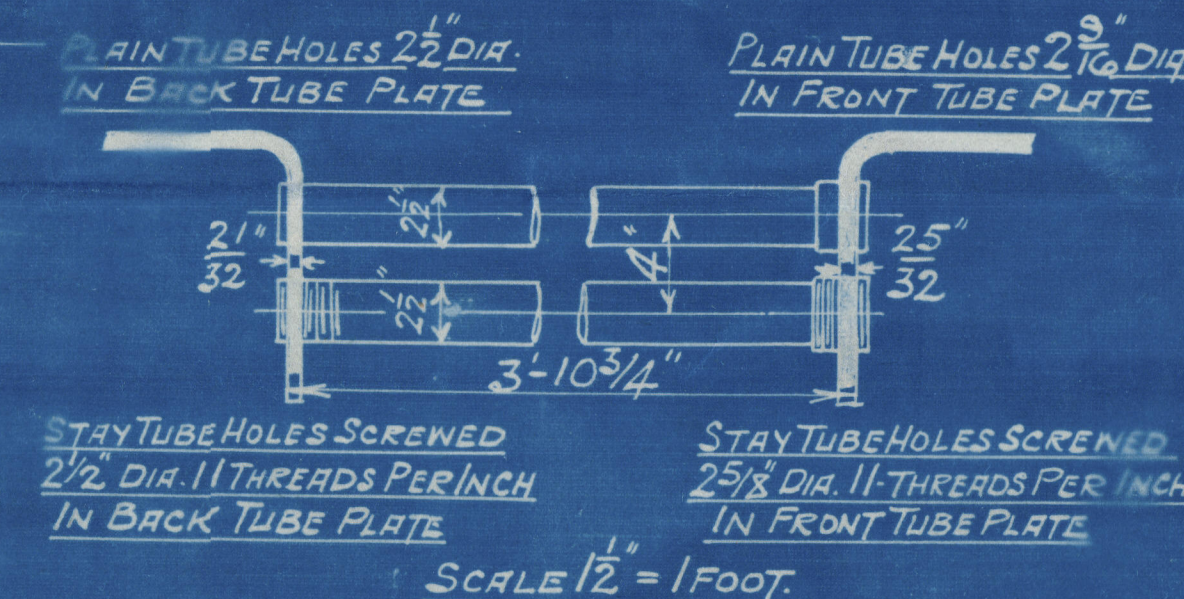


HORIZONTAL FLUE TUBES

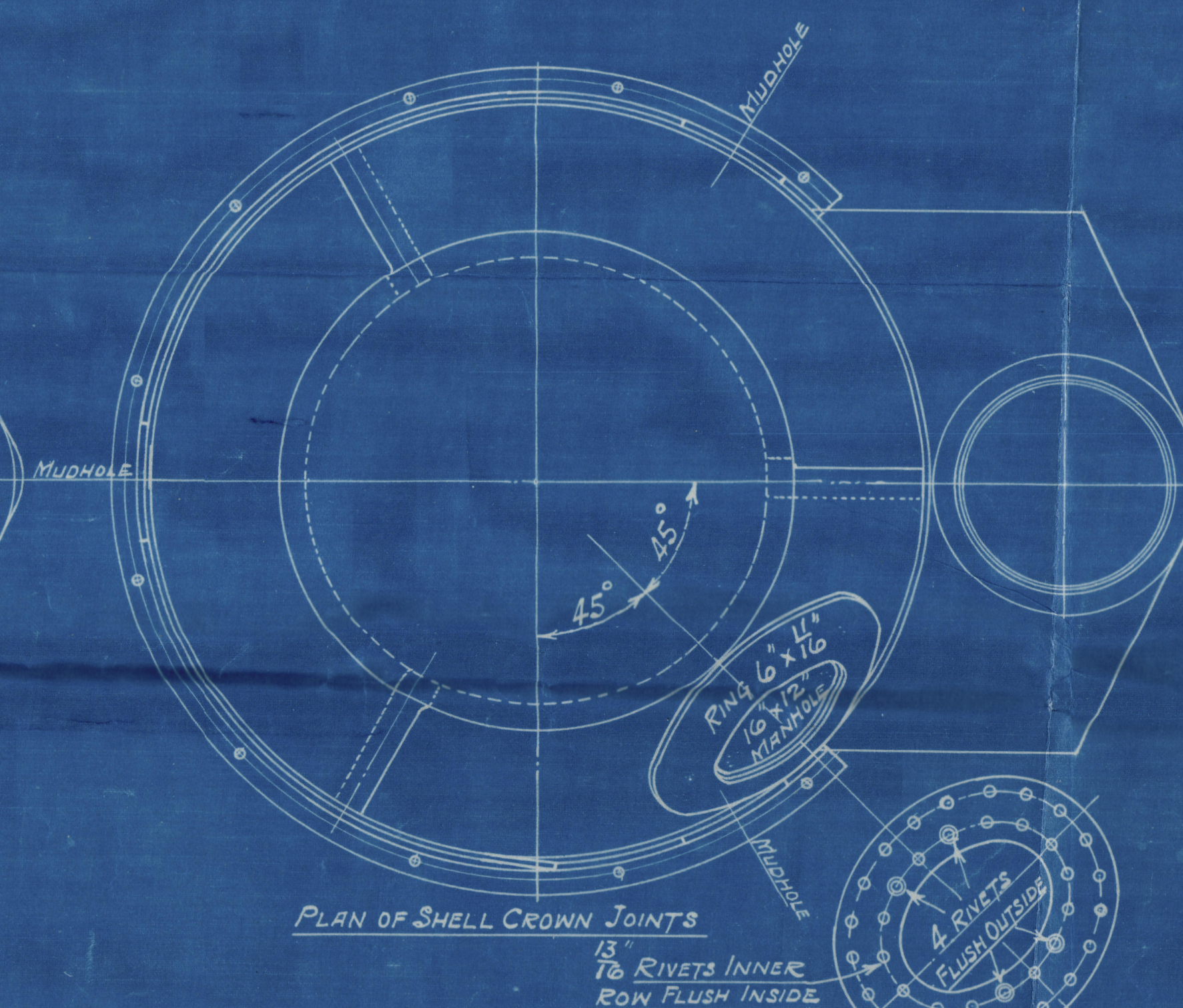
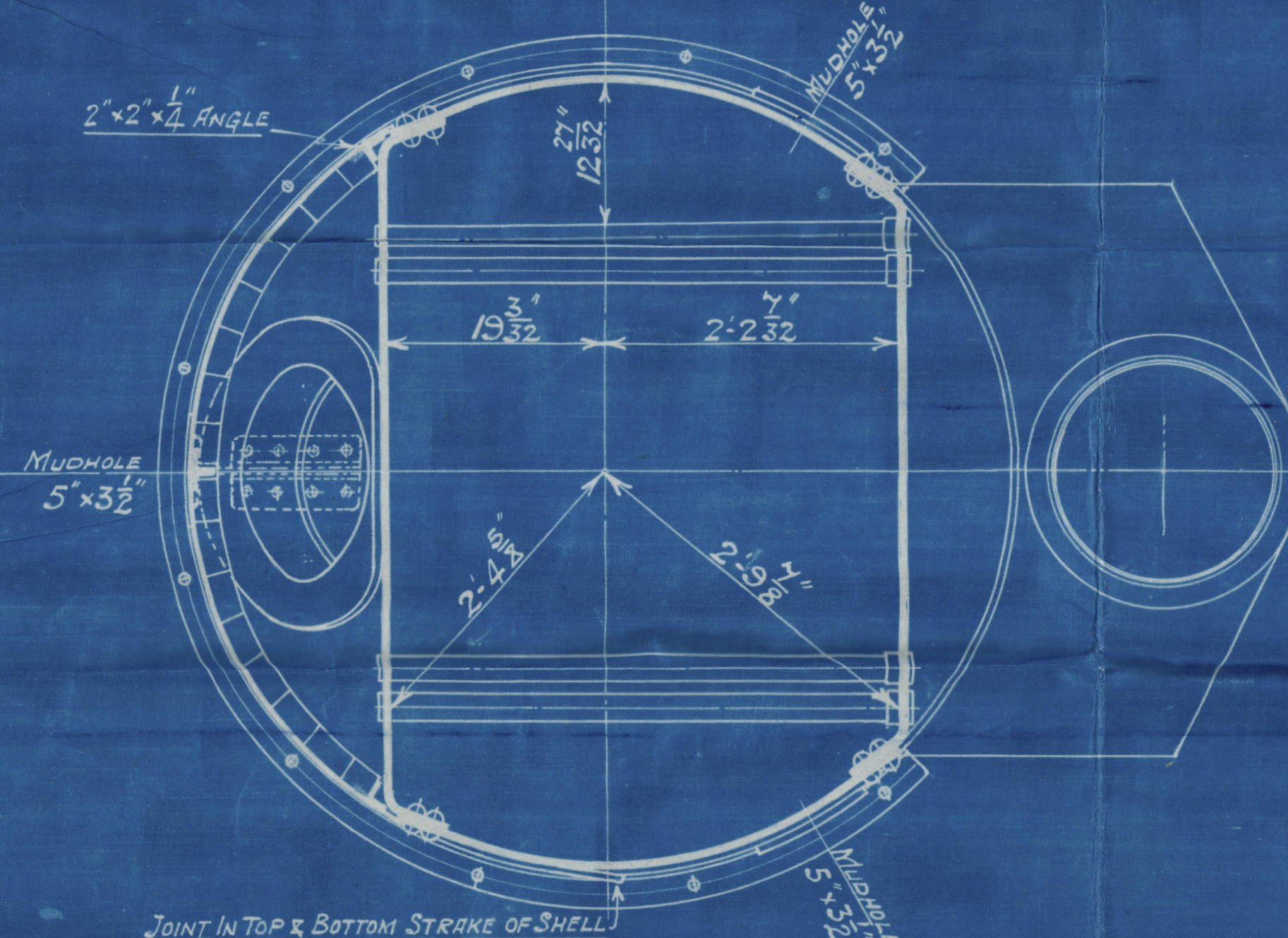
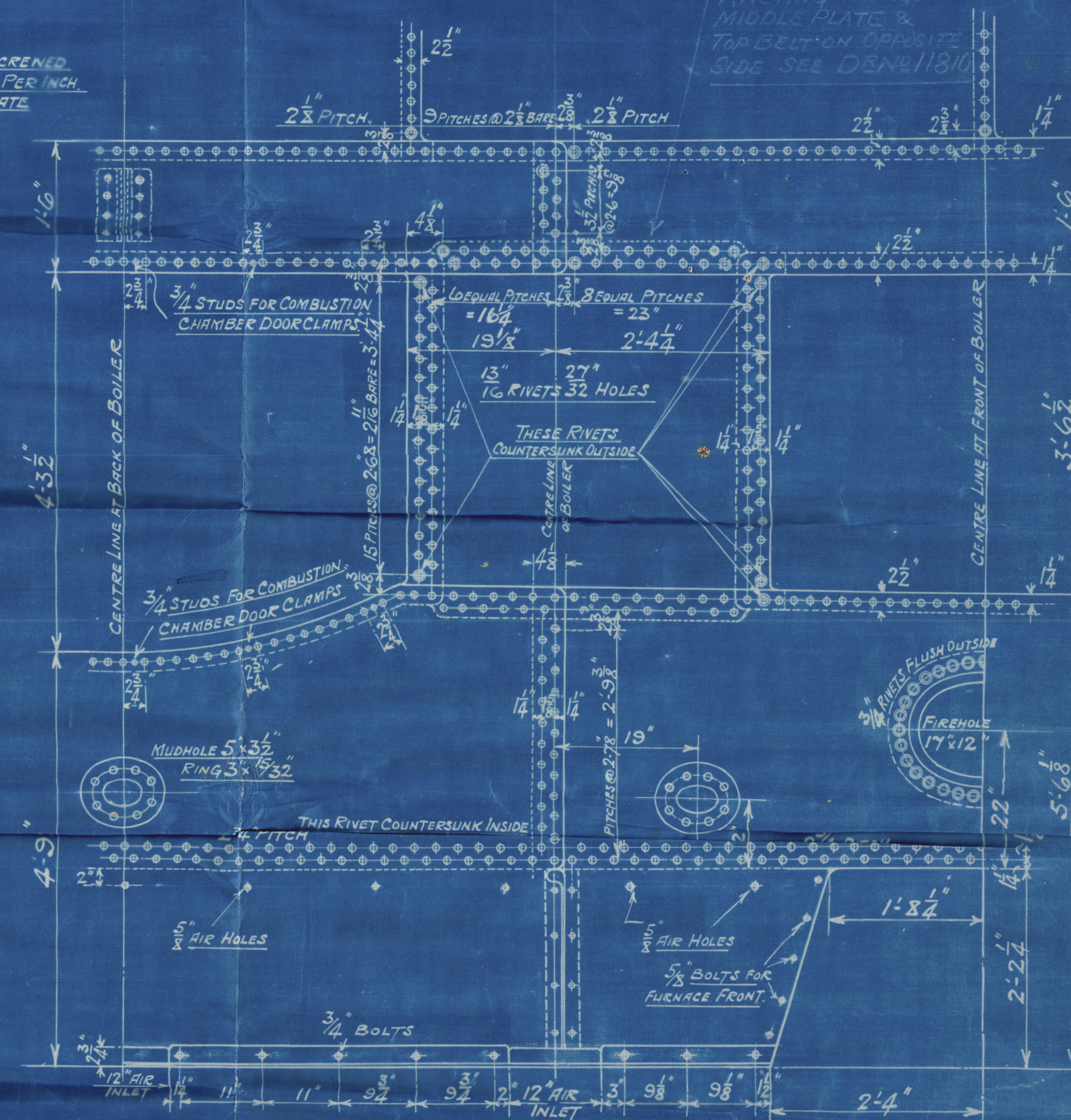
ENGINEERS & BOILERMAKERS

ANNAN, SCOTLAND.



HEATING SURFACE	
TUBES	273 sq Ft
PLATE	77 "
TOTAL	350 "
GRATE AREA	18.7 "

LLOYDS			
PLATE	$2\bar{6} - 243\bar{7}5$	$\times 100$	$= 67.5\%$
	$2\bar{6}$		
RIVETS	$2\bar{6} - 559\bar{1} \times 85$		$= 72.7\%$
	$2\bar{7}8 \times 46\bar{4}8\bar{5}$		
FRONT TUBE PLATE	$4 - 2\bar{5}9$	$\times 100$	$= 35.2\%$
	4		
FRONT TUBE PLATE	$4 - 2\bar{5}$	$\times 100$	$= 37.5\%$
	4		
SUPP.	$20\bar{5} - (75 \times 2) \times 67\bar{5}$		$= 100\%$
	$20\bar{5} (25 \times 2) \times 35\bar{2}, 76$		
FRONT TUBE PLATE	$67\bar{7}, 75$	$\times 28$	$= 103.8\%$
	$20\bar{5} (50 \times 2) \times 37\bar{5}, 28$		
BACK TUBE PLATE	$37\bar{5}, 28$	$\times 28$	$= 105.9\%$
	$1250 \times (8 - 2)$		
FURNACE	160		$= 125.18\%$
	$5\bar{6} \times 13\bar{2}$		
OGAC RING	$72 \times (72 - 60)$		$= 100.9\%$



To approval
PATENT BOILER NOS ~~8025~~

~~8026~~ - 8027 - ~~8028~~

6'-0" x 13'-6" x 350^{gf} x 100 LBS

SIEMENS MARTIN MILD STEEL PLATES

TENSILE TESTS:-

PLATES NOT EXPOSED TO FLAME OR FLANGED..... 28 TO 32 TONS

PLATES EXPOSED TO FLAME OR FLANGED EXCEPT FURNACE CROWN...26 TO 30 TONS

FURNACE CROWN ----- 26 TO 29 TONS

SURVEY:- LLOYDS.

DRAWING N° 11790

COCHRAN & CO., ANNAN, LD.

Editor No. 8027.

Drawing No. 11799

100 lbs per Sq in.

Mark on boiler:—

No 15105
Lloyds Lat
200 lbs
h.p. 100 lbs
P.McA 20/2/20

Matrona

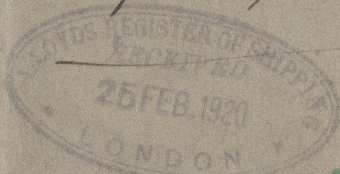
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GLASGOW REPORT No. 39665

with

Sp. Glenapp.

Glasgow Report 40694



Glasgow Report No. 3874

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Lloyd's Register
Foundation

W1012-0231