

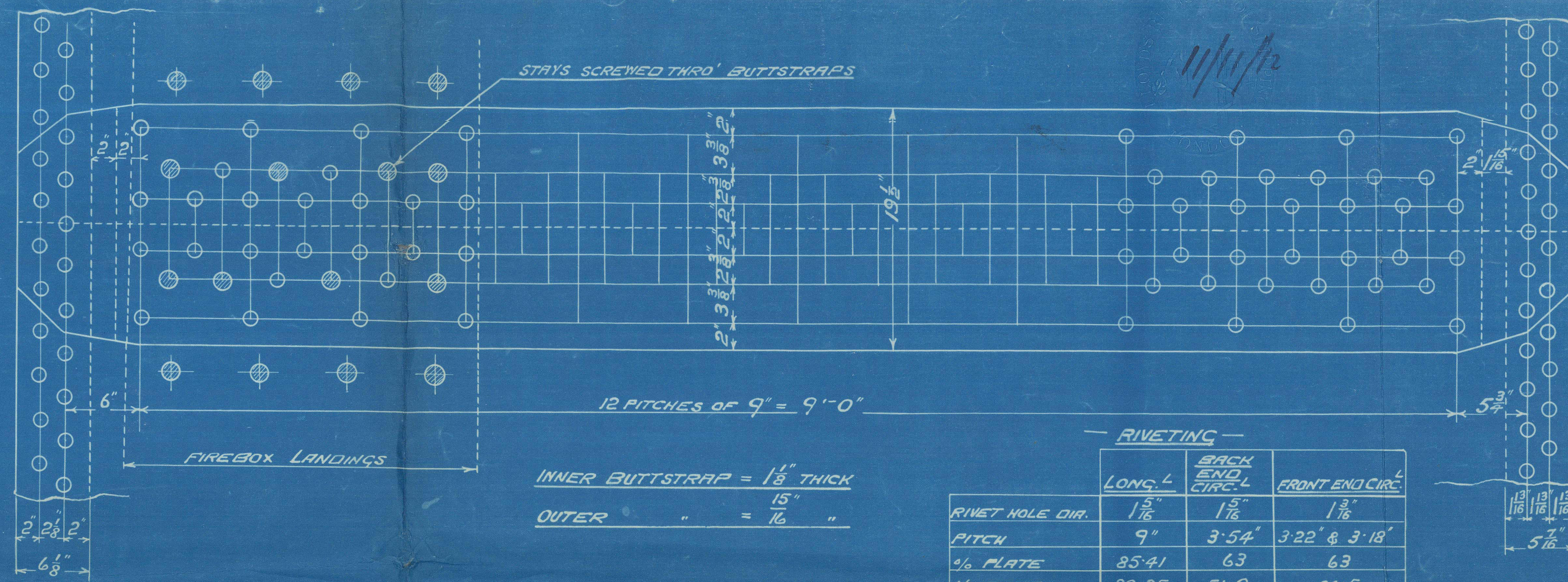
POSITION OF MANHOLES

SURFACES	ONE BOILER	3 BOILERS
TUBES	2154	6462
FIREBOX TOP & SIDES	176	528
" BACK	86	258
" TUBE PLATE	58	174
FURNACES	146	438
TOTAL HEATING SURFACE	2620	7860
GRATE AREA (5" 6" BARS)	60.3	181
TUBE AREA	14.3	42.9
WATER	158	474
STEAM SPACE	488	1464
GRATE AREA HEATING SURFACE	1:43.4	
" " TUBE	1:35.6	
" " AREA	4.2:1	
" " WATER	1:2.62	
" " STEAM SPACE	1:8.1	
% BOILER ABOVE FIREBOX	31.2	
WEIGHT OF WATER	26 1/2 TONS	79 1/2 TONS

ALL PLATES & RIVETS OF SIEMENS-MARTIN STEEL
ALL RIVET HOLES DRILLED IN PLACE.

BACK END CIRC.

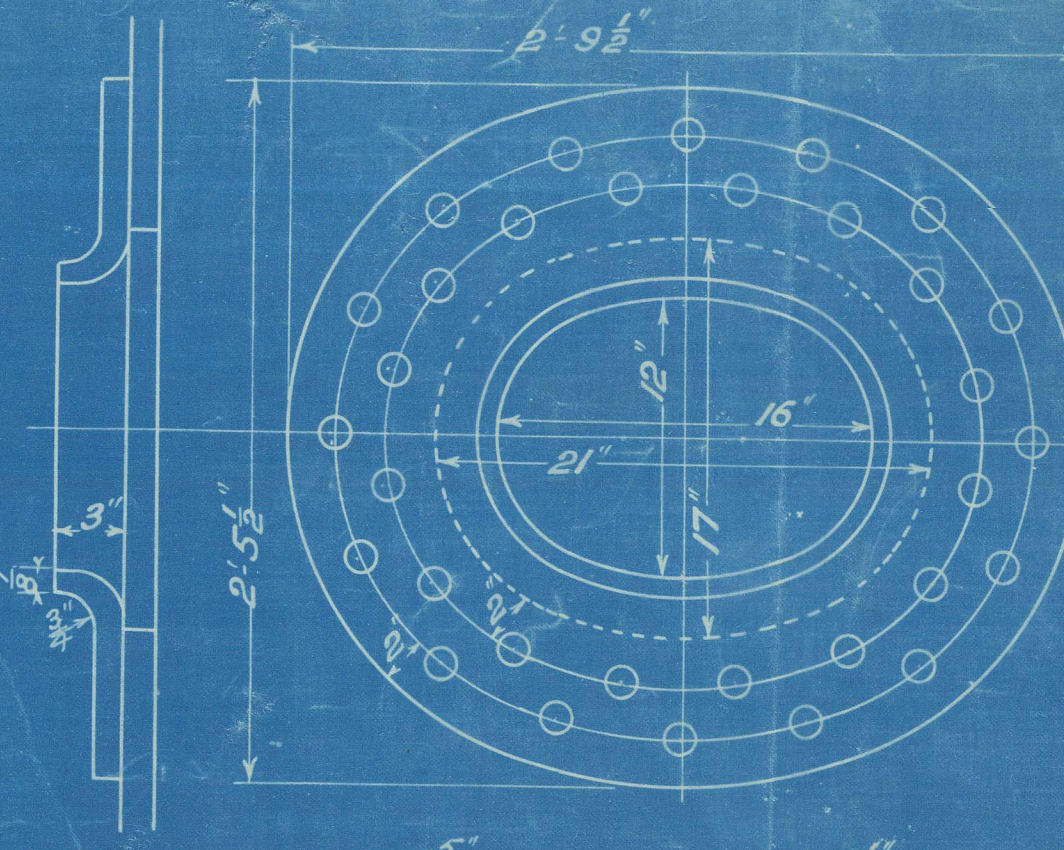
166 PITCHES OF 3.54



RIVETING	LONG. C	BACK END CIRC.	FRONT END CIRC.
RIVET HOLE DIA.	1 1/8"	1 1/8"	1 1/8"
PITCH	9"	3.54"	3.22" & 3.18"
1/4 PLATE	85.41	63	63
1/4 RIVET	89.25	51.9	46.5

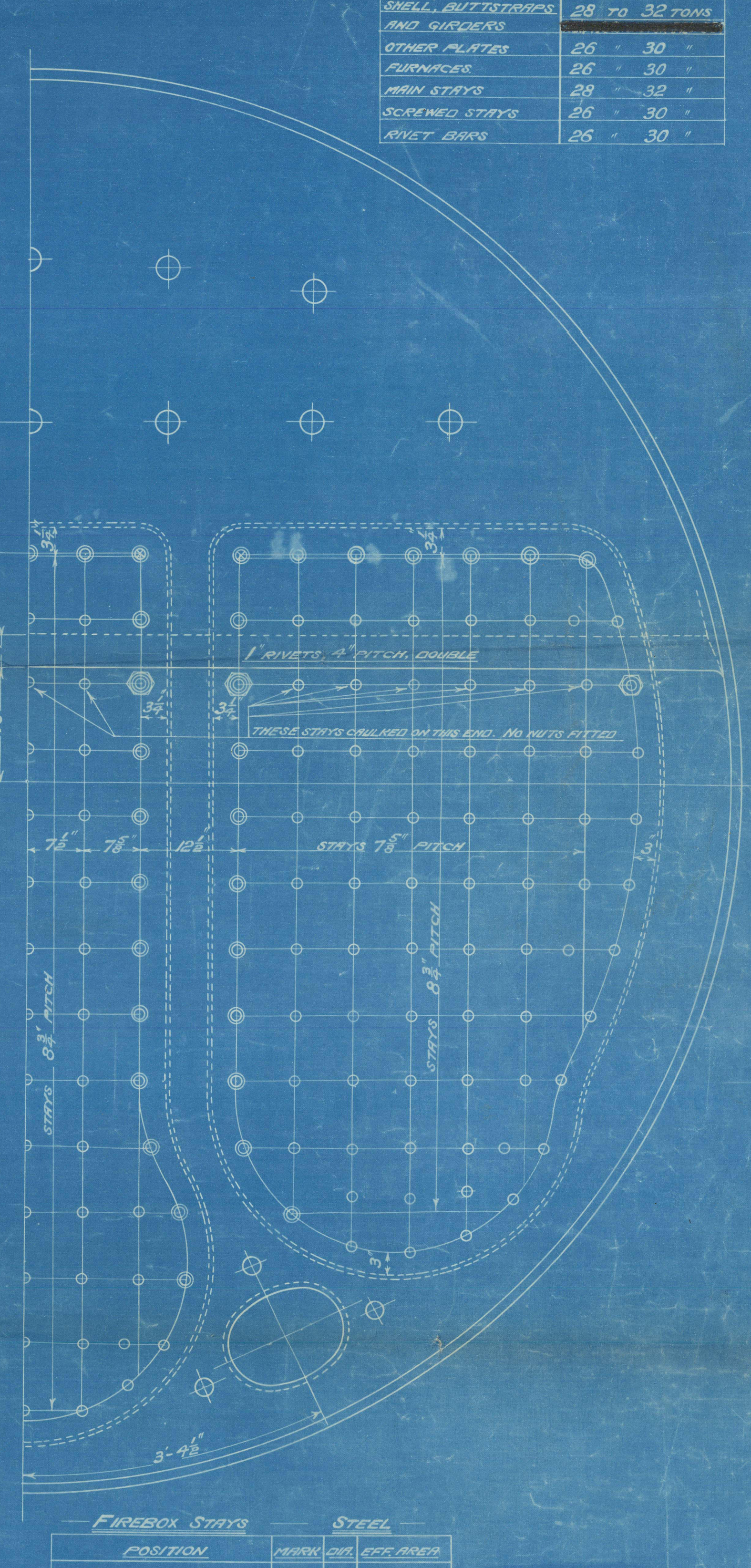
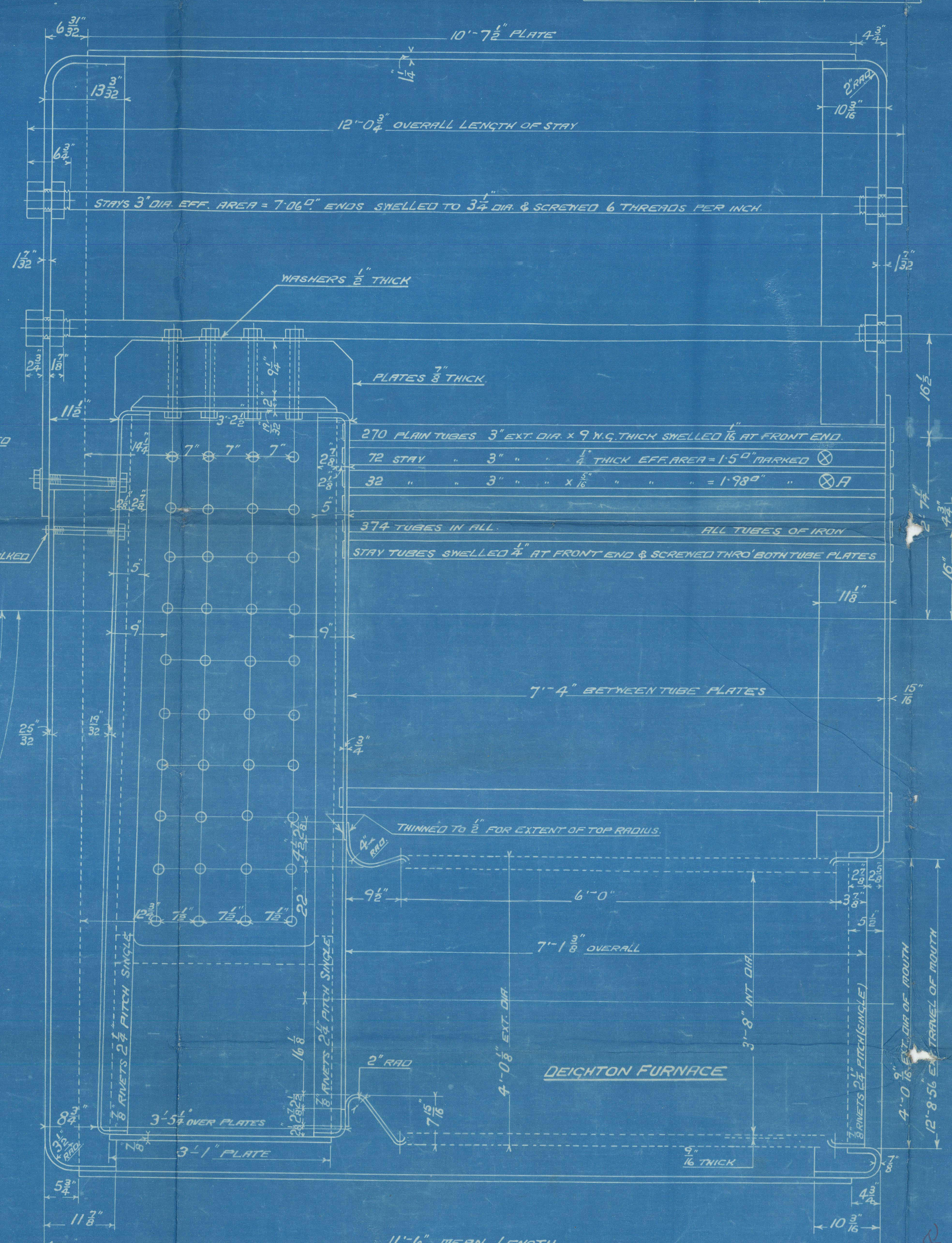
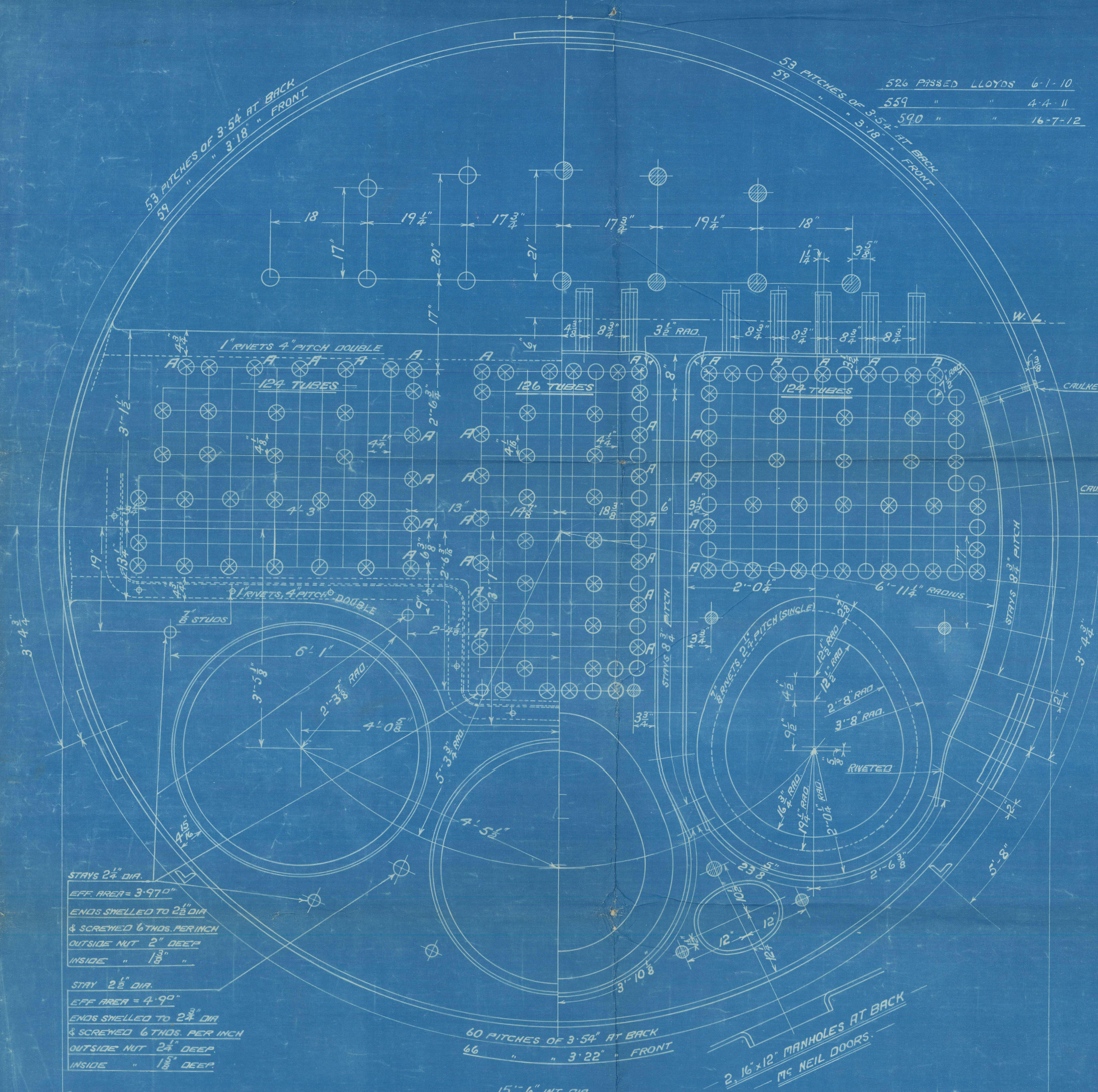
FRONT END CIRC.

166 PITCHES OF 3.18 & 60 PITCHES OF 3.22



RIVET HOLES 1 1/8" DIA. PLATE 1 1/2" THICK
SHELL MANHOLE COMPENSATING RING

LIMITS OF TENSILE STRENGTH	
SHELL, BUTTSTRAPS, AND GIRDERS	28 TO 32 TONS
OTHER PLATES	26 " 30 "
FURNACES	26 " 30 "
MAIN STAYS	28 " 32 "
SCREENED STAYS	26 " 30 "
RIVET BARS	26 " 30 "

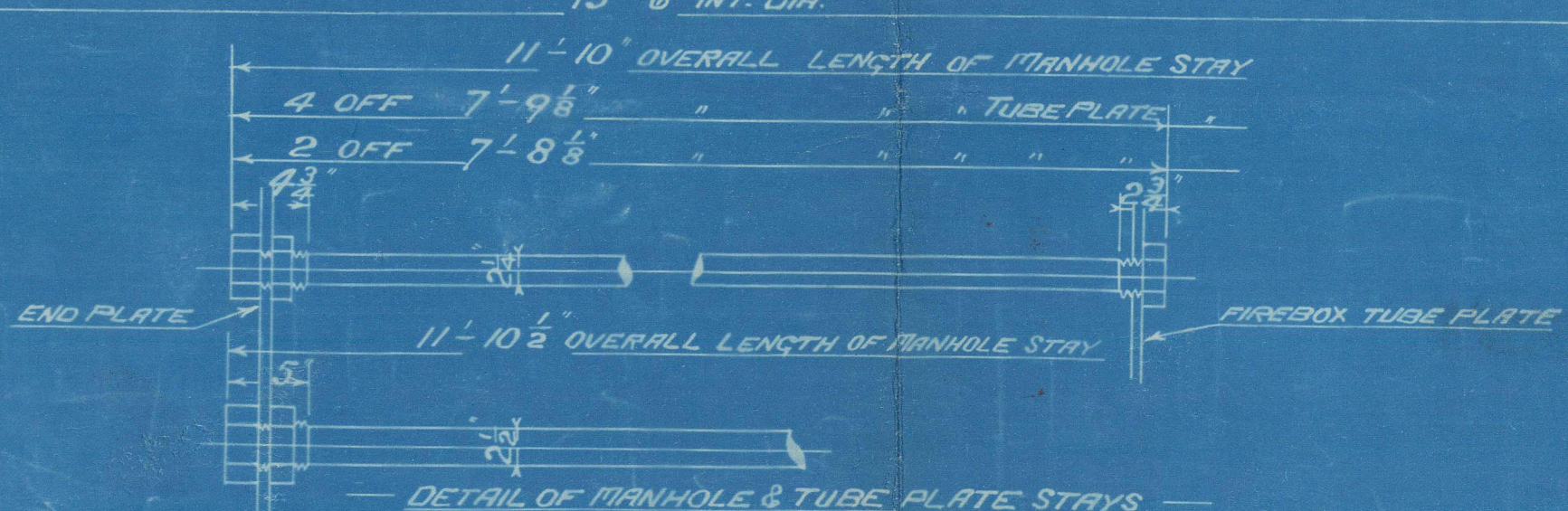


STAYS 2 1/2" DIA.
EFF. AREA = 3.970"
ENDS SHELLED TO 2 1/2" DIA.
& SCREWED 6 THDS. PER INCH
OUTSIDE NUT 2" DEEP
INSIDE " 1 1/2" DEEP

STAY 2 1/2" DIA.
EFF. AREA = 4.99"
ENDS SHELLED TO 2 1/2" DIA.
& SCREWED 6 THDS. PER INCH
OUTSIDE NUT 2 1/2" DEEP
INSIDE " 1 1/2" DEEP

60 PITCHES OF 3.54" AT BACK
66 " " 3.22" FRONT

2 1/2" x 12" MANHOLES AT BACK
MC NEIL DOORS.



MAIN BOILER
3 OFF FOR EACH CONT N°

CONT N° 605

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

FIREBOX STAYS	STEEL
POSITION	MARK DIA. EFF. AREA
FIREBOX BACK, TOP & SIDES	1 1/2" 1.480"
" OUTER CORNERS	1 1/2" 2.070"
" TOP CORNERS	2" 2.750"

ALL STAYS SCREWED THRO' BOTH PLATES AND NOT FITTED AT EACH END EXCEPT WHERE OTHERWISE STATED ON DRAWING.
ALL 1 1/2" & 1 1/4" NUTS, 1" DEEP EXCEPT ON GINDER TOPS WHERE THE OUTSIDE NUTS ARE 1 1/2" DEEP
ALL 2" NUTS ARE 1 1/2" DEEP

O.T. 16503



MAIN BOILER

David Rowan & Co

2^c 605

ss. Strabo.

GLASGOW REPORT No. 3384.



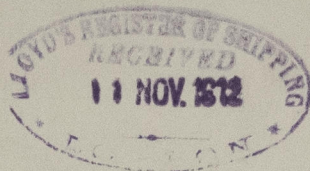
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