

SUNDERLAND ENGINE WORKS.

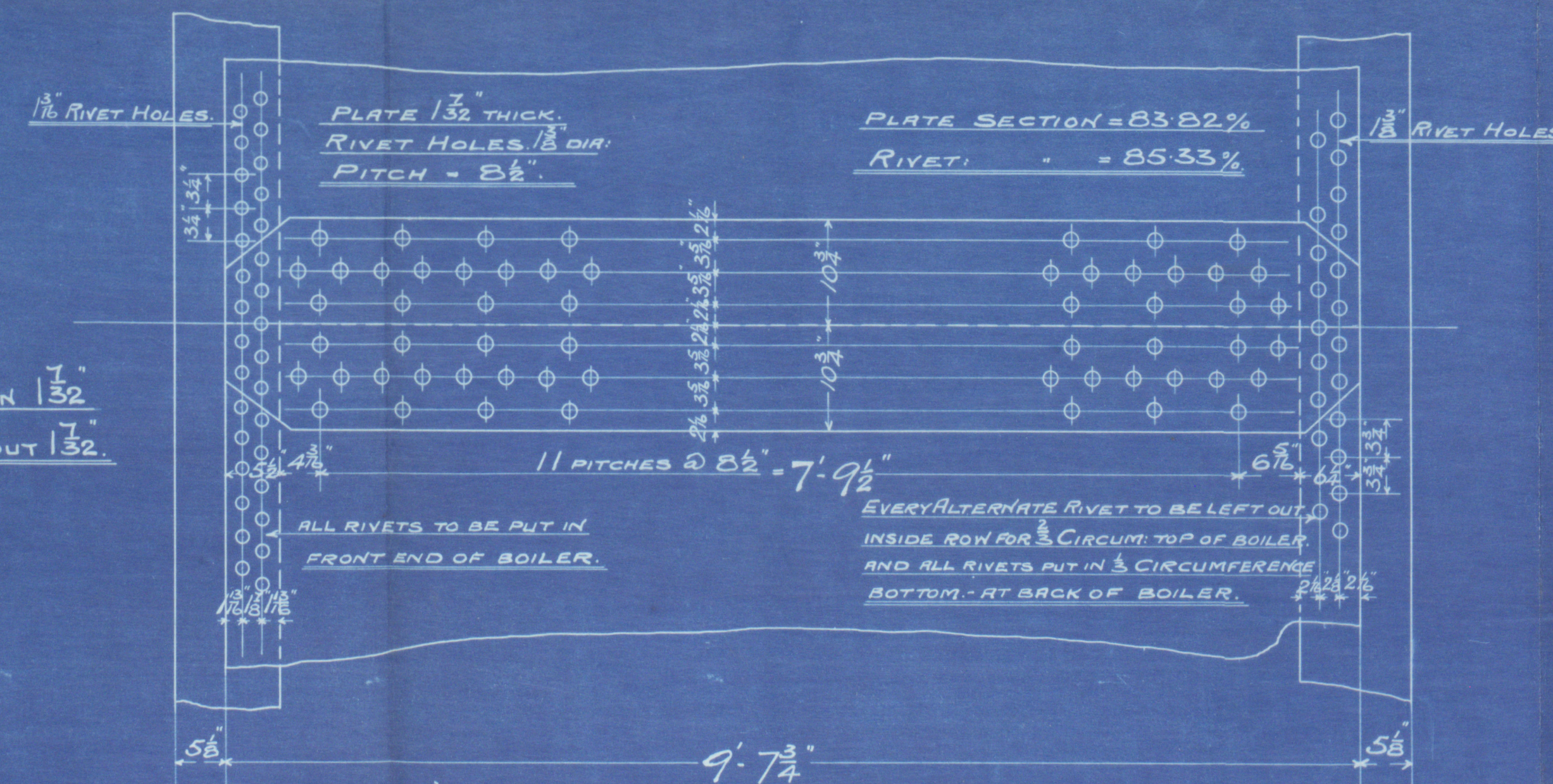
BOILER.

TRACING 60. SCALE: 1/4" = 1' SCHEDULE L.

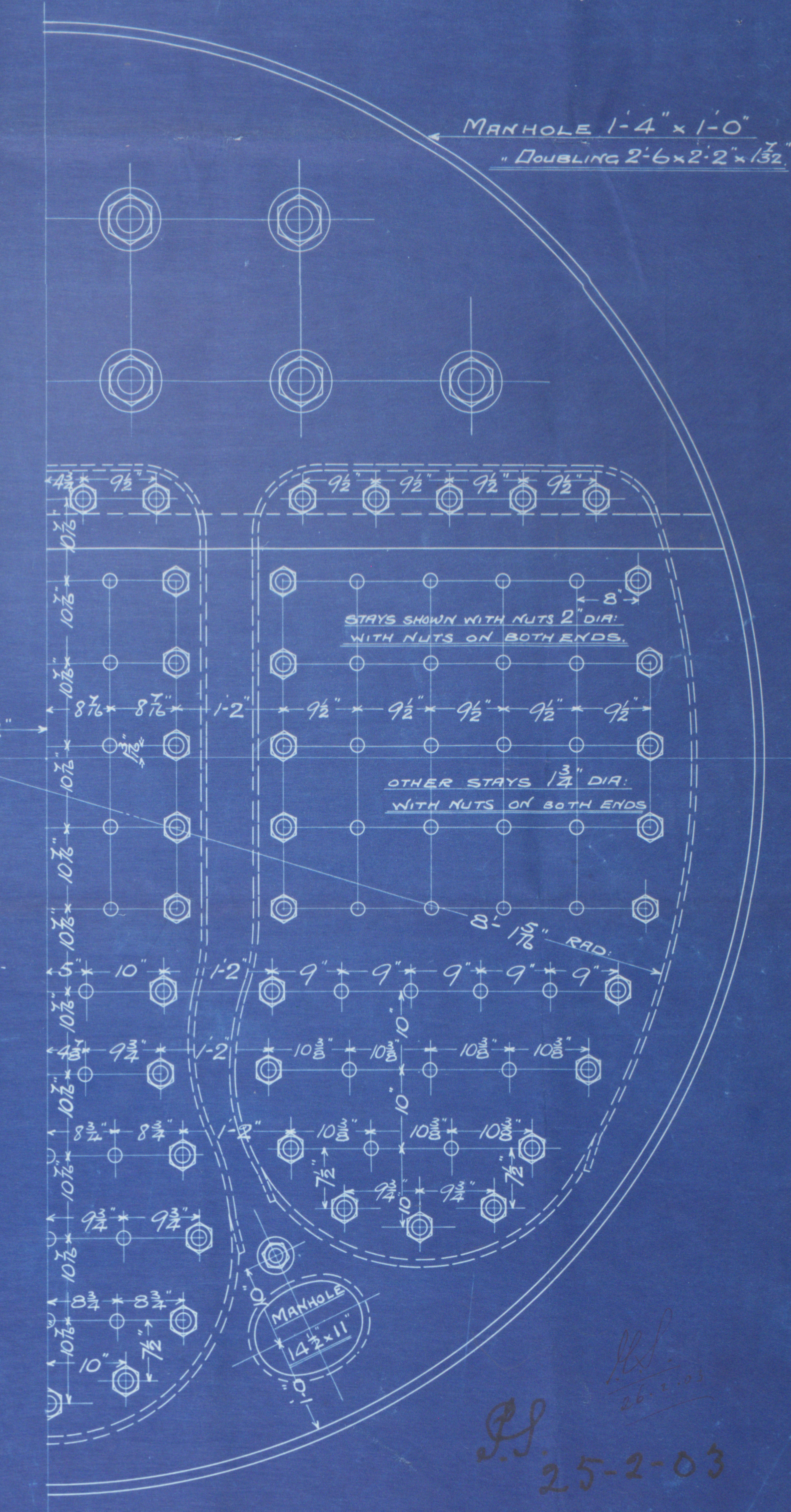
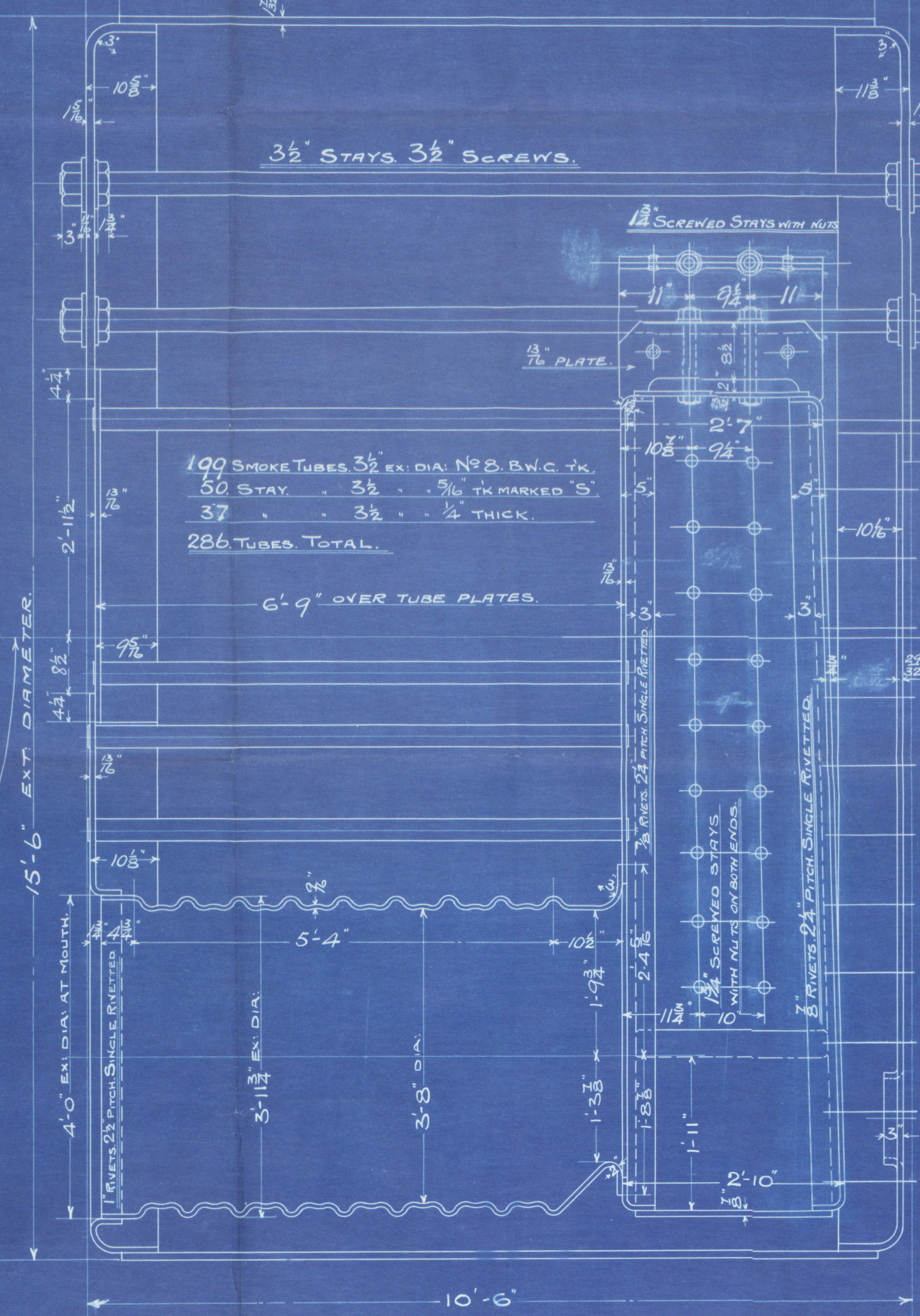
WRITTEN DIMENSIONS ONLY TO BE TAKEN.



BUTT STRAPS
IN 1/32"
OUT 1/32"



LLOYD'S	22.55 (19.5-2) x 23.22	180.19 LBS
WORKING PRESSURE		180 LBS
TEST		360 "
HEATING SURFACE ON TUBES		1770.7 #
" " OTHER PARTS		481.9 "
" TOTAL		2252.6 "
EX. FRONT TUBE PLATE		2208.6 "
EFFECT. AREA OF STAYS		
3 1/2" STAY TUBES 3/16" THICKS PER IN		2.17 SQ. IN.
3 1/2" " " 1/4" " " " " "		1.64 " "
3 1/2" MAIN STAYS 6 " " " "		8.48 " "
2 " " 6 " " " " "		2.51 " "
1 1/2" " " 6 " " " " "		1.85 " "
2 SCREWED " 11 " " " " "		2.79 " "
1 1/2" " " 11 " " " " "		2.1 " "
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 "		



CONTRACT 1477.2 OFF.



Messrs The North Eastern Mar. Eng. Co., Ltd,

Contract No 1477

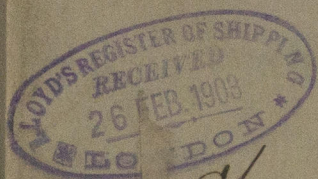
Boiler for

Messrs Antwerp Shipbuilding Co's

S. S. No 23

W. P. = 180 lbs.

"Rosina"
Ant 5962



S/S

Sld. Apt No 21606.

RETAIN



Handwritten signature in red ink.

W468-0294



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Lloyd's Register
Foundation