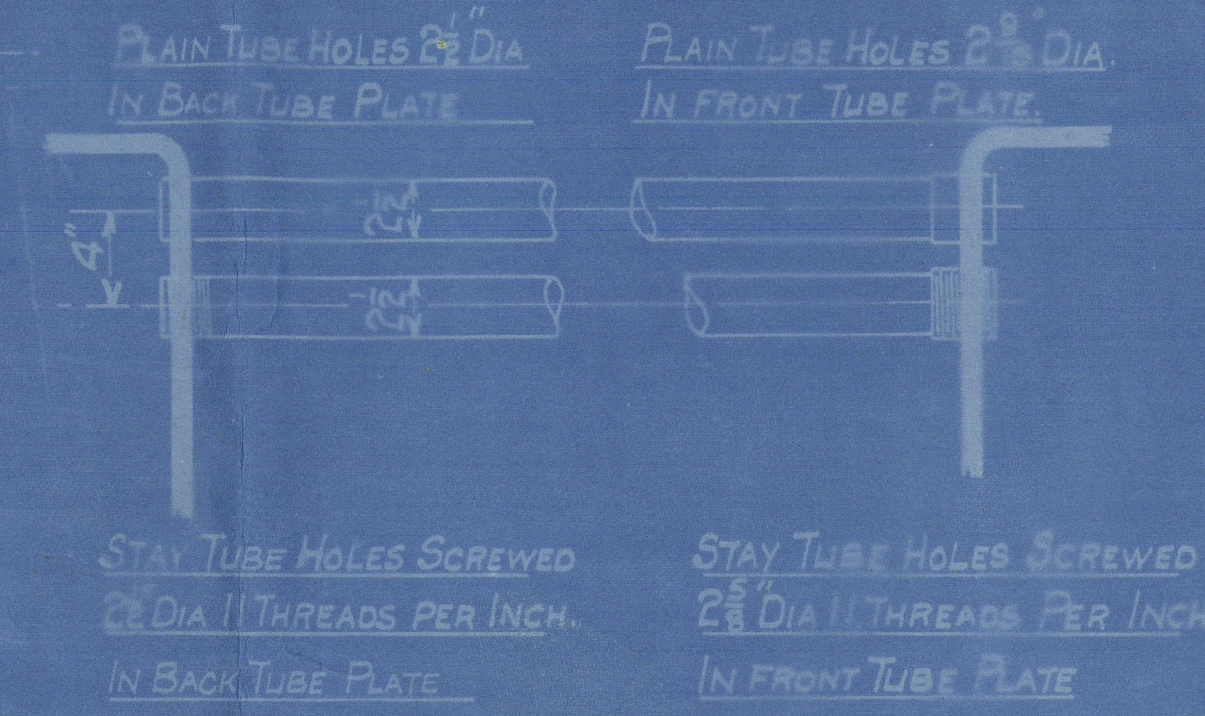
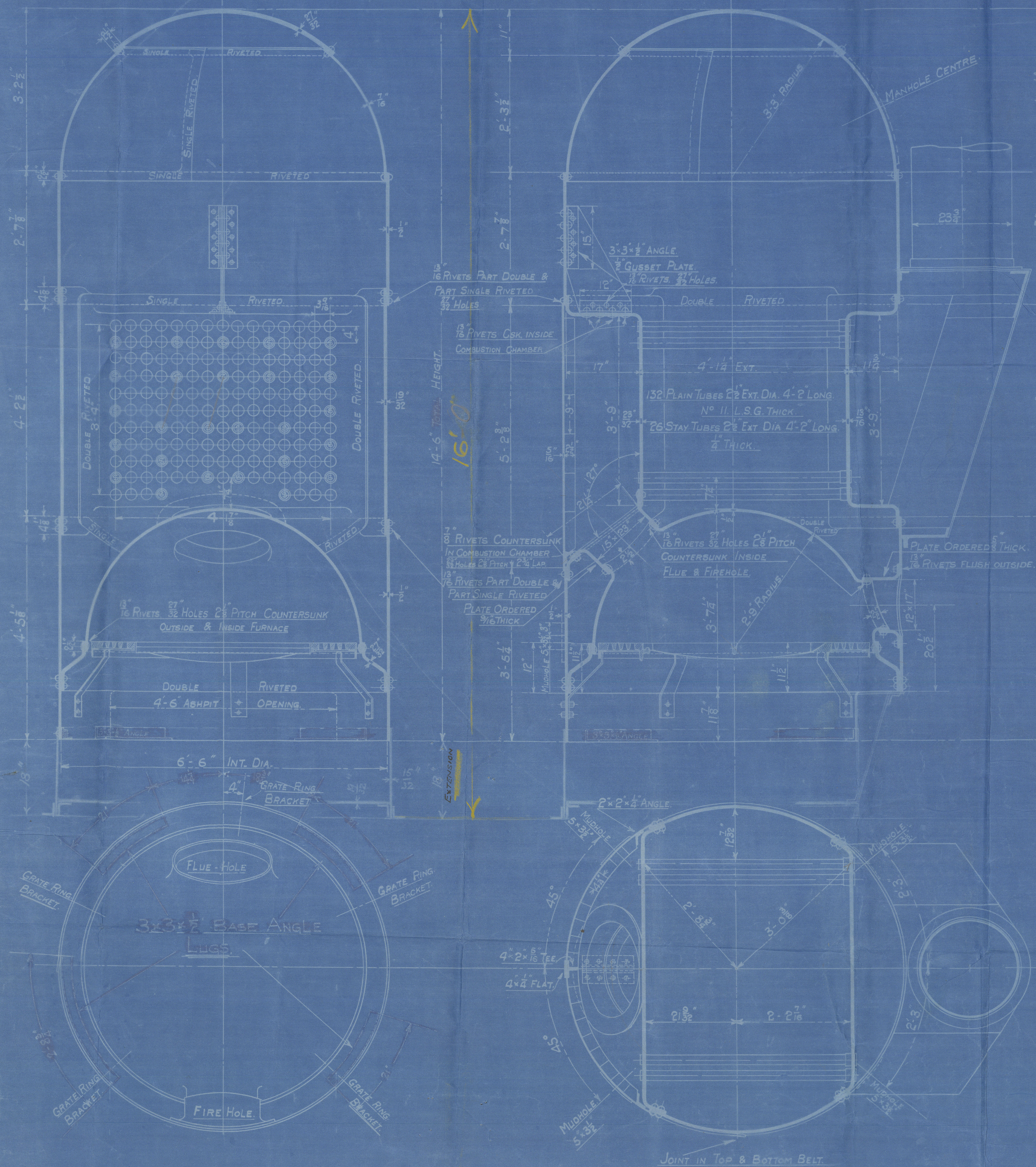


COCHRAN PATENT VERTICAL MULTITUBULAR BOILER

HORIZONTAL FLUE TUBES

20/6/19

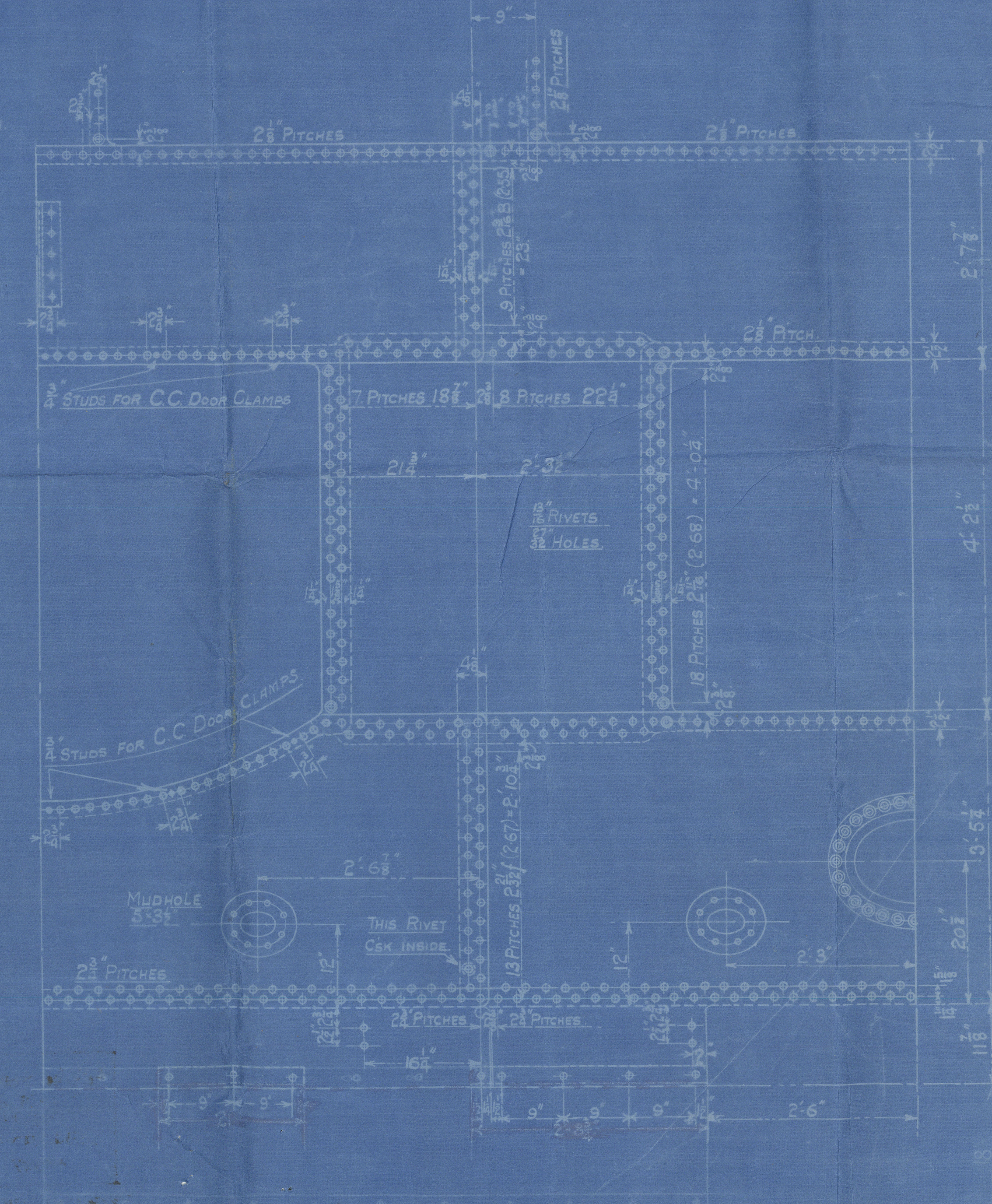


HEATING SURFACE	
TUBES	416 Sq. Ft.
PLATE	84 Sq. Ft.
TOTAL	500 Sq. Ft.
GRATE AREA	22.65 Sq. Ft.

— LLOYDS —	
PLATE	2.55 - 84375 x 100 67%
RIVETS	2.55 x 2.55 x 100 71.1%
FRONT TUBE PLATE	4.25 x 100 352%
BACK TUBE PLATE	4.25 x 100 375%
SHELL	20.5 x 67 x (8-2) 105 LBS.
FRONT TUBE PLATE	20.5 x 67 x (8-2) 101.3 LBS.
BACK TUBE PLATE	20.5 x 67 x (8-2) 103.5 LBS.
FURNACE	1250 x (8-2) 113.6 LBS.
Open Ring	576 x 13 1/2\"/>

— BOARD OF TRADE —	
PLATE	2.45 - 83375 x 100 67%
RIVETS	2.45 x 2.45 x 100 74.5%
FRONT TUBE PLATE	4.25 x 100 352%
BACK TUBE PLATE	4.25 x 100 375%
SHELL	20 x 67 x 100 110 LBS.
FRONT TUBE PLATE	20 x 67 x 100 106 LBS.
BACK TUBE PLATE	20 x 67 x 100 108 LBS.
FURNACE	1400 x 8 109 LBS.

— BUREAU VERITAS —	
PLATE	2.28 x 8240 x 67 (5-03) 124 LBS.
RIVETS	21.2 x 58 x 2240 115 LBS.
FRONT TUBE PLATE	10400 x 875 (4-2.53) 124 LBS.
BACK TUBE PLATE	10400 x 11875 (4-2.53) 117 LBS.
FURNACE	500 x (8-2) 109 LBS.



NOTE
 Similar to Drawing No 9852 approved 27-6-14.
 Except position of Shell Crown which has been altered
 + Extension to support for oil firing added

PATENT BOILER No 8156
6'-6" x 16'-0" x 5000 LBS.

SCALE 1 INCH TO 1 FOOT.
 SIEMENS MARTIN MILD STEEL PLATES.
 PLATES NOT EXPOSED TO FLAME OR FLANGED 28 TO 32 TONS
 PLATES EXPOSED TO FLAME OR FLANGED EXCEPT FOR CRN. 26 TO 30 TONS
 FURNACE CROWN 26 TO 29 TONS

COCHRAN & CO ANNAN LTD.
ENGINEERS & BOILERMAKERS
ANNAN, SCOTLAND

STANDARD
SURVEY LLOYDS

20/6/19
 9.3.32

DRAWING 11943
 Registered Foundation

COCHRAN & CO., ANNAN, LD.

Order No. 8156

Drawing No. 14943.

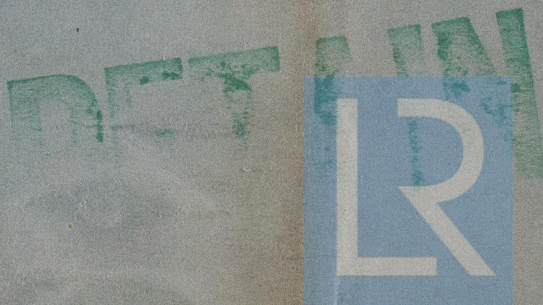
100 lbs per sq. inch

Mark on hole:—

1/P 14854
LLOYD'S TEST.
200 lbs
W.P. 100 lbs
P.M.F.G. 15/8/19

"Primula"
Gen 8026

GLASGOW REPORT No. 39030



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Lloyd's Register
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W1127-0080