

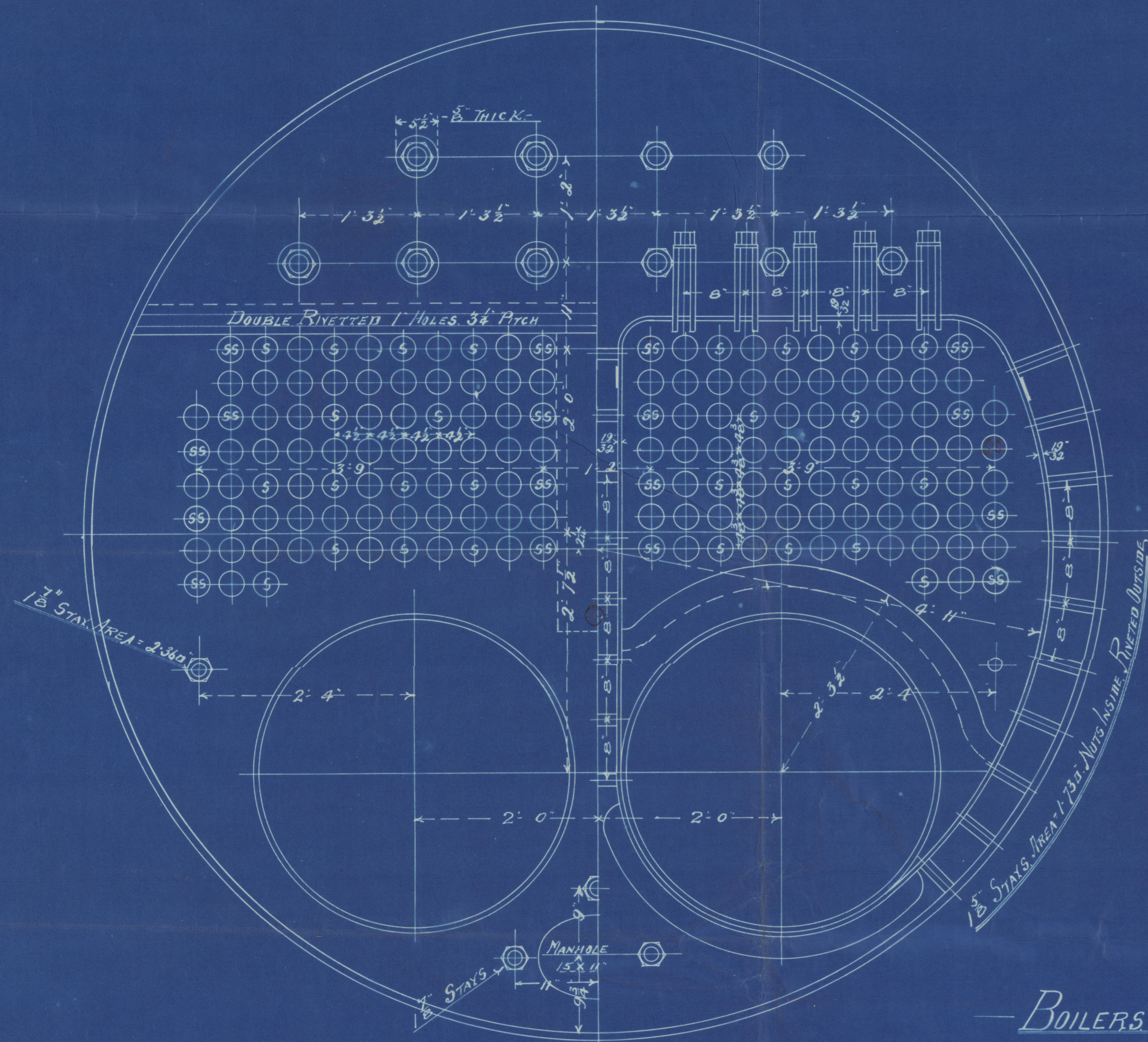
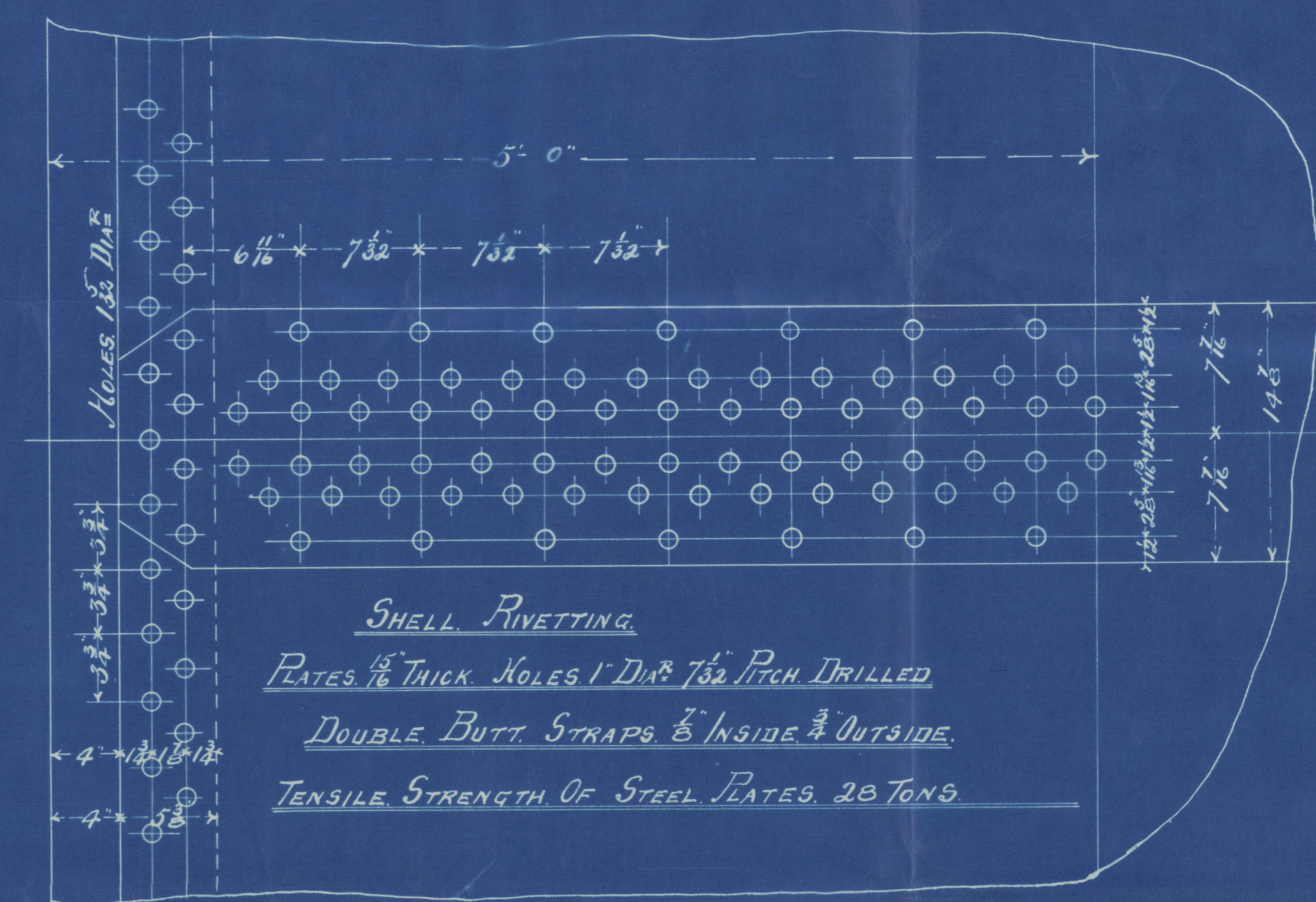
Four multi Steel Tubes by Messrs Anderson & Lyall
for Mess Mackie & Thomson's Co.

180 lbs working pressure

Plates $7.031 \times 100 = 86$
Rivet $2.5 \times 7.812 \times 1.41 \times 85 = 887$
Steel $29 \times 21 \times 56 \times 18 = 1874$
Stays $50 \times (20 \times 7.5 - 44) = 1500$ each - $140 \times 22 = 1500$
Coulter $135 \times 16 = 199$
Trunk $15 \times 9 \times 1 = 141$
Stays $1.5 \times 5000 = 2031$
Girders $9000 \times 2.5 \times 2.5 = 2226$
GL5283-0063 (1/2)

End top $1.5 \times 15 = 191$
Stays $8 \times 2 \times 10000 = 243$
Front bar $140 \times (13 \times 5) = 232$
Back - $140 \times 22 = 1500$
Nucleus $135 \times (12 \times 5) \times 3 \times 11$
Stays $226 \times 1000 = 22916$
GL5283-0063 (1/2)

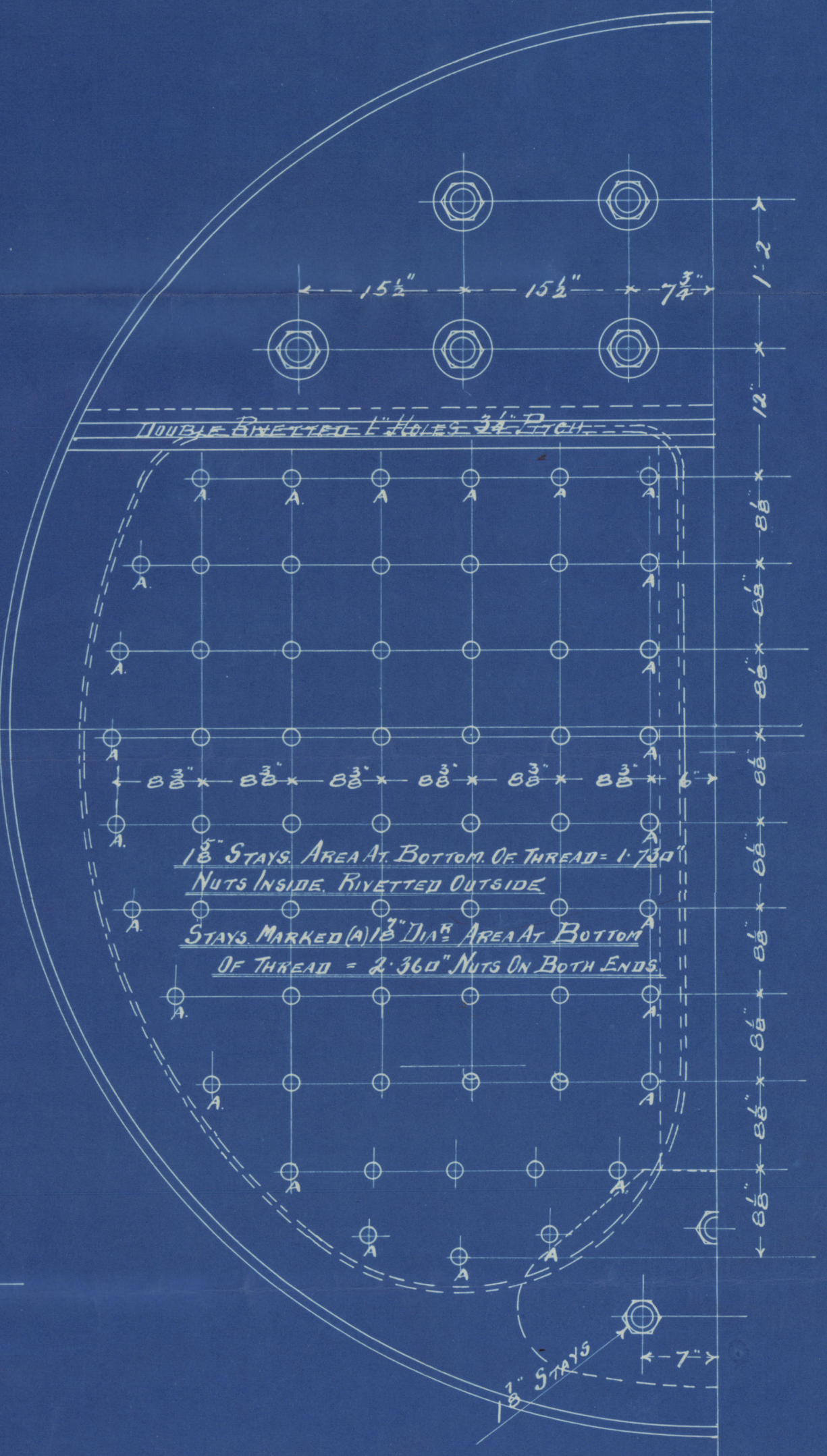
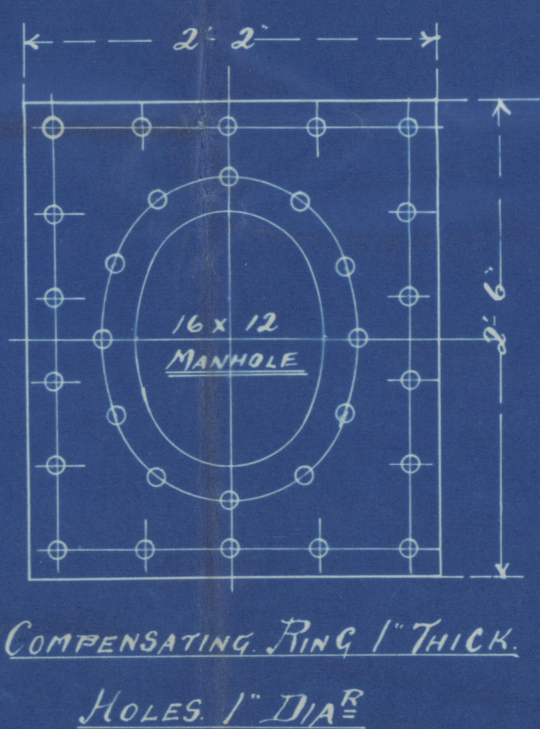
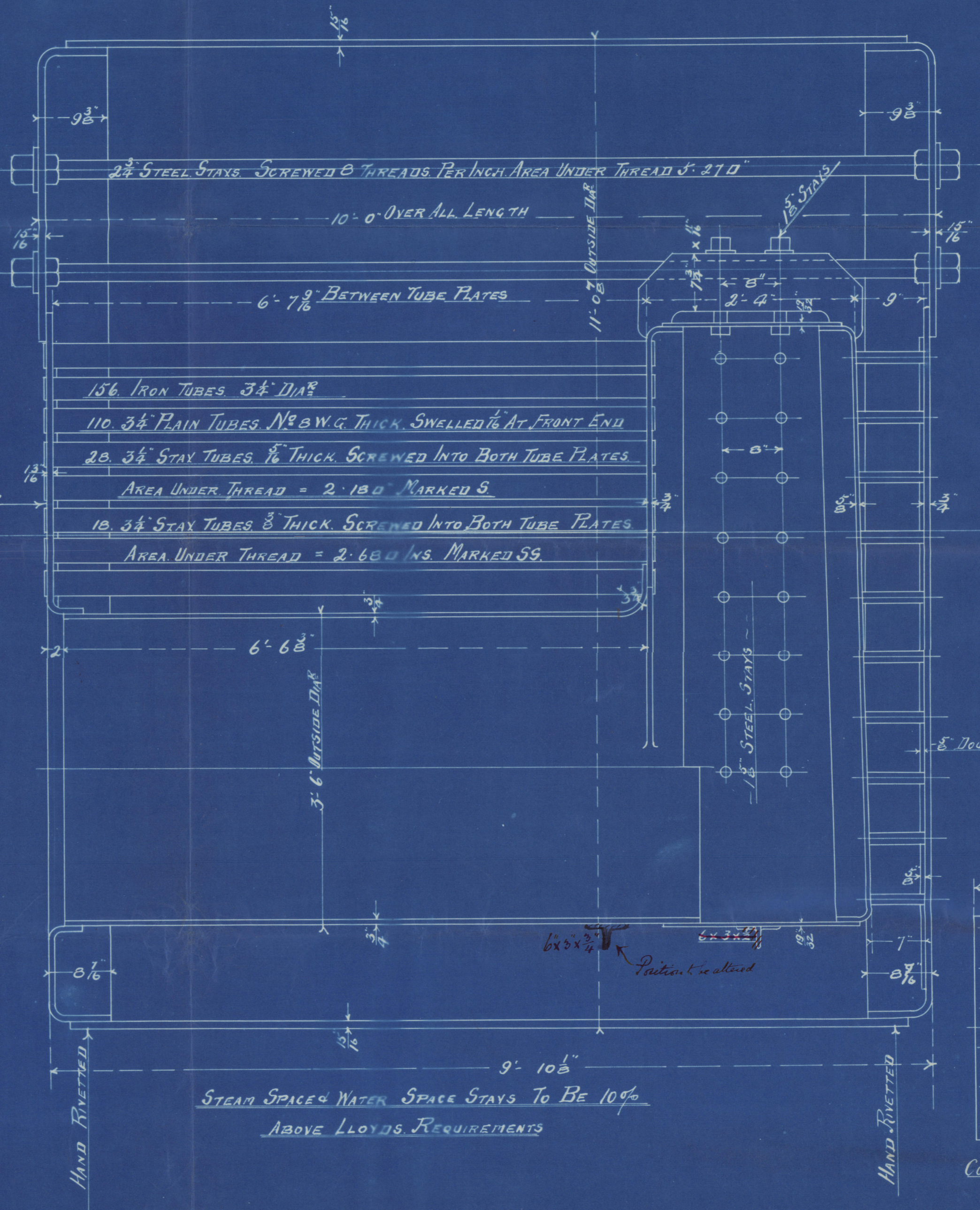
AM
14.2.99



work
14th Feb 1899

BOILERS N° 379-80-1-2

WORKING PRESSURE 180 LBS PER SQ INCH
PLATES RIVETS & STAYS OF STEEL TUBES OF IRON
TO PASS LLOYDS SURVEY
SCALE 1 INCH = 1 FOOT



16.2.99



Muller & Steil Mann Bolcis
(N^o 379-80-1-2)

by

Anderson & Dyall

for
Inventors of Nos 17-18-19-20 Kessels
~~Muller & Steil Mann Bolcis~~

180 lbs^o working pressure

Glasgow

Rpt No 17453	s/s	"Active"	N ^o 17
Do 17454	s/s	"Eclipse"	N ^o 18
	s/s		N ^o 19
	s/s		N ^o 20



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GLS283-0063