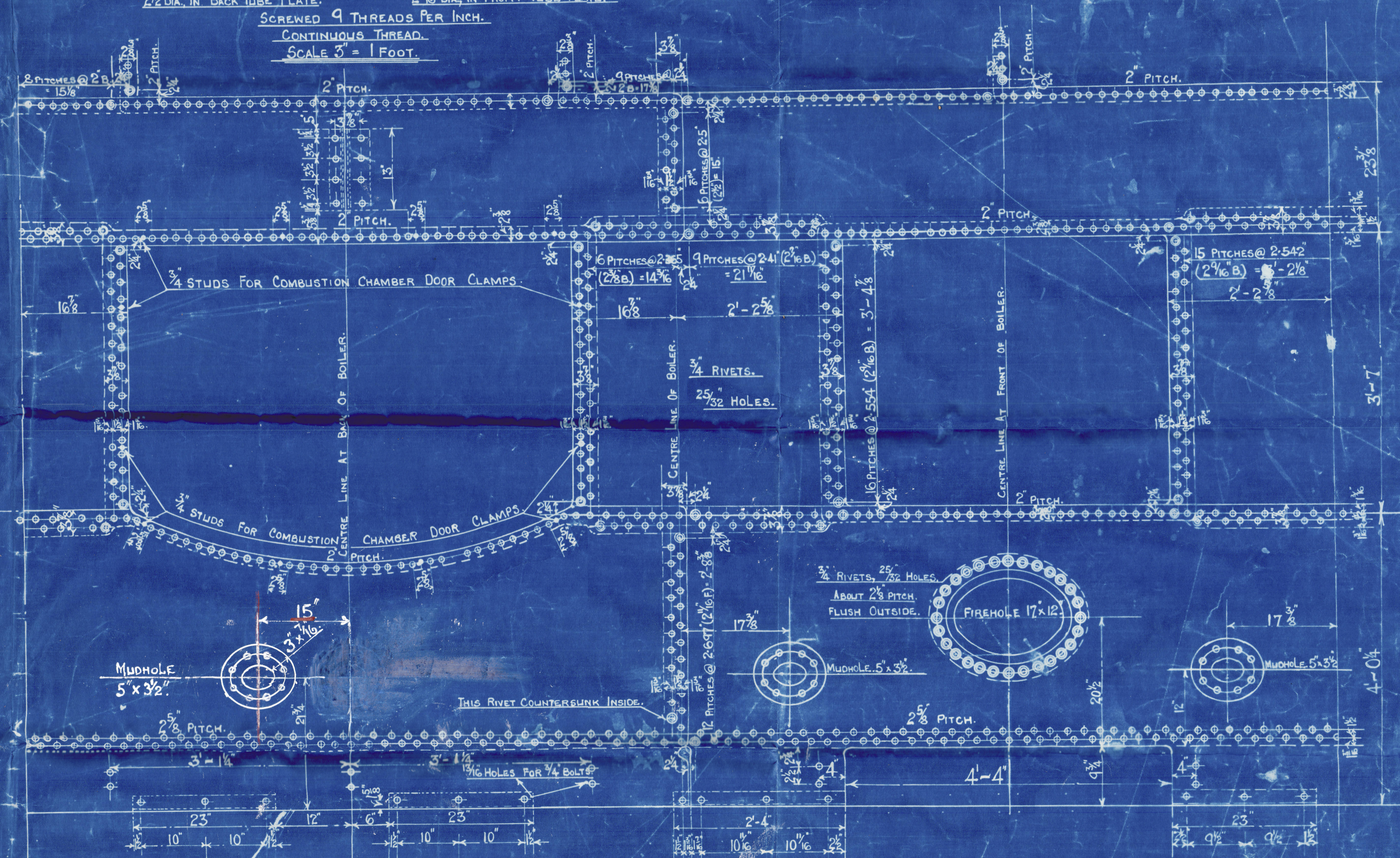
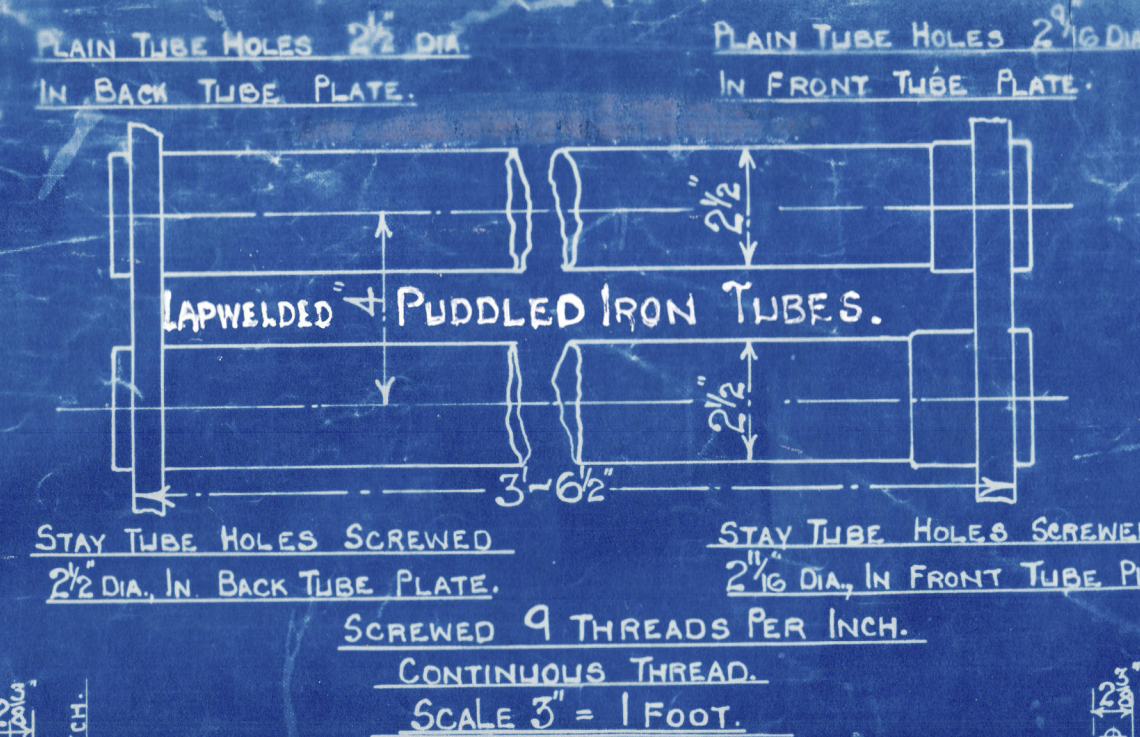
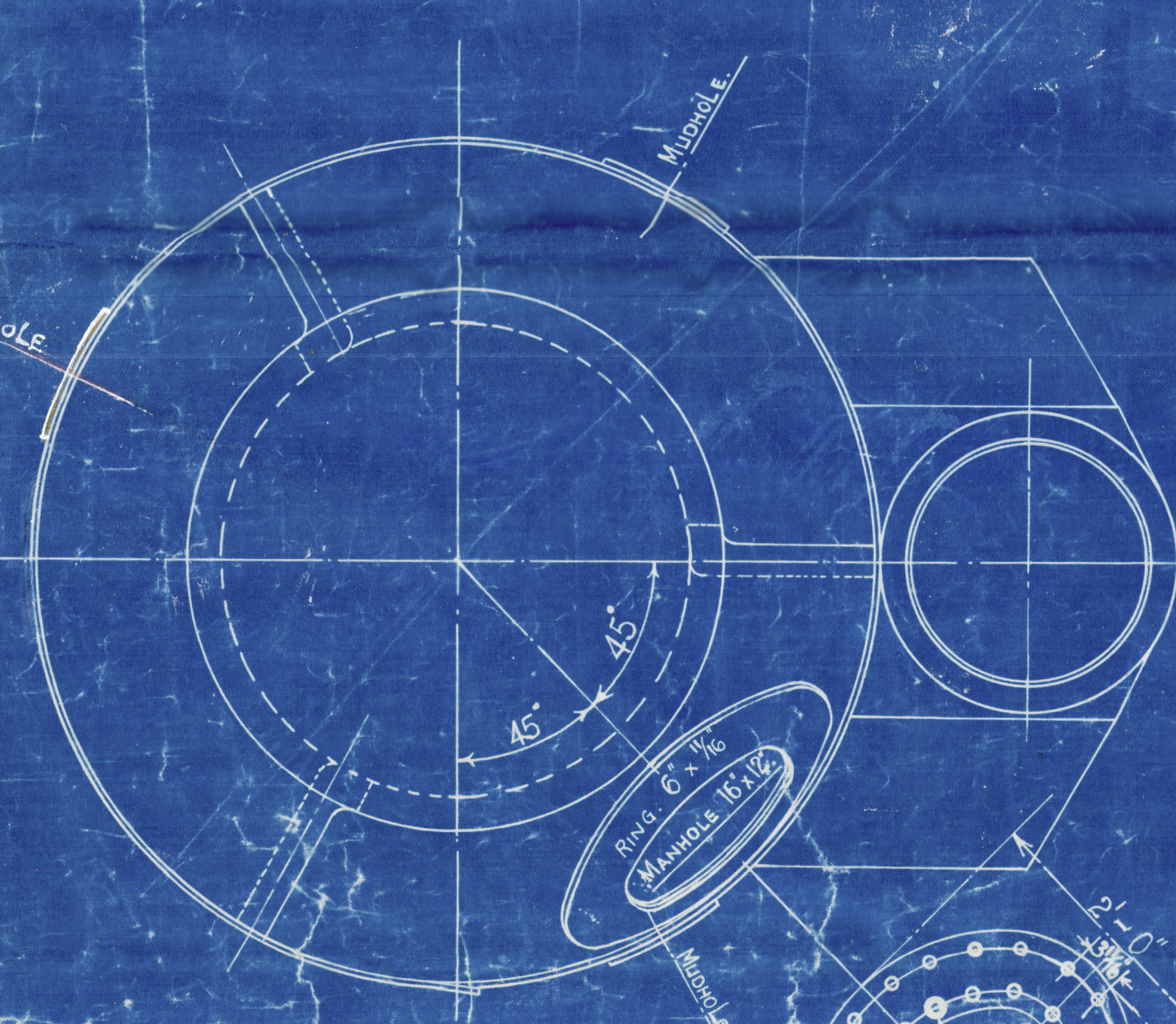
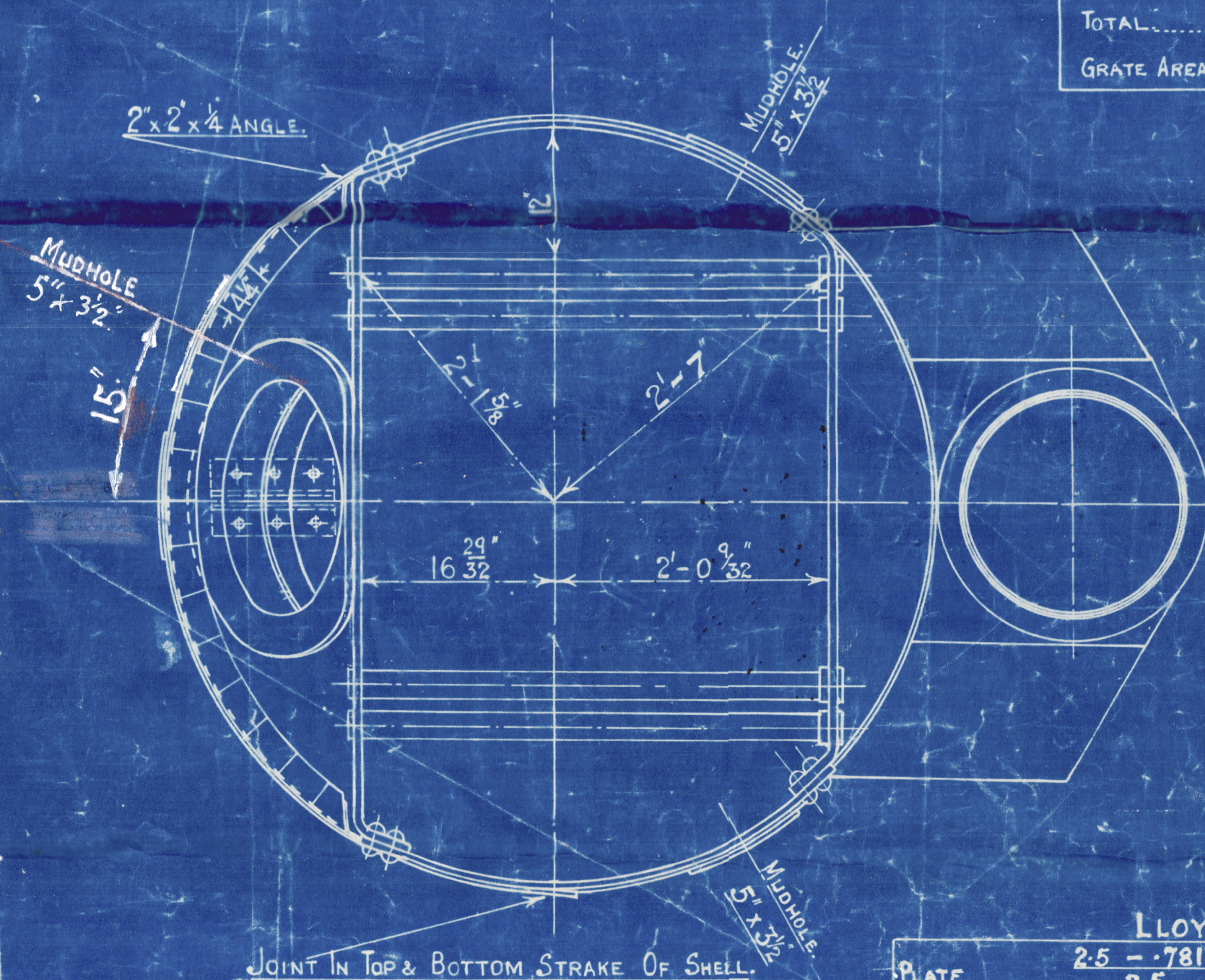
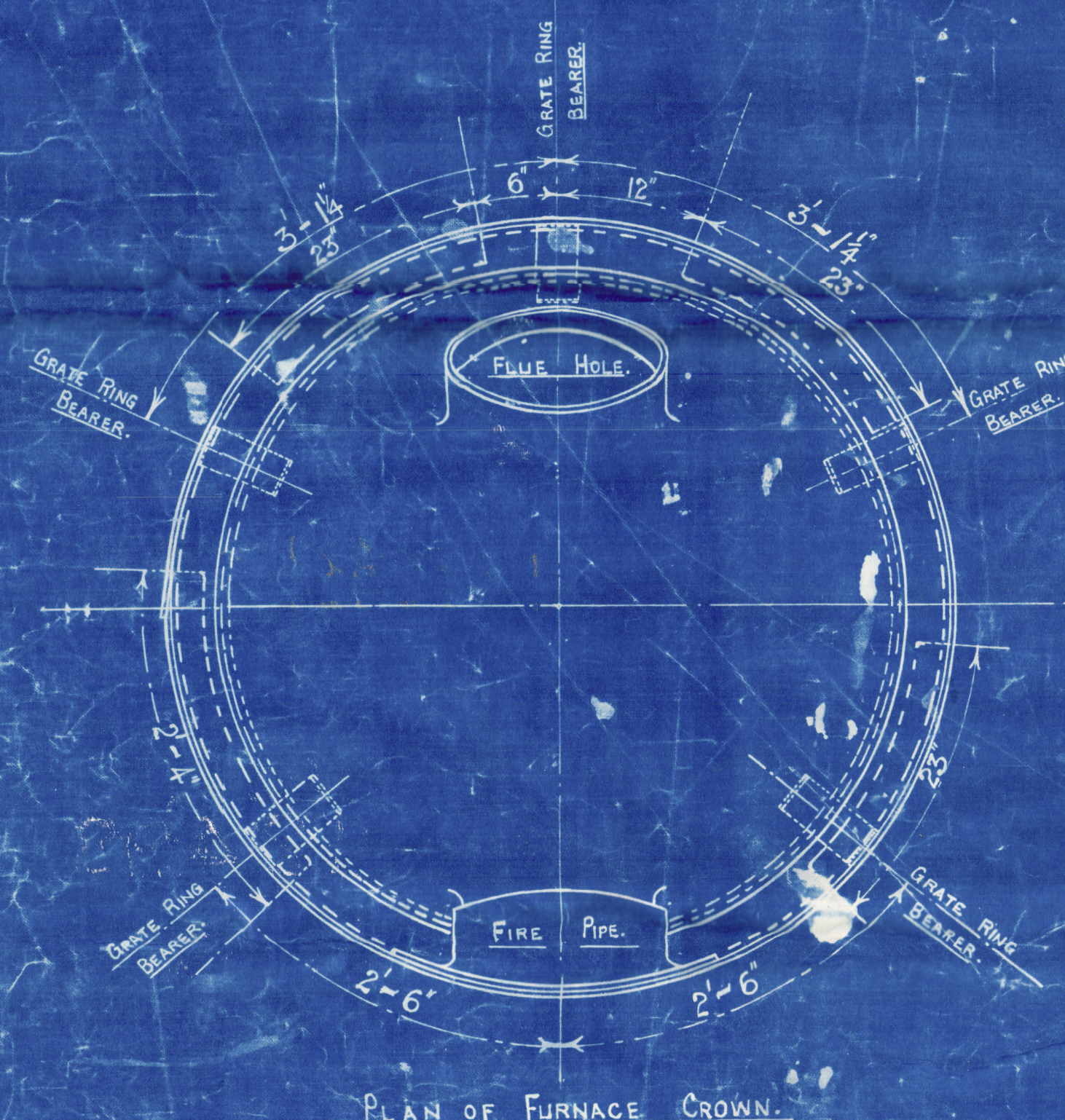


HORIZONTAL FLUE TUBES



HEATING SURFACE.	
TUBES.....	230 Sq. Ft.
PLATE.....	70 Sq. Ft.
TOTAL.....	300 Sq. Ft.
GRATE AREA.....	16.75 Sq. Ft.



LLOYDS.

PLATE.	2-5	-7812s	X100	=	68.6%
	2-5				
RIVETS.	100	25 x 1/4 x 3/16	X200	=	66.6%
		28 x 2/59 x 1/4			
FRONT TUBE PLATE	4	-2-625	X100	=	84.4%
	4				
BACK TUBE PLATE	4	-2-5	X100.	=	37.5%
SHELL.	(14-2)	28 x 66 1/2			
	24	X66			117 lbs.
FRONT TUBE PLATE	23	32 x 56 (42-525)			104.3 lbs
	(19-2)	26 1/2 x 50	X100		
BACK TUBE PLATE	2-9	X50 25 x 4			111.5 lbs
	215	(6-1)			
FURNACE CROWN	26-5				144.8 lbs
DECK RING	140	12 x 12			104.1 lbs
	140	(6-50-57)			

PLAN OF SHELL CROWN JOINTS

INNER ROW RIVETS
FLUSH INSIDE.
3" 25"
4 RIVETS, 3/2 HOLES

N.H.P. = 32.

EVAPORATION FROM AND AT 212° F.

HEAVY STEAMING = 2600 LB. PER HOUR.

EASY = 1950

Approved 23-2-32 for Boilers NOS 12228-12229

PATENT BOILER N° 12498.

$$5-6'' \times 12-3'' \times 300 \frac{\text{lb}}{\text{ft}^3} \times 100 \text{ lbs}$$

SCALE 1 INCH TO 1 FOOT.

SIEMENS MARTIN MILD STEEL PLATES

TENSILE TESTS

PLATES NOT EXPOSED TO FLAME OR FLANGED 28 TO 32 TONS

PLATES EXPOSED TO FLAME OR FLANGED & RIVETS. 26 to 30 tons

DRAWING NO. 19217
W374 - 01841312

19217

W374-01841212

W. D.

No. 2 G 2 8-32

COCHRAN & CO., ANNAN, Ltd.

Enclosure

FOR

Messrs

LLOYDS.

W374-0184(112)

COCHRAN & CO., ANNAN, LD.

Boiler No. 12498

Drawing No. 19217

WP - 100 lbs ✓

Wuphant of No 12228

approved 22-2-32

RETAIN

No 19244
LLOYDS TEST
200 LBS D"
WP 100 LBS D"
JH 28-6-33.

S.S. "Cochran"

SUNDERLAND RPT. No. 31241

GLASGOW REPORT No. 53652

RETAIN



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Lloyd's Register
Foundation

W314-

0184(212)