

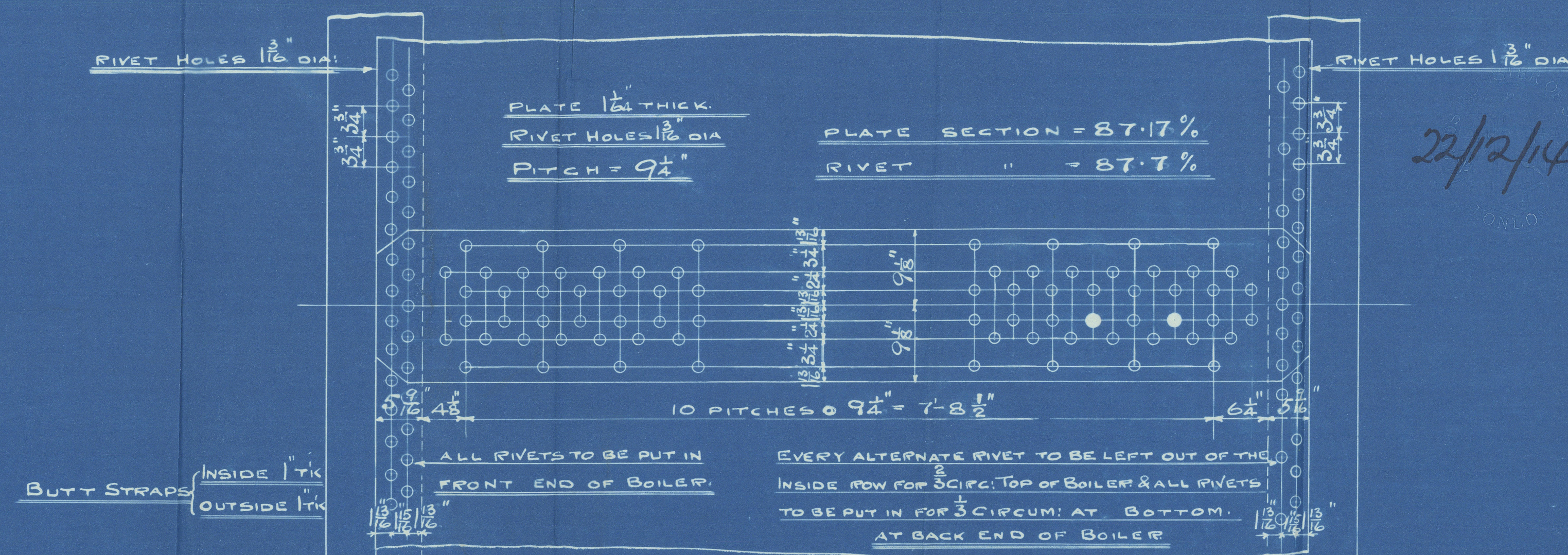
SUNDERLAND ENGINE WORKS.

BOILER.

SCALE: 1 INCH TO A FOOT

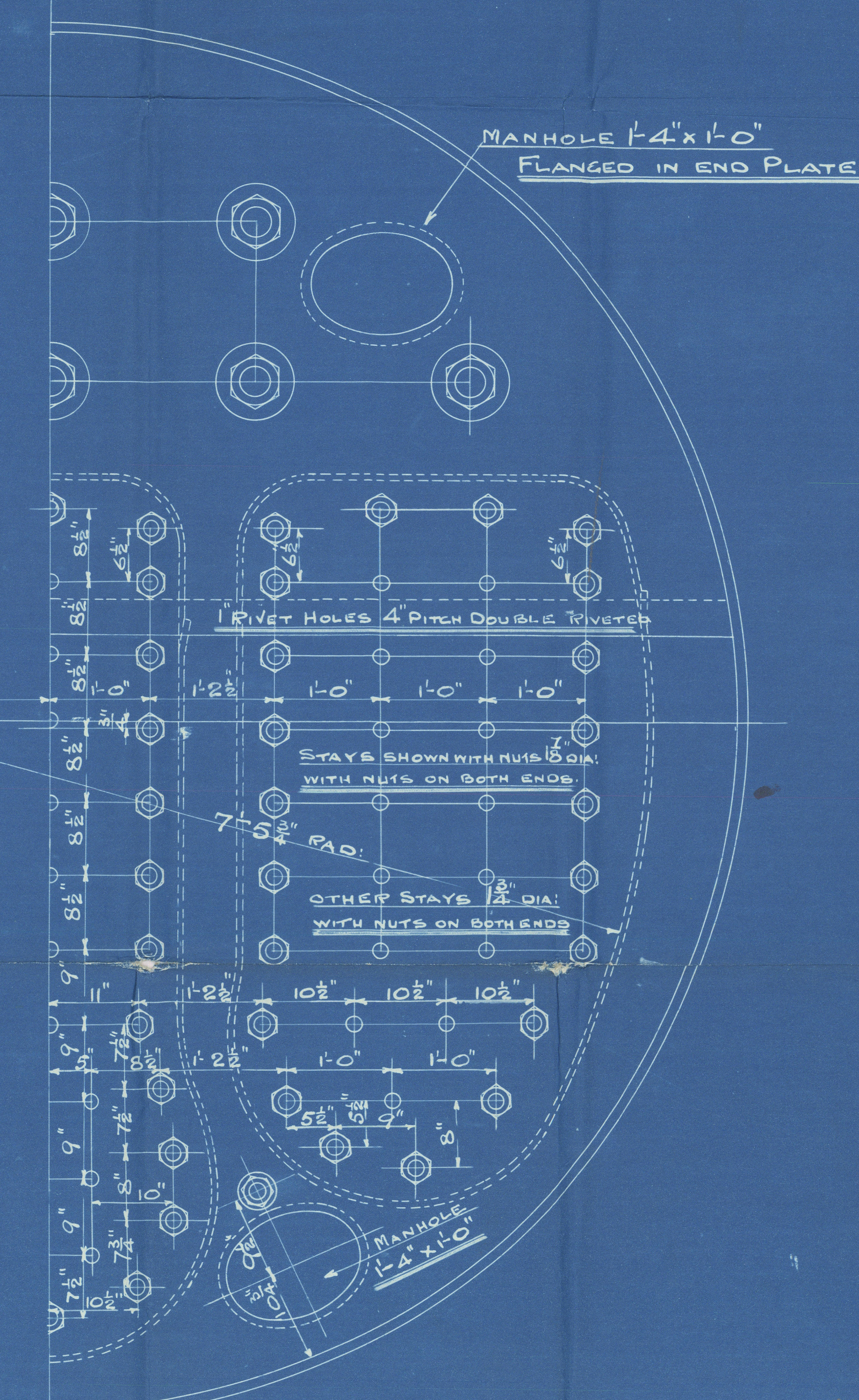
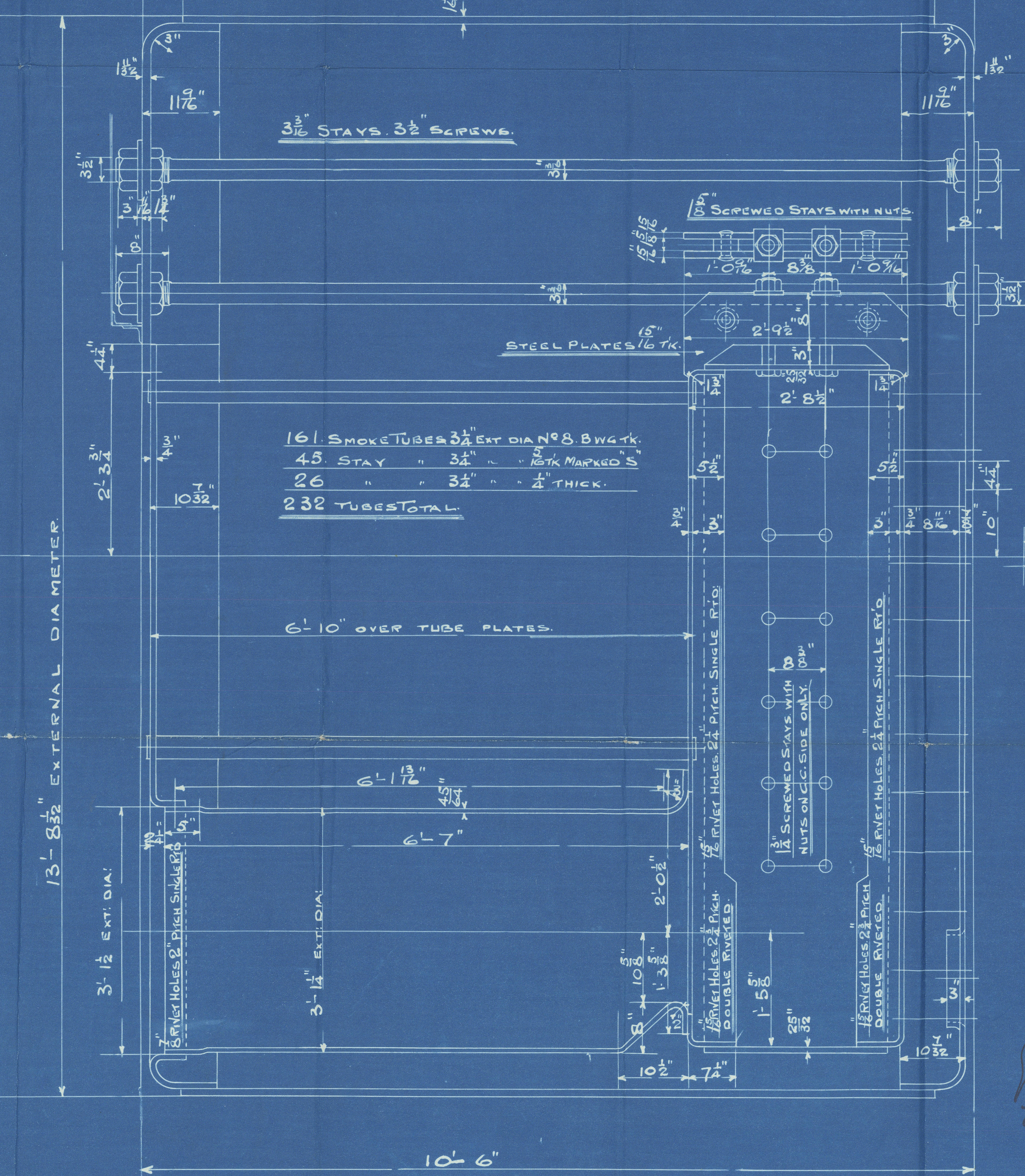
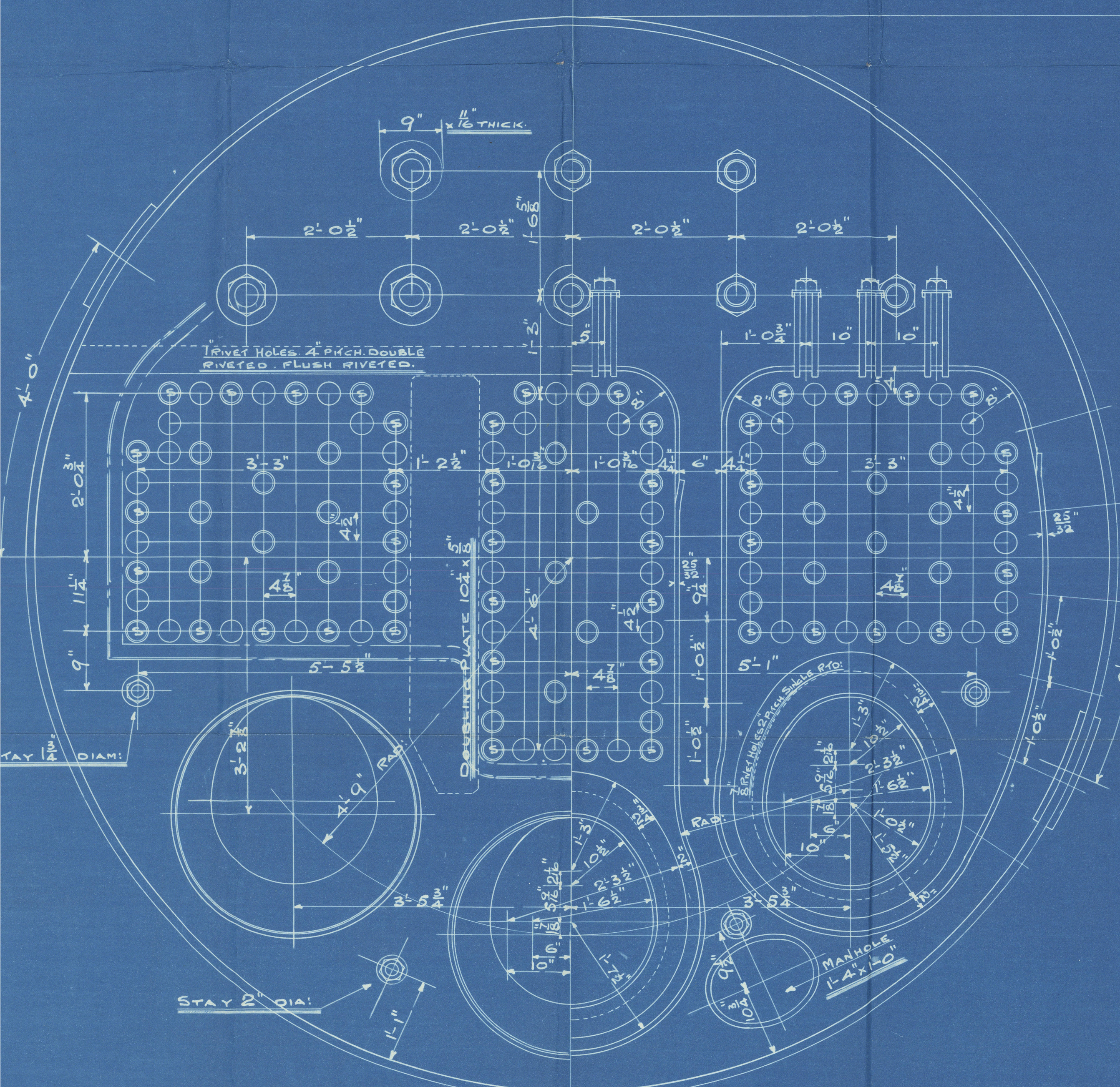
SCHEDULE "L".

WRITTEN DIMENSIONS ONLY TO BE TAKEN.



22/12/14

| | | | |
|---|-------------------------|--------------|---------------------------|
| TO PASS LLOYD'S SURVEY | | | |
| SHELL = | 23'4 1/4 (1625-2) 87.17 | = | 180 LBS PER ^{sq} |
| WORKING PRESSURE | | | 180 " " " |
| TEST | " | | 360 " " " |
| HEATING SURFACE ON TUBES | | | 1346 SQ. FT |
| " " OTHER PARTS | | | 356 " " " |
| " " TOTAL | | | 1702 " " " |
| EX: FRONT TUBE PLATE | | | 1670 " " " |
| EFFECTIVE AREA OF STAYS | | | |
| 3 1/4" STAY TUBES 16 TK 9 THREDS PER IN | | | 2.17 SQ. IN. |
| 3 1/4" " " 4 " 9 " " " | | | 1.64 " " " |
| 3 1/8" MAIN STAYS 6 " " " | | | 7.98 " " " |
| 2" " " 6 " " " | | | 2.51 " " " |
| 1 1/8" SCREWED " 11 " " " | | | 2.43 " " " |
| 1 1/8" " " 11 " " " | | | 2.1 " " " |
| 1 1/8" " " 11 " " " | | | 1.79 " " " |
| ALL PLATES RIVETS & STAYS - STEEL - | | | |
| TUBES - WROUGHT IRON - | | | |
| HOLES TO BE DRILLED IN PLACE AFTER BENDING | | | |
| TENSILE STRENGTH OF SHELL PLATES 298 TO 33 TONS ^{sq} | | | |
| " | " | " GIRDER " | 28 " 32 " " |
| " | " | " MAIN STAYS | 28 " 32 " " " |



TRACED BY AWP
CHECKED BY J.A.S. 14-12-1914

DRAWING NO 5119

CONTRACT NO 2215.2 OFF.

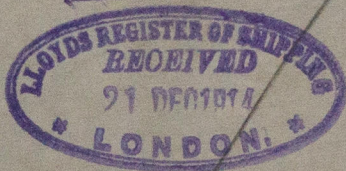
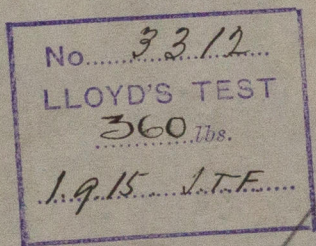
N. E. M. E. Co. L^d.

C. No 2215

MAIN BOILERS.

2 OFF

W263-0137



W. Sellinger.
J. PRIESTMAN & Co.

No 255 1/2

W. McKinnon

© 2019

Foundation