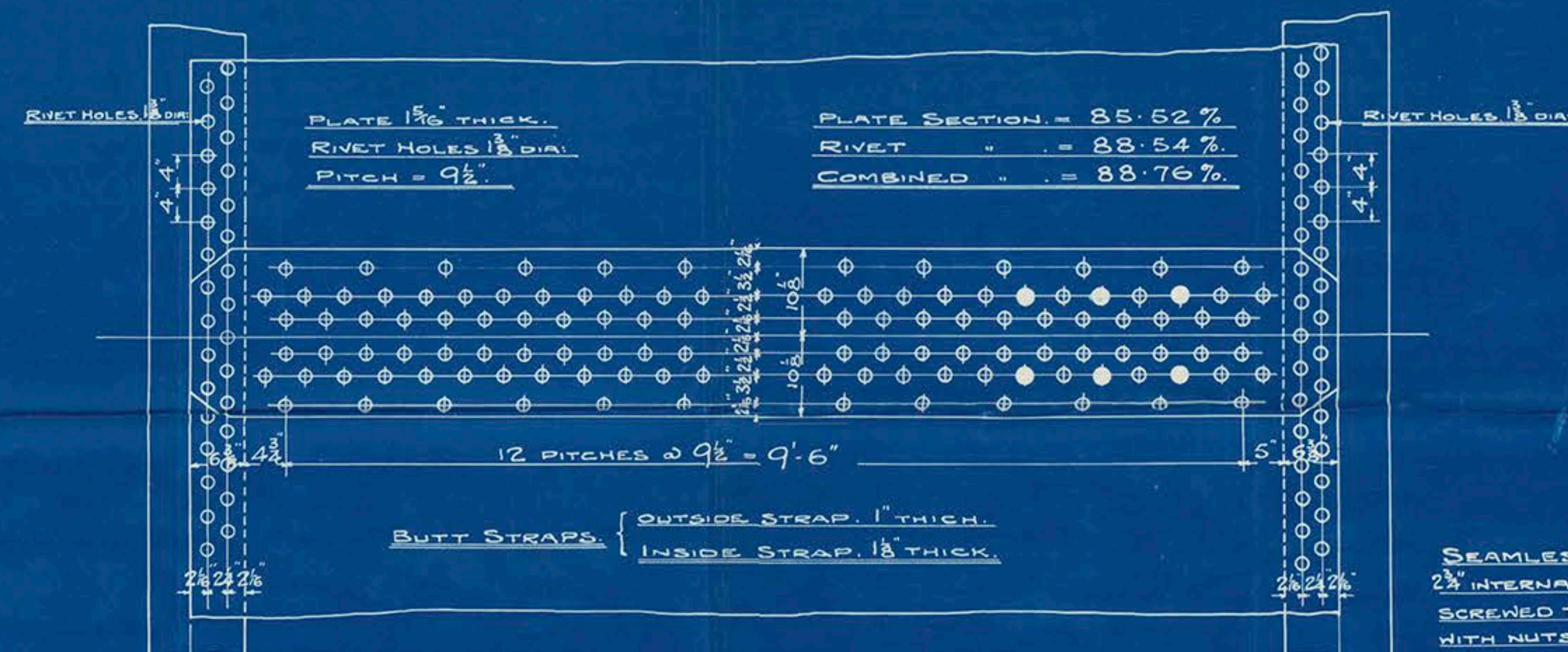
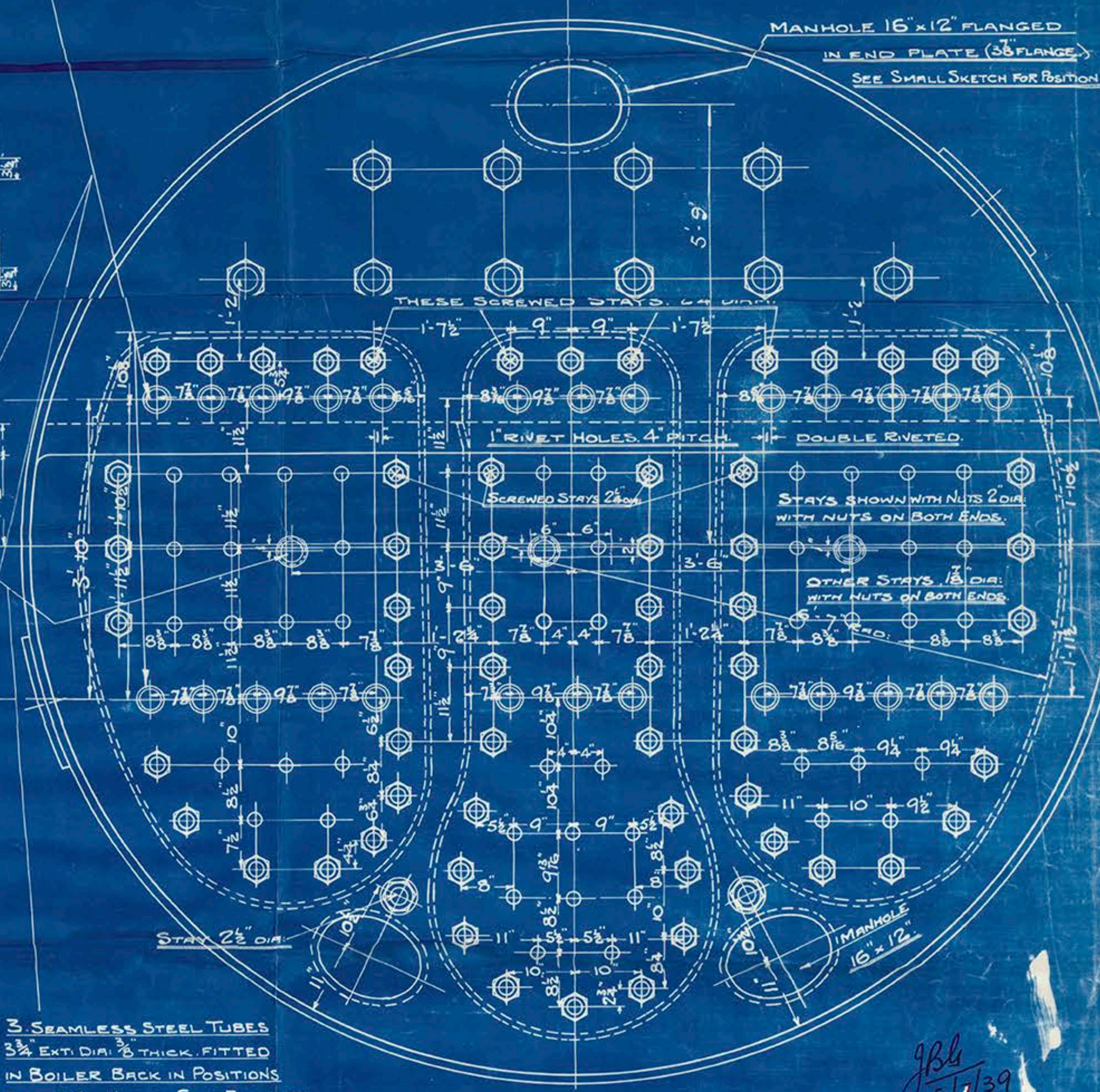
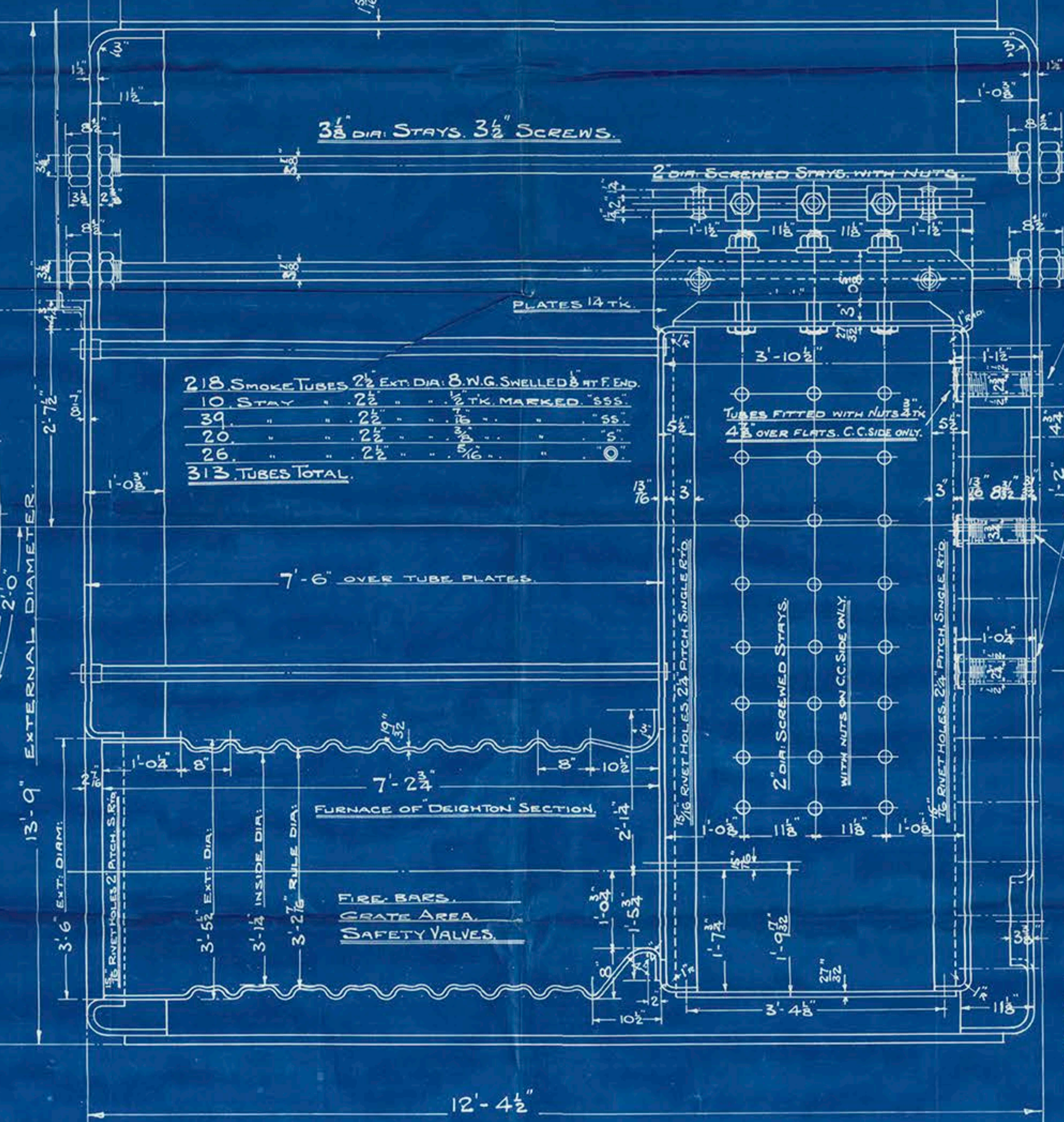
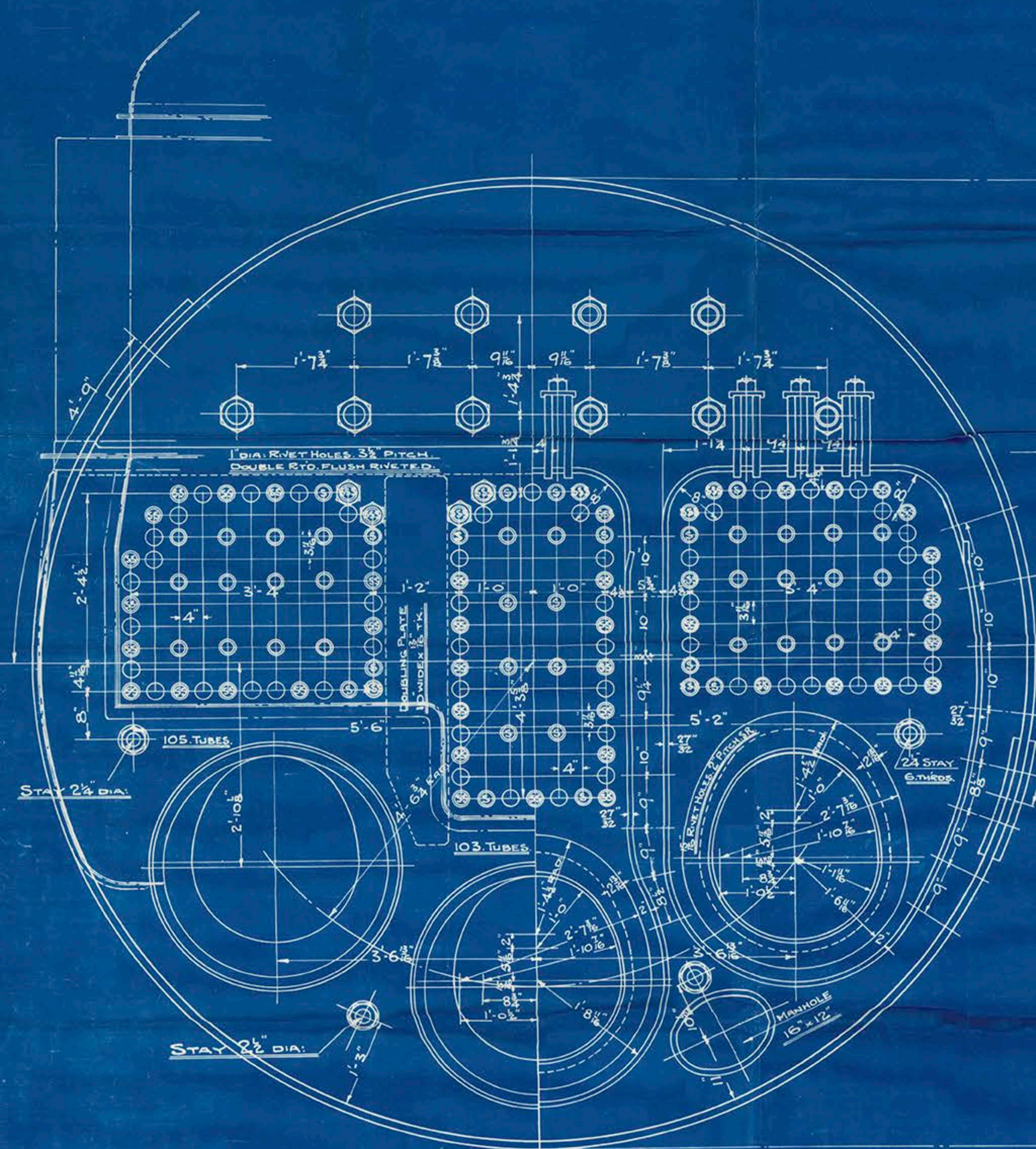


WRITTEN DIMENSIONS ONLY TO BE TAKEN.



SEAMLESS STEEL TUBES.  
2 3/4" INTERNAL DIA. x 1/2" THICK, &  
SCREWED THRO' BOTH PLATES.  
WITH NUTS ON COM. CHAM. ENDS  
FOR TO PASS SUPERHEATER  
HEADER PIPES FROM COM. CHAM.  
- SCREWED 9 THRO'S PER IN.  
EFFECTIVE AREA 394 sq. in.

TO PASS LLOYD'S SURVEY.		
SHELL =	29 (42" - 21) 55" 55"	222 LBS PER FT.
WORKING PRESSURE.	27 " - 105 " 55 "	
TEST	" " "	380 " " "
HEATING SURFACE ON TUBES.	" " "	1500 SQ. FEET.
" " OTHER PARTS.	" " "	452 " " "
" " TOTAL.	" " "	1952 " " "
EX. FRONT TUBE PLATE.	" " "	1920 " " "
EFFECTIVE AREA OF STAYS.		
22. STAY TUBES $\frac{1}{2}$ TH.	9 THEADS PER INCH	259 SQ. INCHES.
22. " " " $\frac{3}{8}$ " .9	" " " "	2.31 " " "
22. " " " $\frac{3}{8}$ " .9	" " " "	1.96 " " "
22. " " " $\frac{3}{8}$ " .9	" " " "	1.6 " " "
35. MAIN STAYS. 6	" " " "	7.67 " " "
22. " " " .6	" " " "	4.11 " " "
22. " " " .6	" " " "	3.26 " " "
22. SCREWED " .9	" " " "	3.49 " " "
22. " " " .9	" " " "	<del>3.09</del> " " "
2. " " " .9	" " " "	2.71 " " "
12. " " " .9	" " " "	2.56 " " "
ALL PLATES, RIVETS & STAYS - STEEL.		
TUBES - BEST QUALITY SEAMLESS STEEL.		
HOLES TO BE DRILLED IN PLACE AFTER BENDING		
TENSILE STRENGTH OF SHELL PLATES, 29 TO 35 TONS.		
" " " BUTT STRAP	" 29 TO 33	" "
" " " GIRDER	" 29 TO 33	" "
" " " OTHER	" 26 TO 30	" "
" " " MAIN STAYS.	" 28 TO 32	" "
" " " SCREWED	" 26 TO 30	" "



3. SEAMLESS STEEL TUBES  
3 3/4" EXT. DIA. 3/8" THICK FITTED  
IN BOILER BACK IN POSITIONS  
SHOWN. FOR HOUSING SOOT BLOWERS.  
- SCREWED 9 THREADS PER INCH -  
EFFECTIVE AREA = 3.14 sq.

DRAWN BY J.A.S.  
TRACED BY  
CHECKED BY 19-11-1937

**DRAWING N° 10294.**

CONTRACT 2957.	2.0FF.
CONTRACT 2939.	2.0
CONTRACT 2920.	2.0



The R. E. Nade Eng. Co.  
Cor. 2957.  
Boilers

J. L. Thompson's  
No. 599

"Shuttle"   
 SUNDERLAND RPT. NO 32912



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