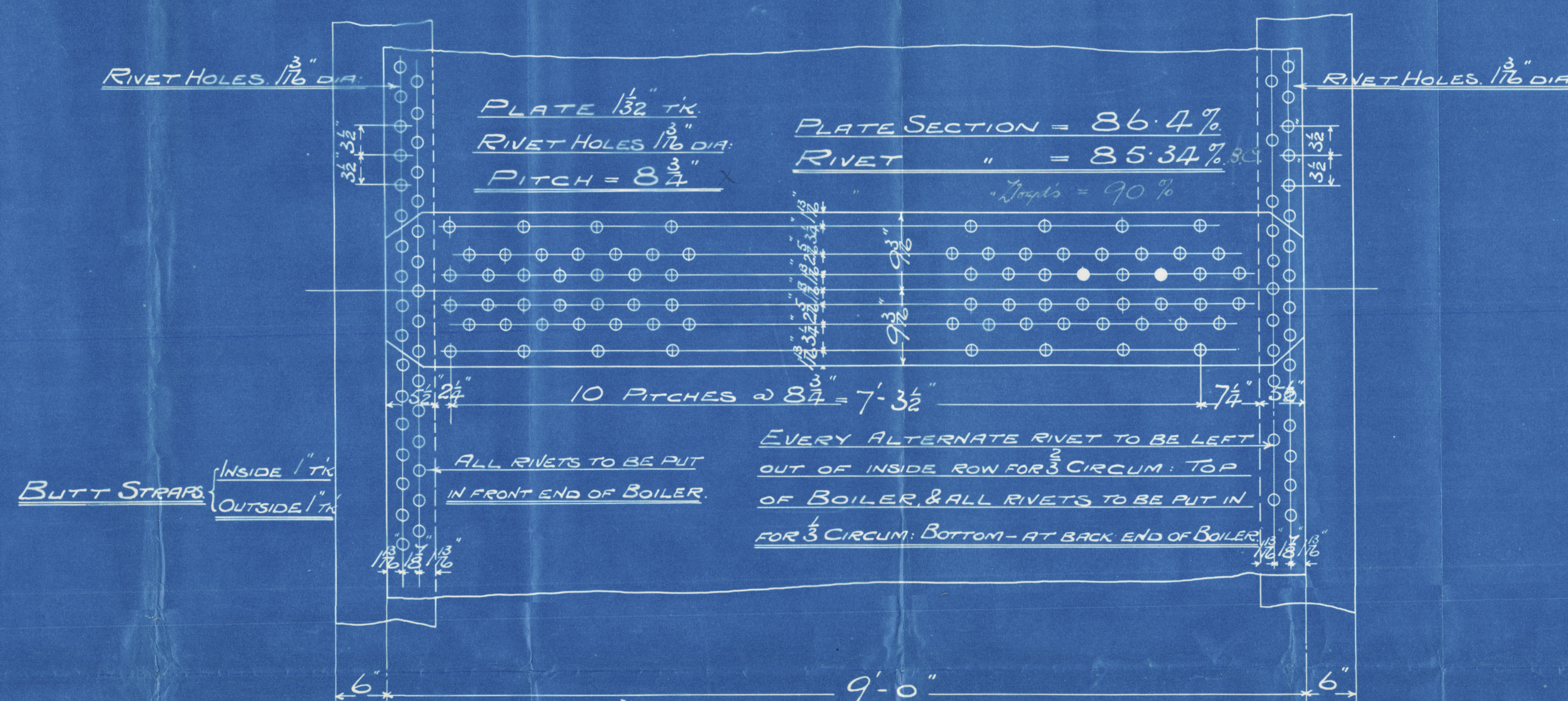


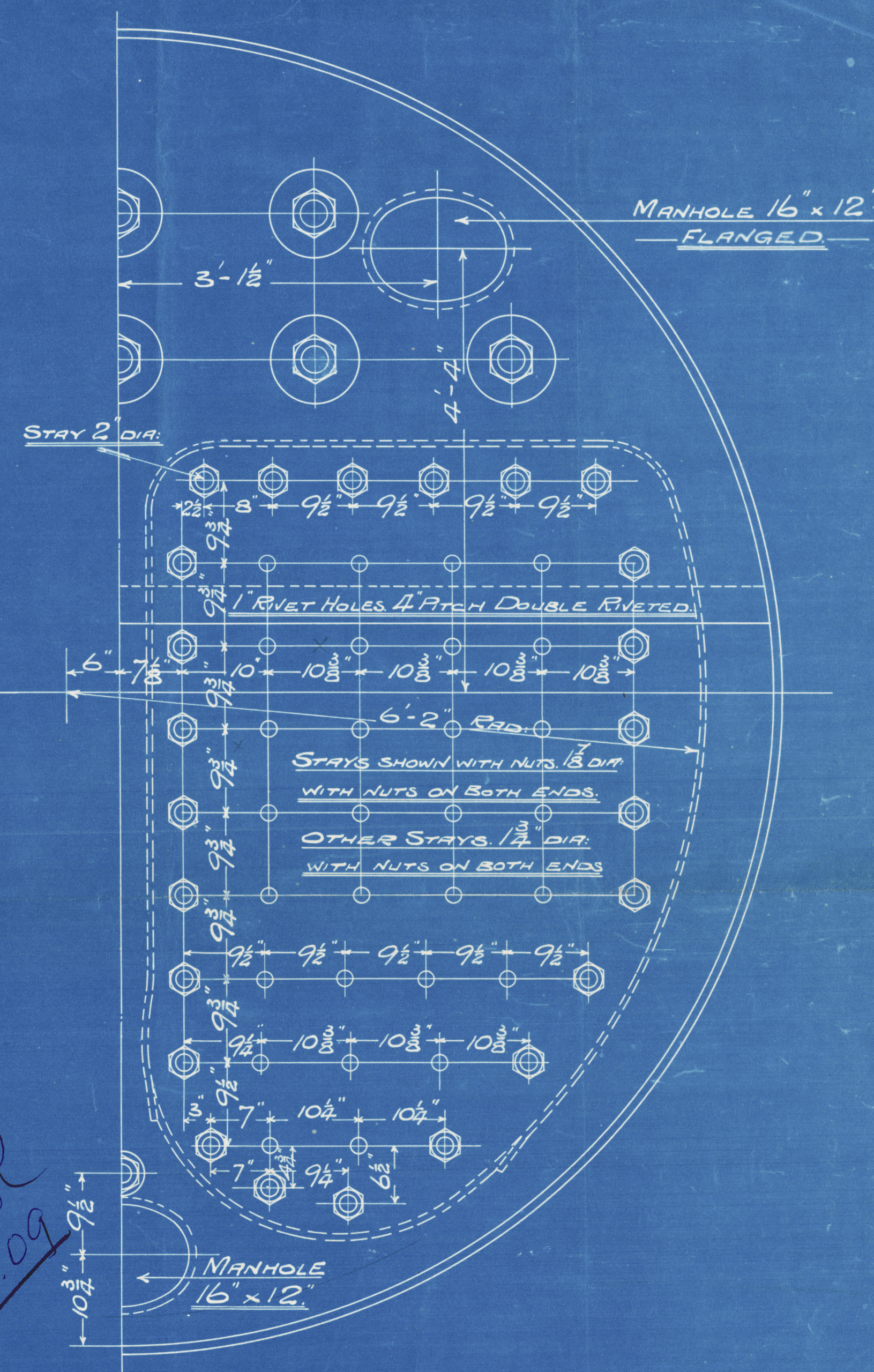
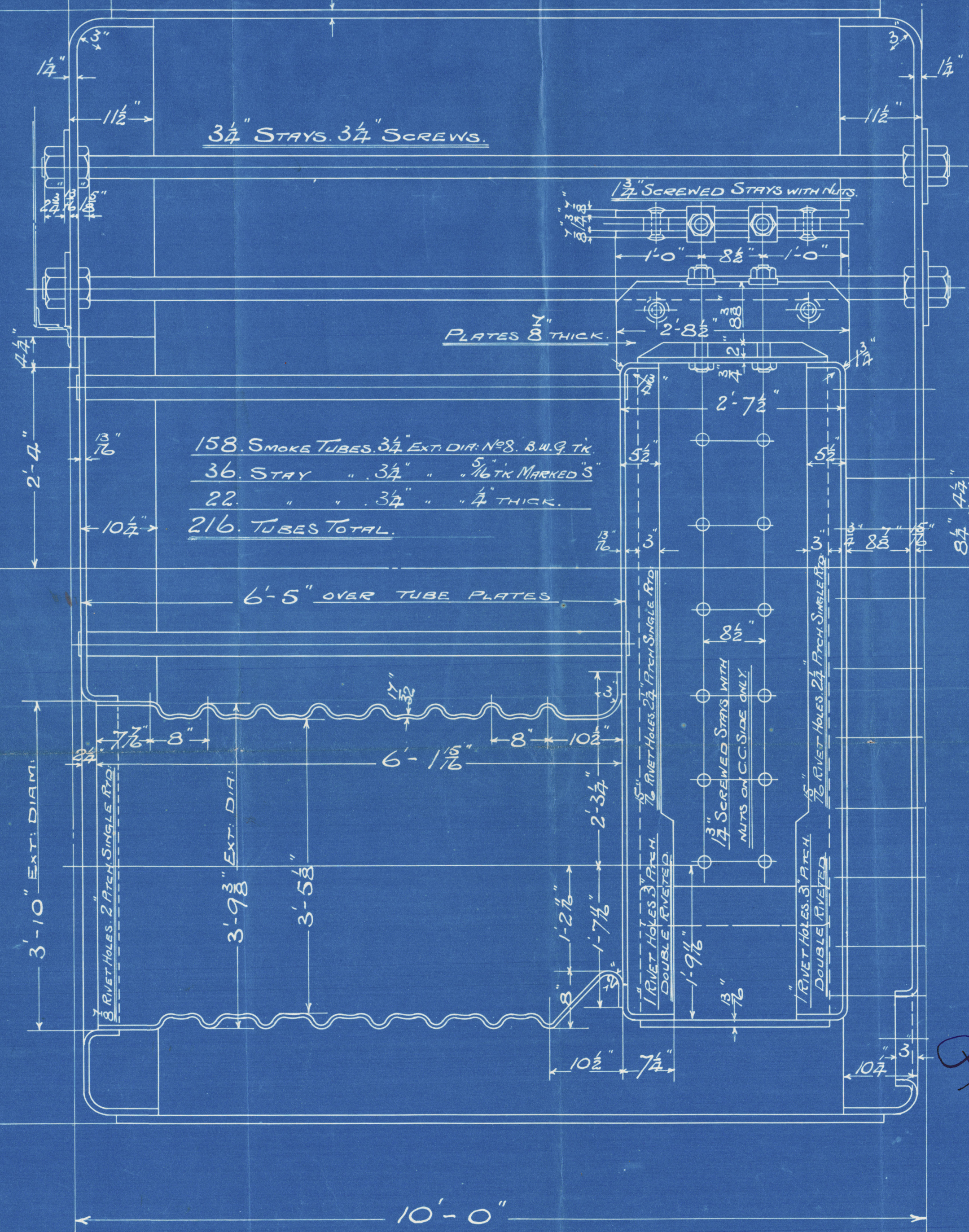
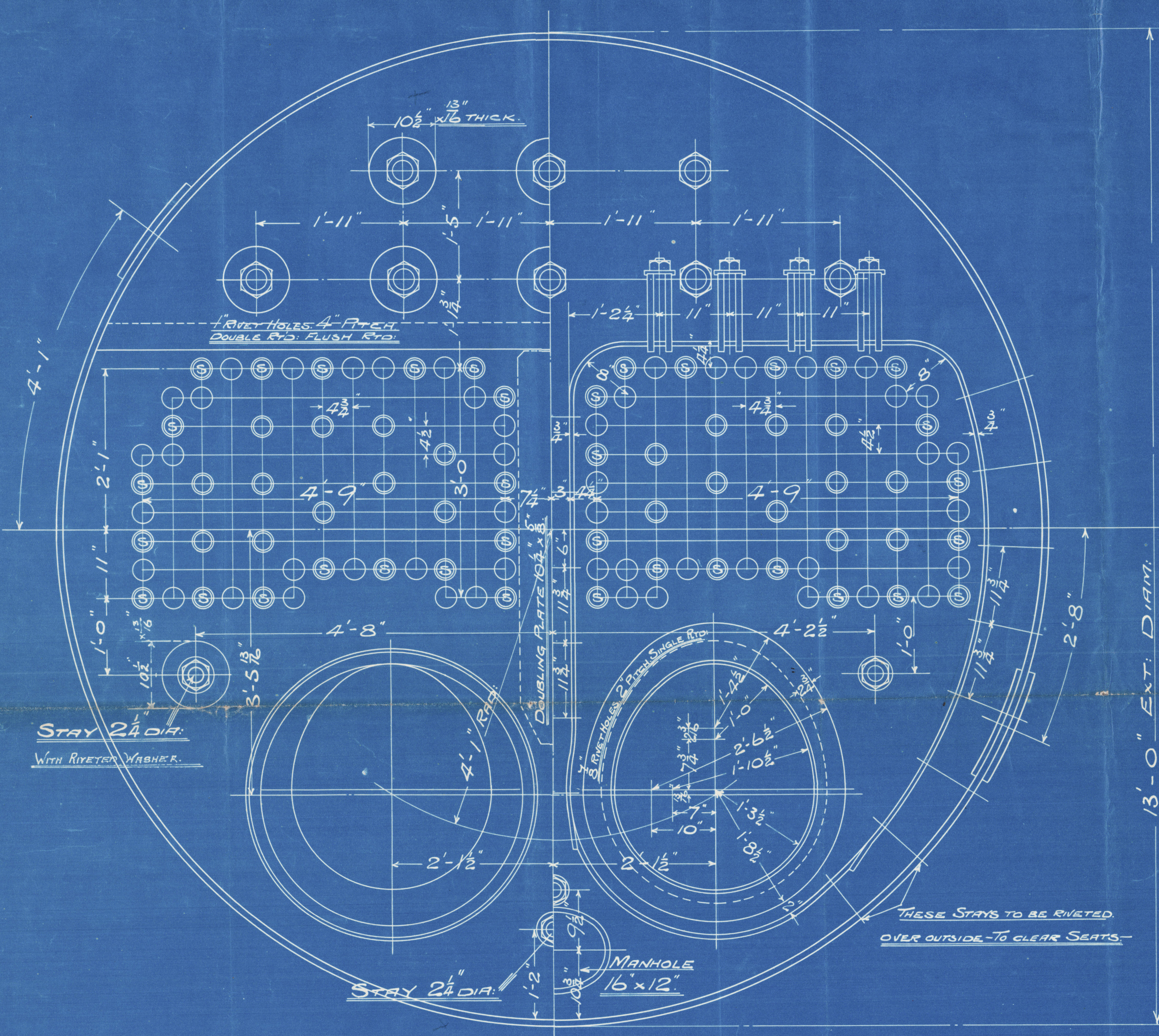
SUNDERLAND ENGINE WORKS

BOILER
TRACING 2951. SCALE, 1" INCH TO FOOT. SCHEDULE "L"

WRITTEN DIMENSIONS ONLY TO BE TAKEN



LLOYDS =	2258 (16.5 - 2) 8.6 4.7	=	182 LBS PER " 0
	53.9 9.3 5		
TO PASS "BRITISH CORPORATION" LLOYD'S			
SHELL =	20 466 (16.5 - 1) 85 3 1/2	=	130 LBS PER " 0
	153.9 3.7 5		
WORKING PRESSURE = 180 " " "			
TEST " " = 360 " " "			
HEATING SURFACE ON TUBES 1186 SQ. FT.			
"	"	OTHER PARTS	314 " " "
"	"	TOTAL.	1500 " " "
EX. FRONT TUBE PLATE 1470 " " "			
EFFECTIVE AREA OF STAYS			
3 1/2" STAY TUBES	8.6 TK 9 THREADS PER IN.		2.17 SQ. INS.
3 1/2" " "	4 " 9 " "		1.64 " " "
3 1/2" MAIN STAYS	6 " " "		7.24 " " "
2 1/4" " "	6 " " "		3.26 " " "
1 1/2" SCREWED	11 " " "		2.43 " " "
1 1/4" " "	11. " " "		2.1 " " "
ALL PLATES, RIVETS & STAYS - STEEL -			
TUBES - WROUGHT IRON			
HOLES TO BE DRILLED IN PLATE AFTER BENDING.			
TENSILE STRENGTH OF SHELL PLATES, NOT LESS THAN 288,000 LBS. PER SQ. IN.			
"	"	* GIRDER	" " " 28 " " "
"	"	" MAIN STAYS	" " " 28 " " "



DRAWN BY J. A. S.
CHECKED BY -
TRACED BY J. A. S.
CHECKED BY _____
TRACING No. 2951

11.1.09

CONTRACT 1865.2 OFF

Osbourne Graham W.
S/s 146.

S/s Montona

Sld 1st Entry rpt N° 24189



RETAIN



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