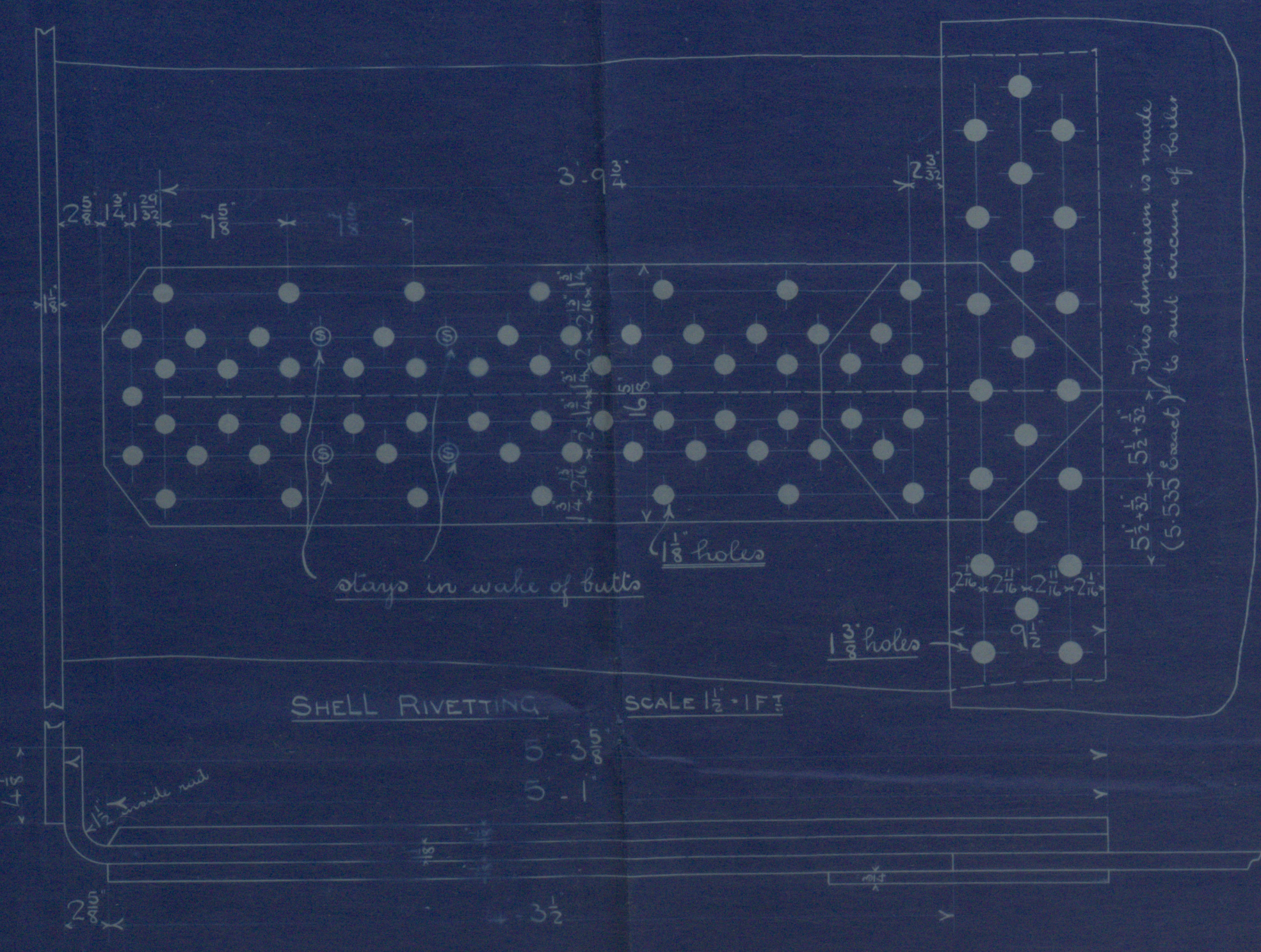


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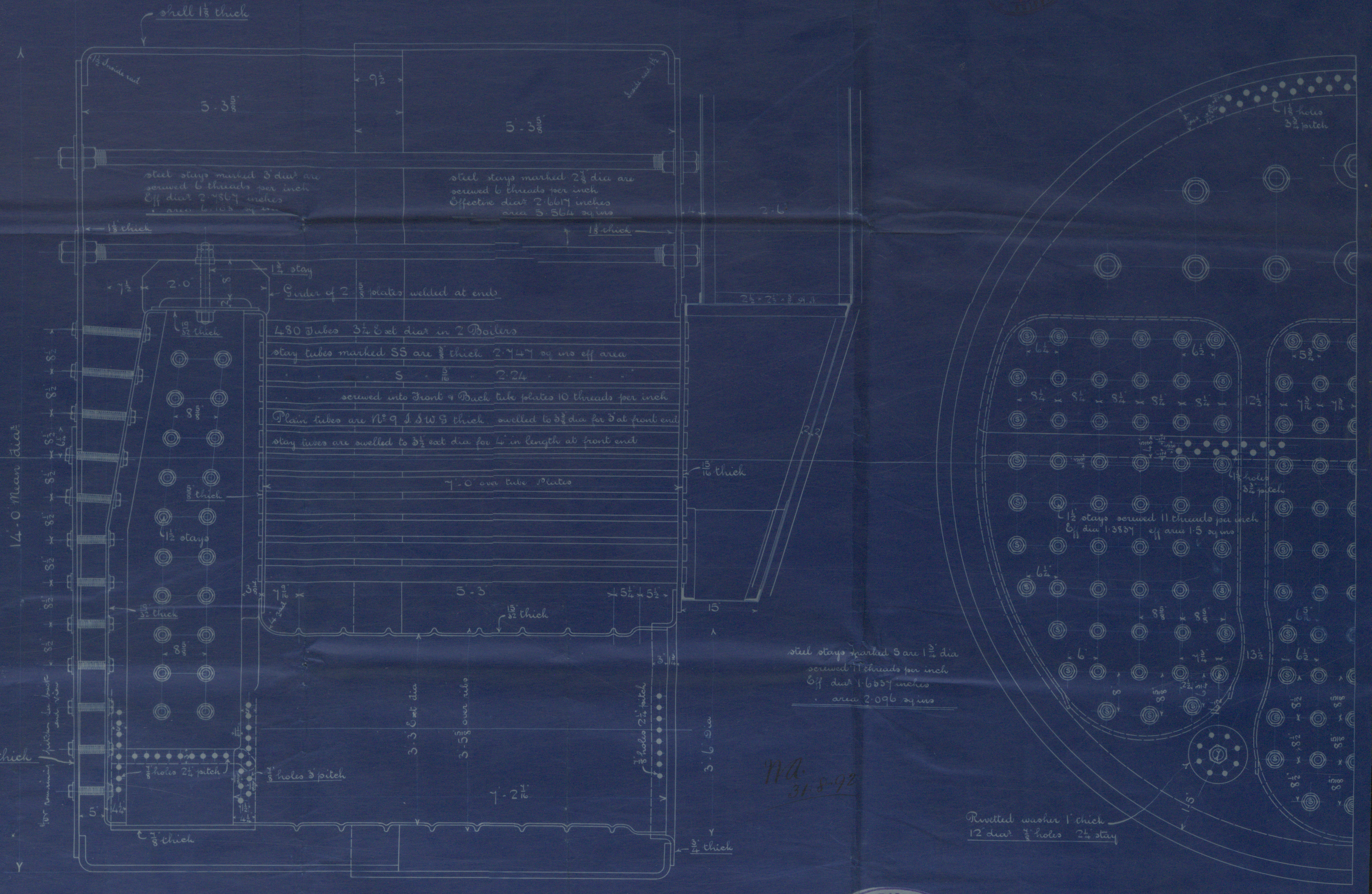
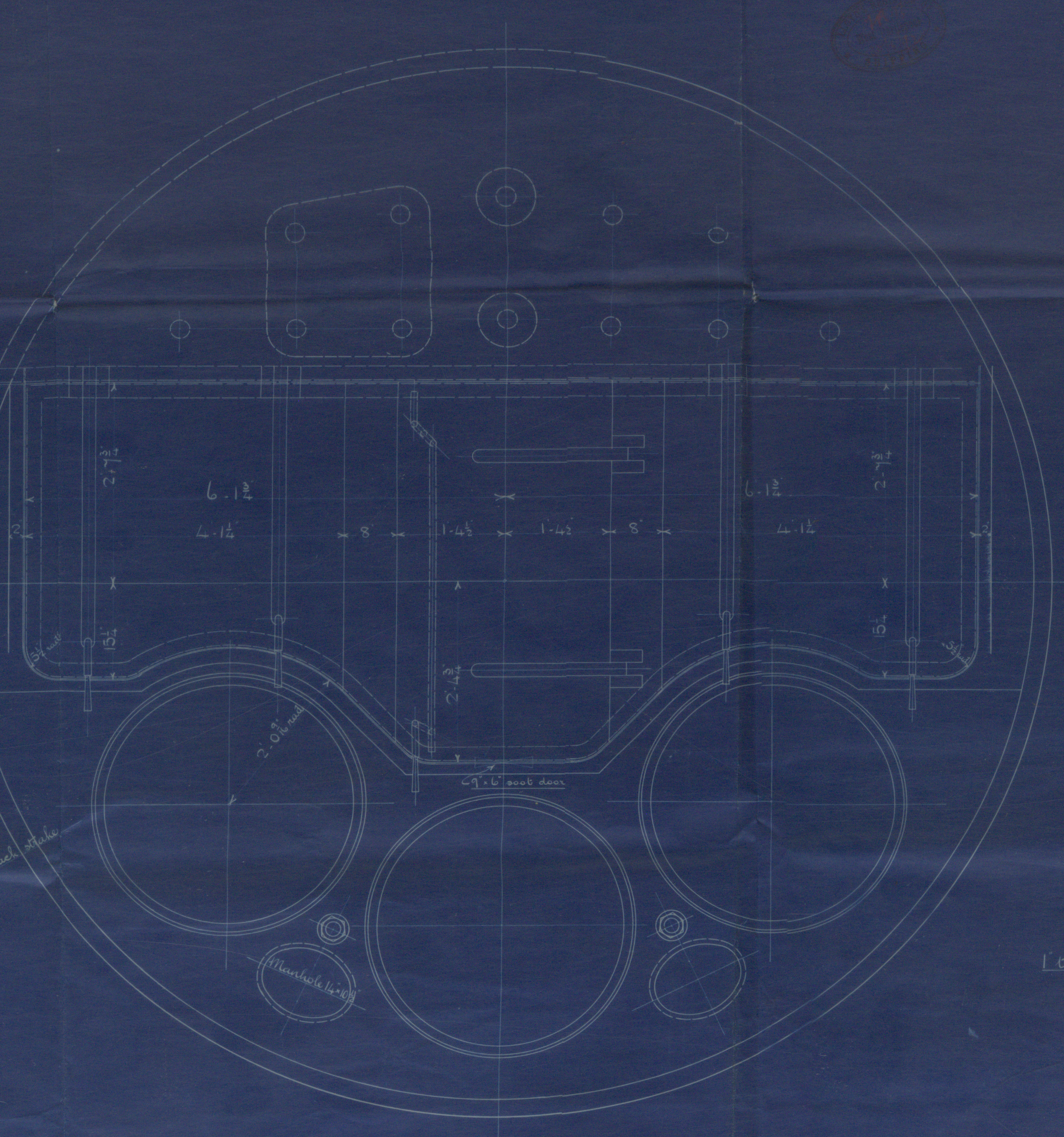
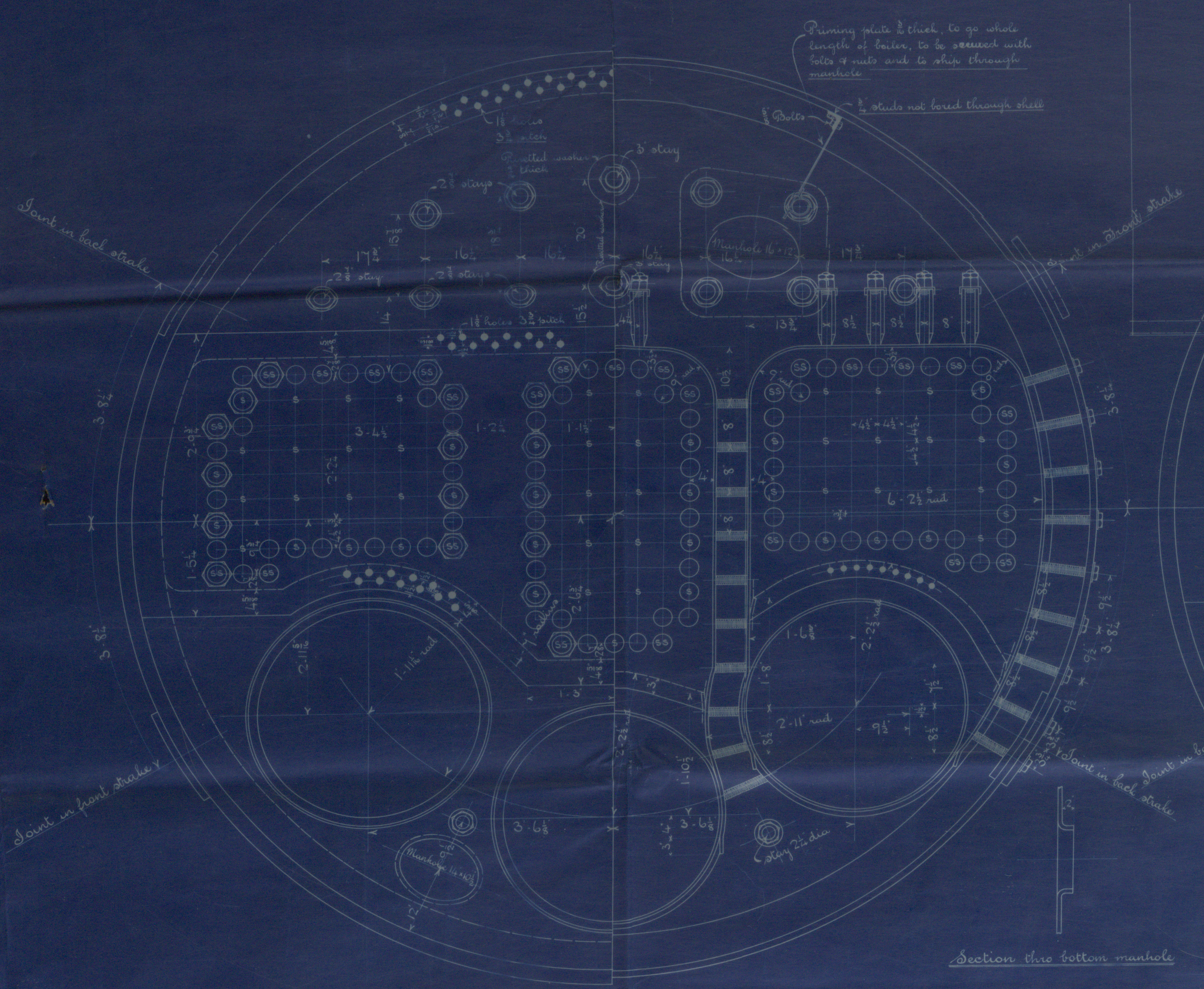
STEEL BOILERS N°152

WORKING PRESSURE 160 LBS TO LLOYDS NEW RULES 1892

SCALE 1"=1'0"

11-6-92 N° 461

Steel Boilers N°152 S.S. 1161					
2 BOILERS 14'-0" MEAN DIA 10'-0" LONG 160 LBS PRESS TO LLOYDS SHELL 1 1/2" THICK 1 1/2" HOLES 7 1/2" PITCH					
PLATE	P - D P	7'-6 1/2" - 1'-12 1/2" 7'-6 1/2"	✓ 85.24%	B.T.P COMPRESSION RULE	1600(D-d) t W x D 1600(4.5-2.942) x 10 31.5 x 4.5 173.6
RIVETS	a x N x 1/2 x 3/4 P x C	29.4 x 5 x 1/2 x 3/4 7'-6 1/2" x 1'-12 1/2"	✓ 86.18%	CIPERS	c x d x t (L-P) x d x t 1600 x 8 x 1/2 (24-8.625) x 24 x 8.5 ✓ 168.3
SHELL	c(t-2) x 1/2 D	20(18-2) x 85.24 14 x 12	✓ 162.3	BROWNS FURNACES	c(t-2) D 1600(4.5-2) 39 ✓ 163.5
FRONT AND BACK TOPS	c x t P	200 x 18 20	✓ 162	MAIN STAYS	c x a surf support 9000 x 6 x 103 16.25 x 20 ✓ 169
do		178 x 18 18.75	✓ 161.2		9000 x 6 x 103 16.25 x 20 ✓ 164.3
FRONT TUBE PLATE		150 x 15 14.25	✓ 166.2	SCREW STAYS	9000 x 2 x 106 13.5 x 8.5 ✓ 164.3
BACK BOTTOM		135 x 16 13.5 220 x 16 22.0	✓ 189.6		8000 x 1.5 8.625 ✓ 161.3
COMB CHAM BACK TUBE PLATE		135 x 9.5 8.625 140 x 10 9	✓ 163.78 ✓ 172.8	STAY TUBES	7500 x 2.24 9 x 9 ✓ 207.4
HEATING SURFACE IN 2 BOILERS = 3500 S.F.					



N°152



2 Main Boilers
160 lbs

Central Machine Eng Works
N^o 15-2

W Gray & Co S. S N^o 461
W. H. P.

N^o 2346
Lloyds Test
320 lbs
30.1.93
T. R. B.

S. S. "Adjutant"
W. H. P. Report No. 9128

HPL 370-0083



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Lloyd's Register
Foundation