

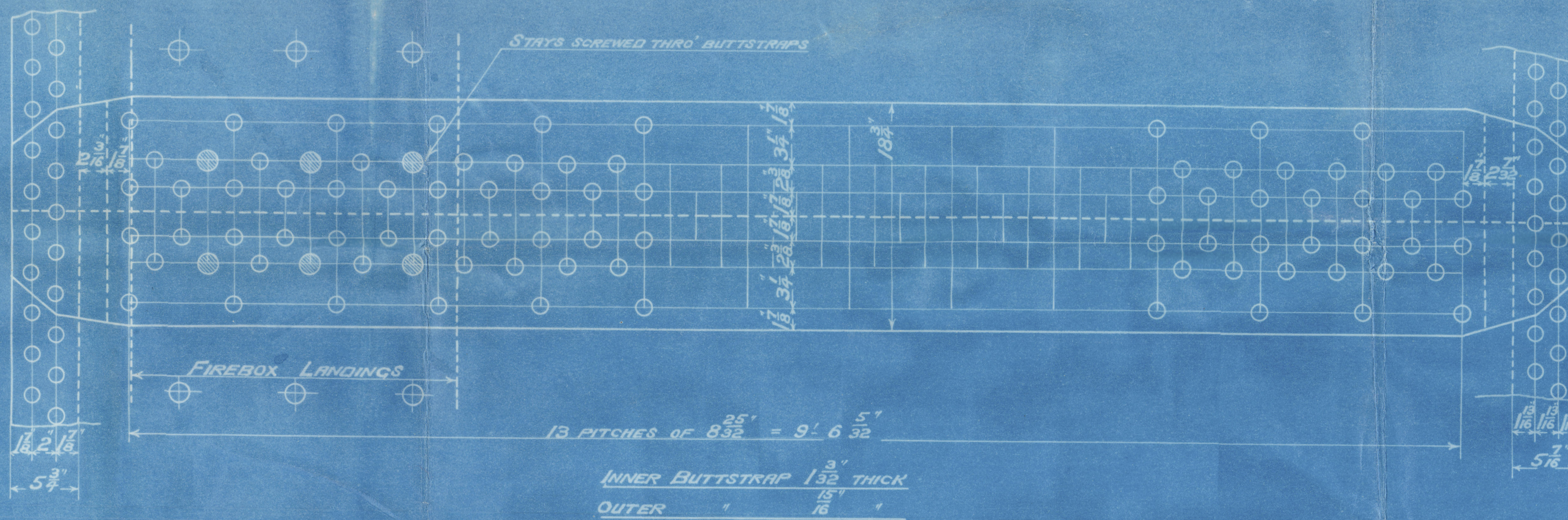
SURFACES		ONE BOILER 3 BOILERS	
TUBES	2292	6882	
FIREBOX TOP AND SIDES	159	477	
BACK	79	237	
TUBEPLATE	49	147	
FURNACES	157	471	
TOTAL HEATING SURFACE	2738	8214	
GRATE AREA (5"6" BARS)	59	177	
TUBE AREA	10	32	
WATER	165	495	
STEAM SPACE	520	1560	
GRATE AREA HEATING SURFACE	1:464		
TUBE AREA	1:39		
WATER	5:5:1		
STEAM SPACE	1:2:8		
% BOILER ABOVE FIREBOX	32.5		
WEIGHT OF WATER	27 TONS	81 TONS	

RIVETING			
	LONG	BACK END CIRC	FRONT END CIRC
RIVET HOLE DIA	1 1/2	1 1/2	1 1/2
PITCH	8" 7/8	3" 4/6	3" 2/3
1/4 PLATE	85" 7	64	43" 3
1/4 RIVET	85" 3	48" 4	46" 7

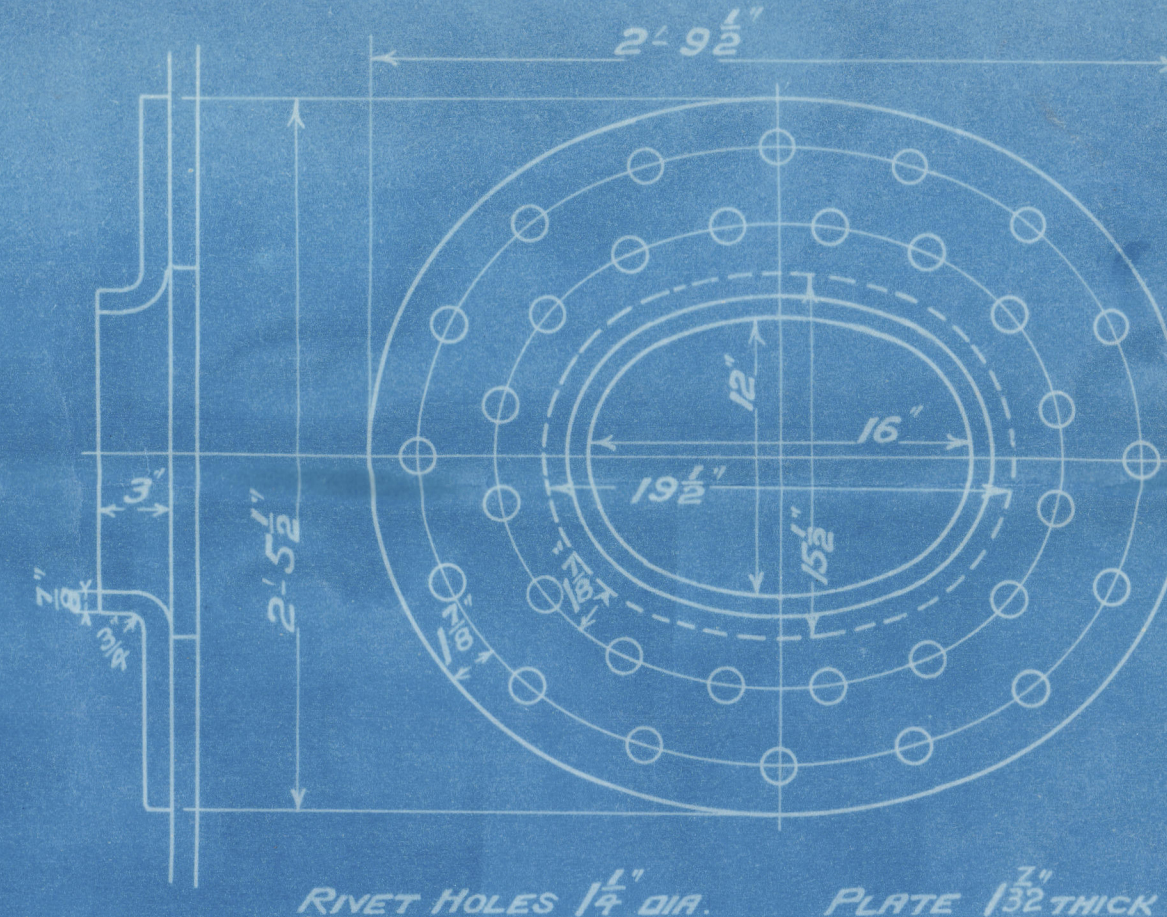
LIMITS OF TENSILE STRENGTH AND MATERIAL		
SHELL BUTTSTRAPS AND GIRDERS	26 TO 32 TONS	
OTHER PLATES	26 TO 30	
FURNACES	26 TO 30	SIEMENS MARTIN STEEL
MAIN STAYS	28 TO 32	
SCREWED STAYS	NOT TESTED	IRON
RIVET BARS	26 TO 30 TONS	SIEMENS MARTIN STEEL

30/12/12

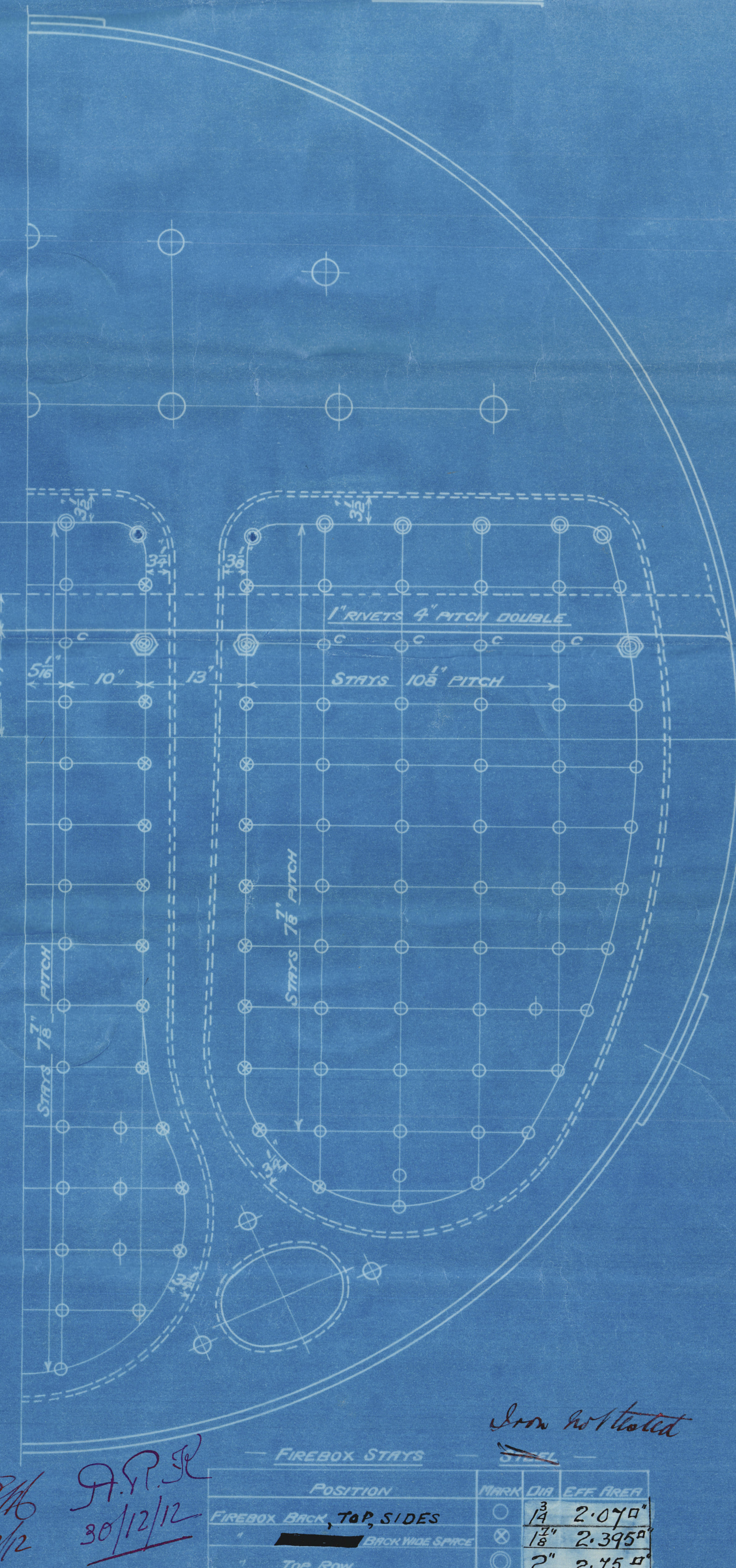
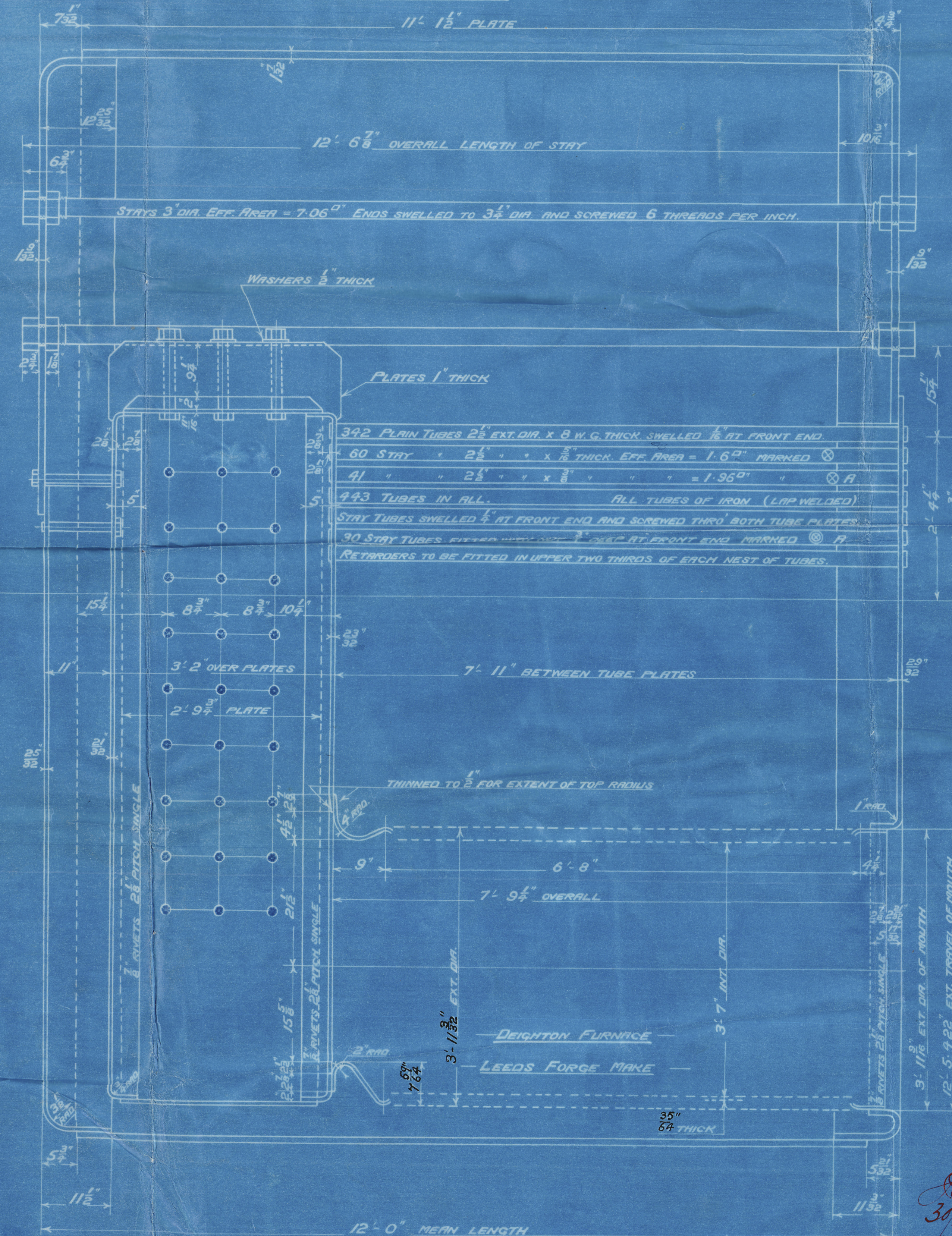
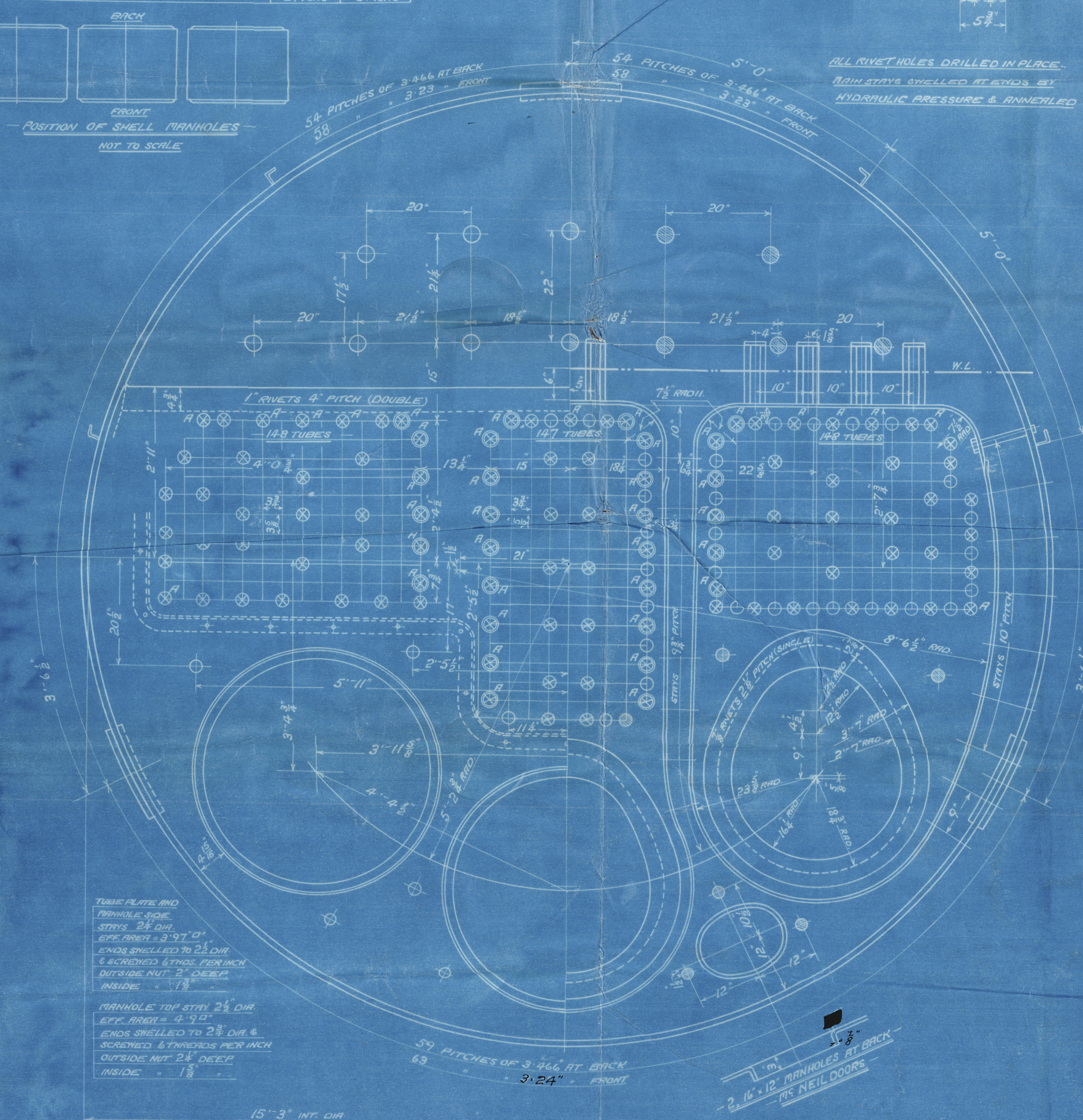
BACK END CIRCUMFERENTIAL
167 PITCHES OF 3" 4/6



FRONT END CIRCUMFERENTIAL
116 PITCHES OF 3" 2/3 & 63 PITCHES OF 3" 2/3

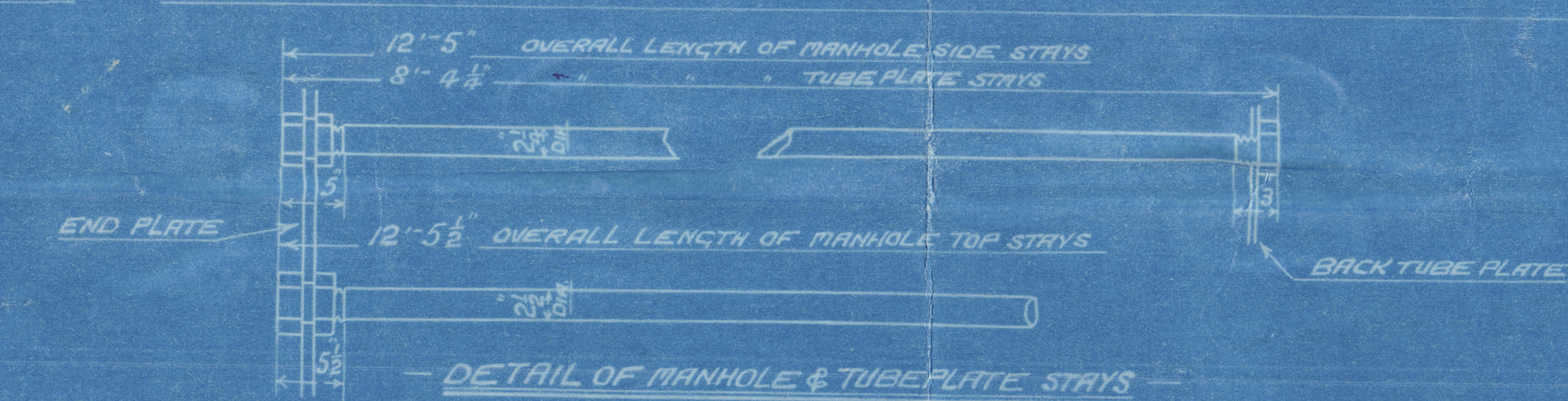


SHELL MANHOLE COMPENSATING RING
McNEIL DOOR



TUBE PLATE AND MANHOLE RING
STAYS 2 1/2" DIA.
EFF. AREA = 3' 97" 0"
ENDS SWELLED TO 2 3/8" DIA.
& SCREWED 6 THDS PER INCH
OUTSIDE NUT 2" DEEP
INSIDE 1 1/2"

MANHOLE TOP STAY 2 1/2" DIA.
EFF. AREA = 4' 99"
ENDS SWELLED TO 2 3/8" DIA.
& SCREWED 6 THDS PER INCH
OUTSIDE NUT 2" DEEP
INSIDE 1 1/2"



MAIN BOILER
3 OFF
CON^TN^O 608

WORKING PRESSURE = 180 LBS. PER SQ. INCH
TO PASS LLOYDS SURVEY
SCALES 1" 1/2" = ONE FOOT

30/12/12

30/12/12

FIREBOX STAYS		
POSITION	MARK DIA	EFF. AREA
FIREBOX BACK, TOP, SIDES	1 1/2	2' 079"
" " " " " " " "	1 1/2	2' 395"
TOP ROW	2	2' 75"

ALL FIREBOX STAYS SCREWED THRU BOTH PLATES AND NUT FITTED AT EACH END EXCEPT STAYS FROM WING FIREBOX TO SHELL AND STAYS IN BACK BOTTOM END MARKED 'C' WHICH PROJECT & THRU OUTER PLATE AND ARE CHILLED.

ALL 1 1/2" NUTS 1" DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE NUTS ARE 1 1/2" DEEP.

ALL 1 1/2" NUTS 1 1/2" DEEP.

ALL 2" NUTS 1 1/2" DEEP.



W664-0042

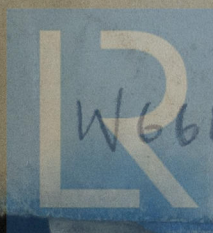
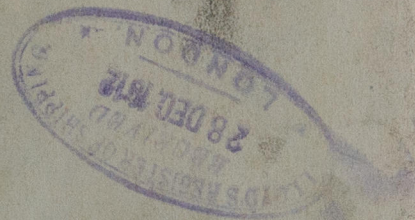
David Rowan & Co
N^o 608



Main Boilers

Saint Egbert

GLASGOW REPORT No: 33801



© 2021

W664-0042 Register
Foundation