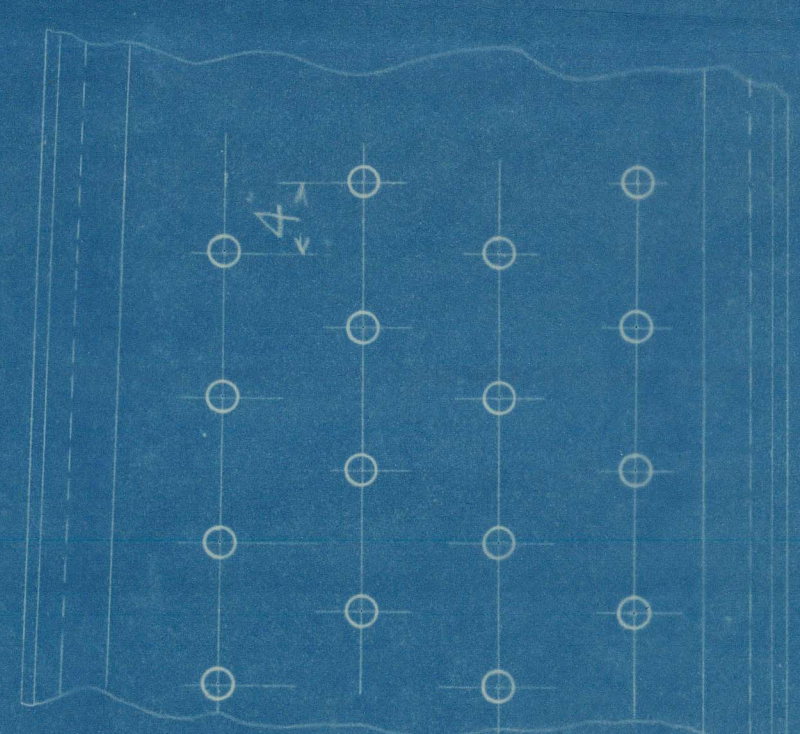


SURFACES		ONE BOILER
BACK TOP AND SIDES	2256	5
BACK	222	1
TUBEPLATE	104	1
FURNACES	163	1
TOTAL HEATING SURFACE	2805	5
GRATE AREA (5-6 BARS)	69	1
TUBE AREA	175	1
WATER AREA	186	1
STEAM SPACE	575	5
GRATE AREA : HEATING SURFACE	1 : 40.5	
GRATE AREA : TUBE	1 : 32.7	
GRATE AREA : WATER	1 : 2.7	
GRATE AREA : STEAM SPACE	1 : 8.33	
% BOILER ABOVE FIREBOX	30.5	
WEIGHT OF WATER		TONS

RIVETING					
LONG BACK STRAKE	LONG FRONT STRAKE	BACK END CIRCUM	CENTRE CIRCUM	FRONT END CIRCUM	
116	113	118	115	115	
PITCH	10 3/4	10 3/4	4-658	4-658	3-7
TO PLATE	84-58	84-83	65	65	61-1
TO RIVET	91-3	88-4	43-6	63-3	43
TO COMBINED	87-4	87-3			

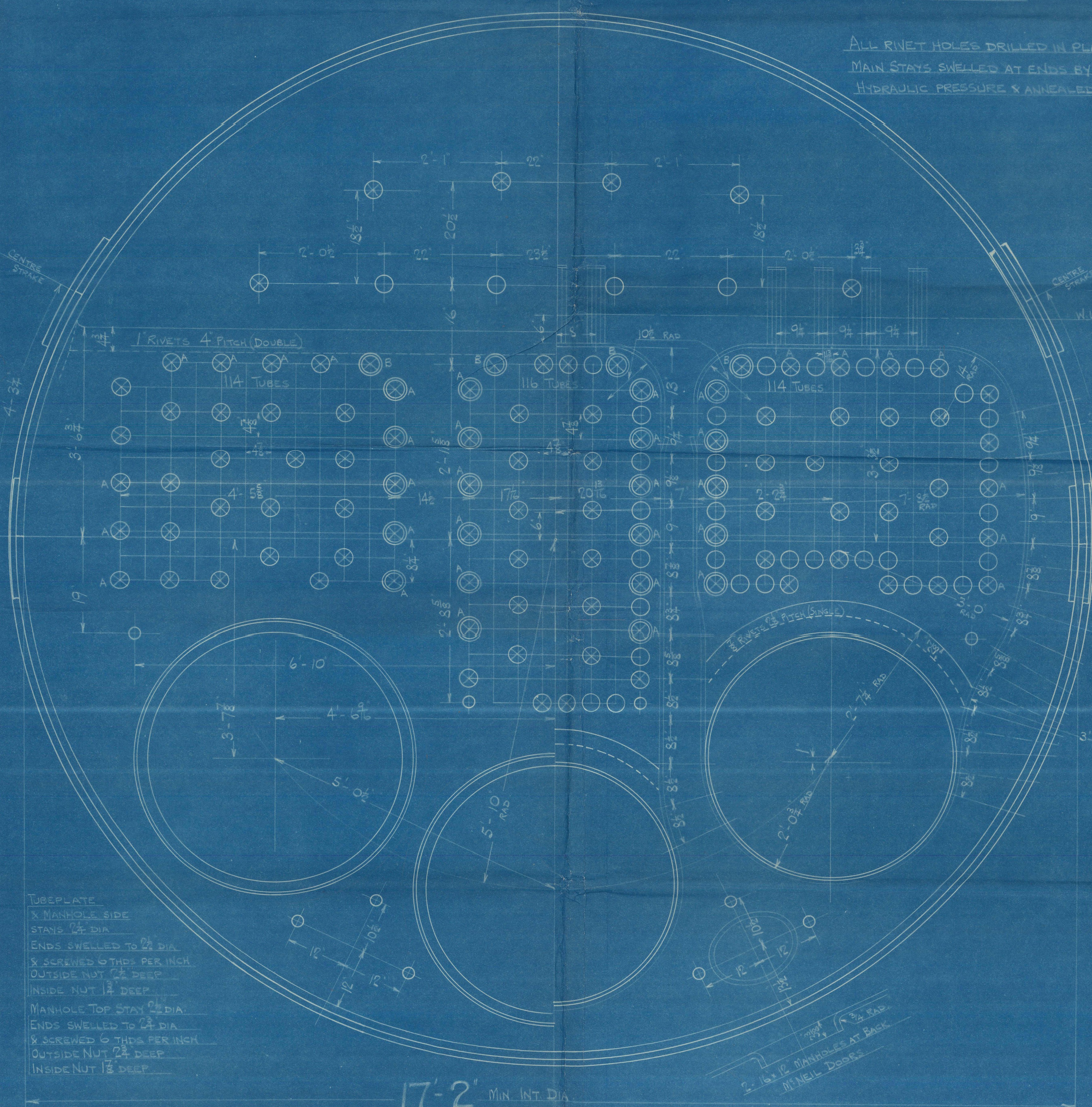
  

LIMITS OF TENSILE STRENGTH & MATERIAL		
SHELL & BUTTSTRAPS	31 TO 35 TONS	
GIRDERS	29	33
OTHER PLATES	26	30
FURNACES	26	30
MAIN STAYS	23	31
RIVET BARS	26	30
SCREENED STAYS	21	TONS
		IRON

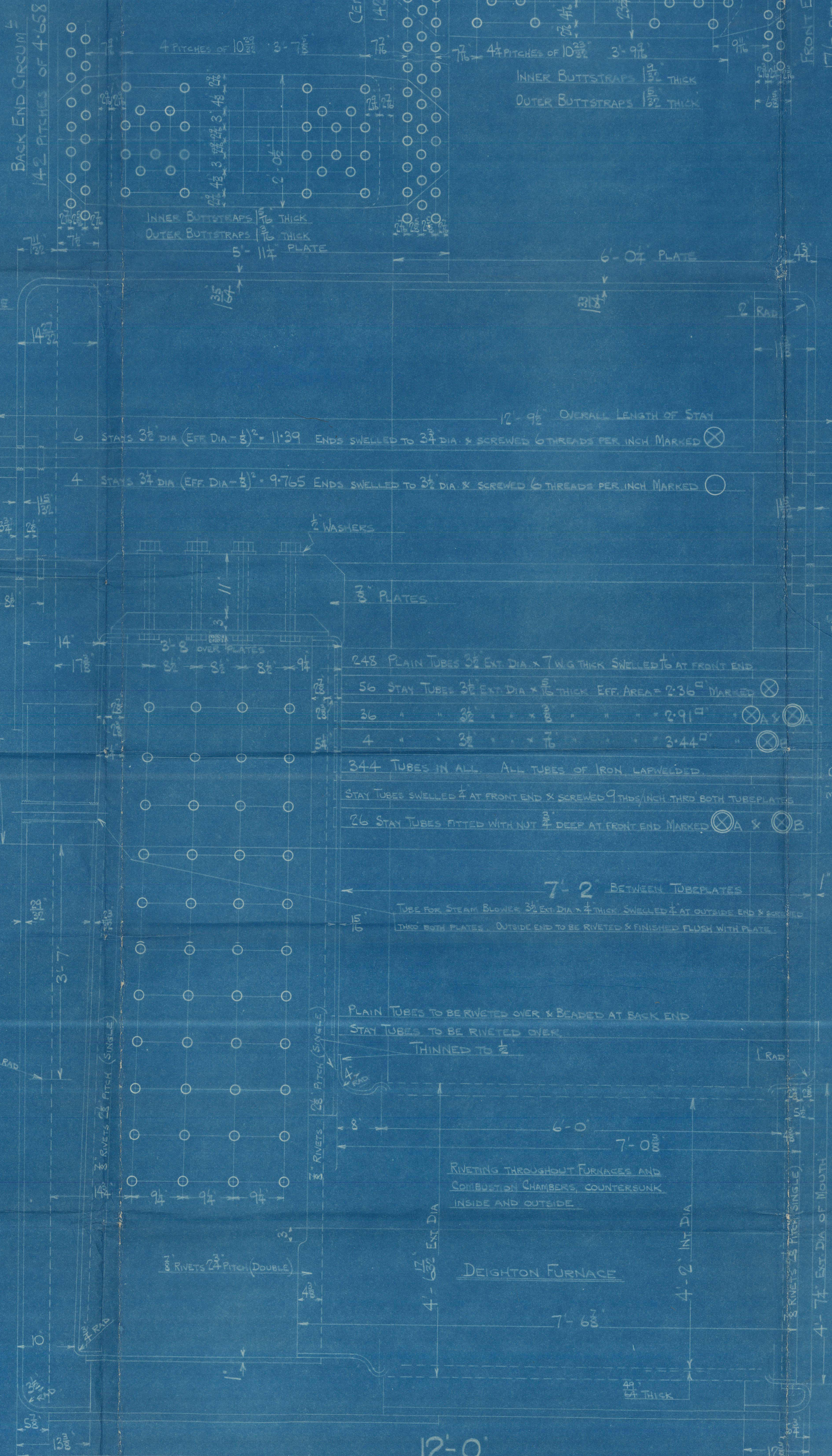
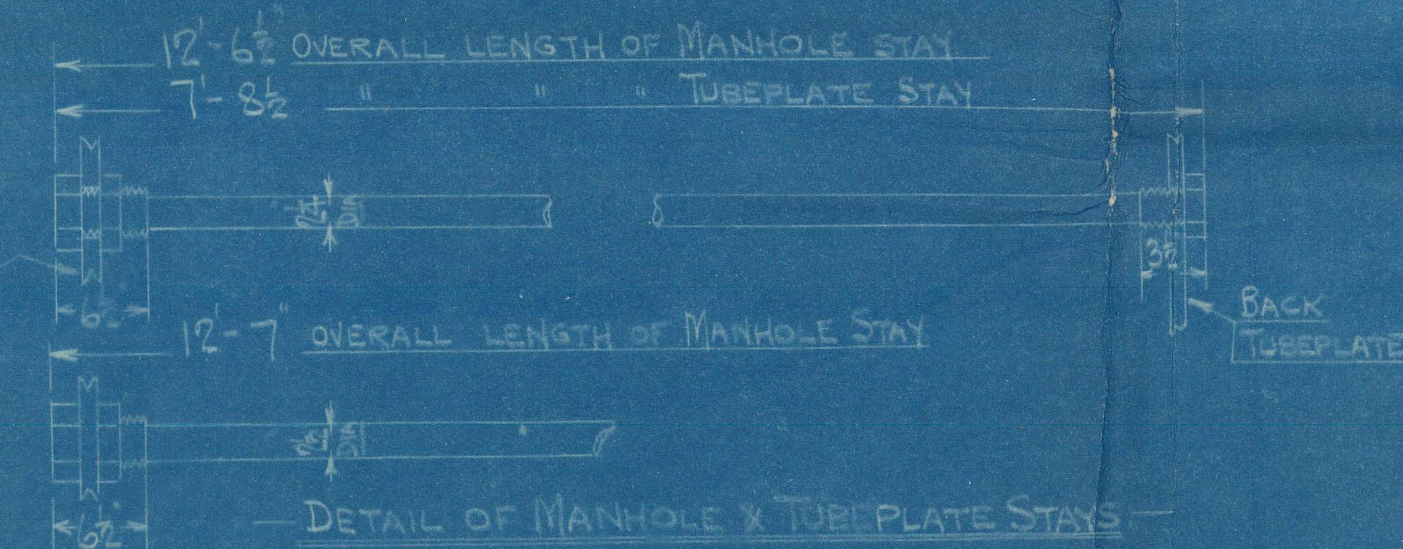


STAYS FROM WING FIREBOX TO SHELL ARRANGED THUS

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

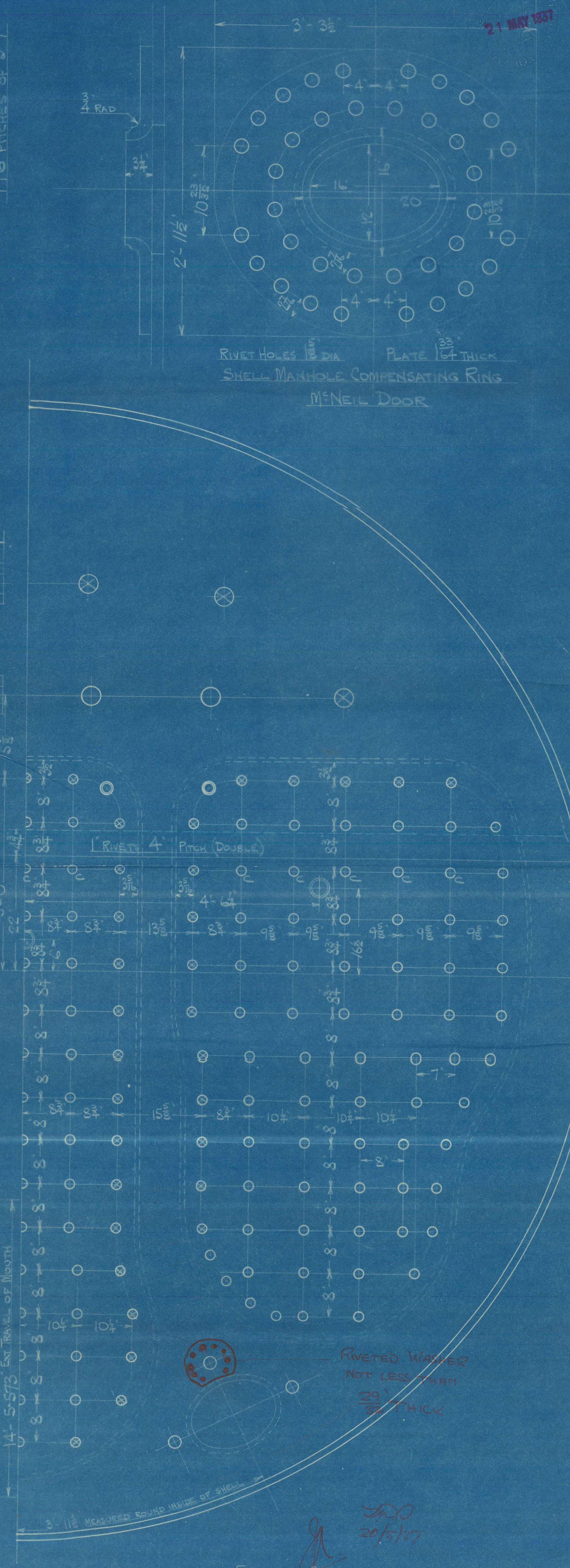


TUBEPLATE  
& MANHOLE SIDE  
STAYS 3/4 DIA  
ENDS SWELLED TO 2 1/2 DIA  
& SCREWED 6 THDS PER INCH  
OUTSIDE NUT 1/2 DEEP  
INSIDE NUT 1/2 DEEP  
MANHOLE TOP STAY 2 DIA  
ENDS SWELLED TO 2 1/2 DIA  
& SCREWED 6 THDS PER INCH  
OUTSIDE NUT 1/2 DEEP  
INSIDE NUT 1/2 DEEP



SINGLE END BOILER -  
ONE OFF  
CONT NO 1023

WORKING PRESSURE 215 LBS PER SQUARE INCH  
TEST 373  
TO PASS LLOYD'S SURVEY  
SCALE: ONE INCH = ONE FOOT



FIREBOX STAYS				
POSITION	MARK	DIA	(DIA - 25)	SCREWED THDS/INCH
BACK TOP & SIDES	○	1 1/2	2-199	9
BACK WIDE SPACE & TOP ROW	○	2	3-003	9
BACK TOP CORNER	○	2 1/4	2-982	9

ALL FIREBOX STAYS SCREWED THRU BOTH PLATES & NUT FITTED AT EACH END EXCEPT STAYS FROM WING FIREBOX TO SHELL & STAYS MARKED C ON BACK BOTTOM END WHICH PROVE 3/8 WAVE SAWLED  
ALL 1/4 NUTS 3/8 DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE NUTS ARE 1/2 DEEP  
ALL 2 NUTS 1 DEEP  
ALL 3/4 NUTS 1 1/2 DEEP

OT 40955



GLASGOW

DAVID ROWAN & CO<sup>LD</sup>

(1) SINGLE MAIN BOILER  
ENDED

Nº 1023

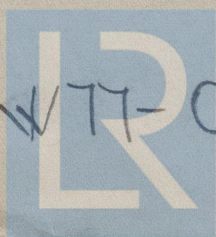
W.P. - 215 LBS D"

LITHGOWS L<sup>TD</sup> & CO<sup>LD</sup>

Scientist

GLASGOW REPORT Nº 60115

*4 fly sheets in duplicate  
enclosed*



© 2020

W/77-0021

Lloyd's Register  
Foundation