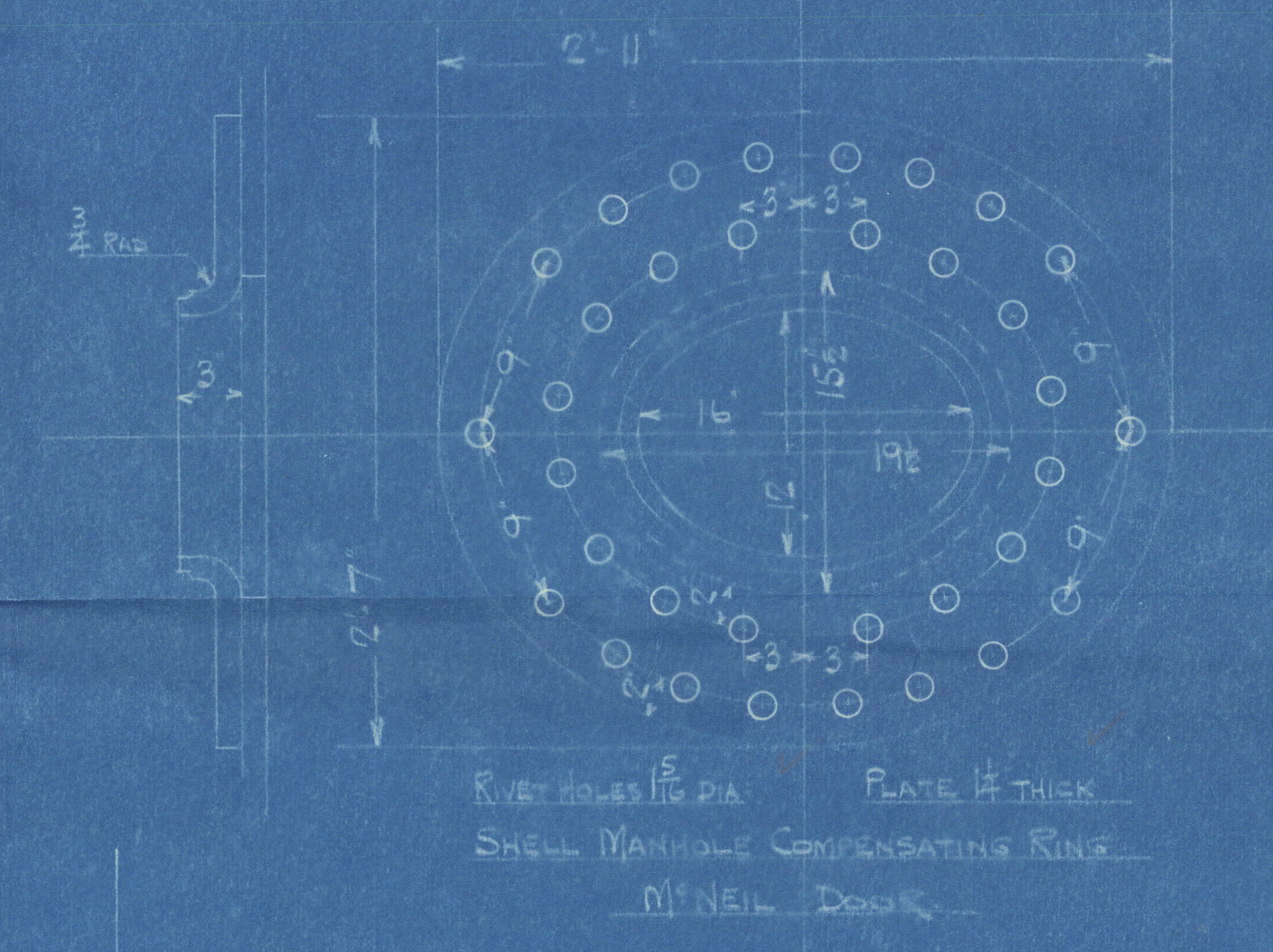
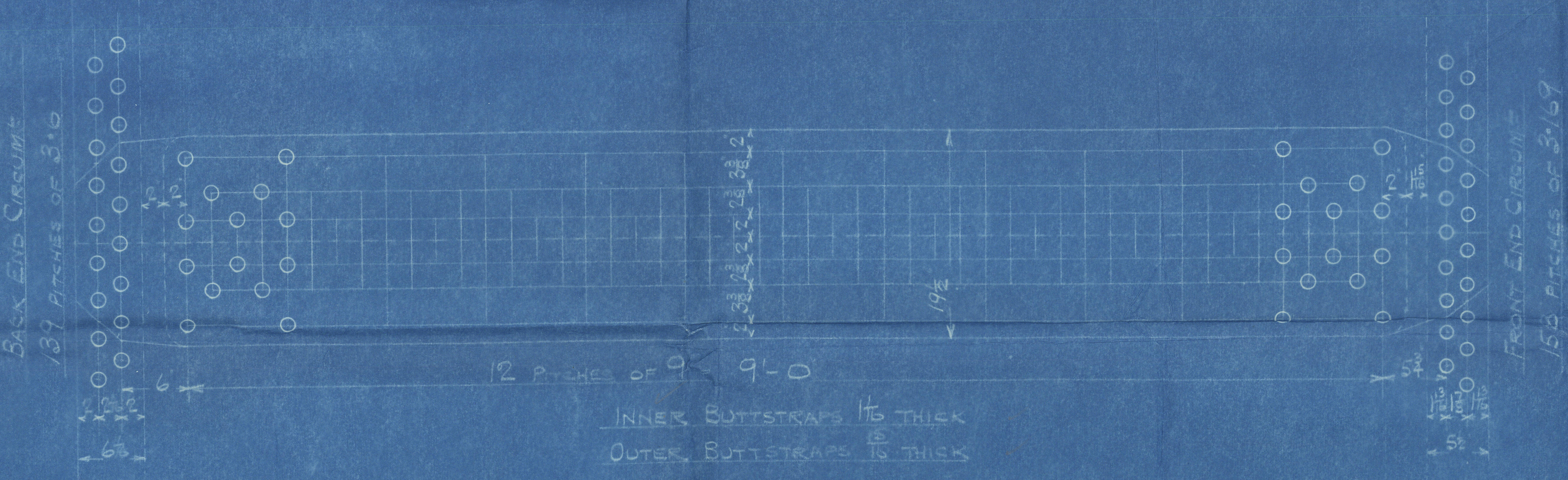


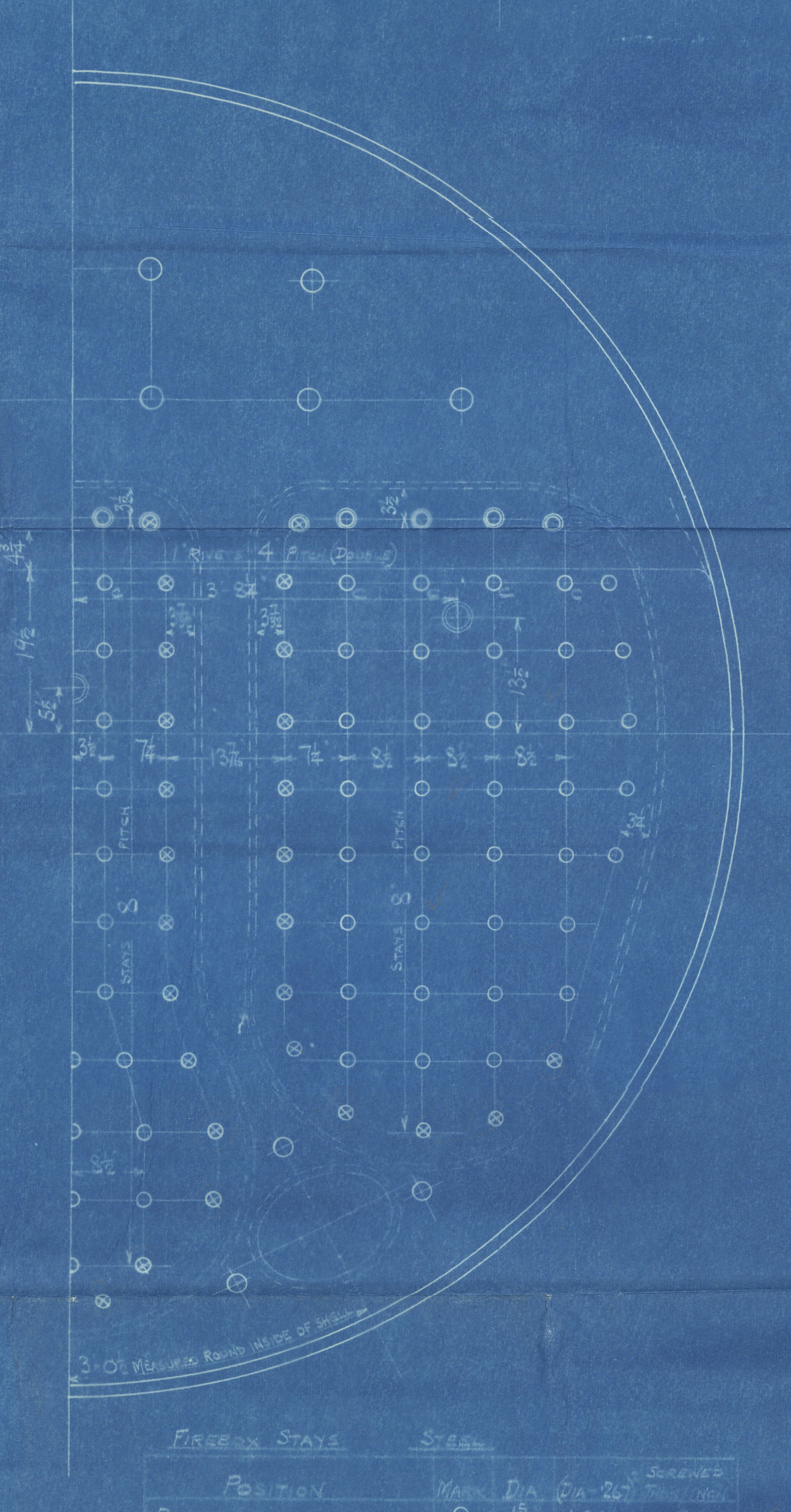
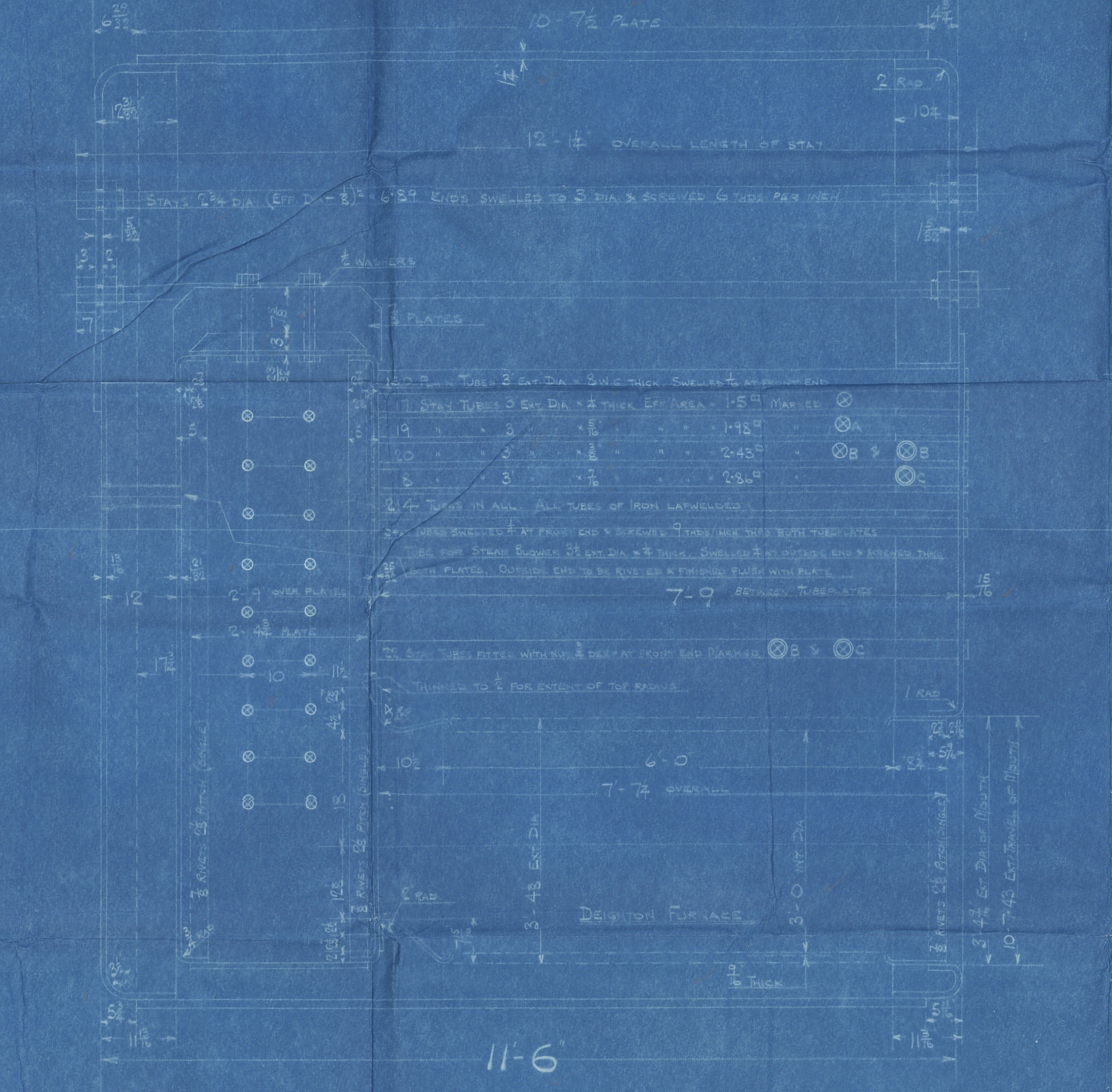
SURFACES	ONE BOILER	TWO BOILERS
TUBES	1303	2606
ENDS TOP AND SIDES	114	228
BACK	58	116
TURBOPATE	40	80
FURNACE	13	26
TOTAL HEATING SURFACE	16800	33600
GRATE AREA (4-6 BARS)	40.5	81
TUBE AREA	775	1550
WATER AREA	123	246
STEAM SPACE	310	620
GRATE AREA :		
HEATING SURFACE	1 : 40.74	
TUBE	1 : 20.17	
AREA	5.02	
WATER	1 : 12.16	
STEAM SPACE	1 : 7.65	
% BOILER ABOVE GRADE	30.6	
WEIGHT OF WATER	182 Tons	37 Tons

RIVETING		BACK END CIRCUMF.	FRONT END CIRCUMF.
LENGTH	BACK END CIRCUMF.		
RIVET HOLE DIA	1 1/2	1 1/2	1 3/8
FITZ	9	3 1/2	2-16 1/2
% PLATE	25.4	63.5	62.5
% RIVET	30.7	47.1	44.2
% COMBINED	88.1		

LIMITS OF TENSILE STRENGTH & MATERIALS	
SHELL & BUTTSTRAPE	29 TO 33 TONS
GIRDERS	28 TO 32
OTHER PLATES	26 TO 30
FURNACE	26 TO 30
MAIN STAYS	28 TO 32
SCREENED STAYS	26 TO 30
RIVET BARS	28 TO 30



A - RIVET HOLES DRILLED IN PLACE
 MAIN STAYS SWELLED AT ENDS BY
 HYDRAULIC PRESSURE & ANNEALED



TURBOPATE
 & MANHOLE SIDE
 STAYS 2 DIA.
 ENDS SWELLED TO 2 1/2 DIA.
 & SCREENED 6 TUBES PER INCH
 OUTSIDE NOT 24 DEEP
 INSIDE NOT 12 DEEP
 MANHOLE TOP STAY 2 DIA.
 ENDS SWELLED TO 2 1/2 DIA.
 & SCREENED 6 TUBES PER INCH
 OUTSIDE NOT 24 DEEP
 INSIDE NOT 12 DEEP

MAIN BOILER
 TWO OFF EACH CONTRACT NO
CONT'S NO 533-981
 WORKING PRESSURE 220 LBS PER SQUARE INCH
 TEST PRESSURE 330
 TO PATR LLOYD'S SURVEY
 SCALE: ONE INCH = ONE FOOT

POSITION	MARK	DIA	(DIA - 26)	SPACED
BACK	1	1 1/2	1.544	9
TOP SIDES & BACK WEB SPACE	2	1 1/2	2.199	9
BACK TOP ROW	3	1 1/2	2.523	9
CORNER	4	2	3.093	9

ALL FIREBOX STAYS SCREWED THRU BOTH PLATES AND NOT FITTED AT EACH END EXCEPT STAYS FROM WING FIREBOX TO SHELL AND STAYS MARKED C IN BACK BOTTOM ONE WHICH PROTECTS BAR AND CANNON ALL 1/2" NUTS 2 DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE NUTS ARE 1 1/2" DEEP
 ALL 1/2" NUTS 1 DEEP



OT. 38561 A.

GLASGOW

DAVID ROWAN & CO L^{TD}

(2) MAIN BOILERS N^o 981

WP-220 LBS

DUPLICATE OF N^o 980

BURNTISLAND SBC: 31 SN: 187

" "
 Justitia

GLASGOW REPORT No. 56150

RETAIN

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WAS 0326

Lloyd's Register

FOUR...