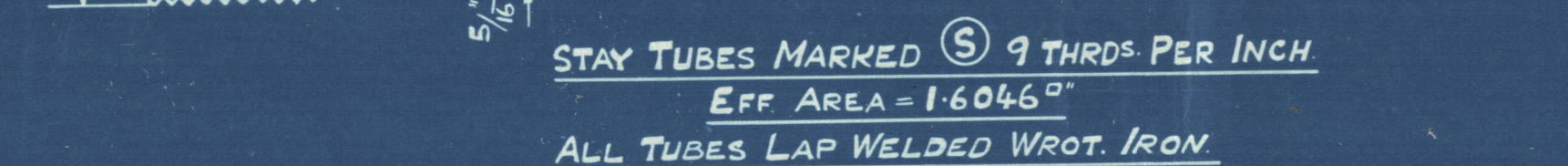
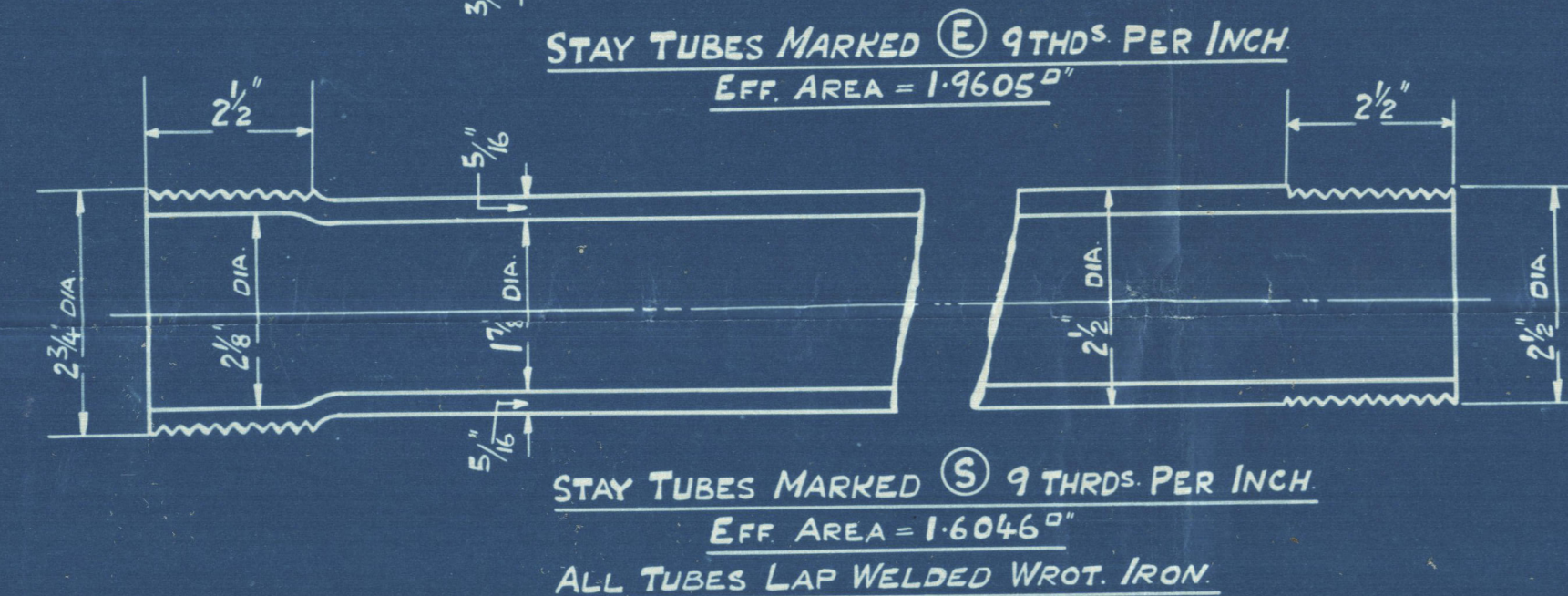
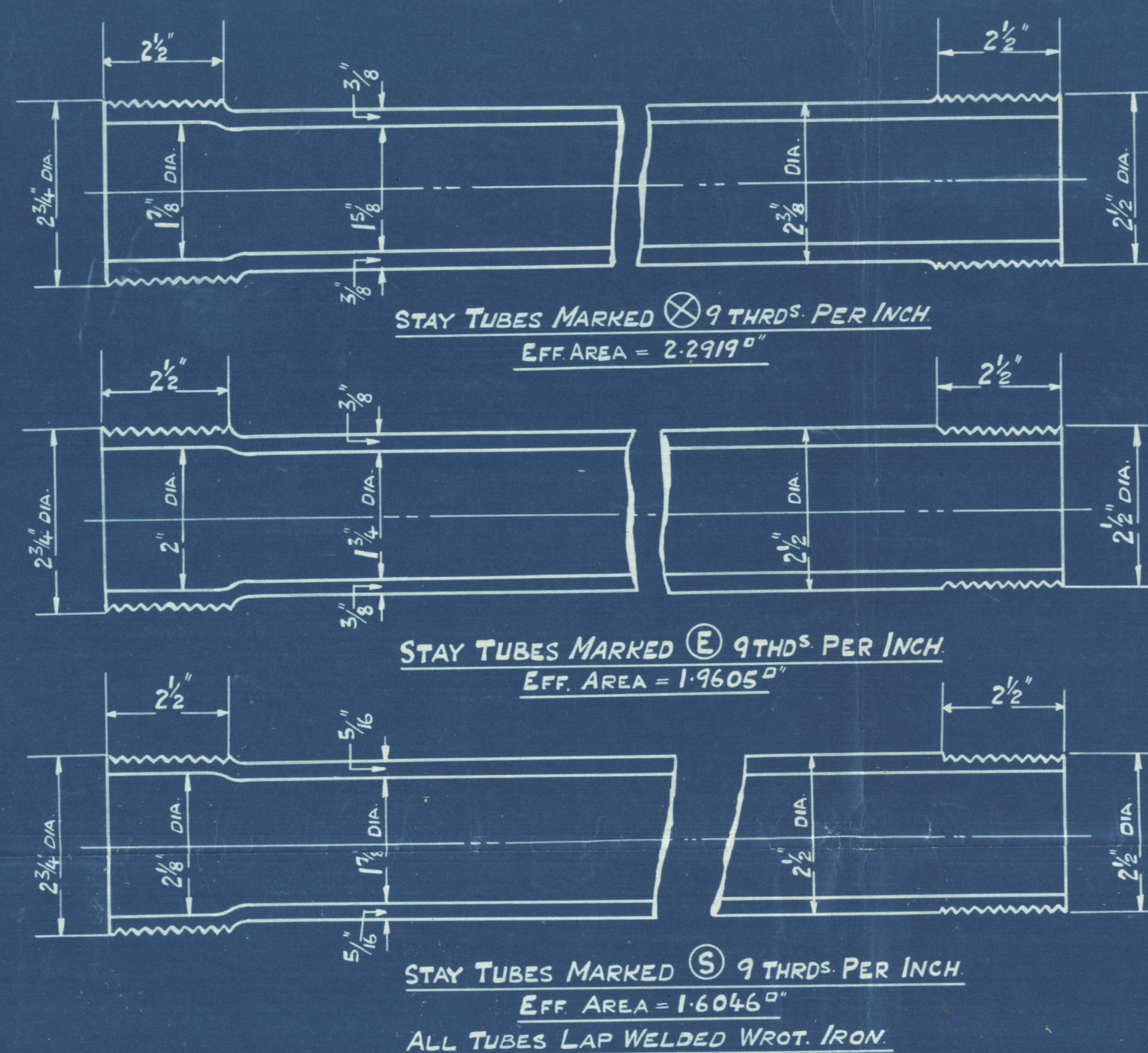
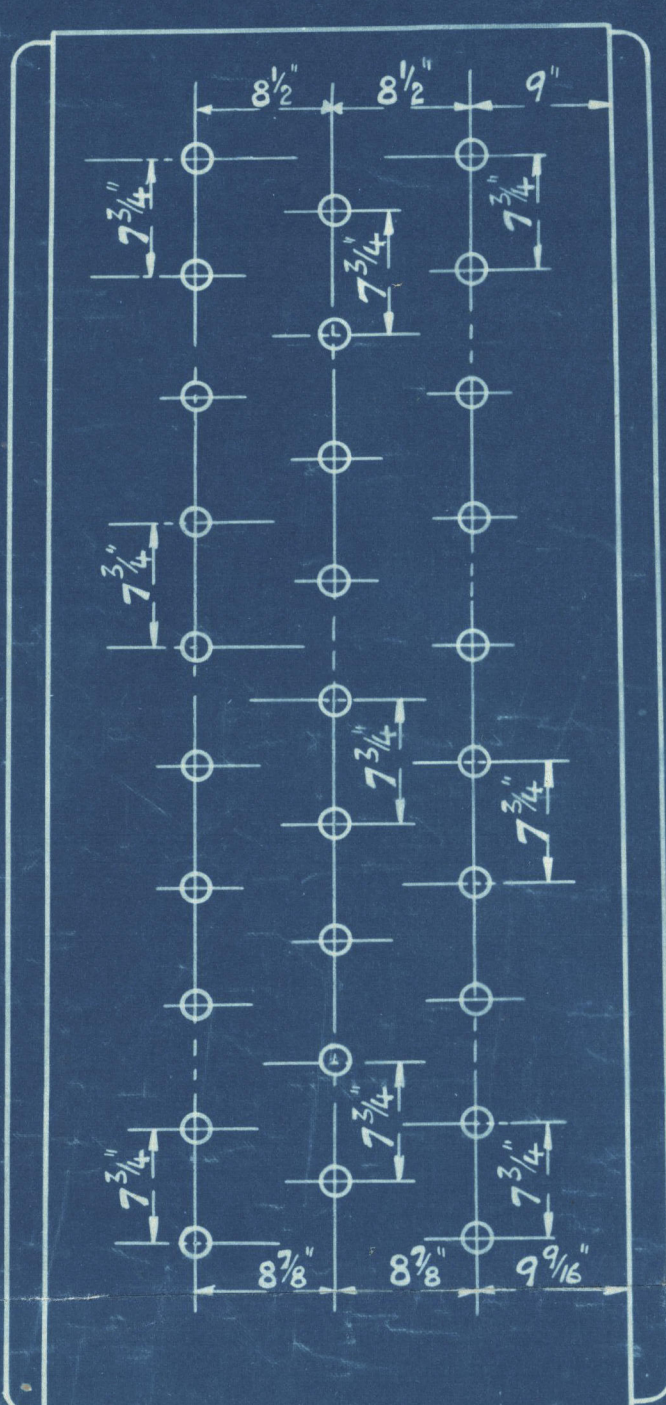
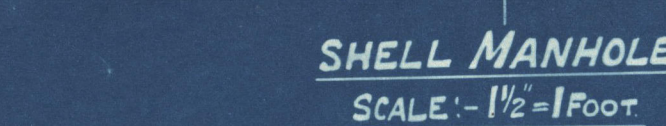
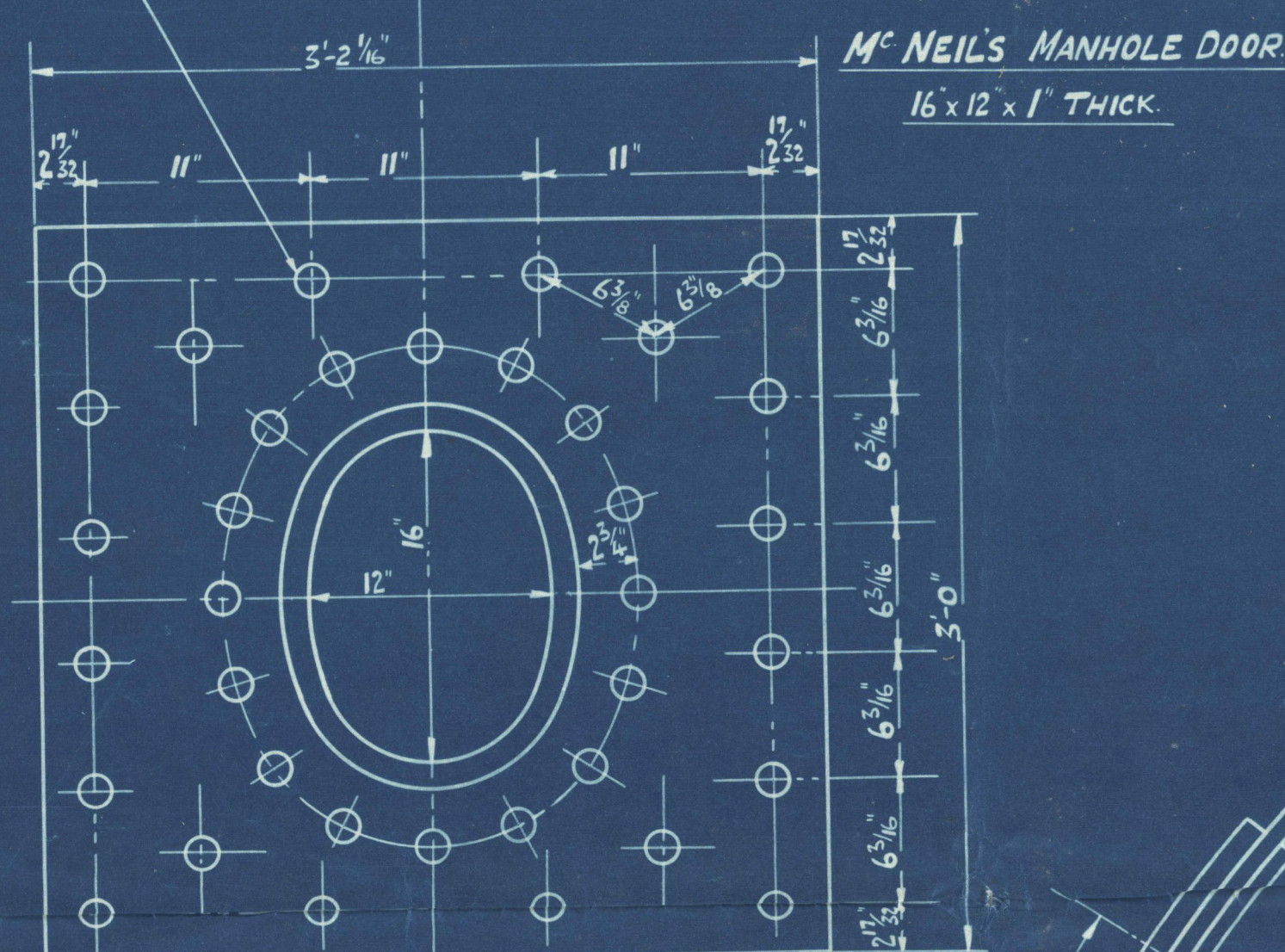
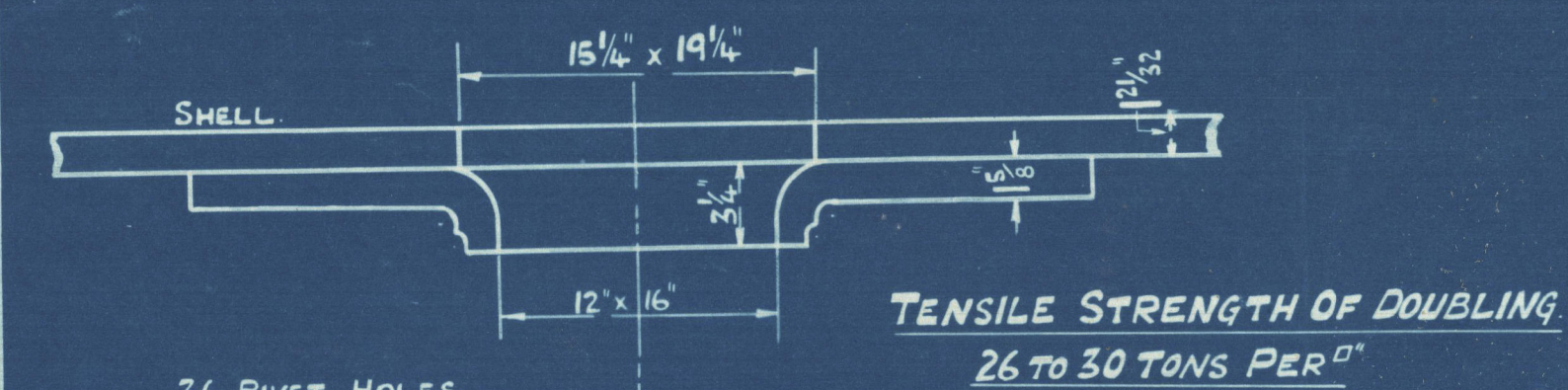


<u>HEATING SURFACE</u>		Sq. Ft.
428 TUBES 8'-0" <sup>27</sup> / <sub>32</sub> OVER TUBE PLATES 2 1/2" EXT DIA		2261
4 FURNACES 4'-0" INT- DIA		280
BACK TUBE PLATES		70
COMBUSTION CHAMBER BACKS		104
WRAPPER PLATES		315
TOTAL H.S. ONE BOILER		3050
FIVE BOILERS		15150

OIL FUEL ONLY. TODD SYSTEM.

STEAM SPACE FROM 9" ABOVE C.C. TOP . . . = 550 CUBIC FT  
WEIGHT OF COLD WATER TO 9" ABOVE C.C. TOP . . = 30 TONS  
DRAUGHT AREA THRO' TUBES . . . . . = 9.837 SQ. FT.



TENSILE STRENGTH OF SHELL PLATES & BUTTSTRAPS				= 31 TO 35 TONS PER SQ. INCH			
"	"	GIRDER PLATES		=	28 TO 32	"	"
"	"	ALL OTHER PLATES		=	26 TO 30	"	"
ALL RIVET HOLES DRILLED IN PLACE.							

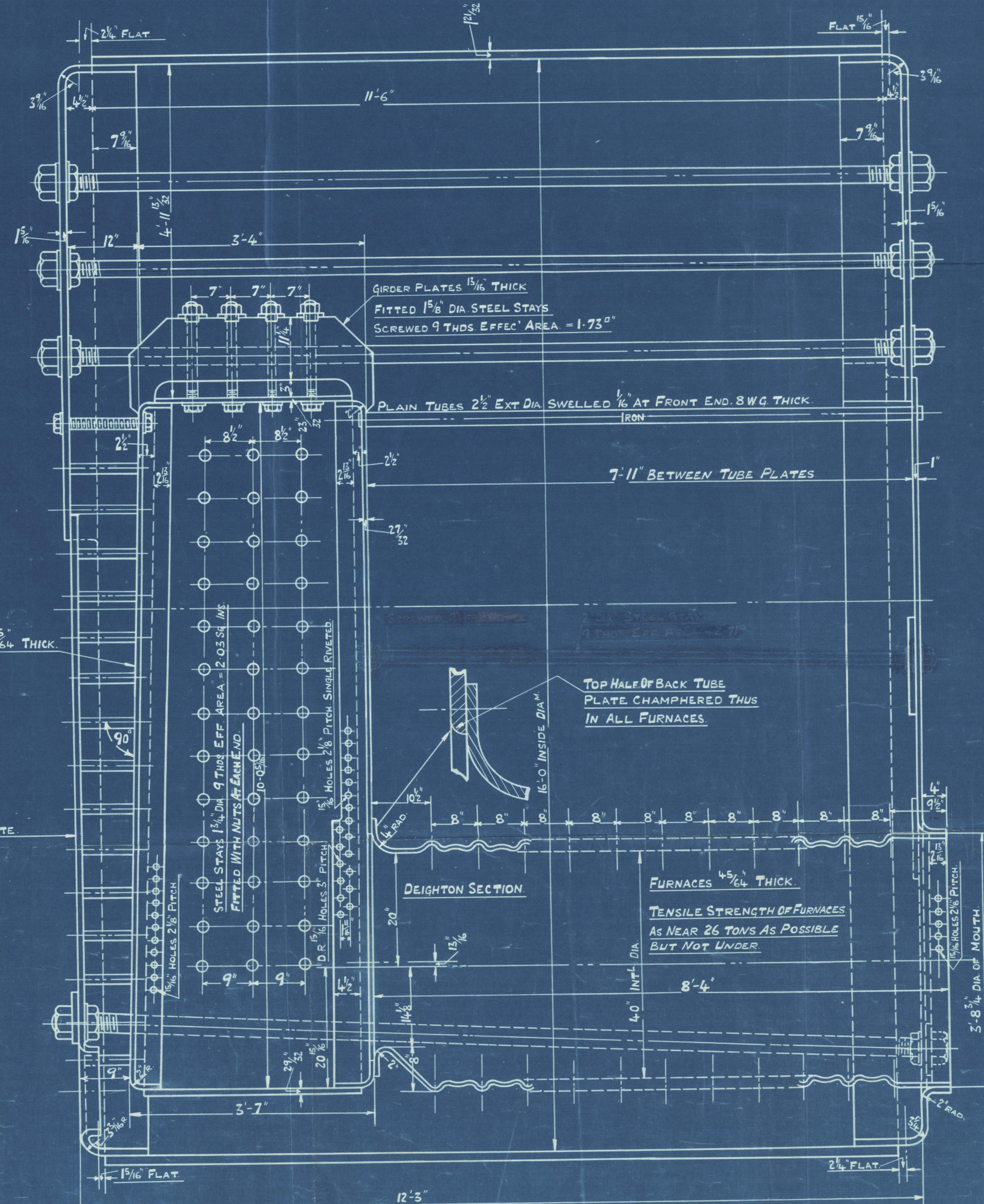
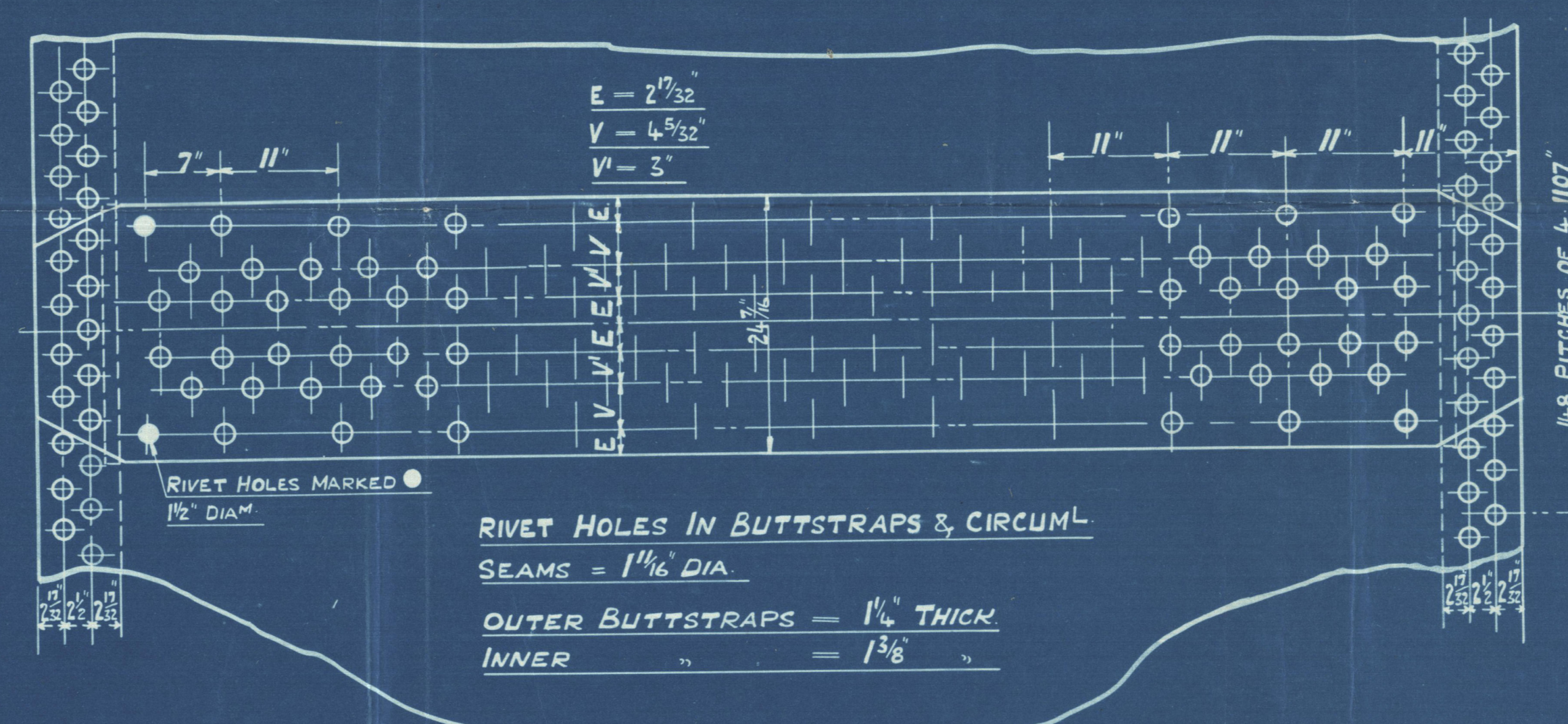
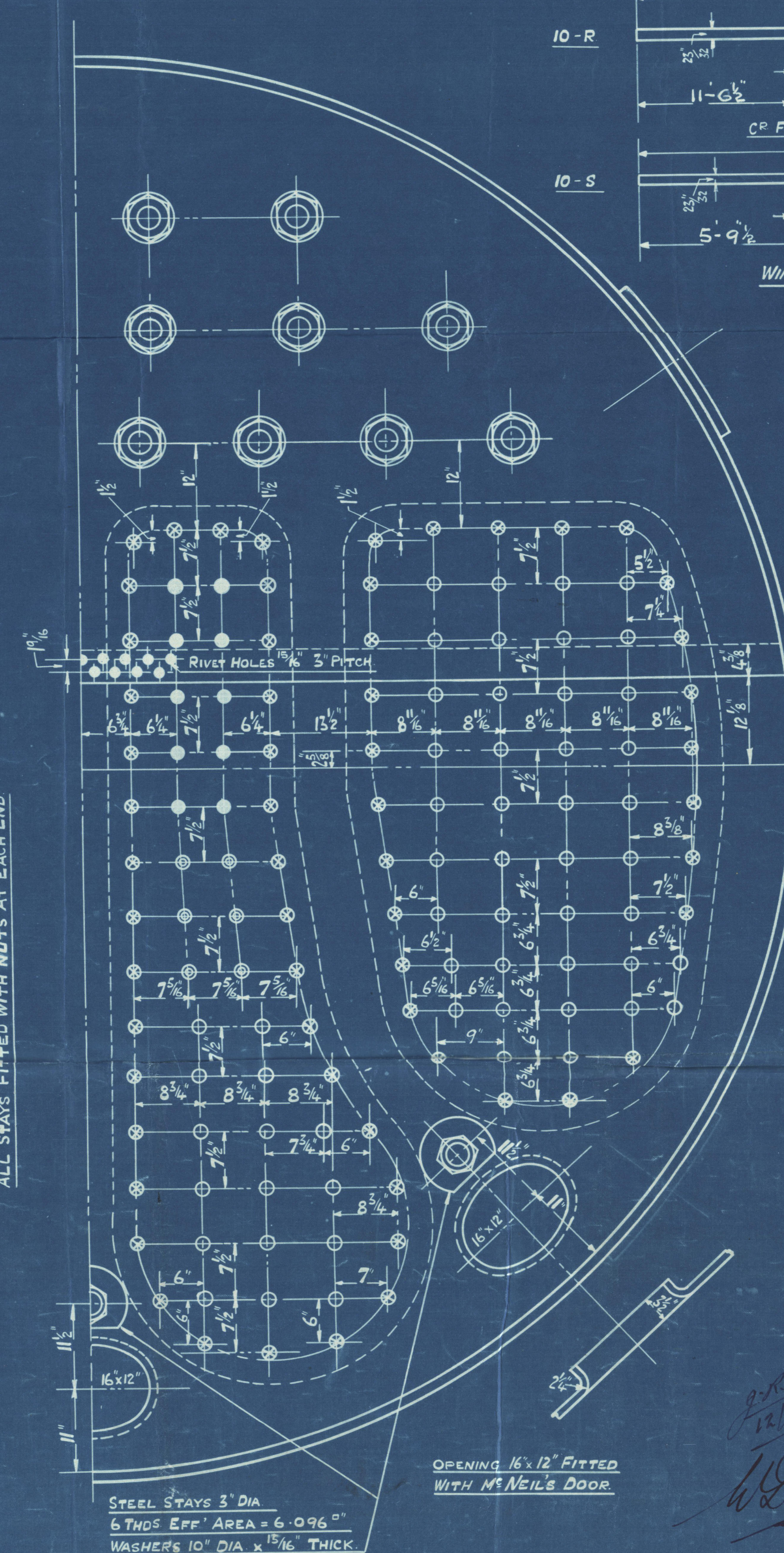
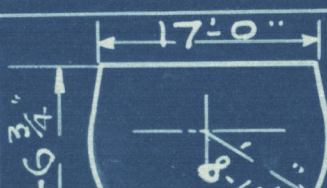
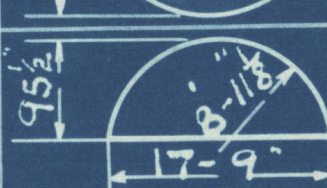
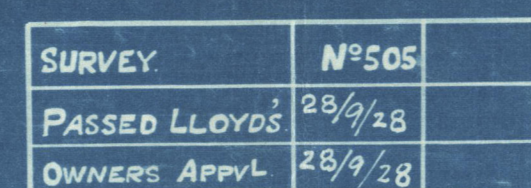
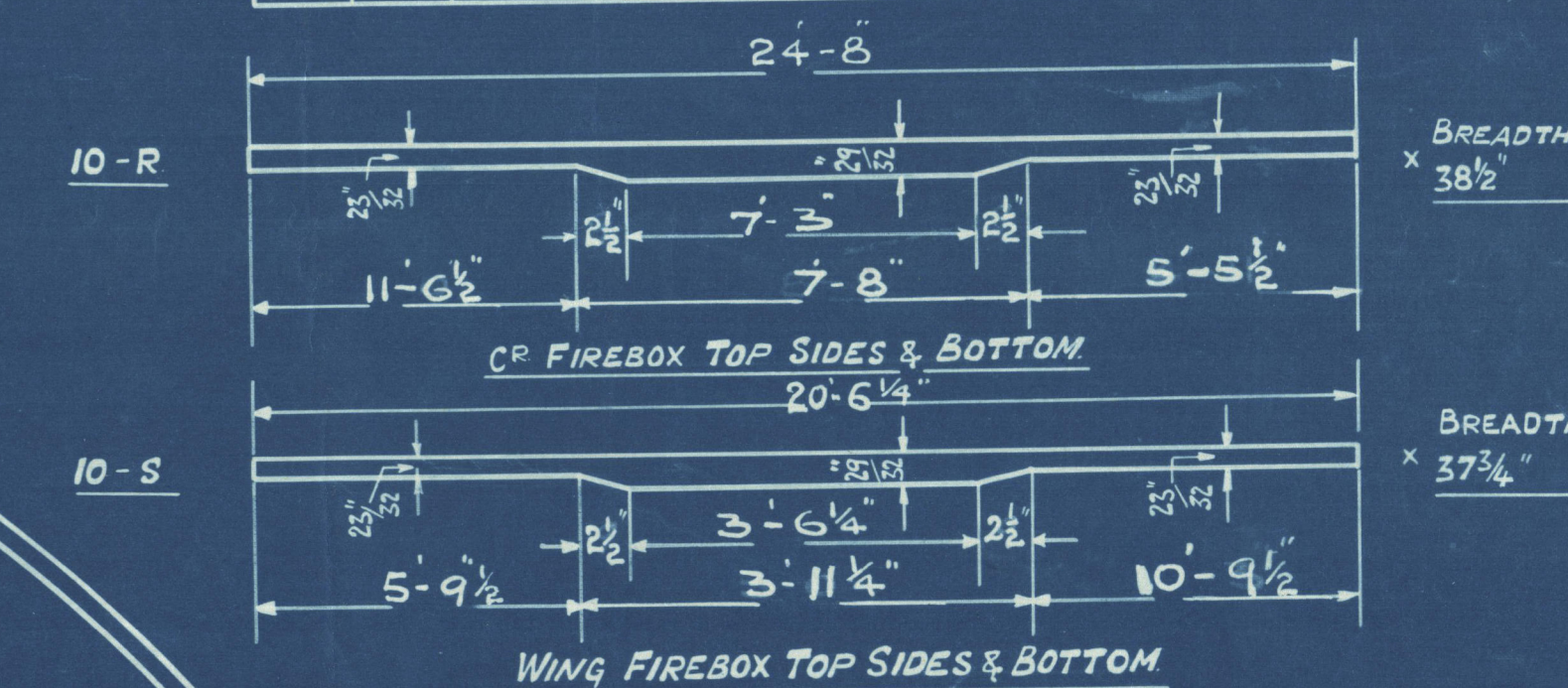
[illegible]

PLATE LIST					
NO.	SIZE	DESCRIPTION	LENGTH	BREADTH	TWO
5	A	SHELLS	35'-0"	13'-0"	13'
5	B	BUTTSTRAPS OUTER	11'-6 1/2"	25"	16'
10	D	" INNER	10'-6 1/2"	25"	13'
10	E	GIRDERS	13'-6"	42"	25'
5	K	C <sup>R</sup> BACK TUBE PLATES	10'-11"	93 1/2"	33'
10	L	WING " "	8'-1"	63 1/2"	27'
5	M	C <sup>R</sup> C C BACKS	10'-9"	88"	45'
10	N	WING " "	7'-11 1/2"	60"	4 1/2'
1	P	COMPENSATING PLATE	5'-3"	3'-9"	18'
5	F	TOP <sup>3</sup> FRONTS			16'
5	G	FURNACE FRONTS			17'
5	H	TOP BACKS.			17'
5	J	BOTT <sup>m</sup> BACKS			15'



FIVE BOILERS THUS

WORKING PRESSURE = 250 LBS PER SQ INCH

HYDRAULIC TEST " = 425 " " " "

BOILER TUBES LAP WELDED WROT. IRON. ALL OTHER MATERIAL STEEL

COST NO 32

# NO. 505.

## MAIN BOILERS

SCALE - 1" = 1' FOOT

Border plan

KOSMOS.

Bel 10213

W45-0185



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Foundation