100 \times (7.5+1)^2}{76 \times 75} = 111.1$	$\frac{100 \times 7.5^2}{72 \times 8.5} = 73.4$
Stays	$\frac{100 \times (7.5+1)^2}{76 \times 75} = 102.4$	$\frac{100 \times 7.5^2}{61} = 83.3$
Furnaces	$\frac{122 \times 9000}{72 \times 75} = 150.9$	$\frac{122 \times 9000}{72 \times 75} = 154.1$
Girders	$\frac{5000 \times 5}{34} = 117.6$	$\frac{5000 \times 5}{34} = 117.6$
	$\frac{750 \times 22 \times 562 \times 125}{(22 \times 5) \times 9 \times 14} = 95.8$	$\frac{2000 \times 22 \times 562 \times 125}{(22 \times 5) \times 9 \times 14} = 95.8$



Diameter of rivets = 1 1/2 Finished
Pitch = 3 1/2
Percentage = 90%
Plate = 1/4"



N.A.
5.7.92

sollo pressure

STEEL DONKEY BOILER

No 272

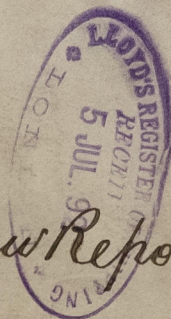
SCALE 1 1/2" = 1 FOOT

Lloyd's Register
Insurance

Lon & Glas. N^o 272
Donkey & Miller

Dr. Mr. Press

S. S. "Colony" Glasgow Report 12432



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