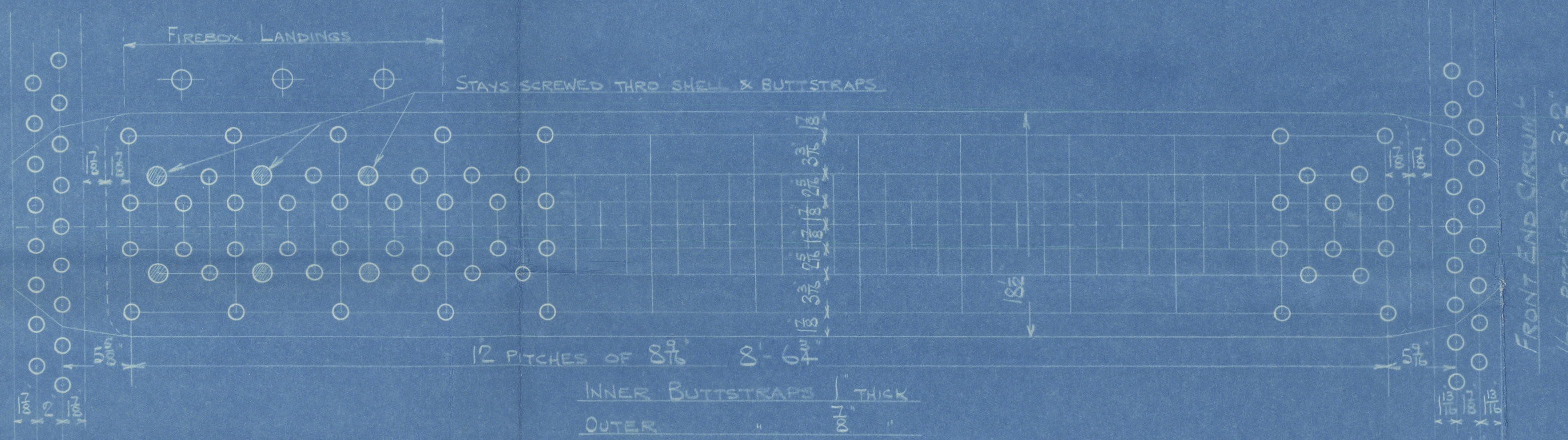


SURFACES	ONE BOILER
TUBES	1575
PIPEBOX TOP AND SIDES	106
BACK	70
TURBOPATE	45
FURNACES	104
TOTAL HEATING SURFACE	1900
SKATE AREA (BARS)	
TURB. AREA	12.58
WATER AREA	137
STEAM SPACE	893
% BOILER ABOVE FIREBOX	32
WEIGHT OF WATER	2 1/2 TONS

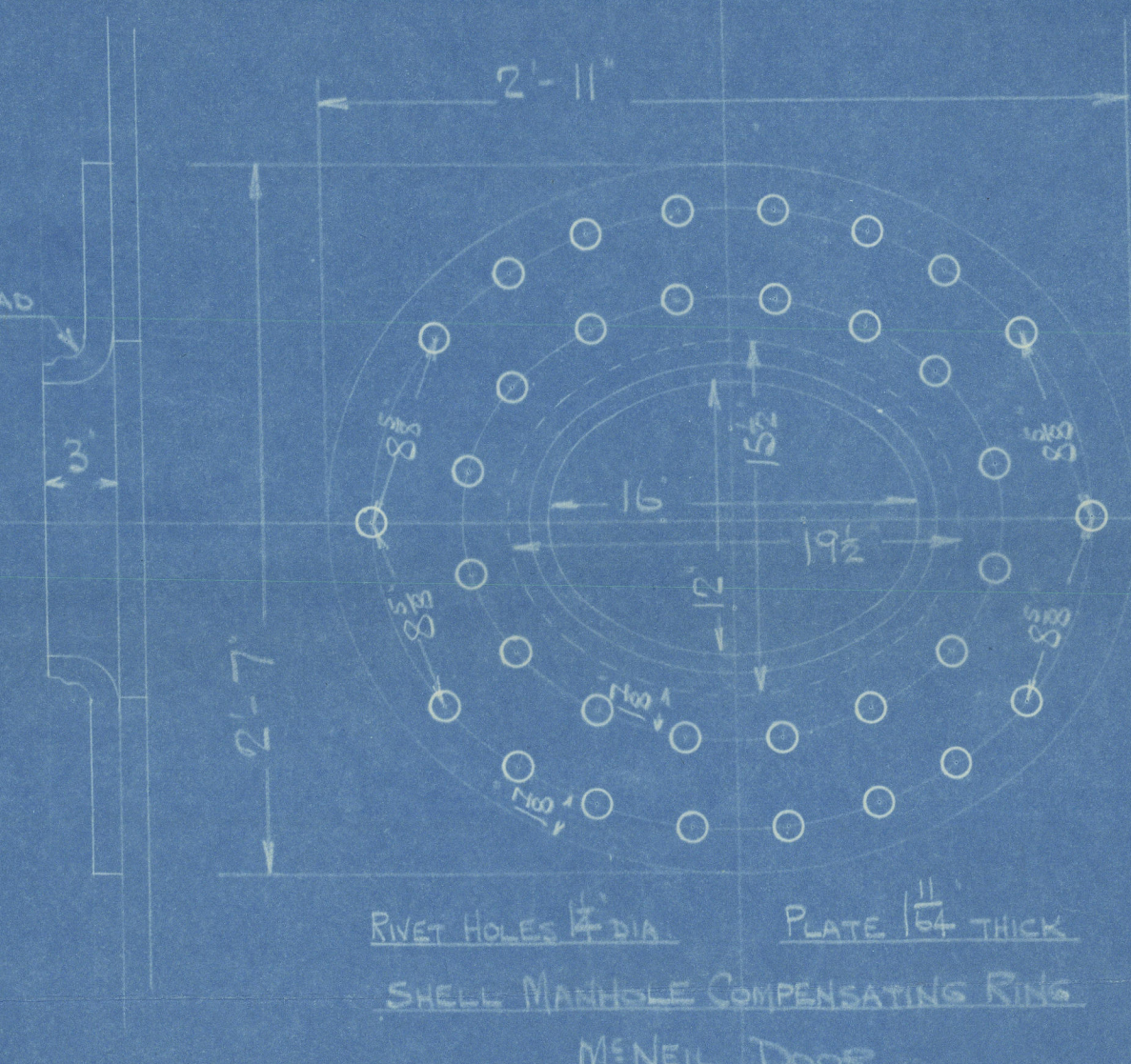
- RIVETING -			
	LONG	BACK END	FRONT END
RIVET HOLE DIA.	14	14	16
PITCH	8 1/2	3 1/2	2 1/2
% PLATE	85.4	62.3	62.9
% RIVET	90.7	50.4	47.1
% COMBINED	89		

LIMITS OF TENSILE STRENGTH & MATERIAL	
SHELL & BUTTSTRAPS	29 TO 33 TONS
GIRDERS	23 " 22 "
OTHER PLATES	26 " 30 "
FURNACES	26 " 30 "
MAIN STAYS	23 " 32 "
SCREENED STAYS	26 " 30 "
RIVET BARS	26 " 30 "

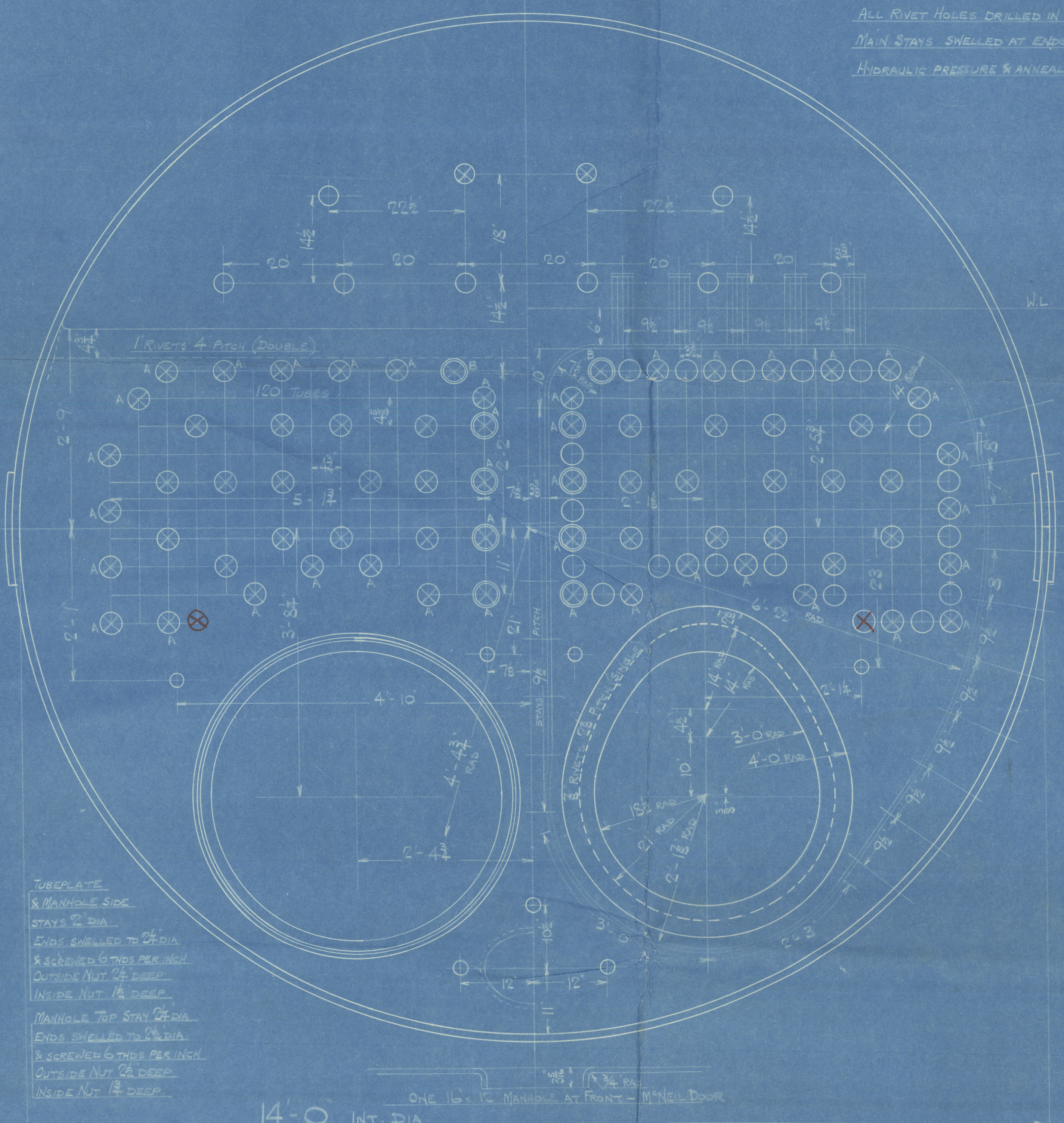
BACK END CIRCUMFERENCE  
160 PITCHES OF 3 1/2"



FRONT END CIRCUMFERENCE  
166 PITCHES OF 3 1/2"

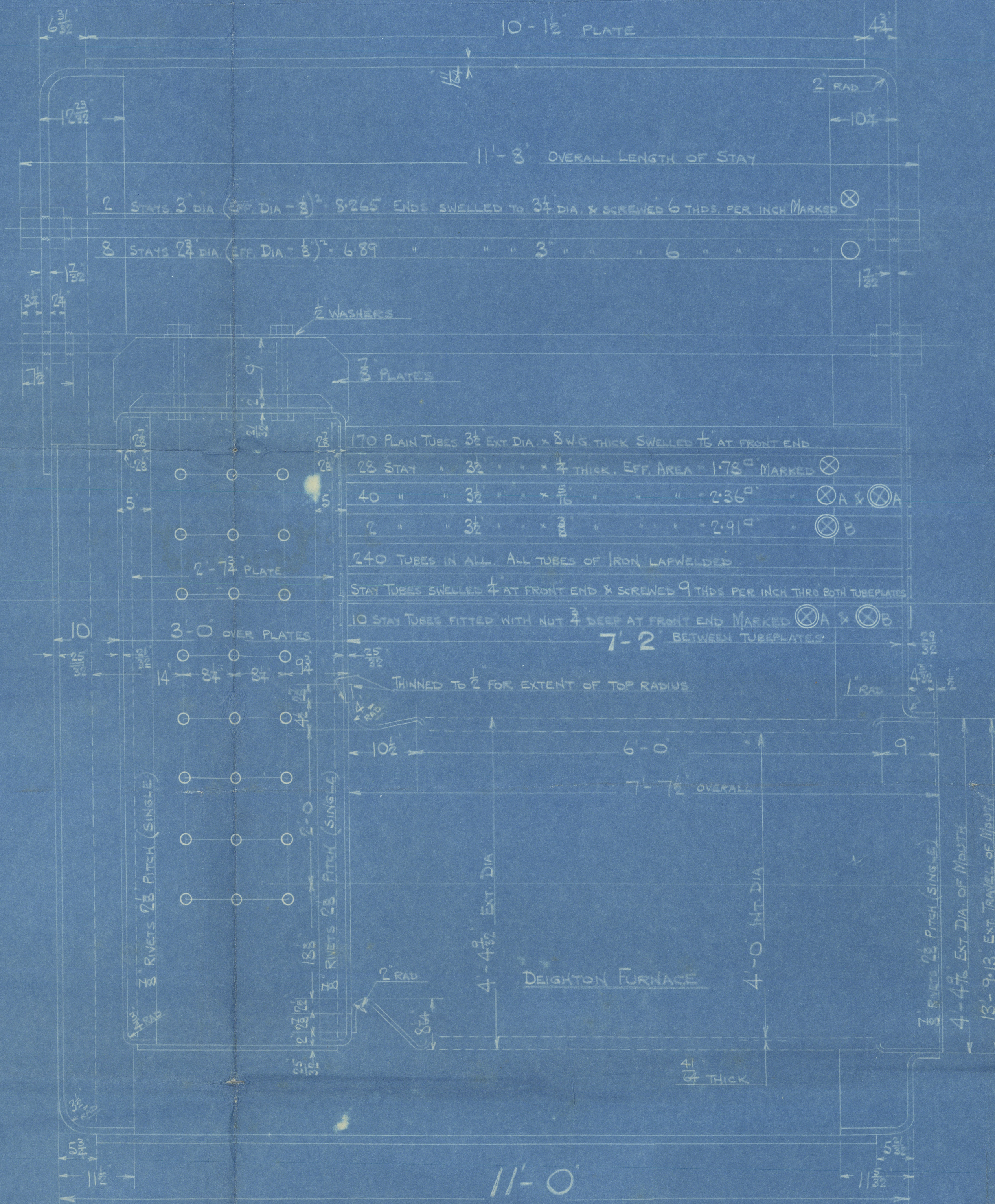
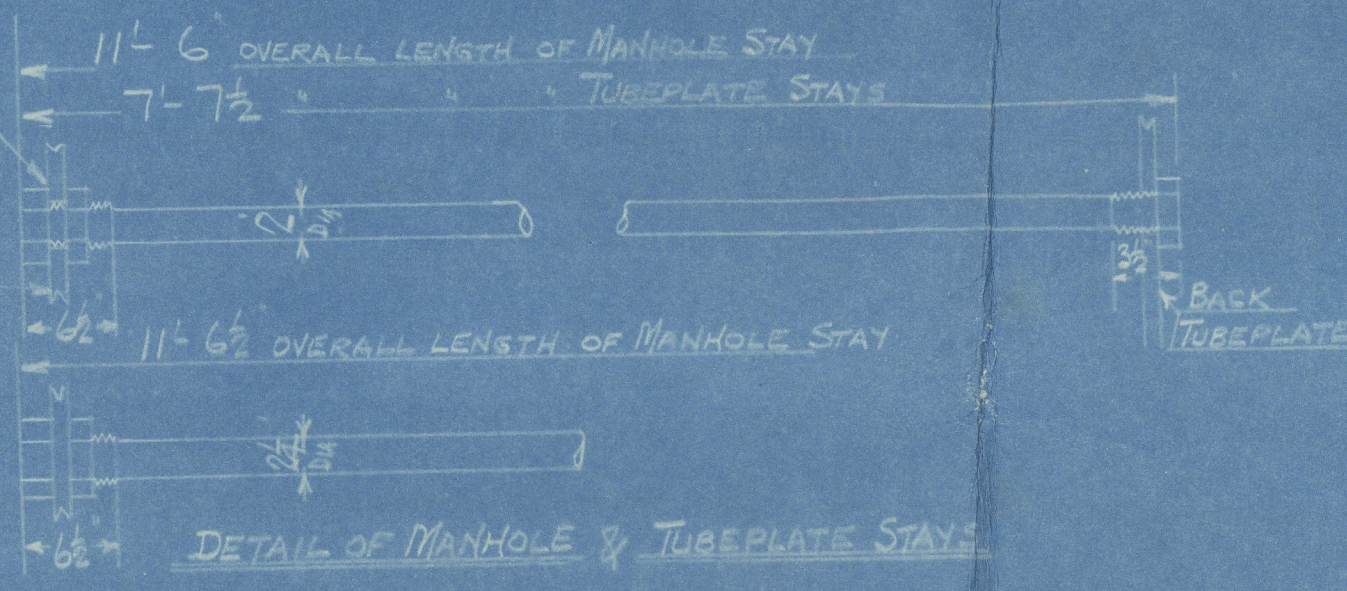


ALL RIVET HOLES DRILLED IN PLACE  
MAIN STAYS SWELLED AT ENDS BY  
HYDRAULIC PRESSURE & ANNEALED



TUBEPLATE  
& MANHOLE SIDE  
STAYS 2" DIA.  
ENDS SWELLED TO 2 1/2" DIA.  
& SCREWED 6 THRS PER INCH  
OUTSIDE NUT 3/8" DEEP  
INSIDE NUT 1/2" DEEP  
MANHOLE TOP STAY 2 1/2" DIA.  
ENDS SWELLED TO 2 1/2" DIA.  
& SCREWED 6 THRS PER INCH  
OUTSIDE NUT 3/8" DEEP  
INSIDE NUT 1/2" DEEP

14'-0" INT. DIA.



MAIN BOILER  
ONE OFF  
B. 420

WORKING PRESSURE 190 LBS. PER SQUARE INCH  
TEST 335  
TO PASS LLOYD'S SURVEY  
SCALE - ONE INCH = ONE FOOT

J.D.P.  
3/2/36

R.

FIREBOX STAYS		STEEL	
POSITION	MARK	DIA.	(DIA-25)
BACK, TOP & SIDES	18	1 1/2	1.844
" WIDE SPACE	18	1 1/2	1.844
" TOP ROW	18	1 1/2	1.844
" CORNER	18	1 1/2	1.844

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 END WHICH PROTECT C AND ARE CALLED  
ALL 1 1/2" NUTS 3/8" DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE  
NUTS ARE 1/2" DEEP  
ALL 1 1/2" NUTS 1" DEEP

O.T. 39525 A





GLASGOW

DAVID ROWAN & CO. LTD

(1) BOILER N<sup>o</sup> 420

WP-190 LBS

AMENDED PLAN 21-1-36

VAN DER KLOP N<sup>o</sup> 520

SLIEDRECHT

For

JAMES DREDGING CO.

*Dredger N<sup>o</sup> 520*

Fr

GLASGOW REPORT No 57064

RETAIN

W425-0222



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Foundation