

17:11:05  
LLOYD'S REGISTER OF SHIPBUILDERS  
LONDON

# SUNDERLAND ENGINE WORKS

BOILER  
TRACING 1515 SCALE - 1/4 INCH TO A FOOT SCHEDULE L

WRITTEN DIMENSIONS ONLY TO BE TAKEN



BUTT STRAPS: INSIDE 1/32 TK.  
OUTSIDE 1/32 TK.

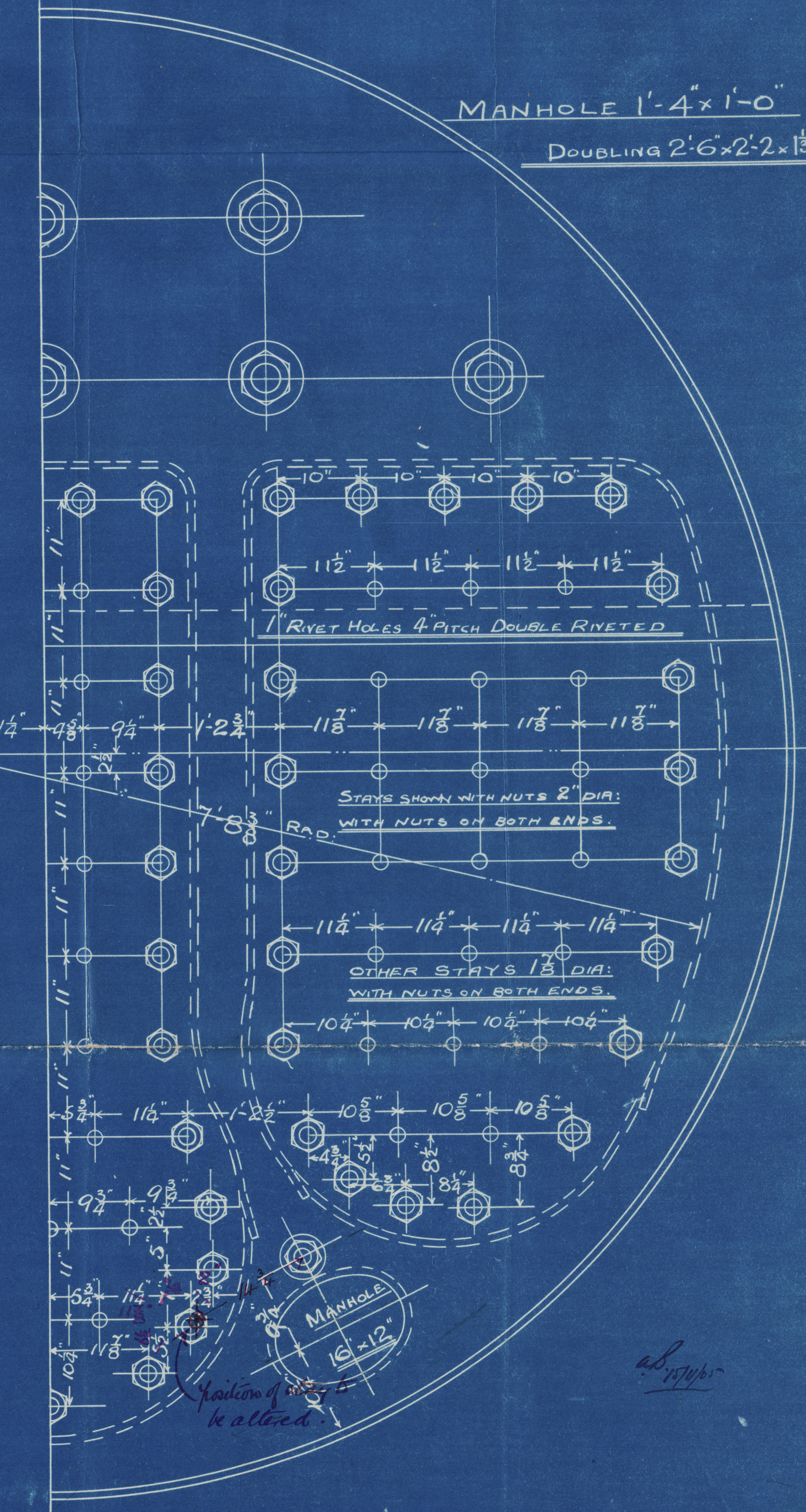
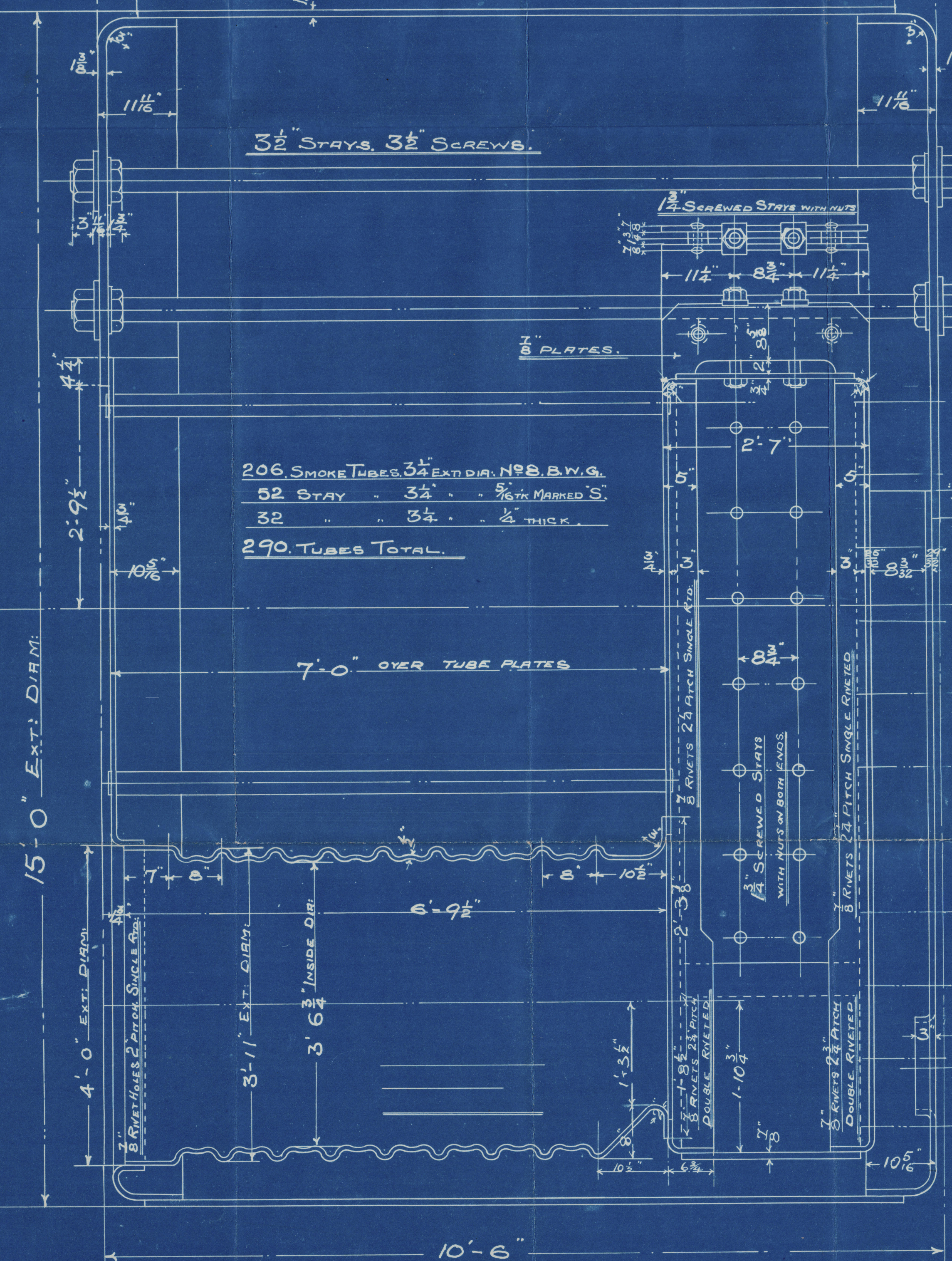
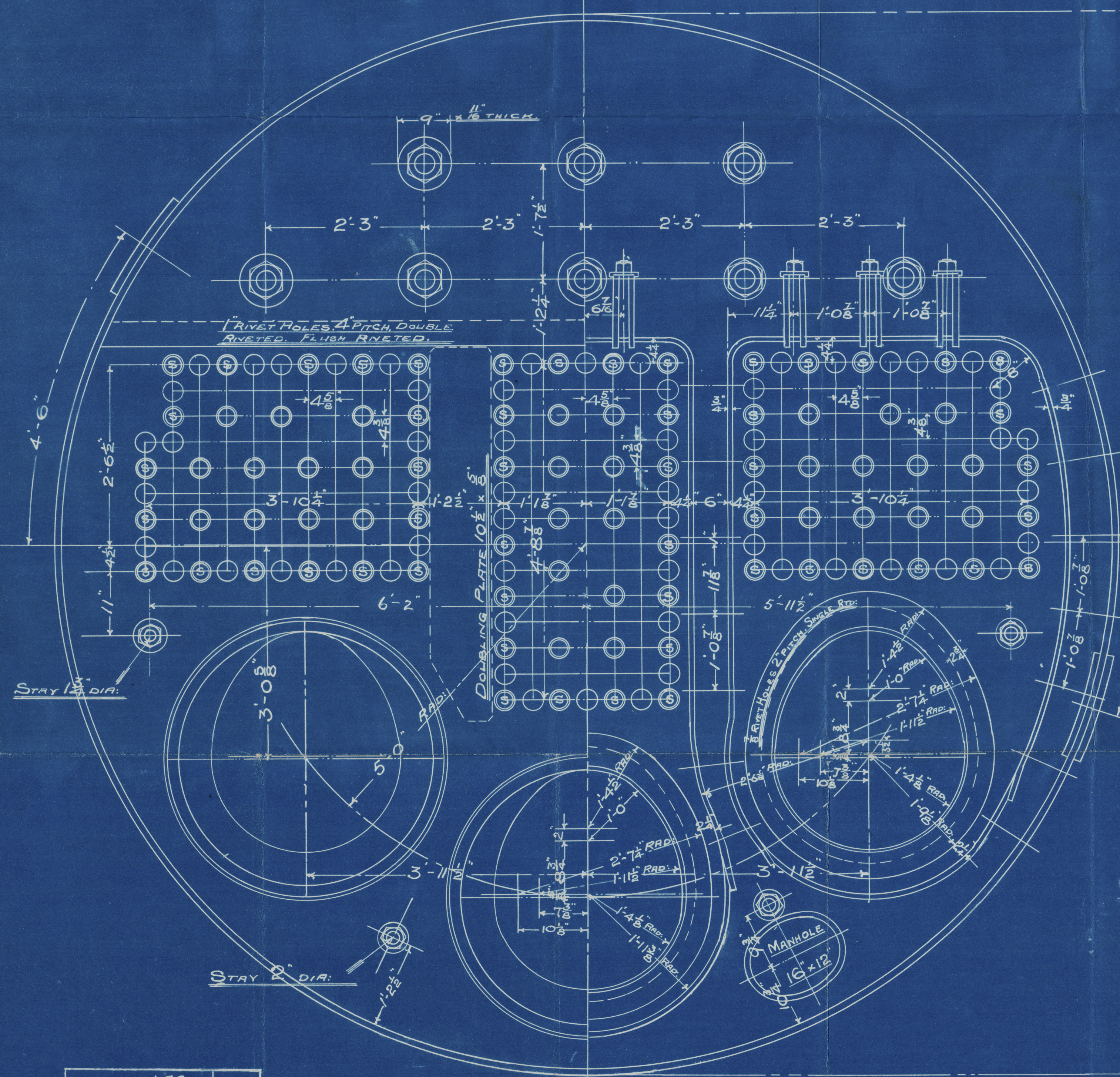
RIVET HOLES 1/32 DIA.

PLATE 1/32 THICK  
RIVET HOLES 1/32 DIA.  
PITCH = 9 3/8

PLATE SECTION = 87.08%  
RIVET " = 89.15%

RIVET HOLES 1/32 DIA.

LLOYD'S = 2255 (1699-2) ST. OB = 160 LBS PER SQ. IN.	
WORKING PRESSURE = 160.	
TEST " = 320.	
HEATING SURFACE ON TUBES = 1727 SQ. FT.	
" " OTHER PARTS = 474	
TOTAL = 2201	
EX. FRONT TUBE PLATE = 2159	
EFFECTIVE AREA OF STAYS	
3 1/2 STAY TUBES 5/16 TK. 9 THREADS PER IN. = 2.17 SQ. IN.	
3 1/2 " " " " " " " " = 1.64	
3 1/2 MAIN STAYS - 6 " " " " = 8.48	
2 " " " " " " " " = 2.51	
1 1/2 " " " " " " " " = 1.85	
2 " SCREWED - 11 " " " " = 2.79	
1 1/2 " " " " " " " " = 2.43	
1 1/2 " " " " " " " " = 2.1	
ALL PLATES, RIVETS & STAYS - STEEL	
TUBES - WROUGHT IRON -	
HOLES TO BE DRILLED IN PLACE AFTER BENDING.	
TENSILE STRENGTH OF SHELL PLATES NOT LESS THAN 29 TONS	
" " MAIN STAYS = 27	



DRAWN BY J.A.S.  
CHECKED BY J.A.S.  
TRACING NO 1515

CONTRACT 1699 & 1704. 1 OFF.





Antwerp S.R.C. No 30-31

Nº 2 - C 1699 - C 1704

1 Bunch

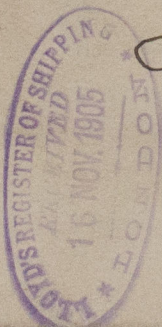
$\frac{5}{5}$  No 30

No 2484  
Lloyd's Test  
320 lbs.  
8/5/06  
A.B.

Sld's F. E. Nos 2279 &

$\frac{5}{5}$  No 31

No \_\_\_\_\_  
Lloyd's Test  
320 lbs.



Please return for 31/5



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Lloyd's Register  
Foundation  
W1227-0048

RECEIVED

Moscar

First entry