

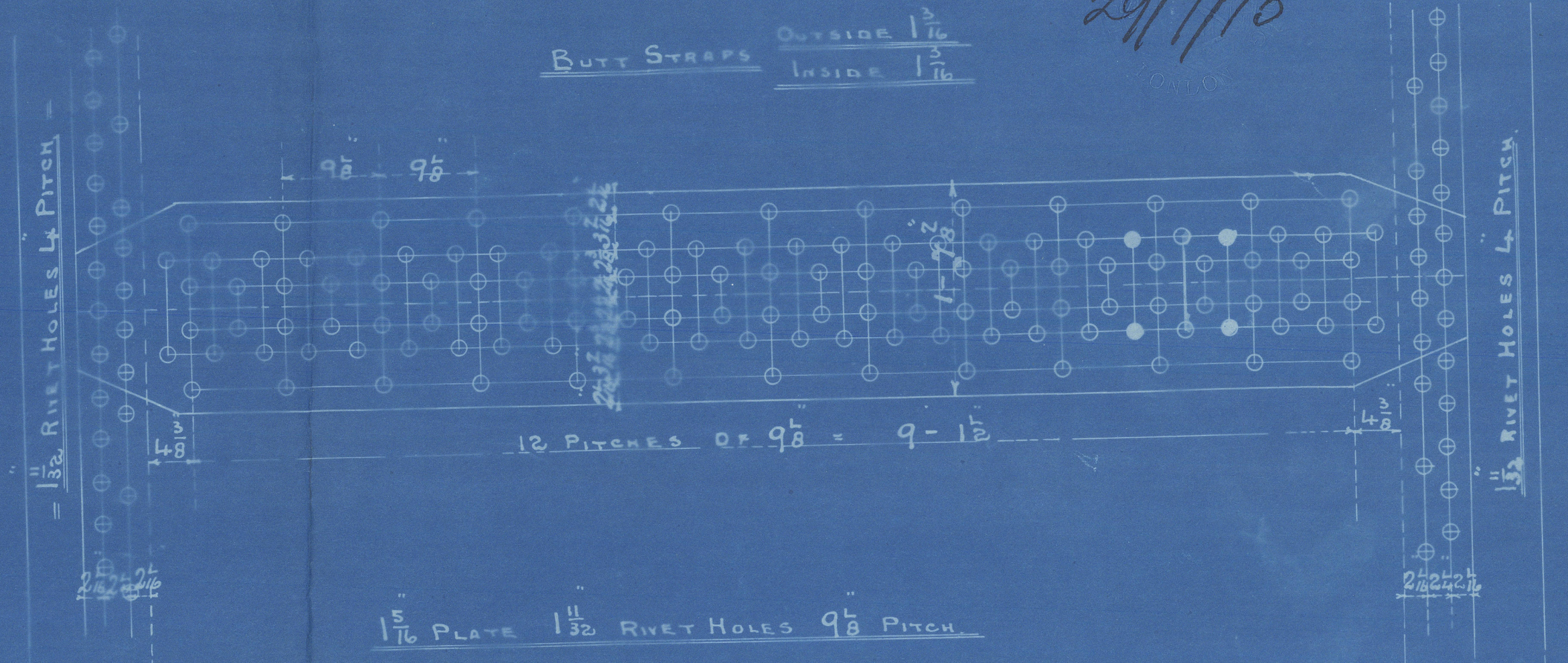
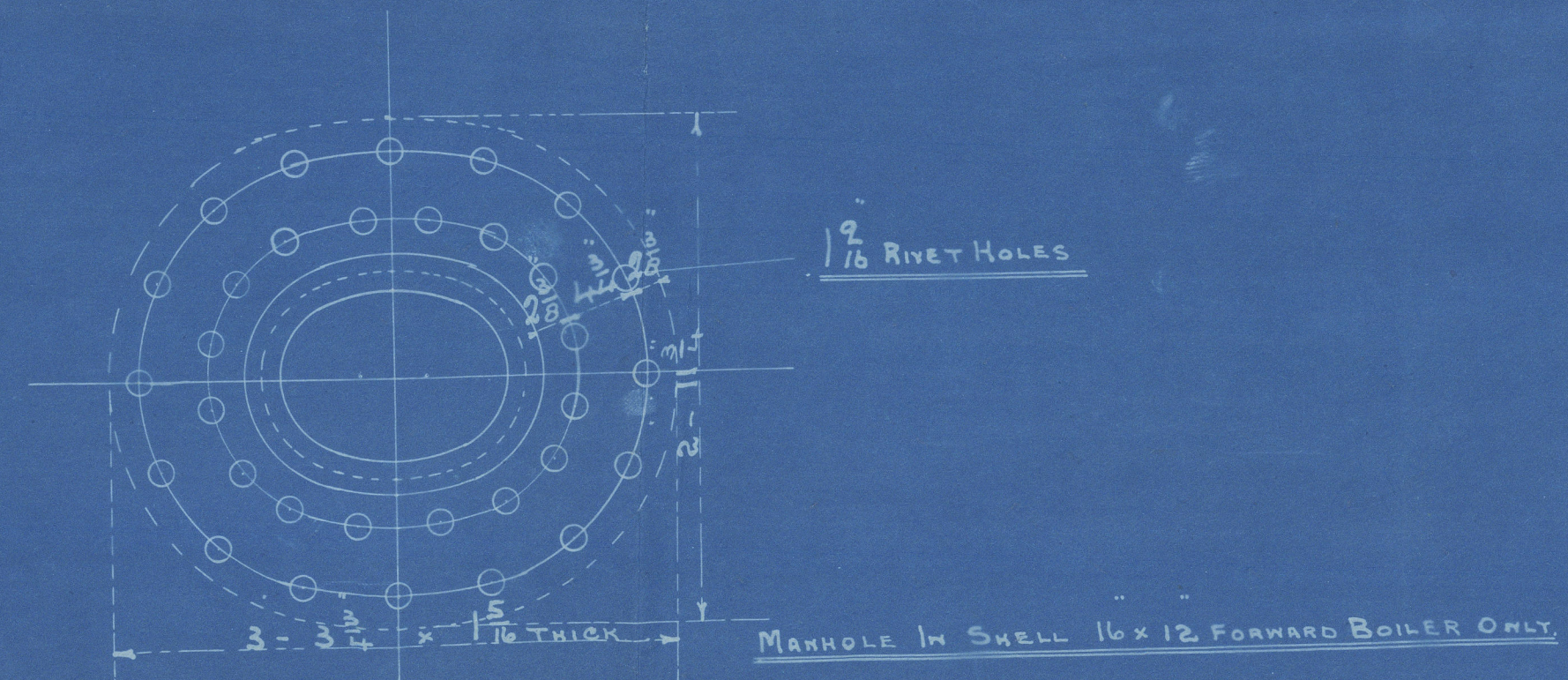
TRACING 592

SCHEDULE L

STEAM BOILER

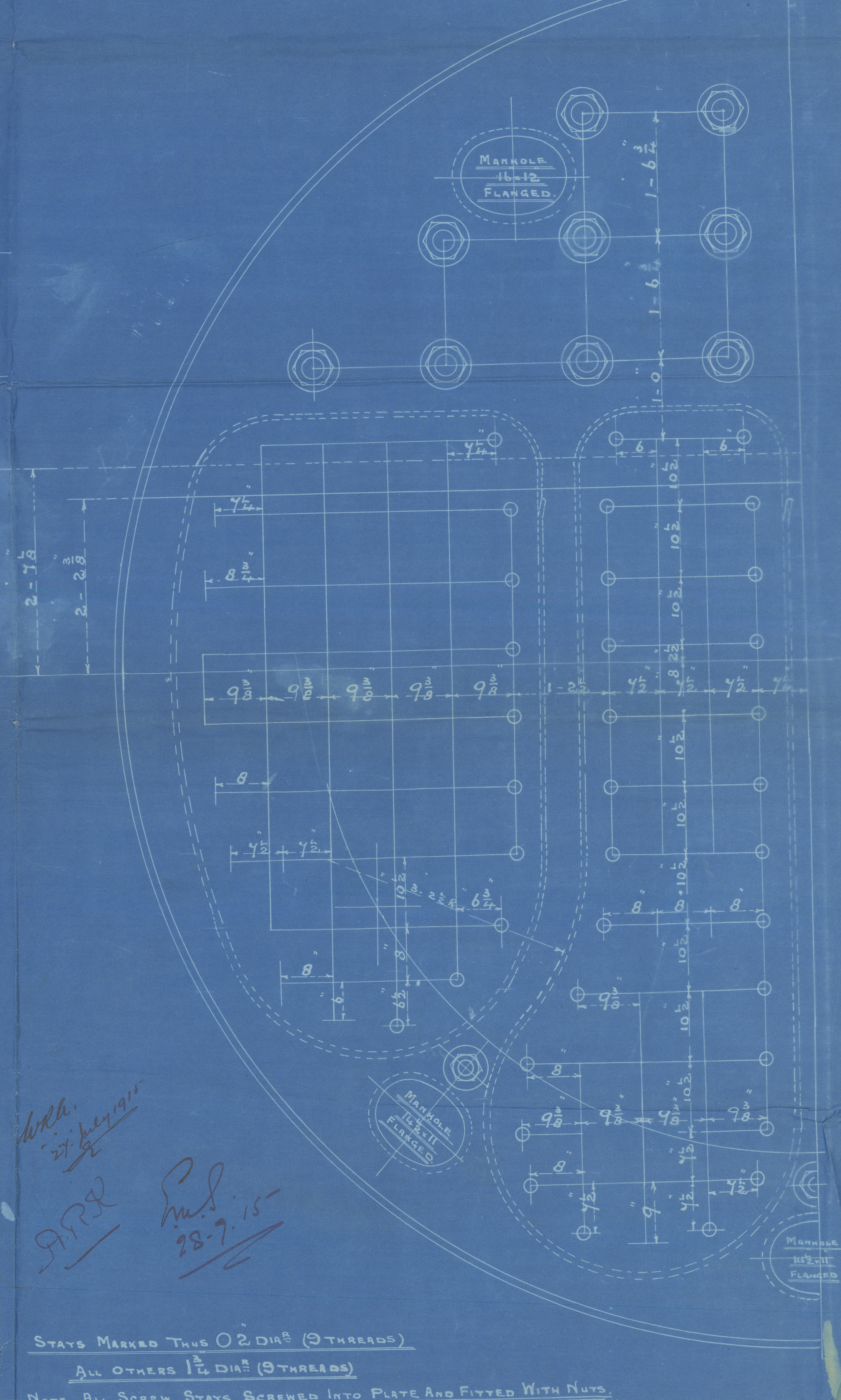
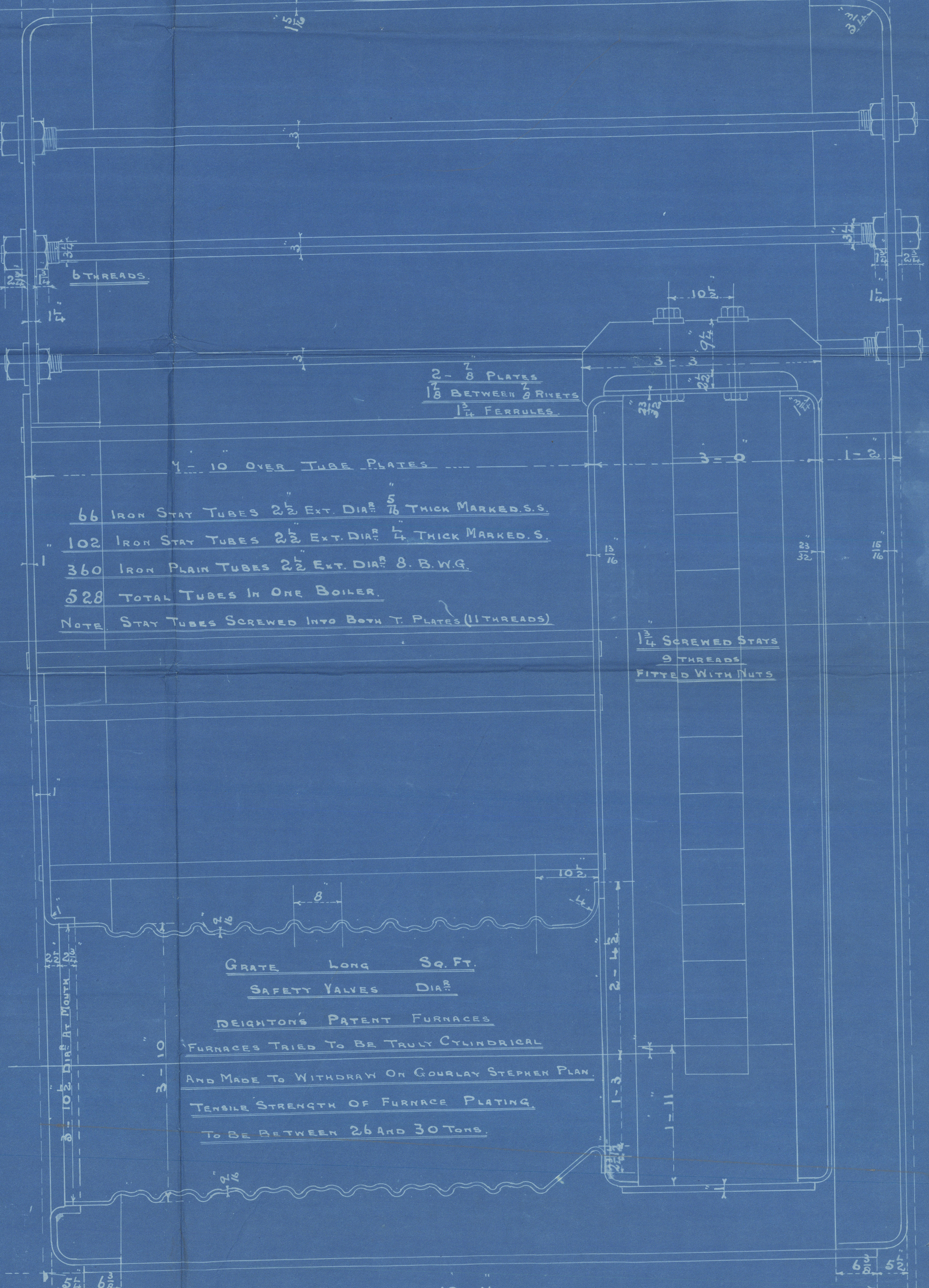
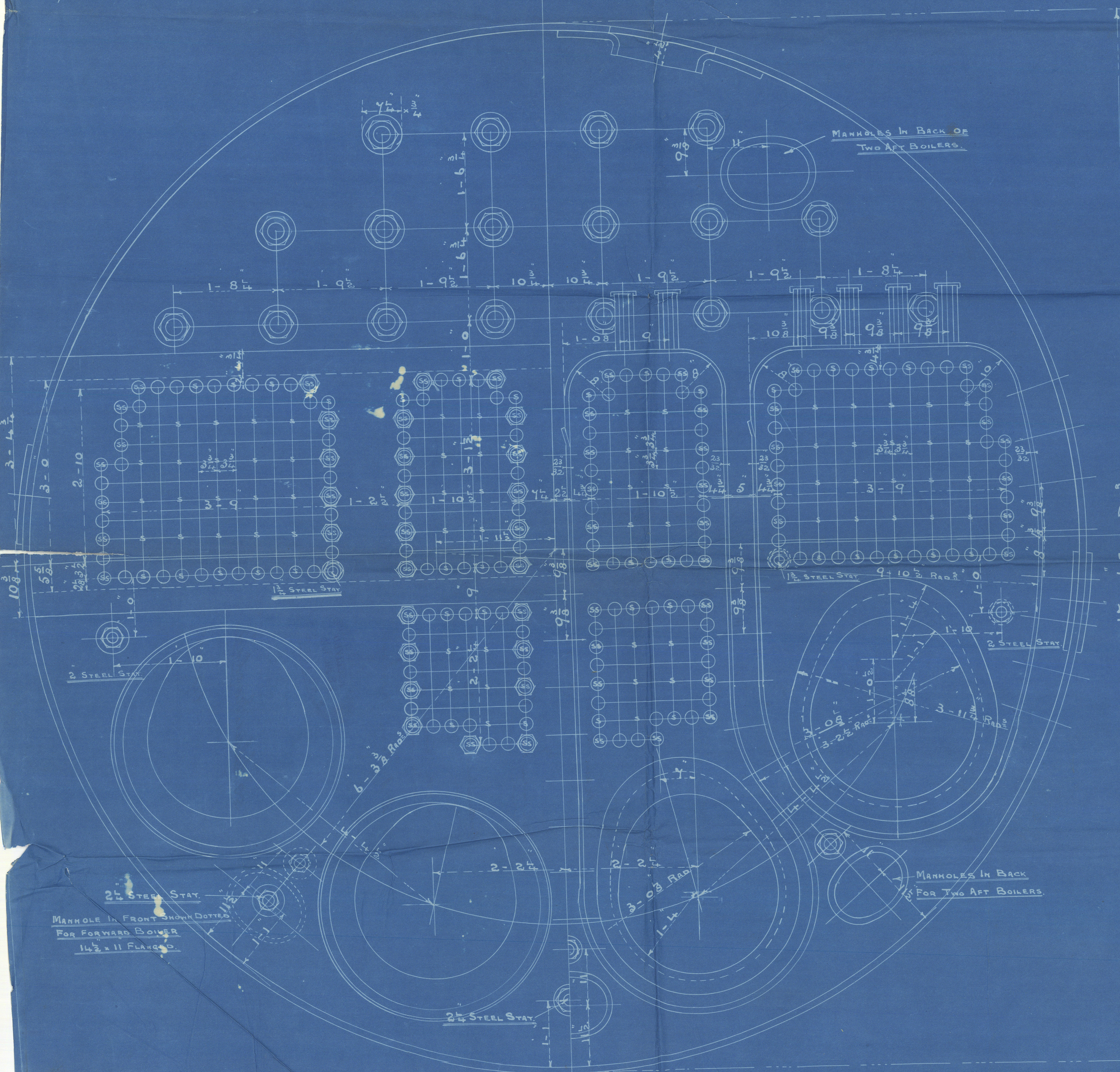
4406

29/7/15



SURVEY TO LLOYD'S REQUIREMENTS AND OWNERS APPROVAL
 HEATING SURFACE ON TUBES = 2704 Sq. Ft.
 ELSEWHERE = 628 Sq. Ft.
 TOTAL = 3332 Sq. Ft. PER BOILER
 STEAM SPACE = CUB. FT.
 WORKING PRESSURE = 180 LBS.
 TEST PRESSURE = 360

NOTE: ALL PLATES STAYS $\frac{1}{2}$ TO BE OF STEEL SMOKE TUBES OF IRON
 TENSILE STRENGTH OF SHELL PLATING TO BE FROM 29 TO 33 TONS PER SQ. INCH.
 ALL HOLES DRILLED IN PLACE AFTER PLATES ARE BENT



66 IRON STAY TUBES 2 1/2 EXT. DIA. 5/16 THICK MARKED S.S.
 102 IRON STAY TUBES 2 1/2 EXT. DIA. 1/4 THICK MARKED S.S.
 360 IRON PLAIN TUBES 2 1/2 EXT. DIA. 8 B.W.G.
 528 TOTAL TUBES IN ONE BOILER
 NOTE: STAY TUBES SCREWED INTO BOTH T. PLATES (11 THREADS)

1 1/2 SCREWED STAYS
 9 THREADS
 FITTED WITH NUTS

GRATE LONG SQ. FT.
 SAFETY VALVES DIA.

BEIGHTON'S PATENT FURNACES
 FURNACES TRIED TO BE TRULY CYLINDRICAL
 AND MADE TO WITHDRAW ON GOWLEY STEPHEN PLAN
 TENSILE STRENGTH OF FURNACE PLATING
 TO BE BETWEEN 26 AND 30 TONS

WALSLEY & CO.
 28-7-15

STAYS MARKED THUS 02 DIA. (9 THREADS)
 ALL OTHERS 1 1/2 DIA. (9 THREADS)
 NOTE: ALL SCREW STAYS SCREWED INTO PLATE AND FITTED WITH NUTS

FOR POSITION OF MANHOLES SEE SKETCH ABOVE. 3. OFF CONTRACT 2223.

W95 3-0085 1/2

N. E. M. E. CO., LIMITED, WALLSEND.

ENCLOSURE

FOR

Messrs.

W953-0085

Main Boilers.

Nº 2223.

by

North Eastern Marine Eng. Coy. Lim^t

for

Northumberland S.S. Co. Nº 229 1/2

180 t^{ts} "hoisting pressure"

S.S. "Clan Mackay"



S.S. "Clan Mackay"
NEWCASTLE ON TYNE.

Report No. 69515

RETAIN



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Foundation