

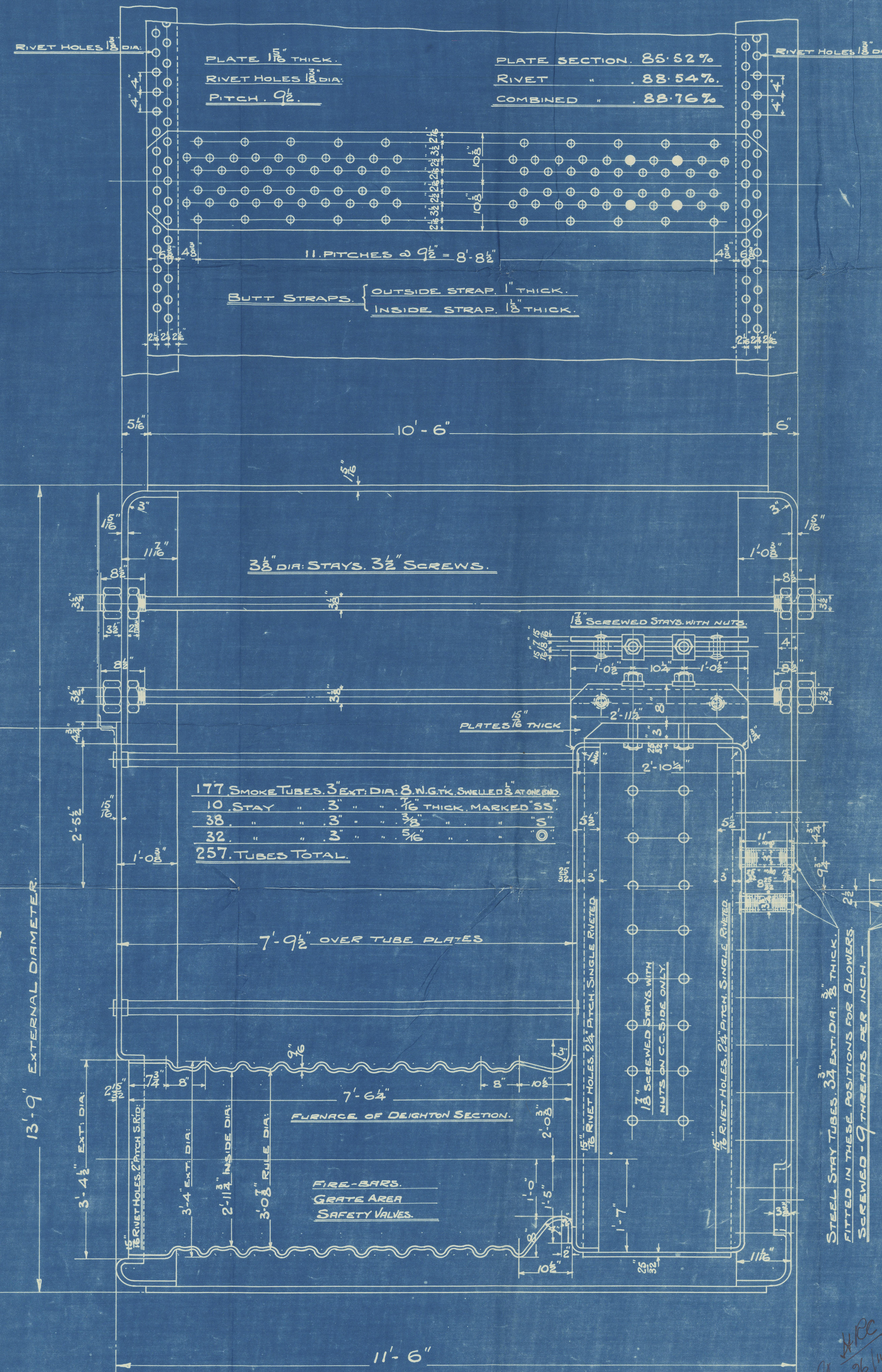
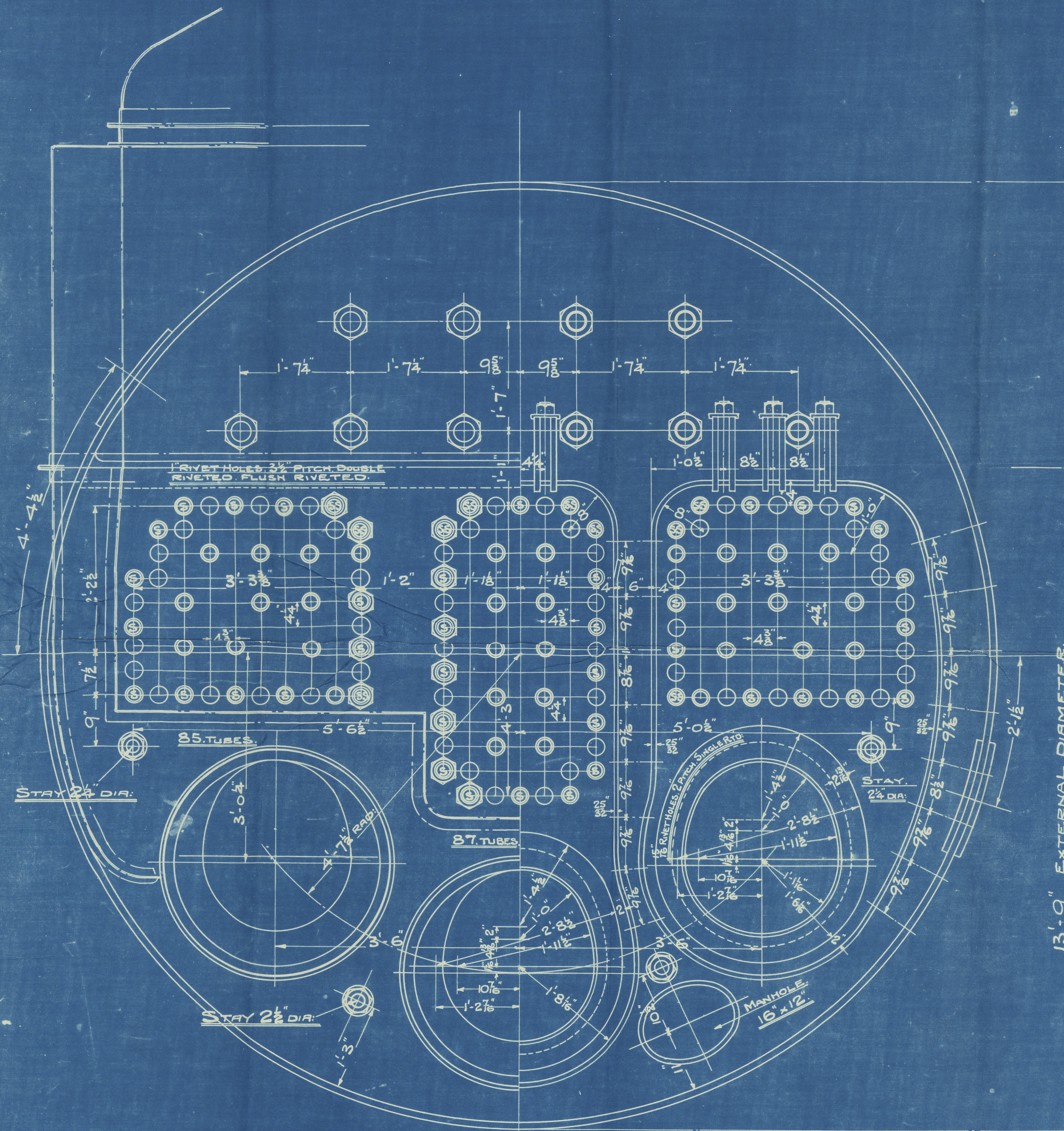
# THE NORTH EASTERN MARINE ENGINEERING CO. LTD.

## SUNDERLAND. BOILER.

SCALE 1 INCH TO A FOOT. SCHEDULE "L."

WRITTEN DIMENSIONS ONLY TO BE TAKEN.

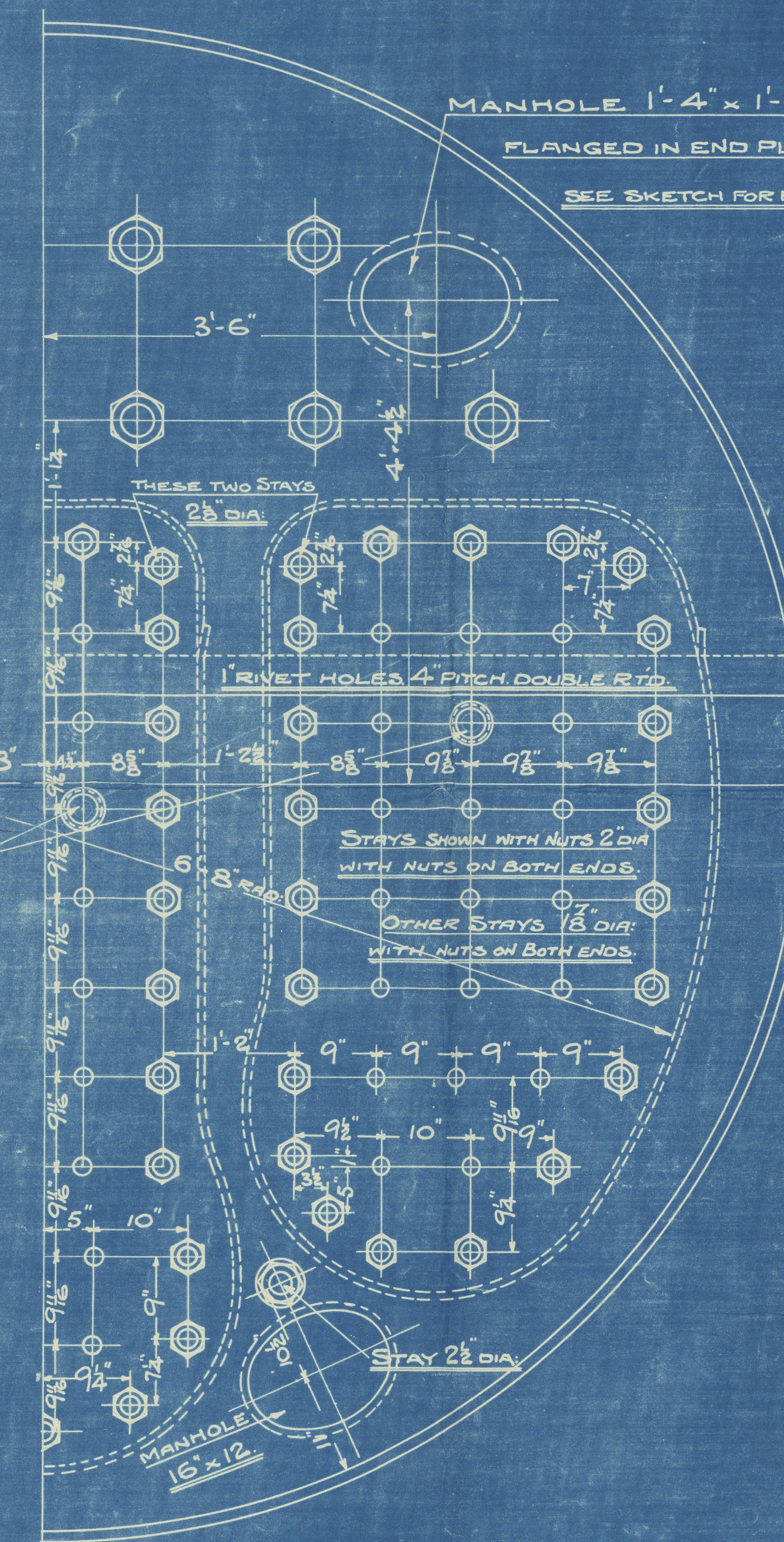
APPROVED BY "LLOYD'S" - JAN 30<sup>th</sup> 1935.



TO PASS LLOYD'S SURVEY		
SHELL - 2 1/2" x 162.575	=	222 LBS PER SQ. IN.
WORKING PRESSURE -	=	220 " " "
TEST " " "	=	380 " " "
HEATING SURFACE ON TUBES	=	1550 SQ. FEET
" " OTHER PARTS	=	400 " " "
" " TOTAL	=	1950 " " "
Ex: FRONT TUBE PLATE	=	1926 " " "
EFFECTIVE AREA OF STAYS	=	
3" STAY TUBES 7/8" x 9" THREADS PER INCH	=	2.86 SQ. INCHES
3" " " 5/8" x 9" " " "	=	2.43 " " "
3" " " 3/8" x 9" " " "	=	1.98 " " "
38" MAIN STAYS 6" " " "	=	7.67 " " "
24" " " 6" " " "	=	4.11 " " "
24" " " 6" " " "	=	3.26 " " "
24" SCREWED 9" " " "	=	3.09 " " "
2" " " 9" " " "	=	2.71 " " "
1 1/2" " " 9" " " "	=	2.36 " " "

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 33 TONS Q.	
" " BUTT STRAP	29 TO 33 " " "
" " GIRDER	28 TO 32 " " "
" " ALL OTHER	26 TO 30 " " "
" " MAIN STAYS	28 TO 32 " " "
" " SCREWED	26 TO 30 " " "



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CHECKED BY...

CONTRACT 2878 2 OFF  
CONTRACT 2877 2 OFF  
CONTRACT 2822 2 OFF

DRAWING N° 9297



SUNDERLAND.

Messrs. The N. E. Marine Eng, Co.,

Lon. 28 48

Messrs. Sir James Laing & Sons,

No. 418

Main Boilers



"Yenstone".

SUNDERLAND RPT. NO. 32301.



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Foundation