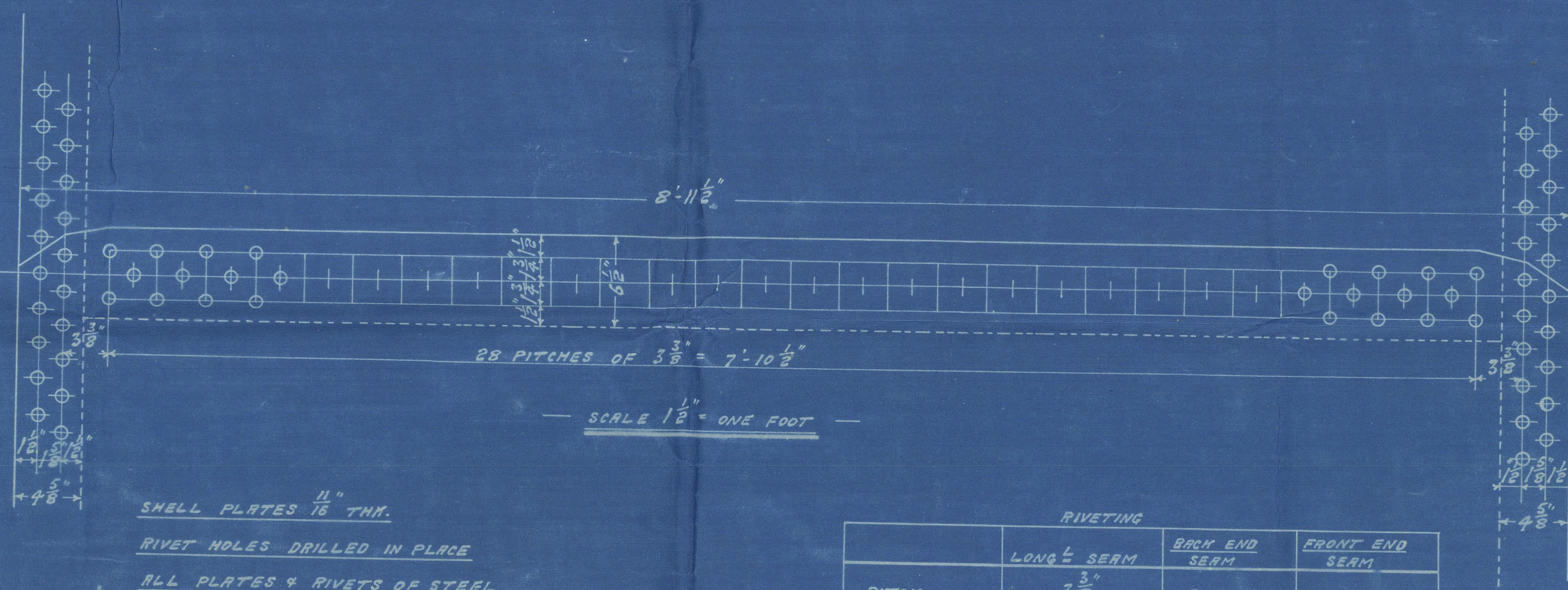


16.1.02

THICKNESSES	STEEL	IRON
SHELL	1/2"	3/16"
TOP FRONT & BACK	1/2"	3/16"
BOTTOM FRONT	1/2"	3/16"
BACK	1/2"	3/16"
BACK TUBE PLATE	1/2"	3/16"
FIREBOX	1/2"	3/16"
TOP & SIDES FIREBOX	1/2"	3/16"
BOTTOM	1/2"	3/16"
FURNACES	1/2"	3/16"
MANHOLE DOUBLING	1/2"	3/16"

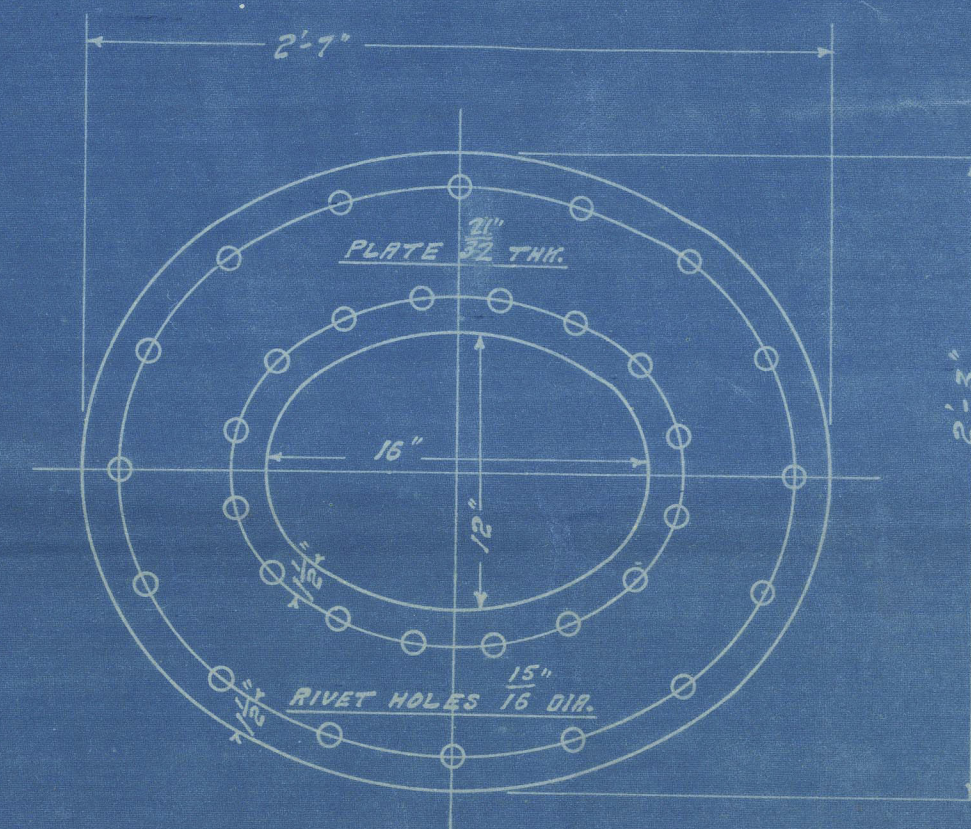
SURFACES ETC.		
120 TUBES 3/4" EXT. DIA. @ 5.52 #	663.6 #	
FURNACES	57	
TOTAL HEATING SURFACE	824.6	
GRATE AREA @ 2'-10 1/2" DIA.	31.6	
WATER	82	
TUBE	5.5	
STEAM SPACE	159 cu. ft.	
RATIO GRATE AREA TO HEATING SURFACE	1: 26	
TUBE	1: 21	
AREA	1: 174	
WATER	1: 2.59	
STEAM SPACE	1: 4.87	
1/2" BOILER ABOVE FIREBOX	31.2	
LENGTH OF FIREBOX	5'-6"	
WEIGHT OF WATER	11 TONS	

BACK END STAY  
— 1/8" PITCH OF 2'-5 1/2" —

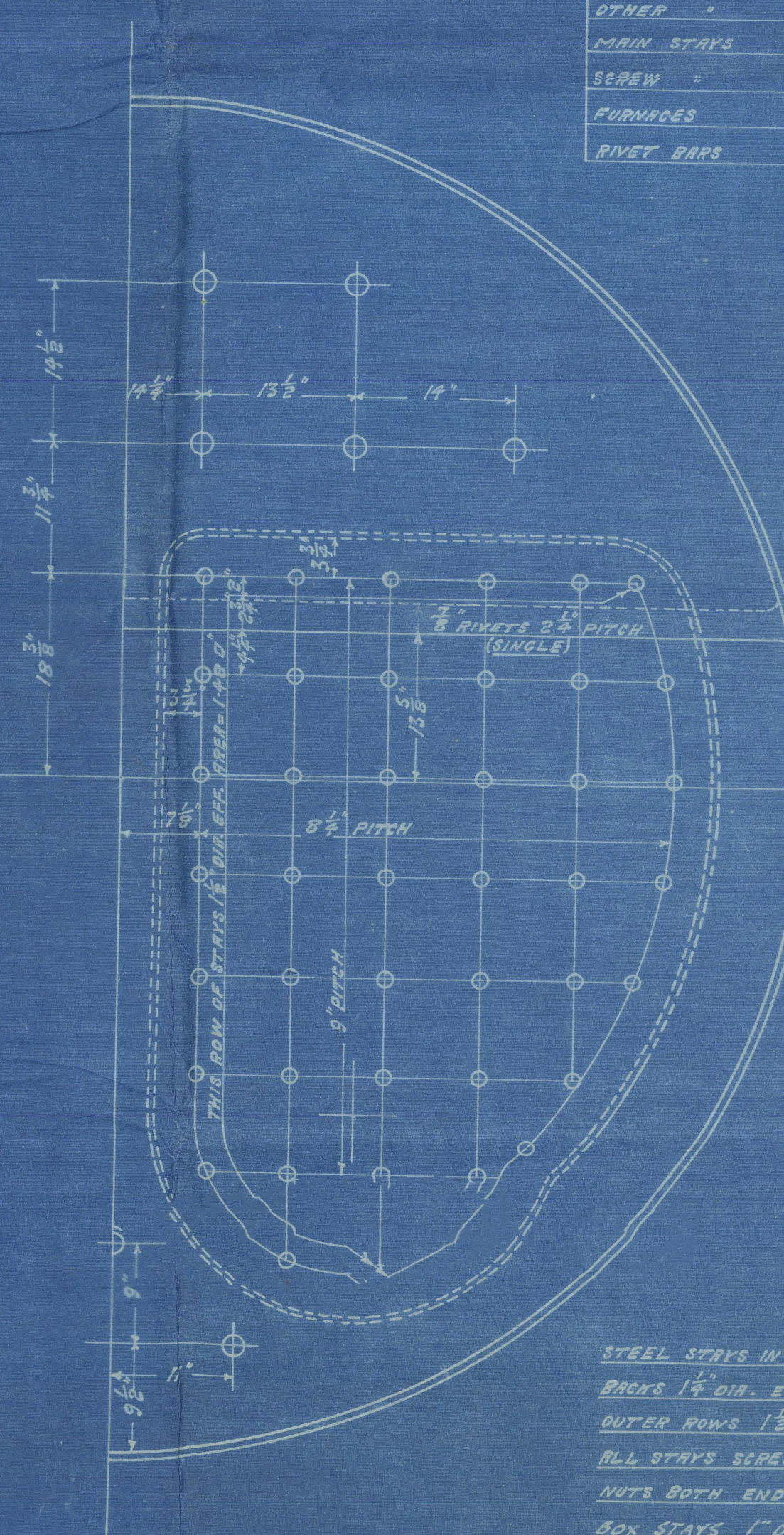
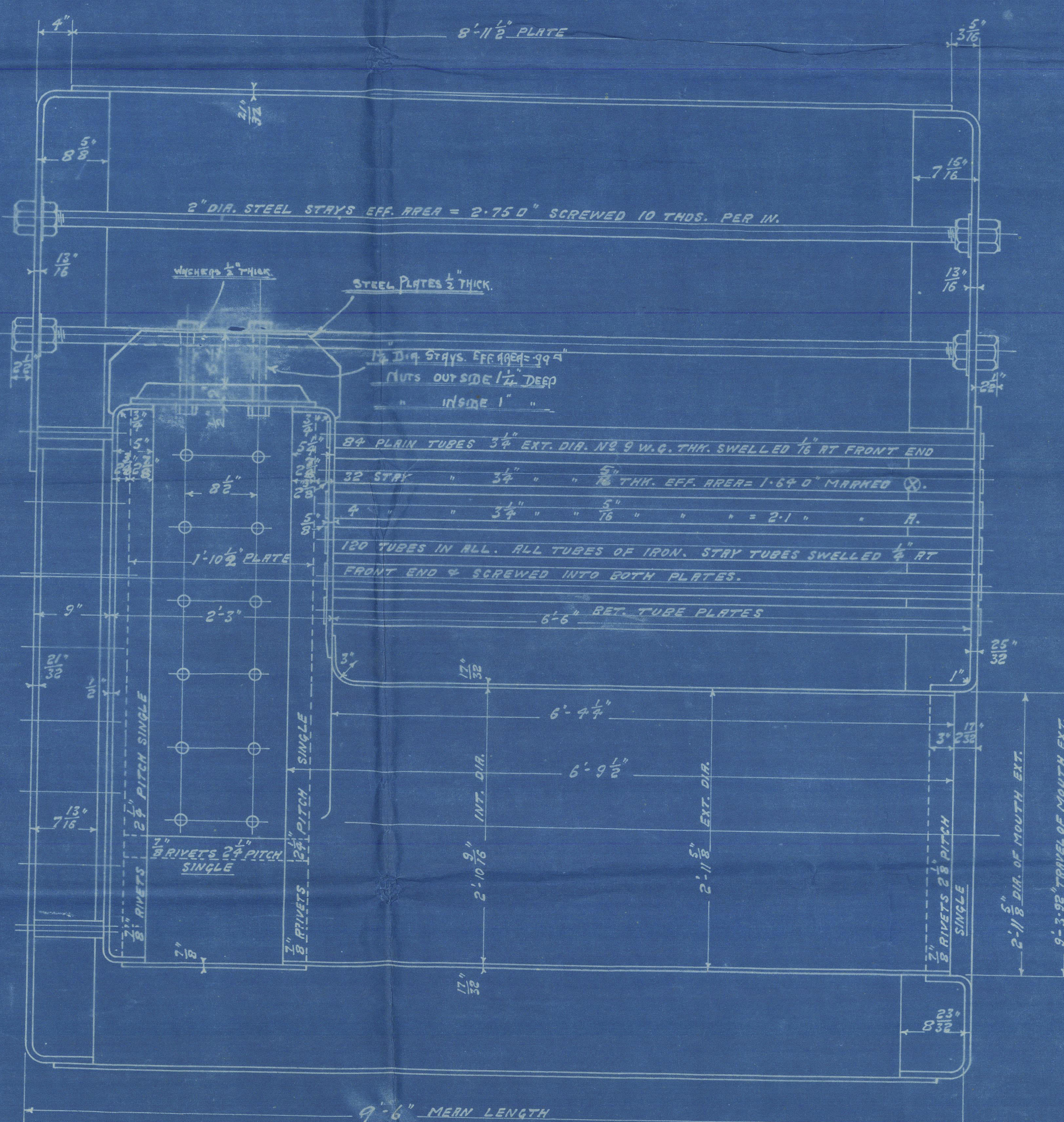
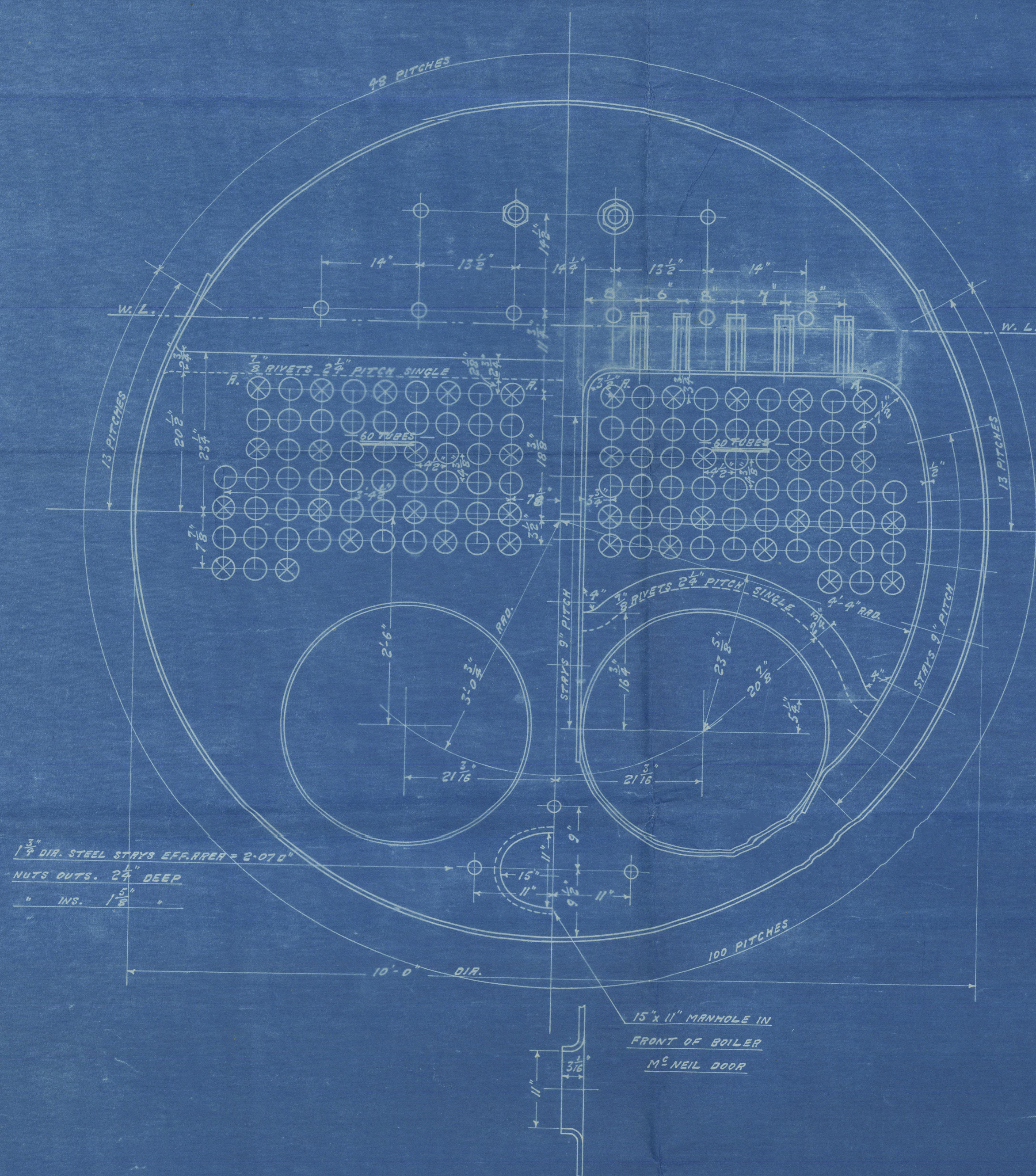


PITCH	RIVETING	
	LONG & SEAM	END END SEAM
3 1/2"	2'-5 1/2"	2'-5 1/2"
DIA. OF HOLES	15"	15"
1/2" PLATE	78.2	65.3
1/2" RIVET	78.2	65.3

Passed Lloyd 21/12/05



LIMITS OF TENSILE STRENGTHS	
SHELL PLATES	20 TO 32 TONS PER SQ. IN.
OTHER	20 TO 30
MAIN STAYS	27 TO 32
SCREW	20 TO 30
FORWARDS	20 TO 30
RIVET SHIPS	20 TO 30



# DONKEY BOILER

FOR  
CONTRACT NOS 446-447

ONE OFF FOR EACH CONTRACT NUMBER

WORKING PRESSURE 100 LBS. PER SQ. IN.

UNDER BOARD OF TRADE & LLOYD'S SURVEYS

SCALES 1/4" 1/8" = ONE FOOT



O.T. 6417

TRIP NO 2013

TRIP NO 2013

Lloyd's Register Foundation



From DAVID ROWAN & CO., GLASGOW.

ENCLOSURE

FOR

*Messrs Floyds Surveyors.*

D. Rowan & Co.

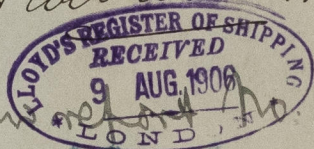
D.B. No. 446/7

S.S. "Lewiston"

Glasgow report No. 24280.

S.S. "Tantaron"

Glasgow report No. 24520



RETAIN



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