

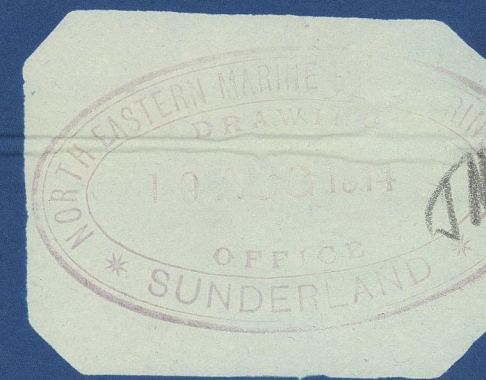
SUNDERLAND ENGINE WORKS

BOILER.

SCALE - 1 INCH TO A FOOT.

SCHEDULE "L"

WRITTEN DIMENSIONS ONLY TO BE TAKEN.



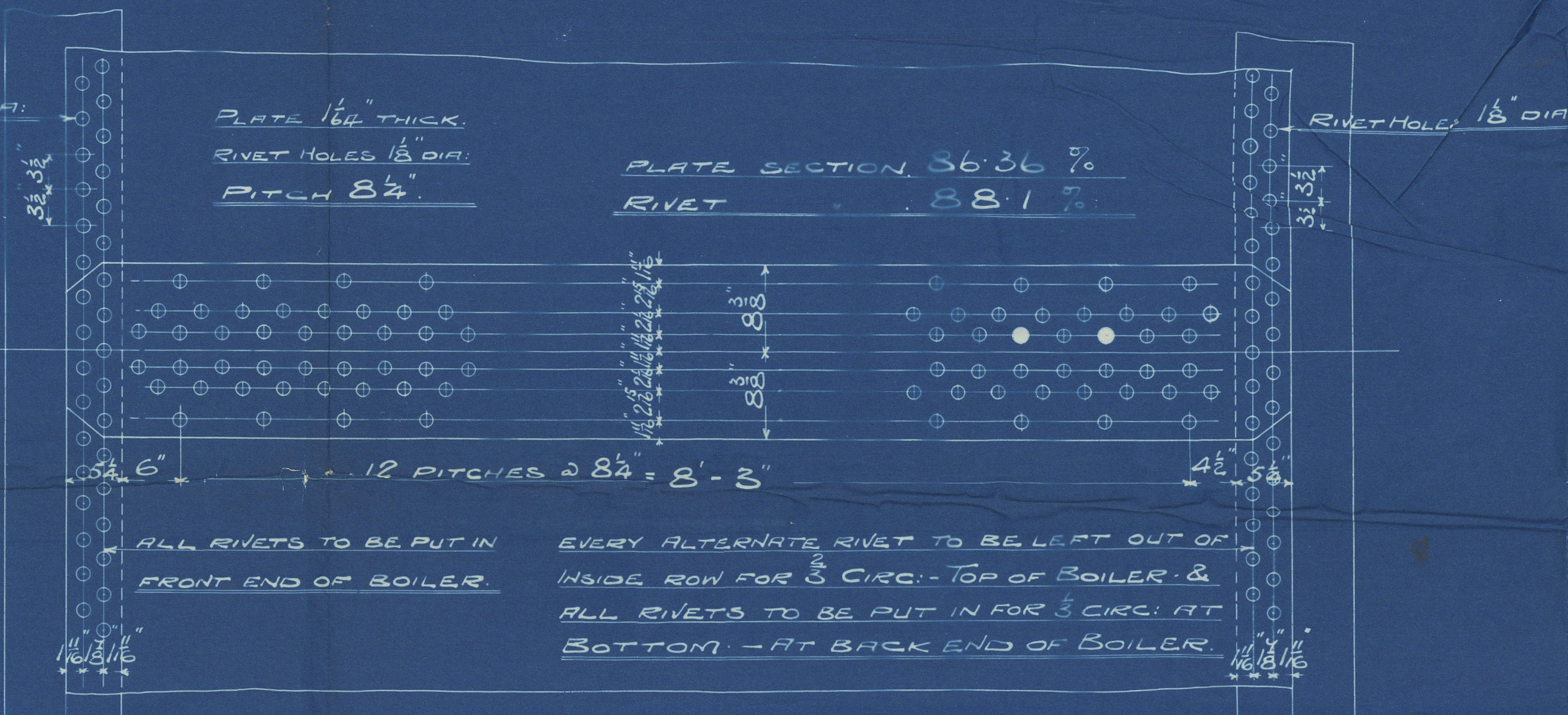
BUTT STRAPS INSIDE 1" THK.
OUTSIDE 1" THK.

RIVET HOLES 1/8" DIA.

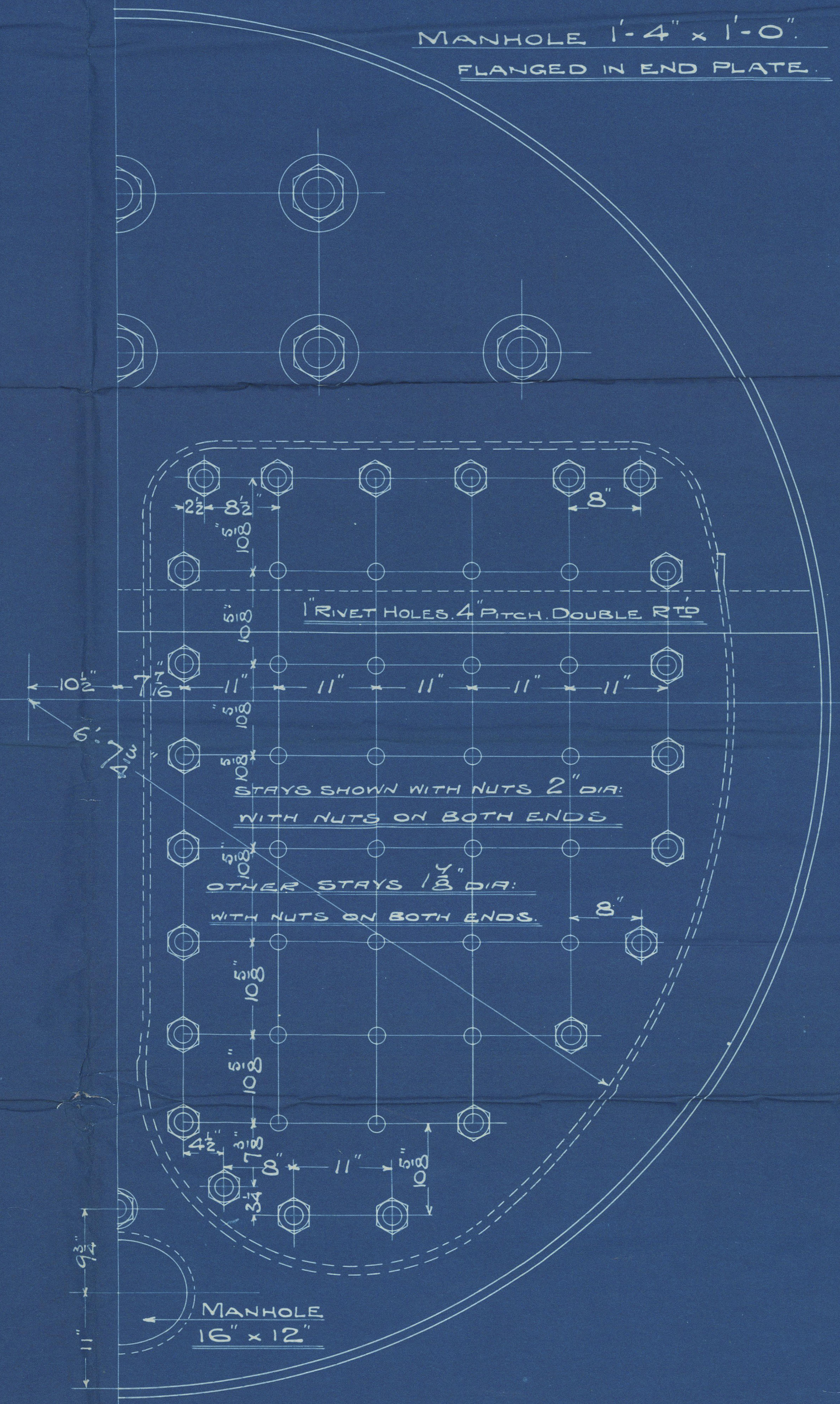
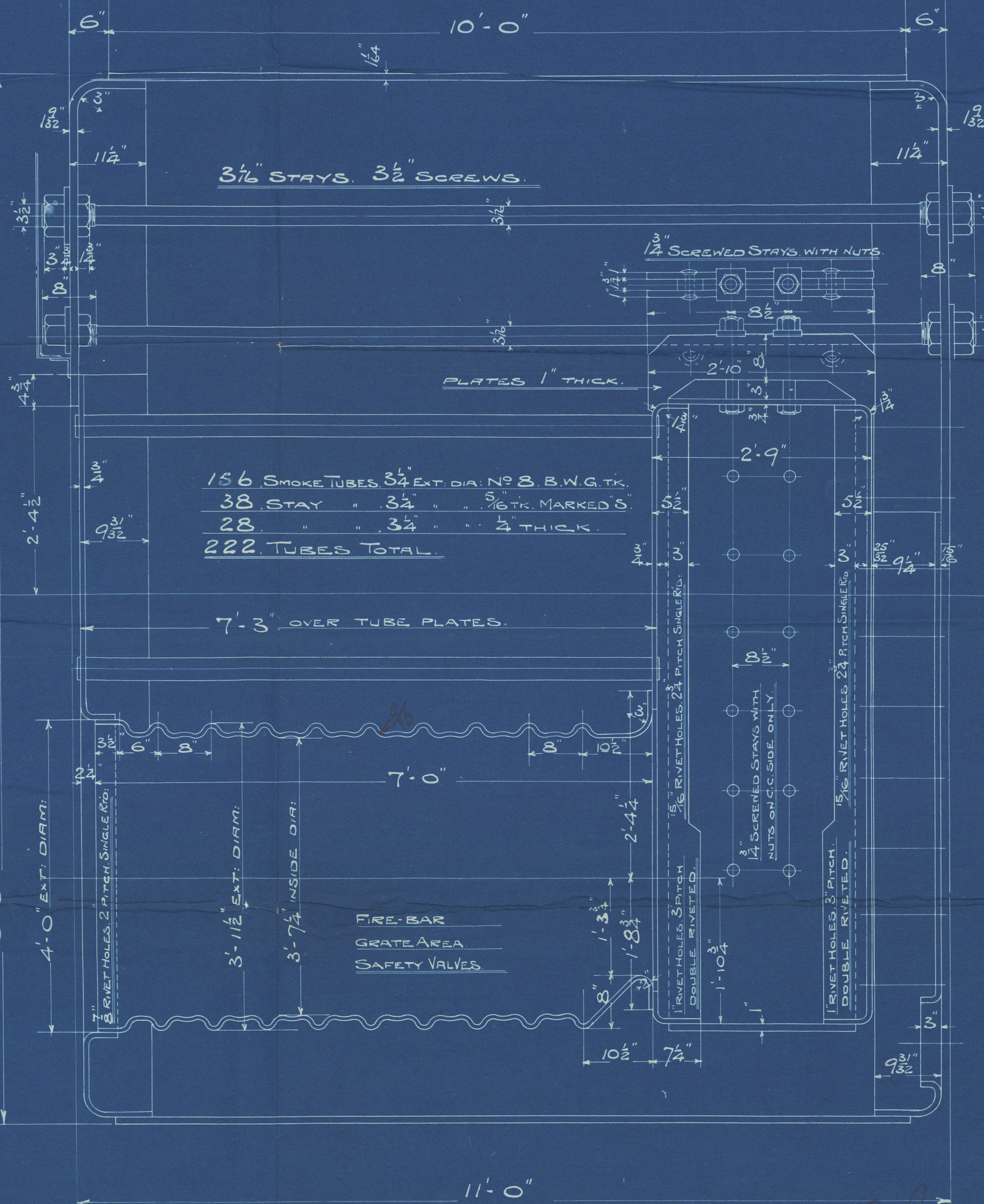
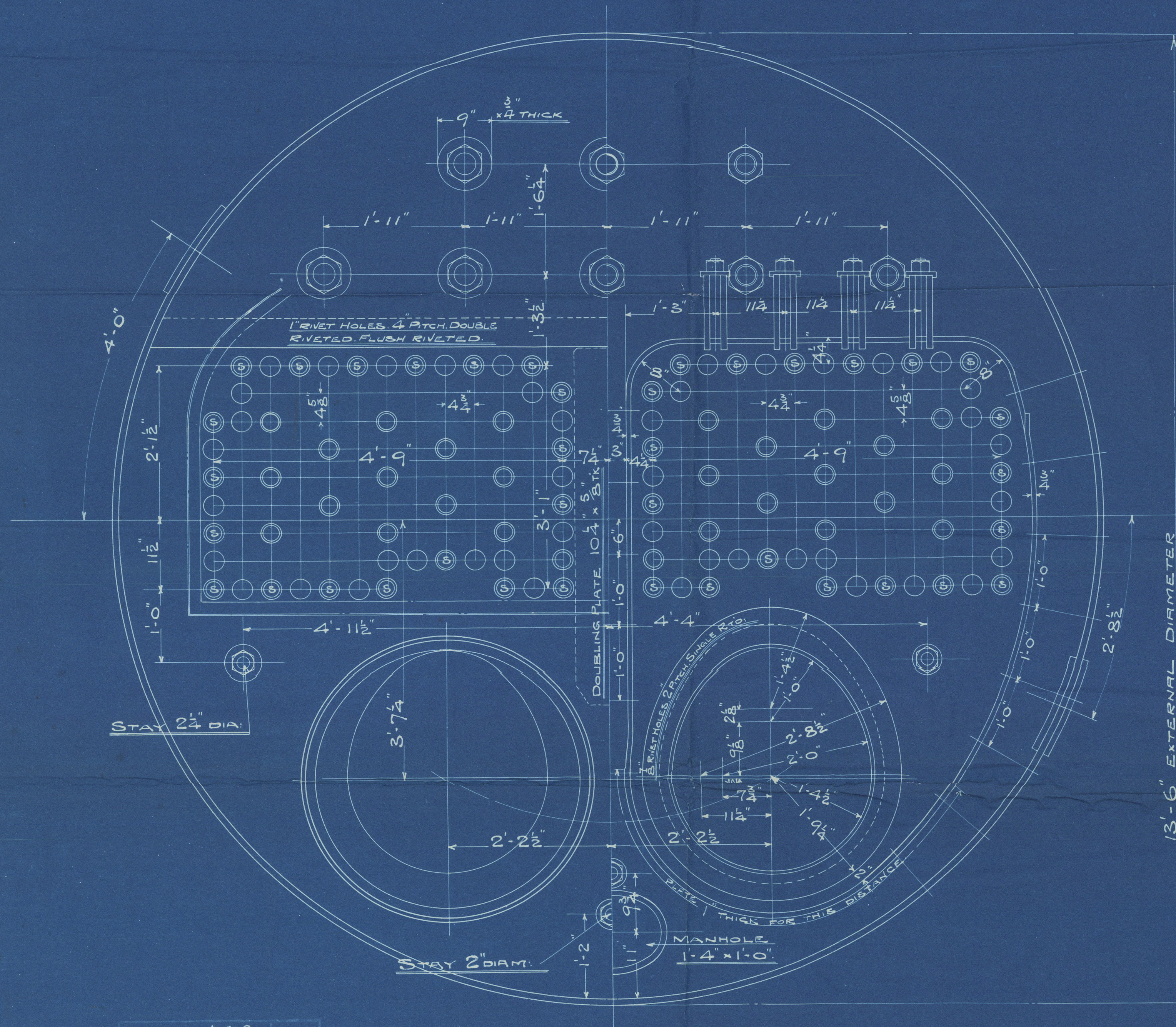
PLATE 1/4" THICK.
RIVET HOLES 1/8" DIA.
PITCH 8 1/2"

PLATE SECTION 86.36 %
RIVET .88.1 %

RIVET HOLES 1/8" DIA.



TO PASS LLOYD'S SURVEY	
SHELL = 24.875 x 22 (15.875 x 2) 30.36	180.5 LBS PER SQ. FT.
WORKING PRESSURE = 180	" " " "
TEST = 360	" " " "
HEATING SURFACE ON TUBES 1370 SQ. FEET.	
" " OTHER PARTS 333	
" " TOTAL 1703	" " " "
EX: FRONT TUBE PLATE 1666	" " " "
EFFECTIVE AREA OF STAYS	
3/4" STAY TUBES 16 THK 9 THREADS PER INCH	2.17 SQ. IN.
3/4" " " 2 " 9 " " " "	1.64 " " "
3/4" MAIN STAYS 6 " " " "	7.36 " " "
2 1/2" " " 6 " " " "	3.26 " " "
2 " " " 6 " " " "	2.51 " " "
2 SCREWED " 11 " " " "	2.79 " " "
1 1/2 " " " 11 " " " "	2.43 " " "
1 1/4 " " " 11 " " " "	2.1 " " " "
ALL PLATES, RIVETS & STAYS - STEEL.	
TUBES - WROUGHT IRON -	
HOLES TO BE DRILLED IN PLACE AFTER BENDING.	
TENSILE STRENGTH OF SHELL PLATES 29.3 TO 33 TONS	
" " GIRDER 28 " 32 " "	
" " MAIN STAYS 28 " 32 " "	



DRAWN BY J.A.S.
CHECKED BY J.A.S.
TRACED BY
CHECKED BY

108/14

CONTRACT 2188. 3. OFF.

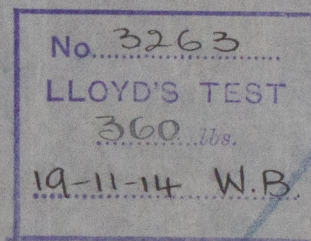
DRAWING 4933.

N. E. M. E. C^o L^d.

C. No 2188

MAIN BOILERS.

3 OFF.



J. PRIESTMAN & C^o

249 3/5.

8/5 Devian

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Lloyd's Register

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