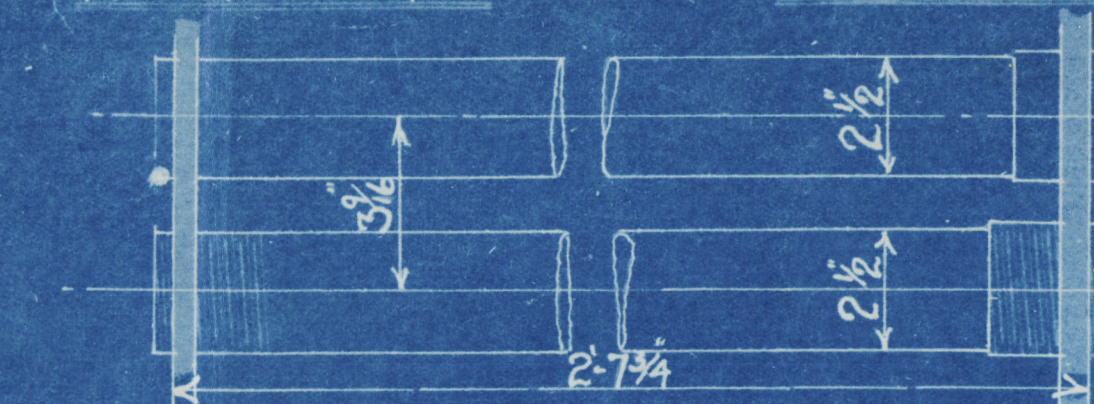


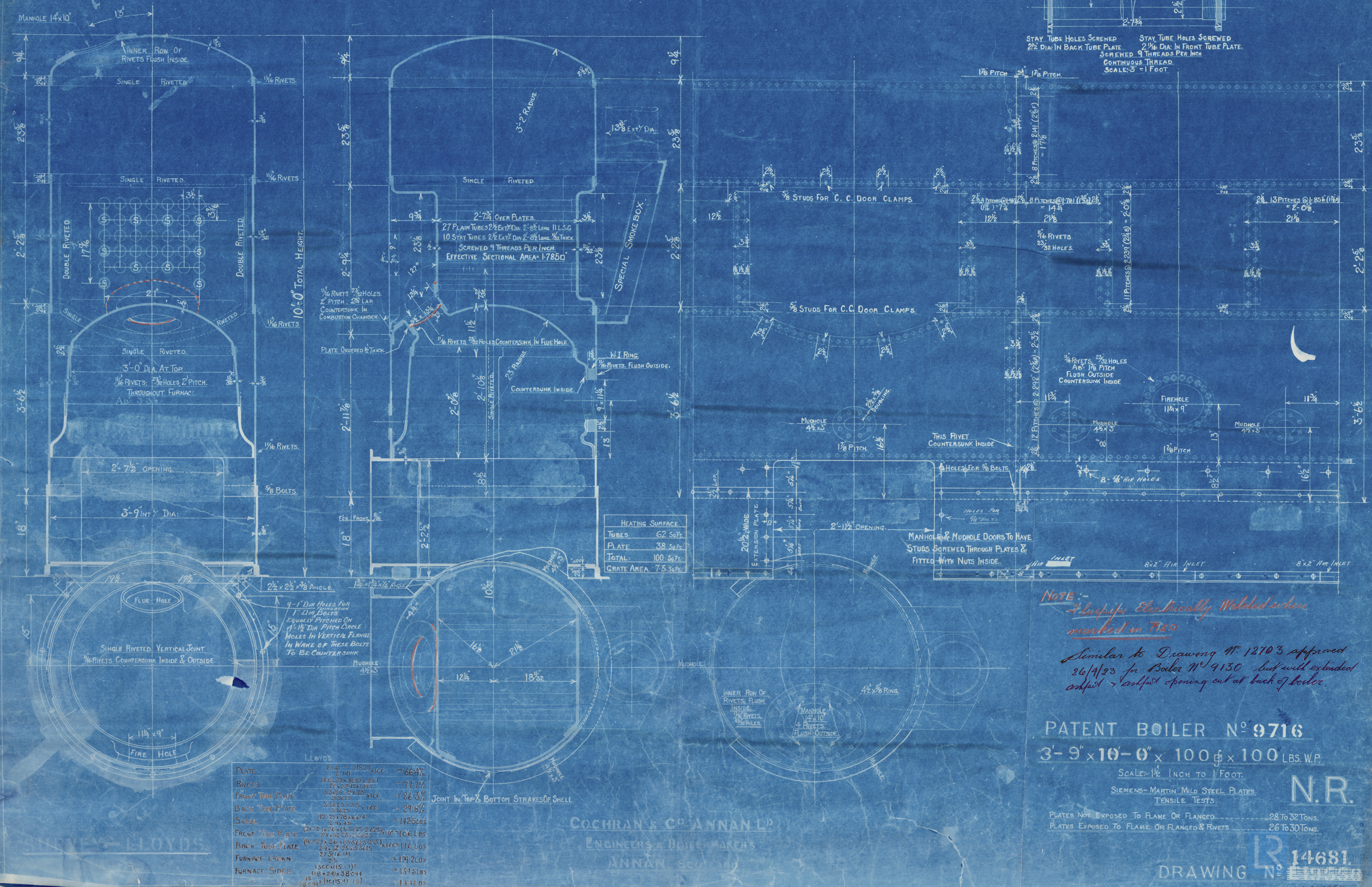
COCHRAN PATENT VERTICAL MULTITUBULAR BOILER

HORIZONTAL FLUE TUBES

PLAIN TUBE HOLES 2 1/2" DIA. IN BACK TUBE PLATE.



STAY TUBE HOLES SCREWED 2 1/2" DIA. IN BACK TUBE PLATE. STAY TUBE HOLES SCREWED 2 1/2" DIA. IN FRONT TUBE PLATE. SCREWED 9 THREADS PER INCH. CONTINUOUS THREAD SCALE 3" = 1 FOOT.



HEATING SURFACE		
TUBES	62 Sq. Ft.	
PLATE	38 Sq. Ft.	
TOTAL	100 Sq. Ft.	
GRATE AREA	7.5 Sq. Ft.	

NOTE: - 4 pipes electrically welded where marked in red

Similar to Drawing No. 12703 approved 26/4/23 for Boiler No. 9130 but with extended aspect & roof opening cut at back of boiler.

PATENT BOILER No. 9716

3'-9" x 10'-0" x 100 lb x 100 lbs. W.P.

SCALE: 1 1/2" INCH TO 1 FOOT.

SIEMENS-MARTIN MILD STEEL PLATES. TENSILE TESTS.

N.R.

PLATES NOT EXPOSED TO FLAME OR FLANGED 28 To 32 TONS.
PLATES EXPOSED TO FLAME OR FLANGED & RIVETS 26 To 30 TONS.

DRAWING No. 14681

W219-0254

PLATE	2141 = 71875 x 100	= 66.4%
RIVETS	100 x 23 x 4057 x 2 x 1	= 77.7%
FRONT TUBE PLATE	35625 x 2625 x 100	= 26.3%
BACK TUBE PLATE	35625 x 25 x 100	= 29.8%
SHELL	(12-2) x 28 x 664	= 1425 LBS
FRONT TUBE PLATE	(21-2) x 26 x (35625-2625) x 100	= 106 LBS
BACK TUBE PLATE	(16-2) x 26 x (35625-25) x 100	= 116 LBS
FURNACE CROWN	275 (16-1)	= 1792 LBS
FURNACE SIDES	1300 x (15-1) 2	= 1595 LBS
	118 x 24 x 38244	= 144 LBS
	118 x 24 x 1015-1-18	= 144 LBS

COCHRAN & CO ANNAN LTD
ENGINEERS & BOILER MAKERS
ANNAN, SCOTLAND

9916.

14681

COCHRAN & CO., ANNAN, LD.

Boiler No. 9916

Drawing No. 14681

N.P. 100 lbs.

GLASGOW REPORT No 45351

attached to

Gls Rpt 45-810

M.V. *Storsten*



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W219-6284 Register