

# THE NORTH EASTERN MARINE ENGINEERING CO. LTD

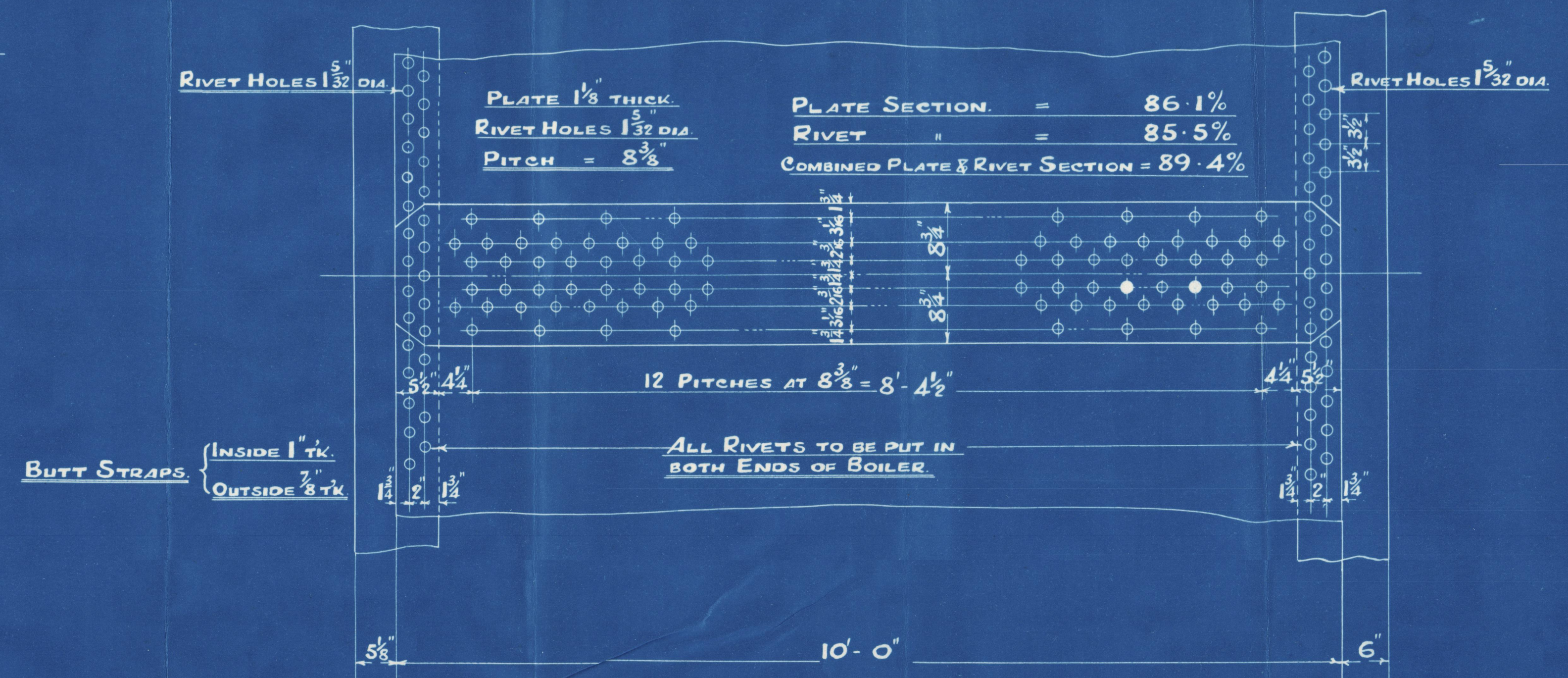
## SUNDERLAND. BOILER.

SCALE = 1 INCH TO A FOOT.

WRITTEN DIMENSIONS ONLY TO BE TAKEN.

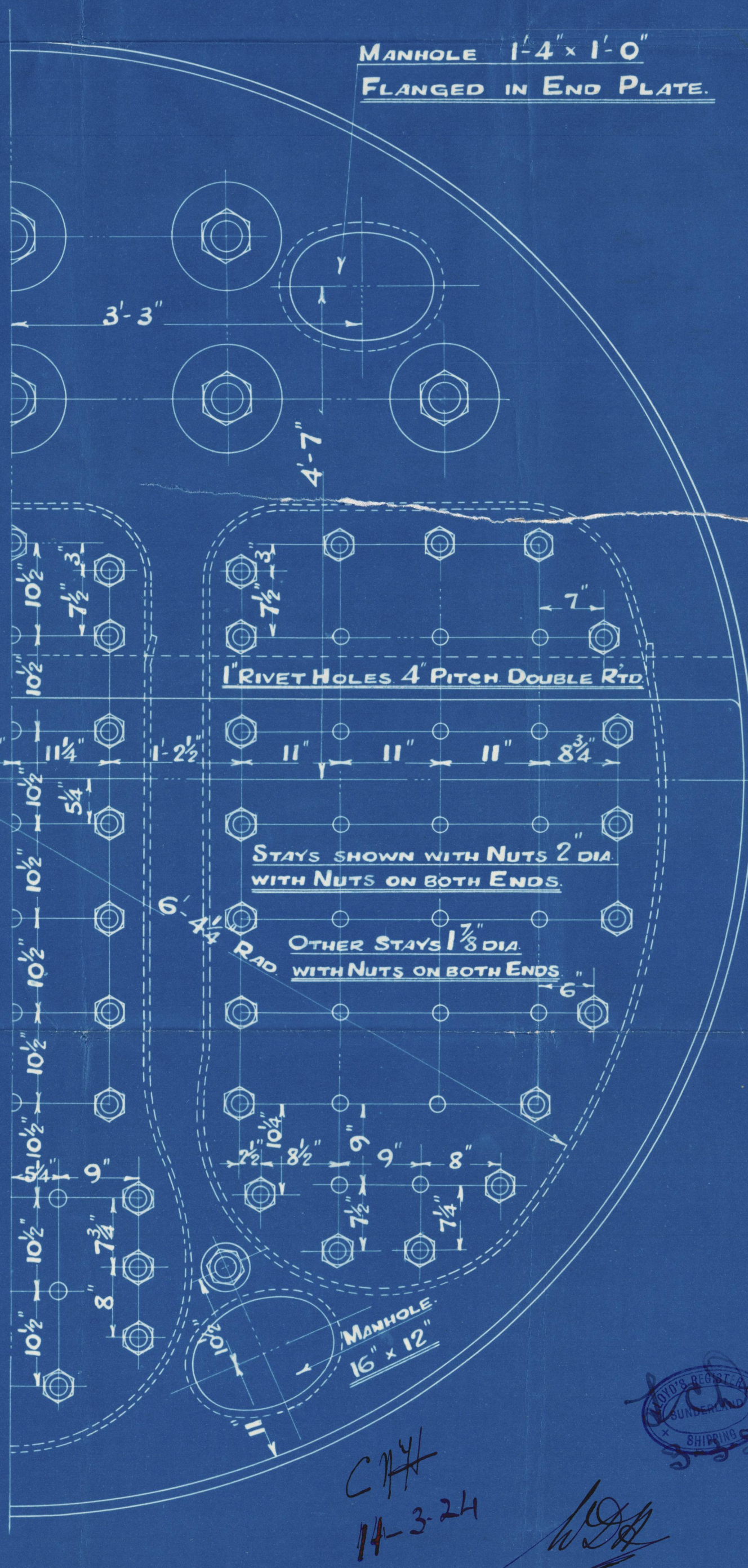
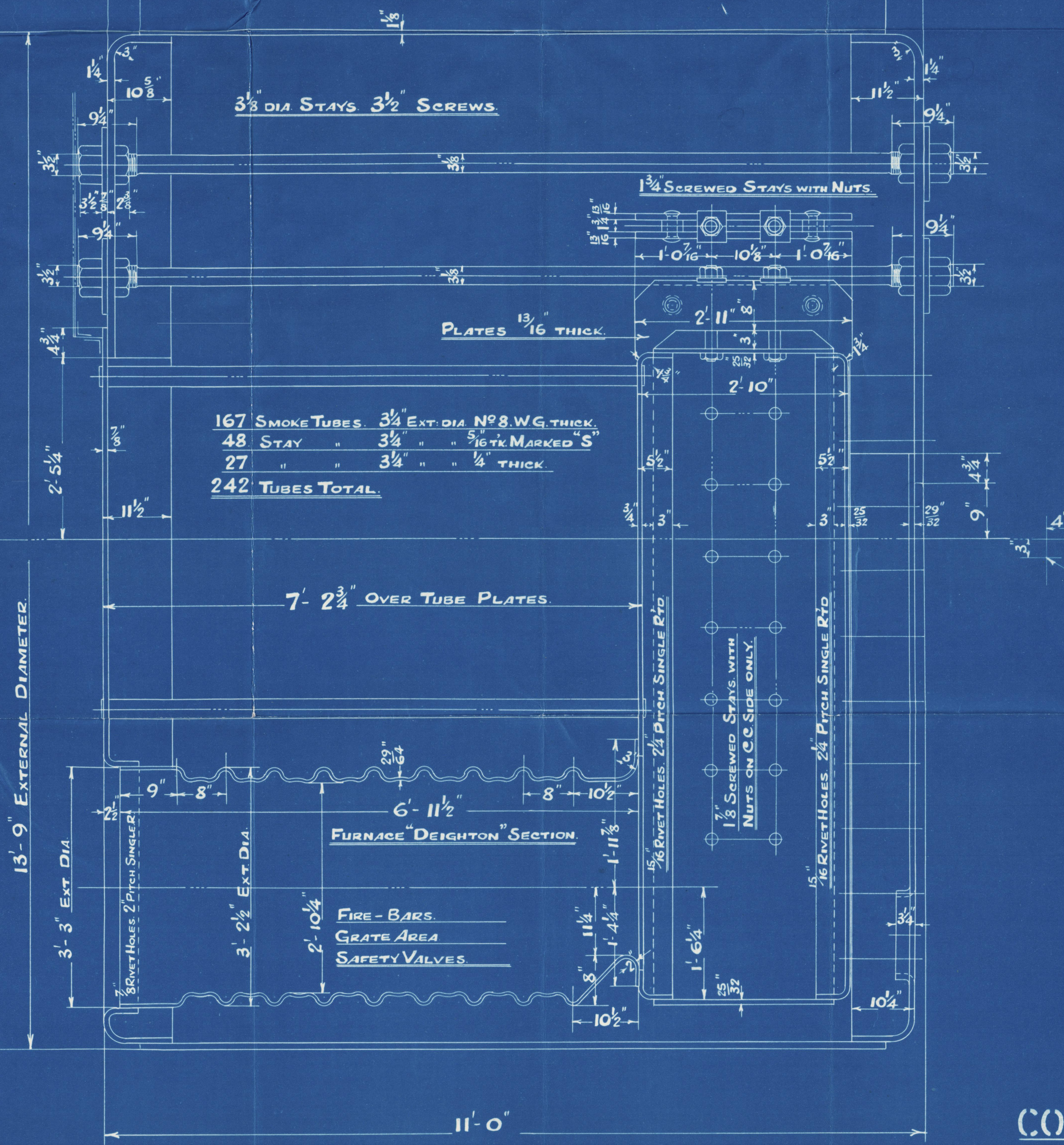
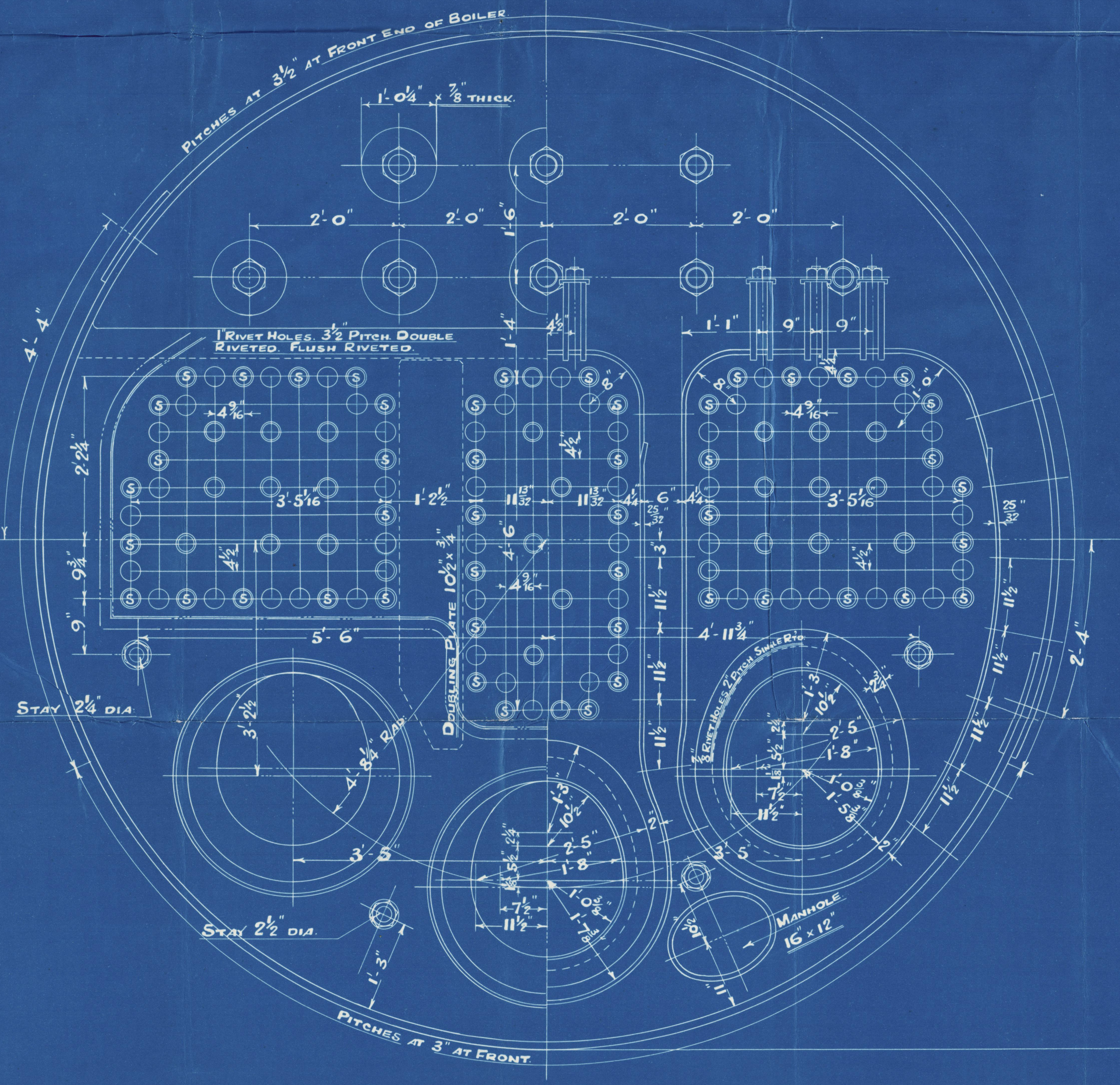


DRAWN BY J.A.S.  
TRACED BY MR. A.D.  
CHECKED BY J.A.S.  
28 FEB. 1934



To Pass LLOYD'S SURVEY.

SHELL = $(36-2) \times 28 \times 85.5$	= 181.8 LBS / 0"
WORKING PRESSURE	= 180 " "
TEST	= 320 " "
HEATING SURFACE ON TUBES.	= 1460 SQ FEET
" " OTHER PARTS	= 367 " "
" " TOTAL	= 1827 " "
EX FRONT TUBE PLATE	= 1797 " "
EFFECTIVE AREA OF STAYS	
$3\frac{1}{4}$ STAY TUBES $\frac{5}{16}$ THK. 9 THREADS PER INCH	2.17 SQ INCHES
$3\frac{1}{4}$ " " $\frac{1}{4}$ " 9. " " "	1.64 " "
$3\frac{1}{8}$ MAIN STAYS. 6. " " "	7.67 " "
$2\frac{1}{2}$ " " 6. " " "	4.11 " "
$2\frac{1}{4}$ " " 6. " " "	3.26 " "
2" SCREWED STAYS. 9. " " "	2.71 " "
$1\frac{7}{8}$ " " 9. " " "	2.36 " "
$1\frac{3}{4}$ " " 9. " " "	2.03 " "
ALL PLATES - RIVETS & STAYS - STEEL.	
TUBES - WROUGHT IRON.	
HOLES TO BE DRILLED IN PLACE AFTER BENDING.	
TENSILE STRENGTH OF SHELL PLATES 28 TO 32 TONS / 0"	
" " GIRDER " 28 " 32 " "	
" " MAIN STAYS 28 " 32 " "	



DRAWING N° 7703.

CONTRACT N° 2565. 2 OFF.  
CONTRACT N° 2568. 2 OFF.





SUNDERLAND

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N.E. MARINE ENG CO<sup>LD</sup>

(2) BOILERS N<sup>o</sup> 2568

WP-180 LBS

(DUPLICATE OF N<sup>o</sup> 2565)

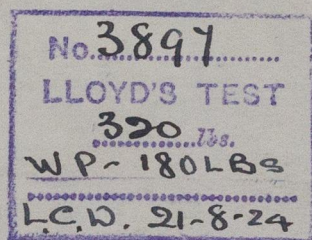
J. CROWN & SONS

S/S N<sup>o</sup> 177

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$\frac{1}{2}$ " "Matias Cousino"

W996-0047



ex

S.S. Silvermoor

SUNDERLAND RPT. NO 29019

RETAIN



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Lloyd's Register  
Foundation