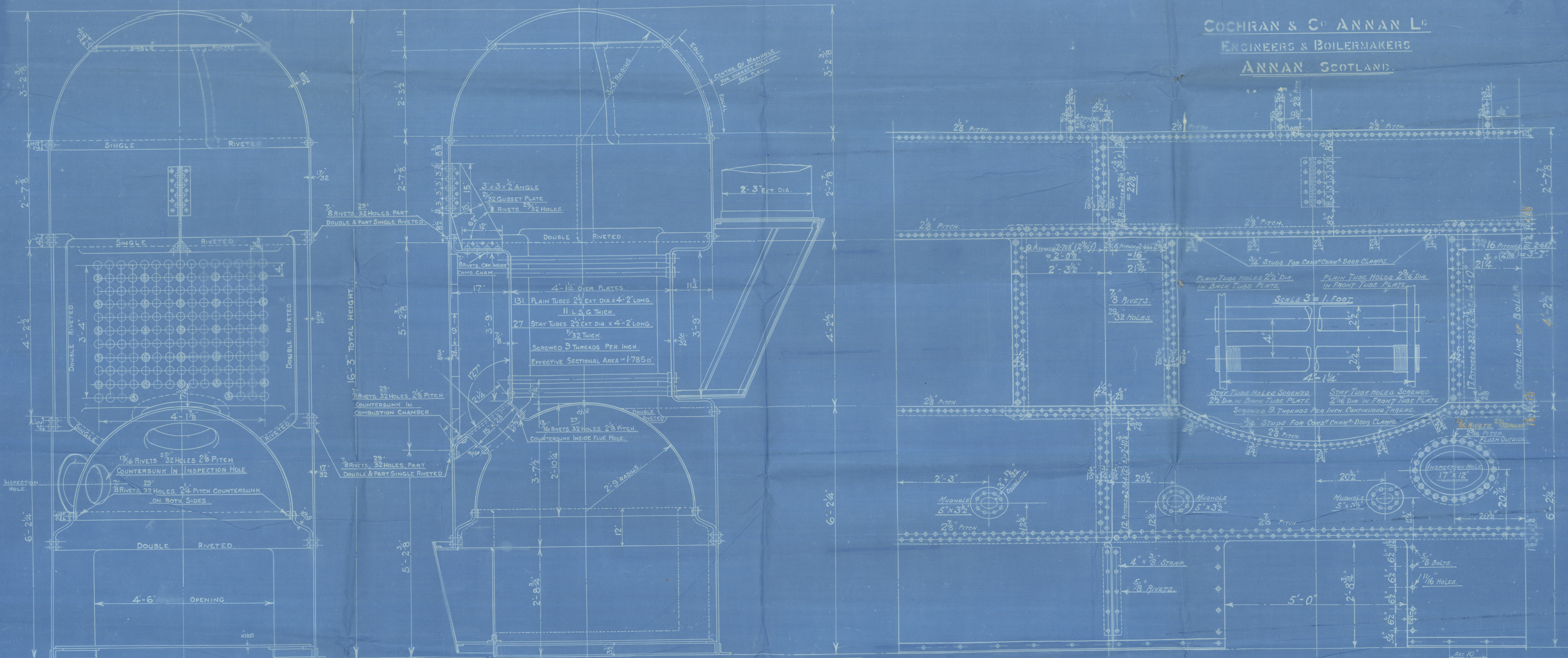


COCHRAN PATENT VERTICAL MULTITUBULAR BOILER.

Approved 14/6/20

HORIZONTAL FLUE TUBES.

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



HEATING SURFACE		
TUBES	416 SQ. FT.	
PLATE	84 SQ. FT.	
TOTAL	500 SQ. FT.	
GRATE AREA	22.5 SQ. FT.	

MANHOLE & MUDHOLE DOORS TO HAVE STUDS SCREWED THROUGH PLATES & FITTED WITH NUTS INSIDE.

LLOYD'S		
PLATE	2766 - 90625 X100	= 67.2%
RIVETS	100 (25 X 64.5 X 2.1)	= 71.5%
FRONT TUBE PLATE	4 - 2.625 X100	= 34.4%
BACK TUBE PLATE	4 - 2.5 X100	= 37.5%
SHELL	(17-2) X 26 X 4 - 2.625 X100	= 123 LBS.
FRONT TUBE PLATE	2.9 X 72.75 X 4	= 133 LBS.
BACK TUBE PLATE	2.75 X 68 X 4	= 141 LBS.
GRATE RING	140 (30-1) X 78 (18-6)	= 125.8 LBS.

For Approval, See to Base
No 10100-10101

PATENT BOILER NOS 10100-10101

6'-6" X 16'-3" X 500# X 120 LBS. W.P.

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 & RIVETS 26 TO 30 TONS

DRAWING NO. 15105

N.R.

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SURVEY - LLOYD'S

COCHRAN & CO., ANNAN, LD.

Boiler No. 10101

Drawing No. 15108

W. P. 120 lbs.

S/S Silverbuch Sld. 29318.

GLASGOW REPORT No 45905



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