

3 STEEL BOILERS N^o 580

9/2/11

Working Pressure = 180 lbs (200 lbs)

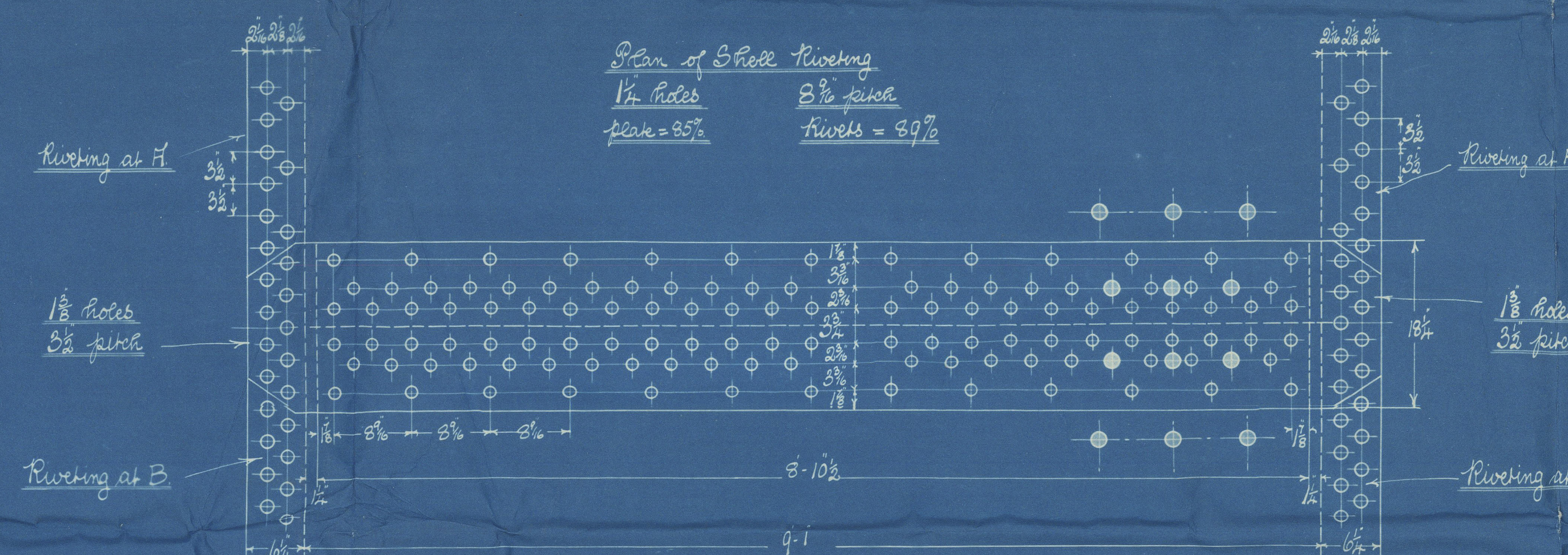
Scale 1 inch = 1 foot

Note:
The plates, rivets and stay bars to be of Siemens Martin steel.
The rivet holes to be drilled in place after the plates are bent.
The flanged plates to be annealed after flanging.
The screw stays are 1 1/2" dia. x 1/2" of diam. screwed into both plates & nutted at bottom (screwed 10 threads per inch).

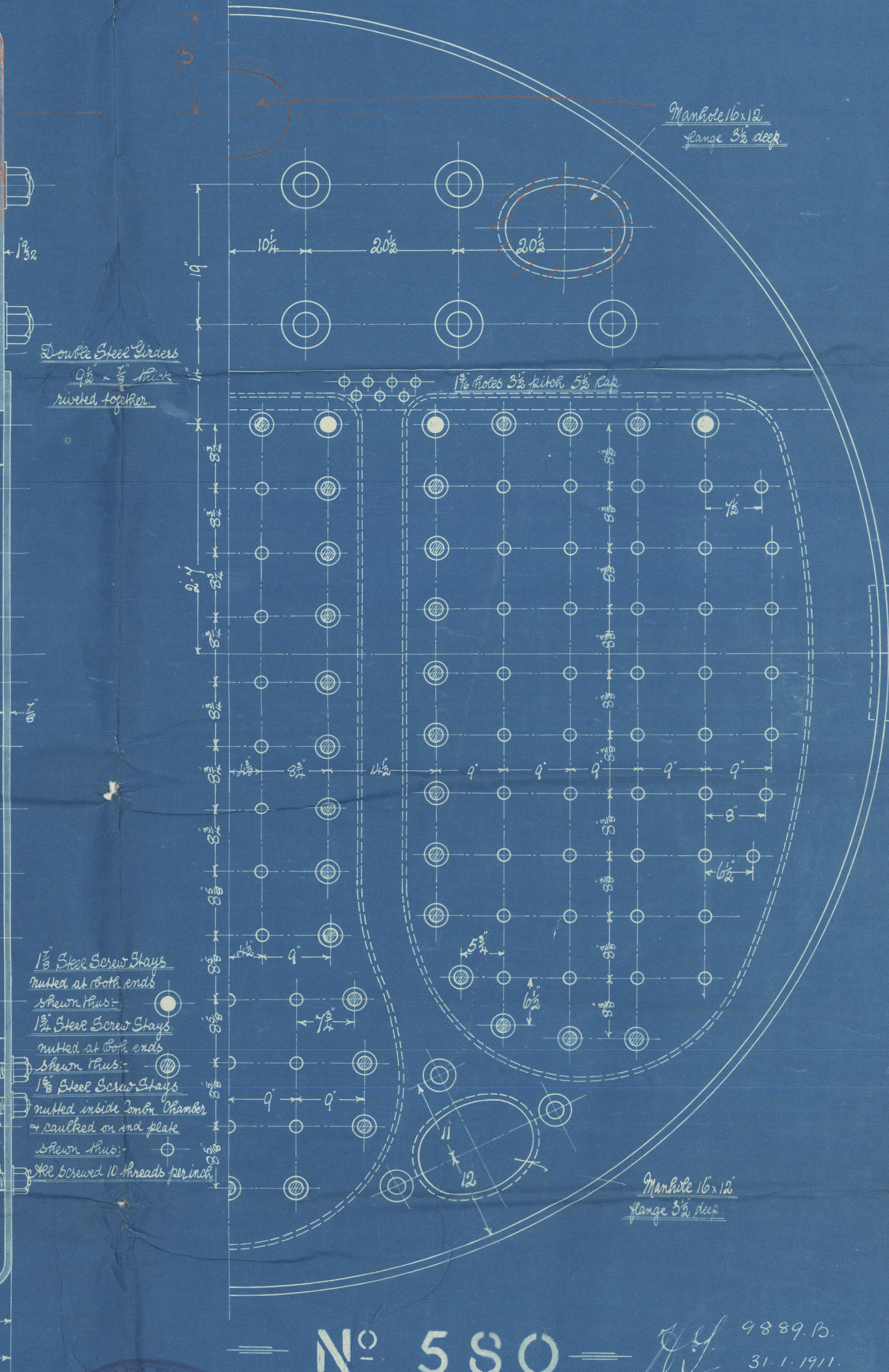
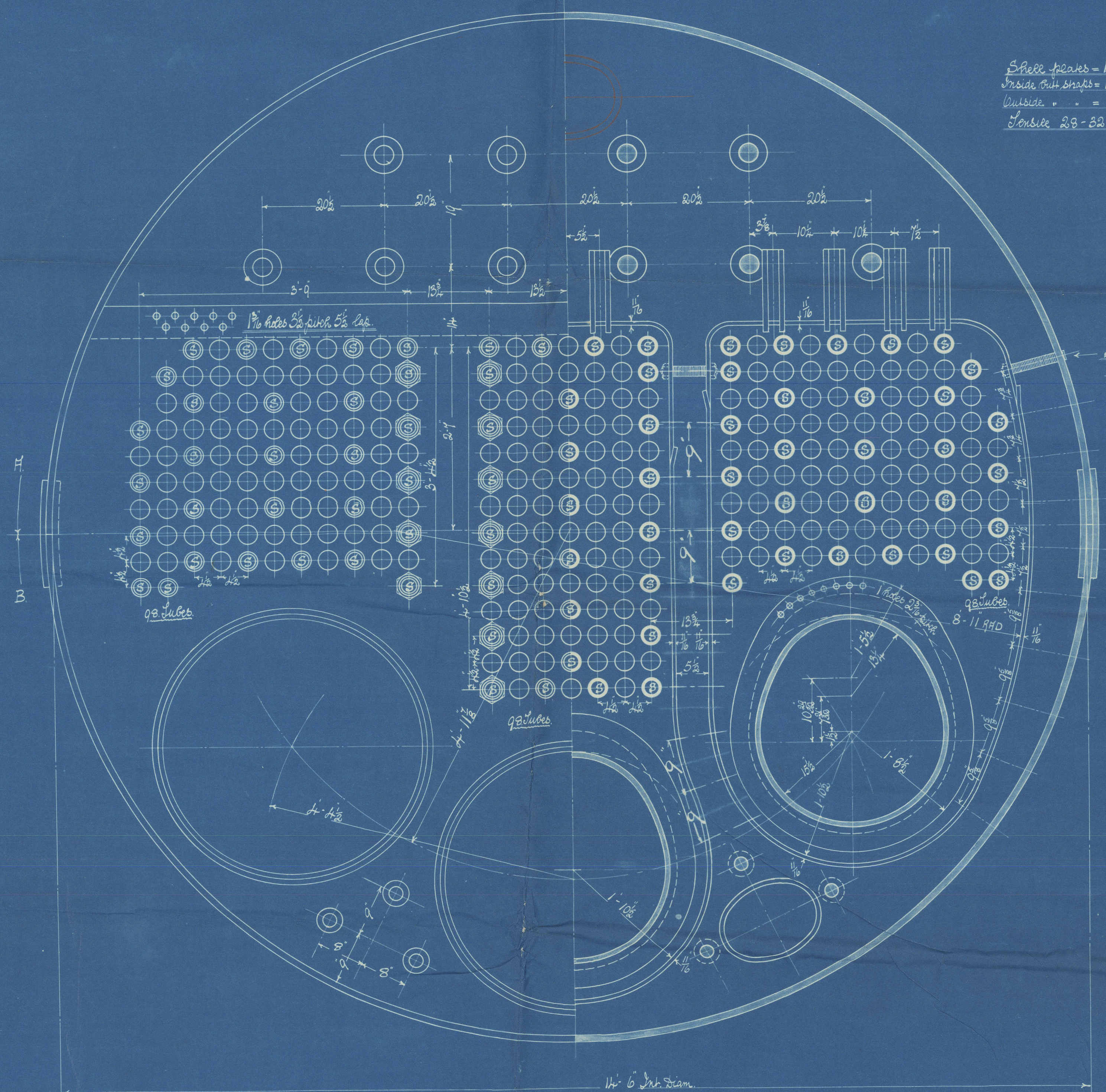
DIMENSIONS

	1 Boiler	2 Boilers
LENGTH OF FIRE BRICKS	5'-6"	5'-6"
AREA OF FIRE GRATE	87.5 sq	172.5 sq
DIAM OF TUBES OUTSIDE	3 1/2"	3 1/2"
LENGTH OF TUBES (between plates)	7'-2 1/2"	7'-2 1/2"
NO OF TUBES	294	588
AREA THROUGH TUBES	17 sq	51 sq
SURFACE OF TUBES	1798 sq	5394 sq
TOTAL HEATING SURFACE	2175 sq	6525 sq
WORKING PRESSURE	180 lbs	180 lbs

Plan of Steel Flue
1/4" plates 3/8" pitch
Plate = 35%
Rivets = 39%



Steel plates = 1/2" thick
Rivets 3/8" dia
Outside = 1/2"
Screw stays 20-22 threads



N^o 580 9889.10 31.1.1911

9.2.11

9889.10 31.1.1911

Lloyd's

Boilers No 580.

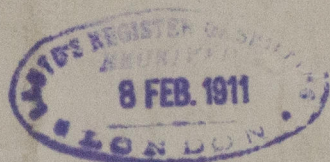
Messrs Earles & Co

P.

C

S

No 1846	No 1845	No 1844
Lloyds Test	Lloyds Test	Lloyds Test
360 lbs	360 lbs.	360 lbs
10-10-11	6-10-11	4-10-11
B.	J.B.	B.



Sp Montebello -

Hull Report No. 24444

RETAIN



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Lloyd's Register
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