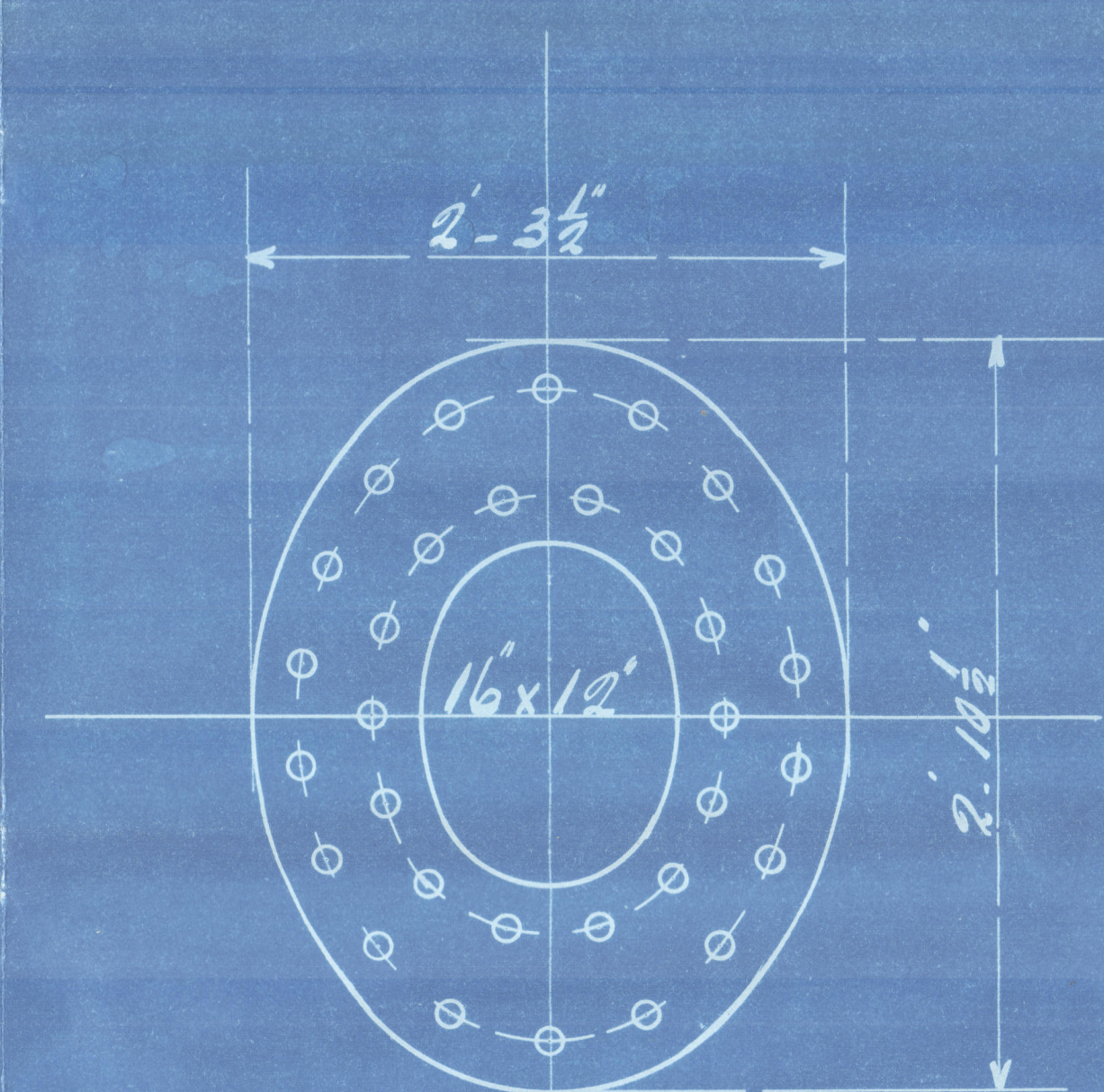
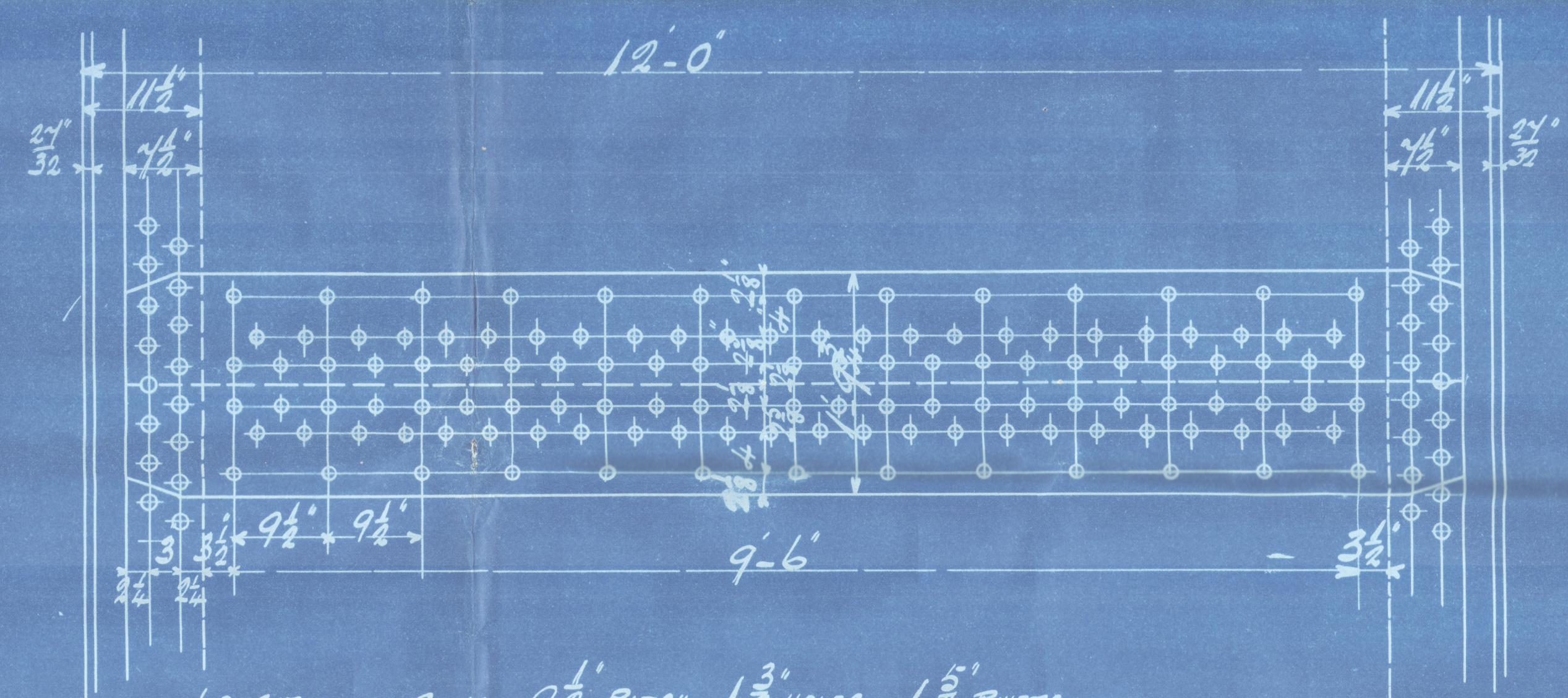


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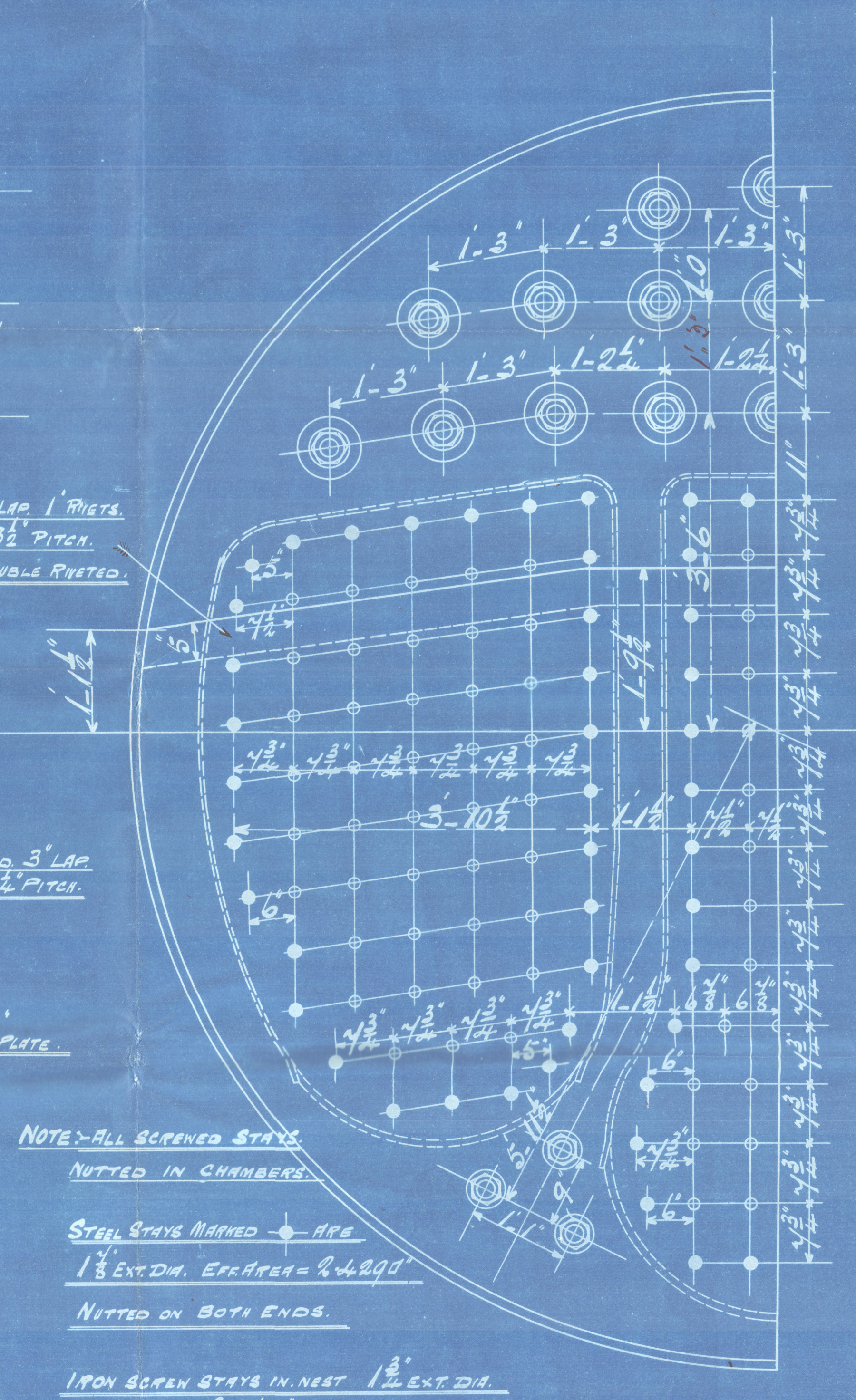
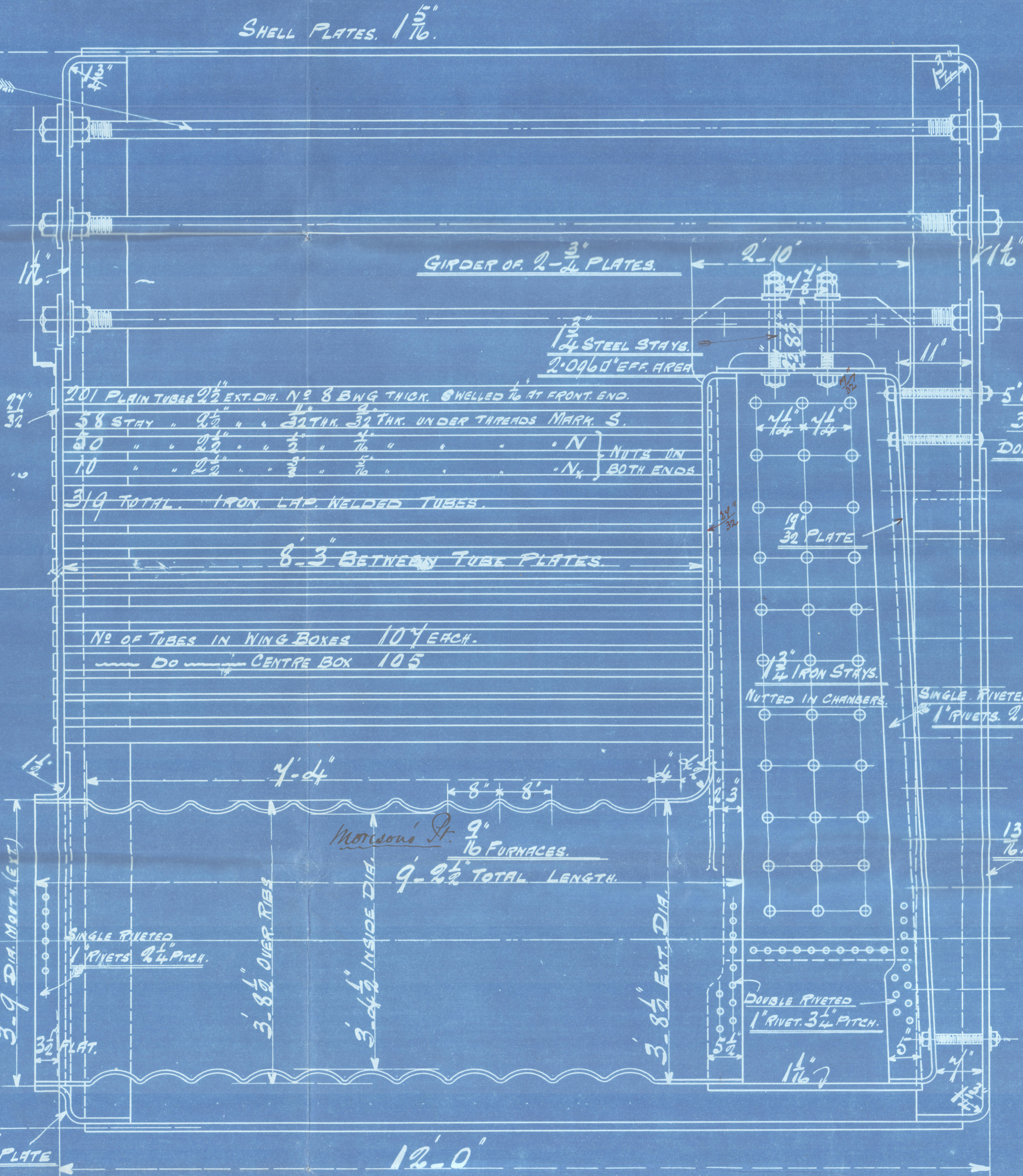
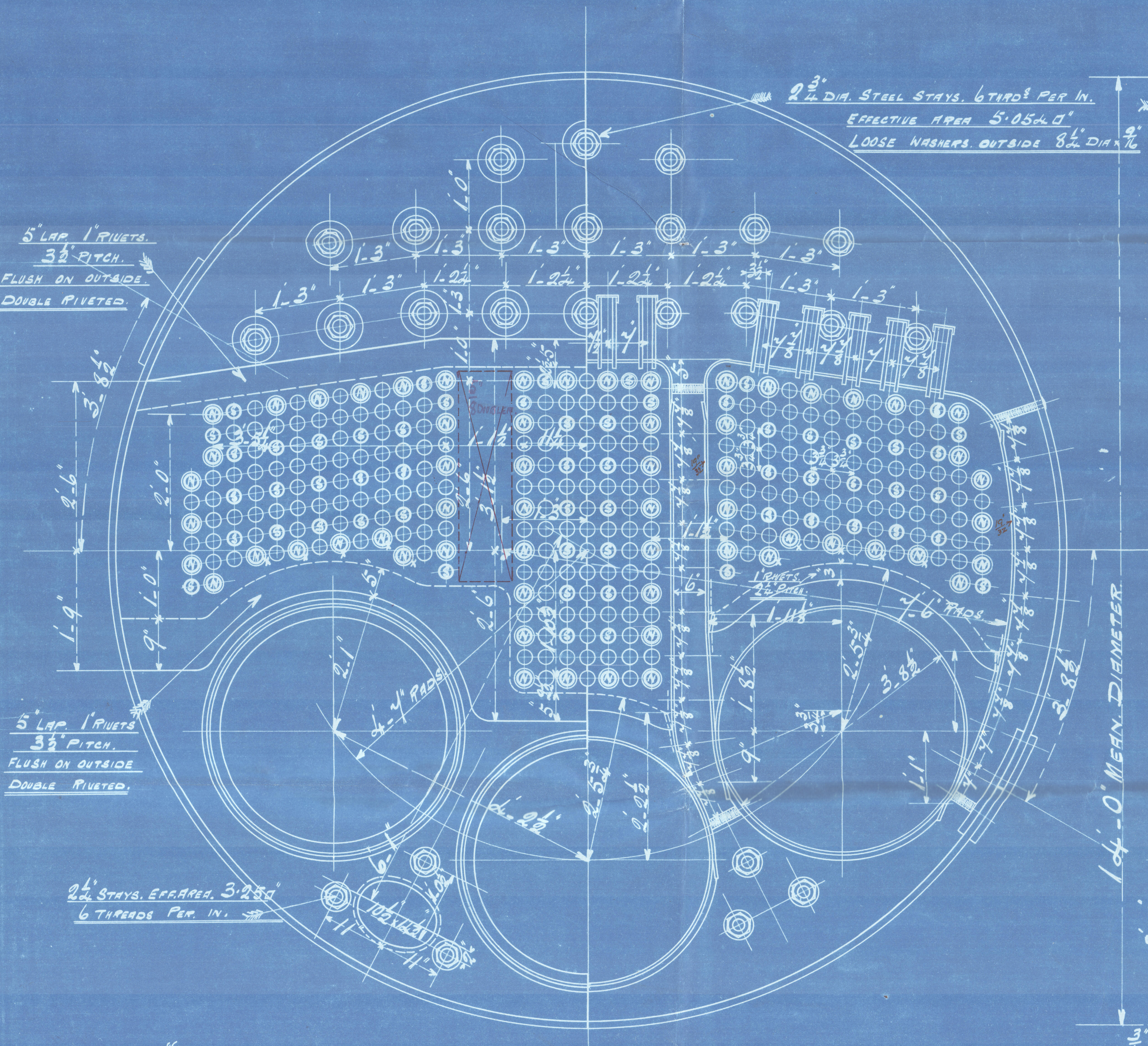
COMPENSATION PLATE
1 5/16" THICK 1 5/16" RIVETS



LONGITUDINAL SEAM. 9 1/2" PITCH. 1 3/8" HOLES. 1 5/16" RIVETS.
CIRCUMFERENTIAL SEAM. 4" . 1 1/2" HOLES. 1 7/16" RIVETS.

STEEL USED IN SHELL CALCULATIONS = 28 TONS = 44.8 KILOS.

PLATES.	HEATING SURFACE
SHELL 15'	TUBES 1720 SQ. FT.
TOP ENDS. 1 1/2'	FURNACES. 138 "
F. TUBE PLATE. 32'	FRONT TUBE PLATE. 29 "
BACK " 32'	CHAMBERS. 238 "
FURNACE FRONT. 4'	2125 # IN. 1 BLR.
FURNACES. 19'	3 OFF.
CONG. CHAM. TOP. 32'	6375 # TOTAL
" " BACK. 32'	
" " SIDES. 32'	
BUTT STRAPS. 1 5/16'	



NOTE - ALL SCREENED STAYS
NUTTED IN CHAMBERS.
STEEL STAYS MARKED ARE
1 1/2" EXT. DIA. EFF. AREA = 2.0660"
NUTTED ON BOTH ENDS.
IRON SCREEN STAYS IN NEST 1 1/2" EXT. DIA.
EFF. AREA = 2.0660"
NUTTED IN CHAMBERS ONLY.

TO BOARD OF TRADE, "LLOYDS" AND GERMAN GOVERNMENT REQUIREMENTS FOR A WORKING PRESS. OF 180 LBS.
TENSILE STRENGTH OF SHELL PLATES AND BUTT STRAPS 28-30 1/4 TONS D"
" " " " ALL OTHER PLATES TO BE 26-30 TONS D".

STEEL BOILERS N^o 149.

WORKING PRESSURE 180 LBS = 12.5 1/4 ATMS.
SCALE 1" = 1 FOOT.

3. OFF THUS.

Main Boilers.

Furness, Withey & Coys. £s 246.48

Furness Westgarth & Coys. N^o 149.48

Working press = 180 lbs.

2 wing boilers thus for £s 246

1 " " " " 248



£s Marbury

Indt report No 2825

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Foundation