

28/2/08

SUNDERLAND ENGINE WORKS

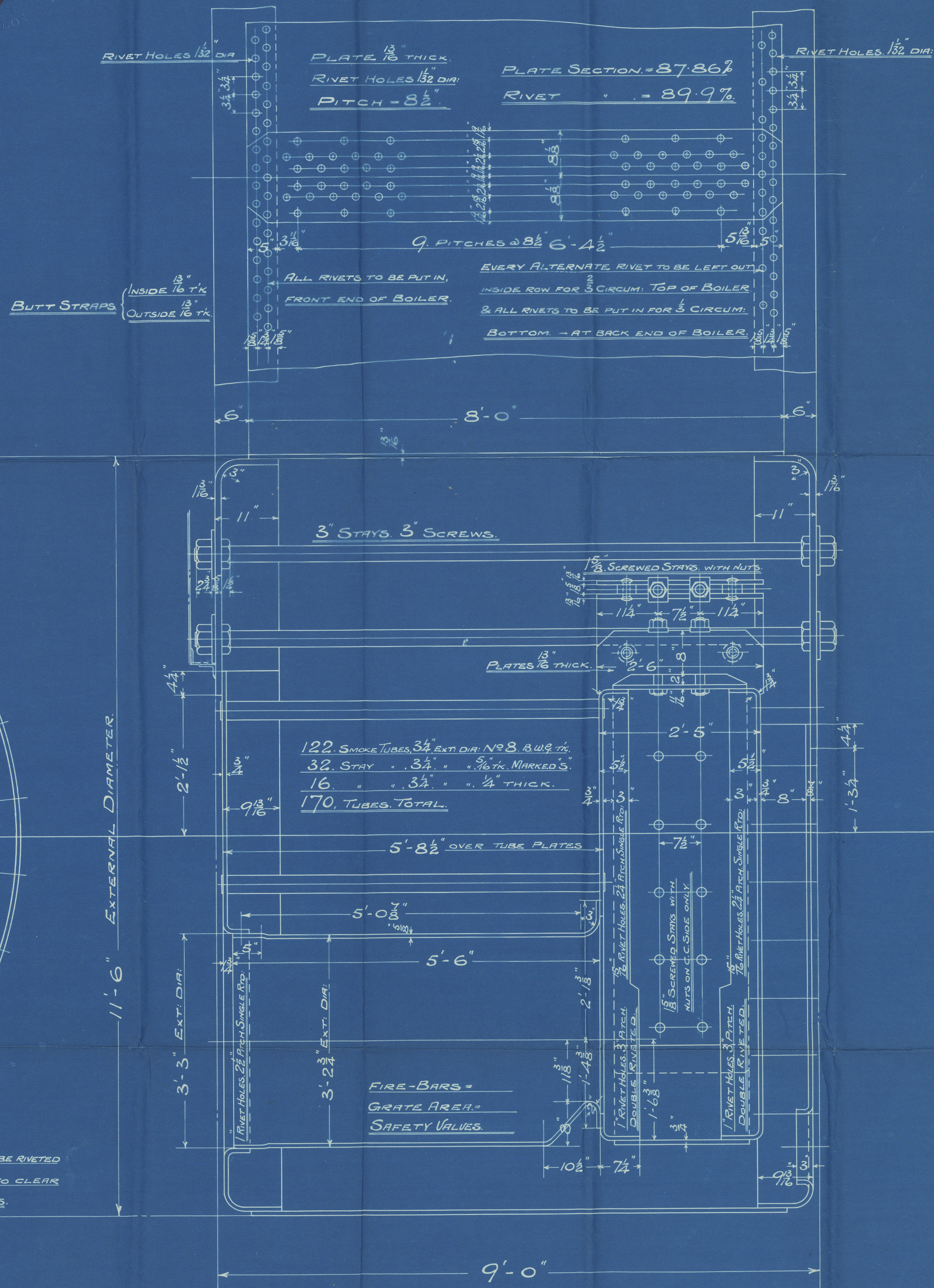
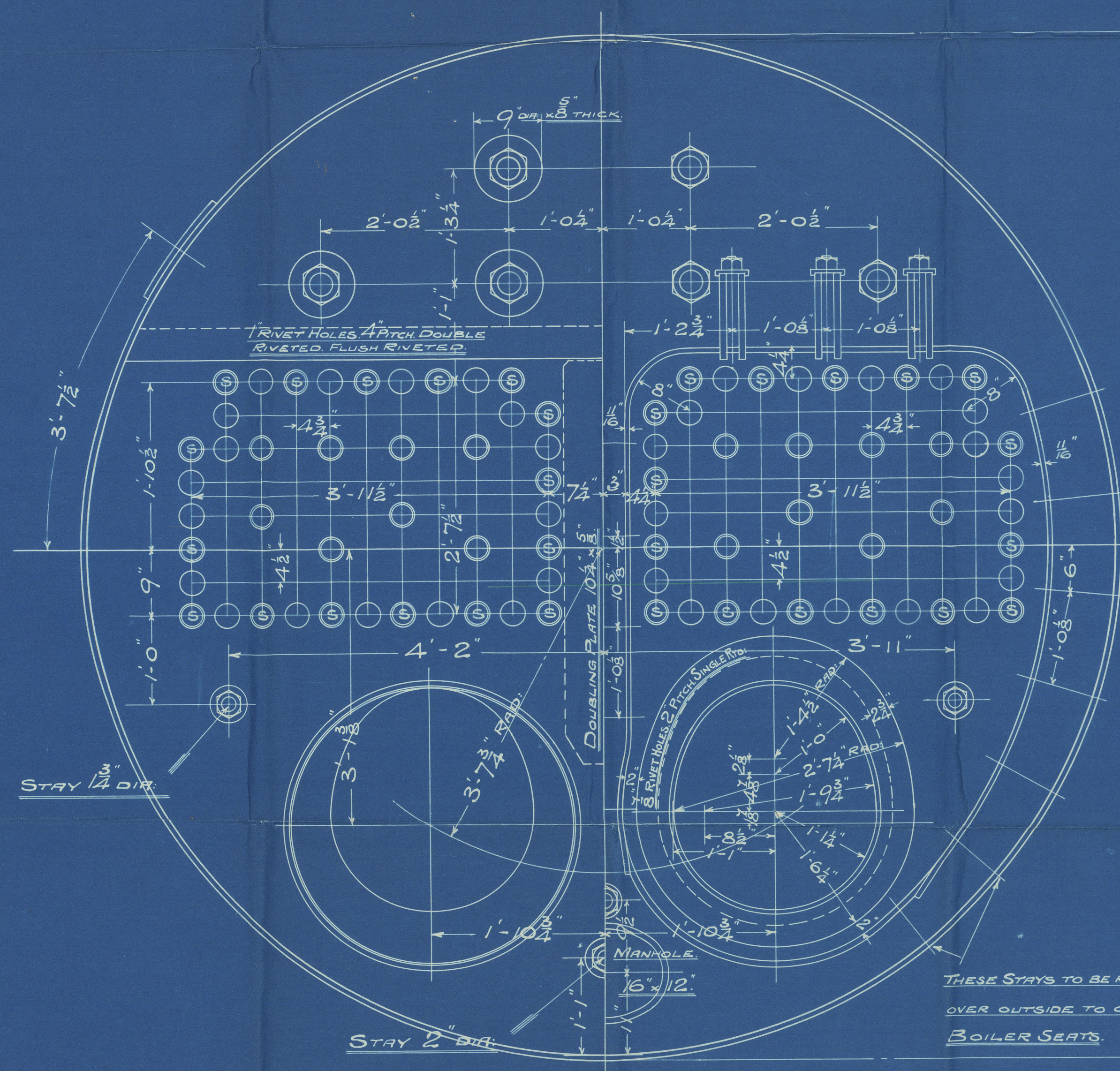
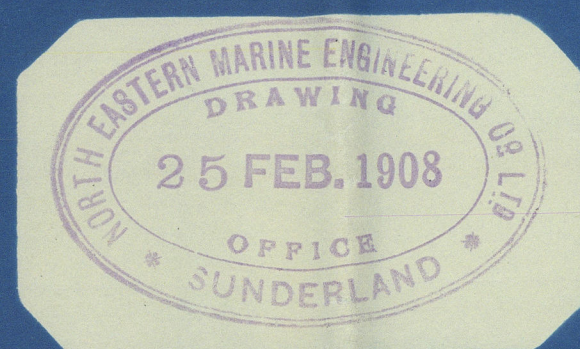
BOILER

TRACING 2643

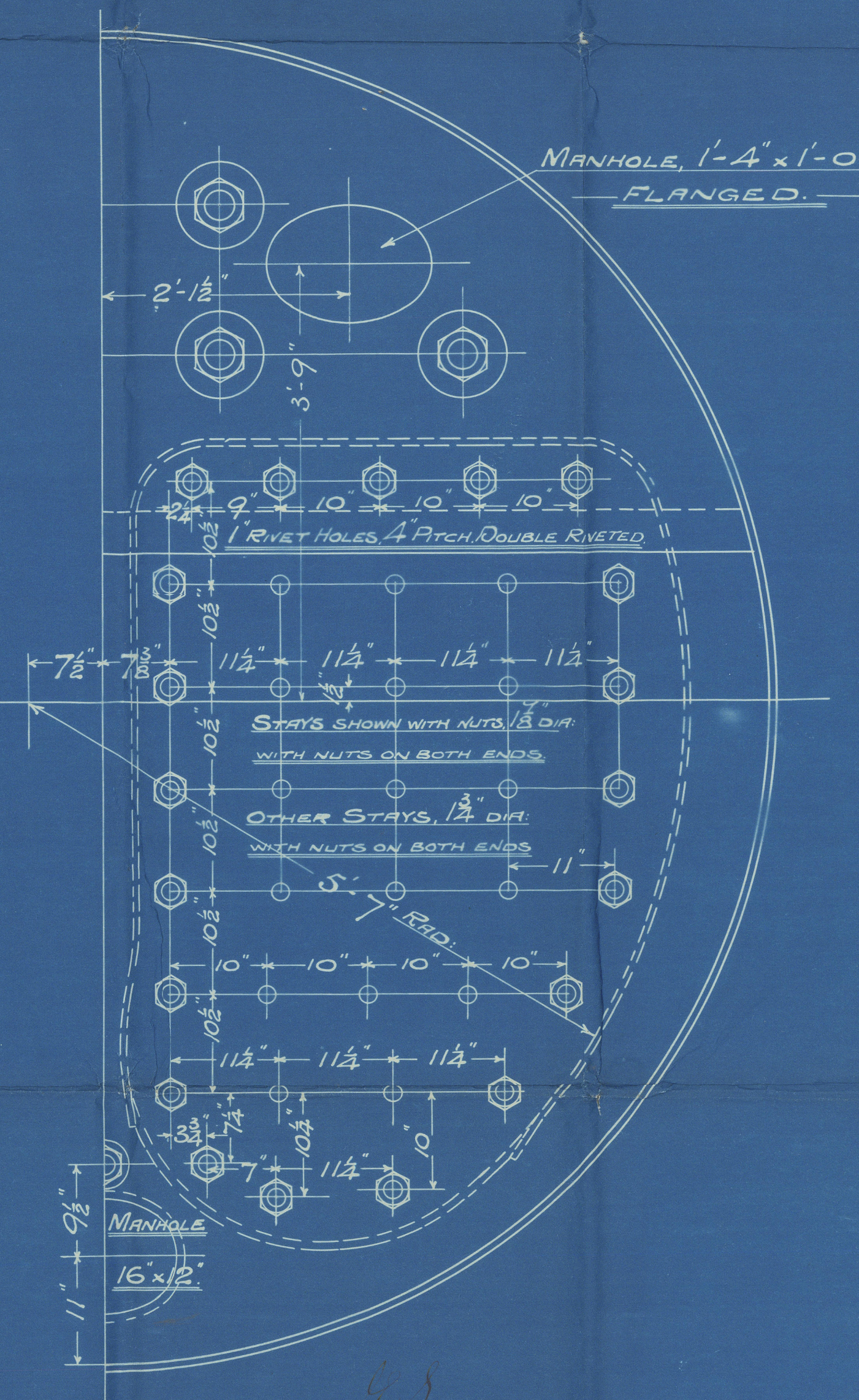
SCALE - 1 INCH TO A FOOT

SCHEDULE "L"

WRITTEN DIMENSIONS ONLY TO BE TAKEN



TO PASS LLOYD'S SURVEY.	
SHELL - 22.58 (13-2) 87.86	160 LBS PER " "
136.375	
WORKING PRESSURE =	160 " " "
TEST " =	320 " " "
HEATING SURFACE ON TUBES	827 SQ. FT.
" " OTHER PARTS	251 " " "
" " TOTAL =	1078 " " "
EX. FRONT TUBE PLATE =	1050 " " "
EFFECTIVE AREA OF STAYS.	
3 1/2" STAY TUBES 16" x 9" THREADS PER INCH	217 SQ. INCHES.
3 1/2" " " 4" x 9" " " " "	164 " " "
3" MAIN STAYS 6 " " " "	6.1 " " "
2" " " 6 " " " "	2.51 " " "
1 1/2" " " 6 " " " "	1.85 " " "
1/8" SCREWED " 11. " " " "	2.43 " " "
1 1/2" " " 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, NOT LESS THAN 28 1/2 TONS.	
" " " MAIN STAYS " " " "	28 " " "
" " " GIRDER PLATES " " " "	28 " " "



DRAWN BY J.A.S.
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CONTRACT 1839. 2 OFF.



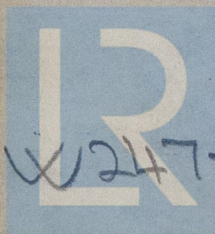
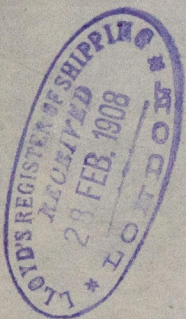
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W247-0115

Mr. "Jim"
(ex of Hampshire)

Ed rpt No 23804

Boiler plan.



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