

THICKNESS OF PLATES

SHELL OF BOILER	1 3/8"	STEEL
INNER BUTT STRAPS	1 1/2"	"
OUTER " "	1 1/2"	"
TOP FRONT AND BACK	1 3/8"	"
FRONT TUBE PLATE	3/8"	"
BOTTOM FRONT PLATE	1/4"	"
CENTRE AND BOTTOM BACK	1/4"	"
BACK TUBE PLATE	3/8"	"
FURNACES	1/2"	"
SIDES OF FIREBOXES	7/8"	"
BACK OF FIREBOXES	1/2"	"
BOTTOM OF " "	1/4"	"
DOUBLING ON FRONT TUBE PLATE	3/8"	"
DO ON CENTRE & BOT. BACK	1/4"	"
DO FOR MANHOLE ON TOP	1 3/8"	"
TOP OF FIREBOXES	1/2"	"

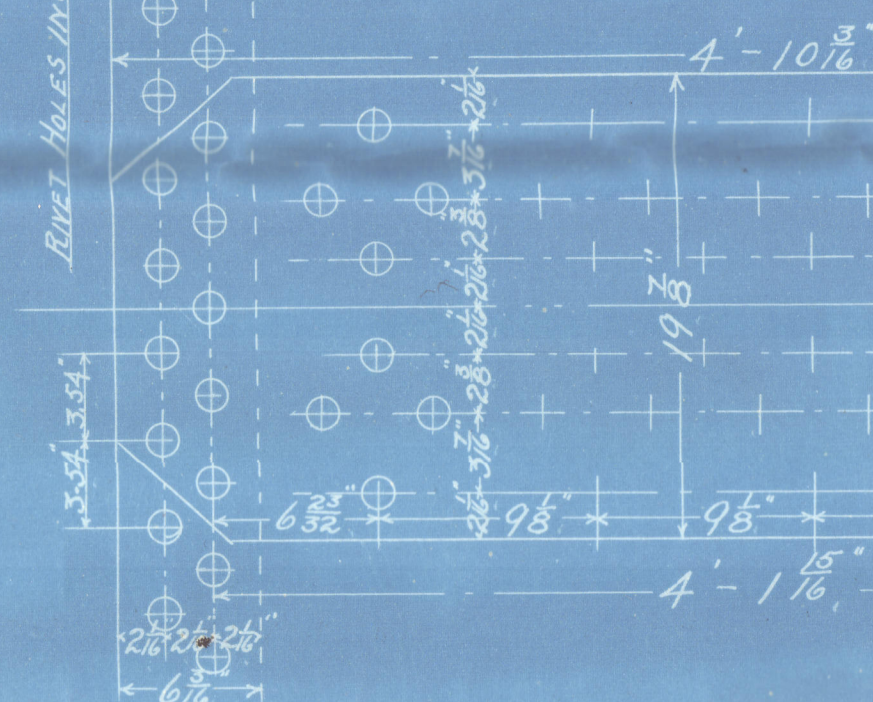
HEATING SURFACE

316 TUBES 3 1/4" EXT. DIA. x 7'-6" LONG	2014 #	4028 #
COMBUSTION CHAMBERS	177 #	354 #
FURNACES	134 #	309 #
TOTAL	2345 #	4691 #
GRATE SURFACE	70.5 #	141 #

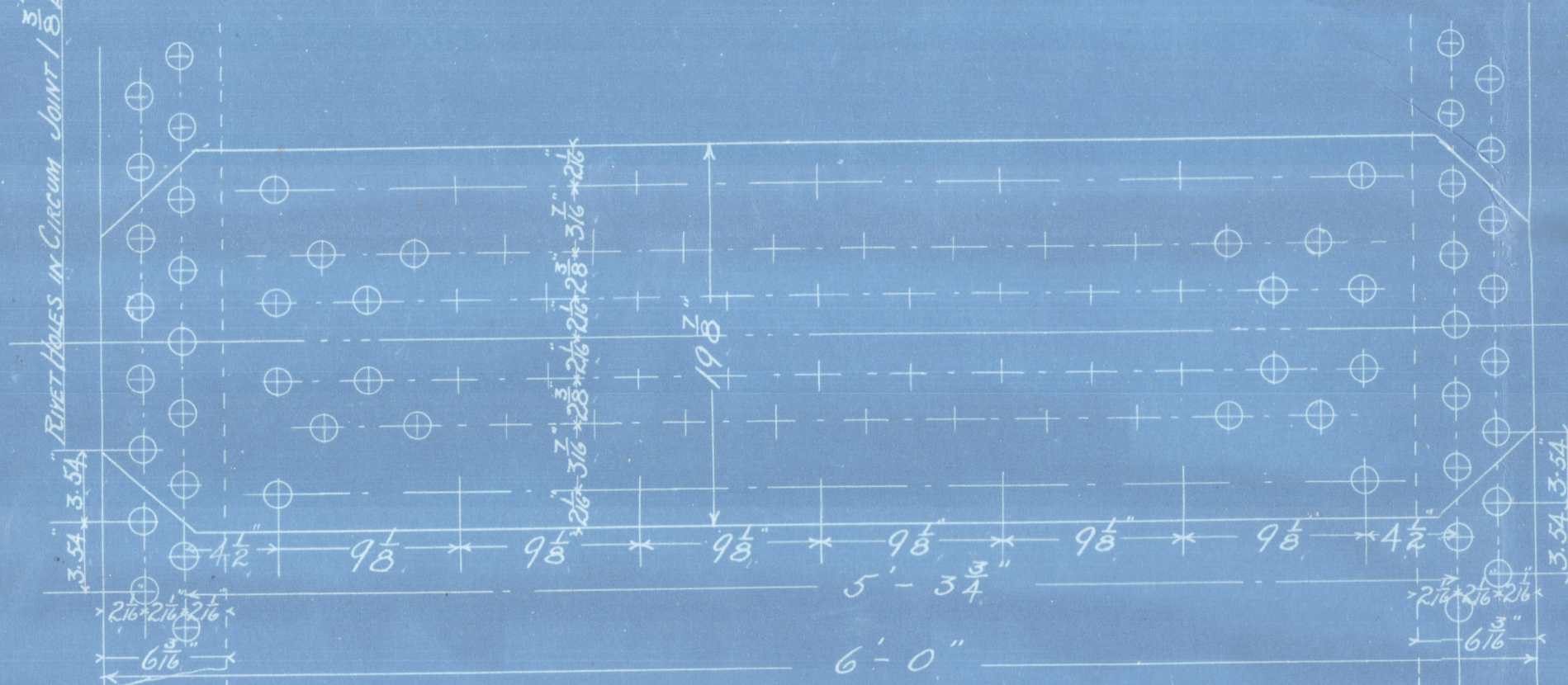
ONE BOILER TWO BOILERS

24.9.98

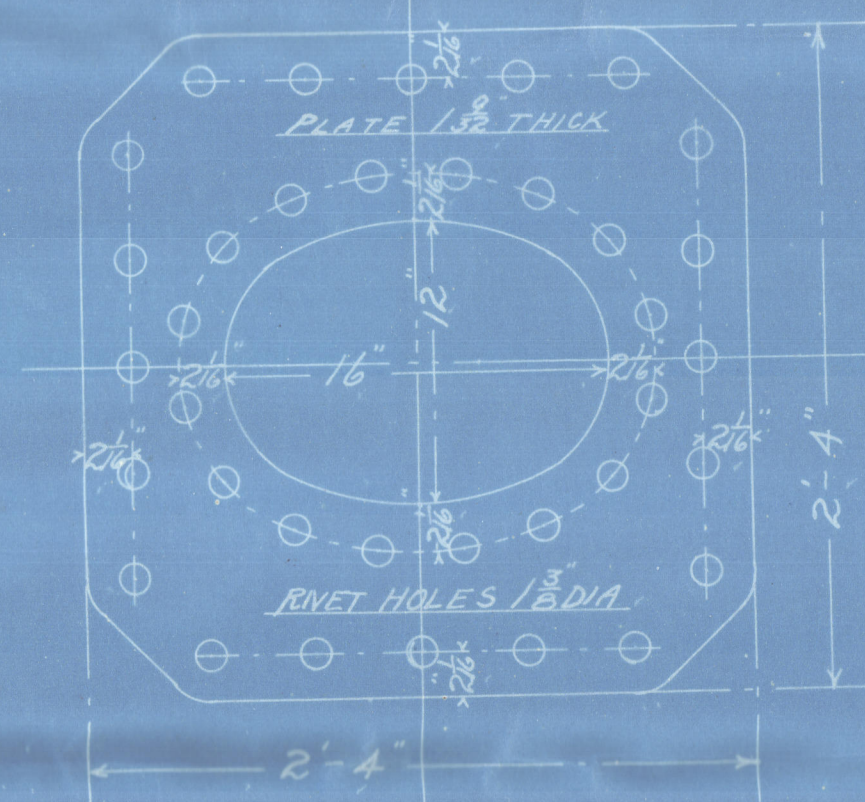
Rivet Holes in Circum. diam. 1 3/8" dia.



Rivet Holes in Circum. diam. 1 3/8" dia.

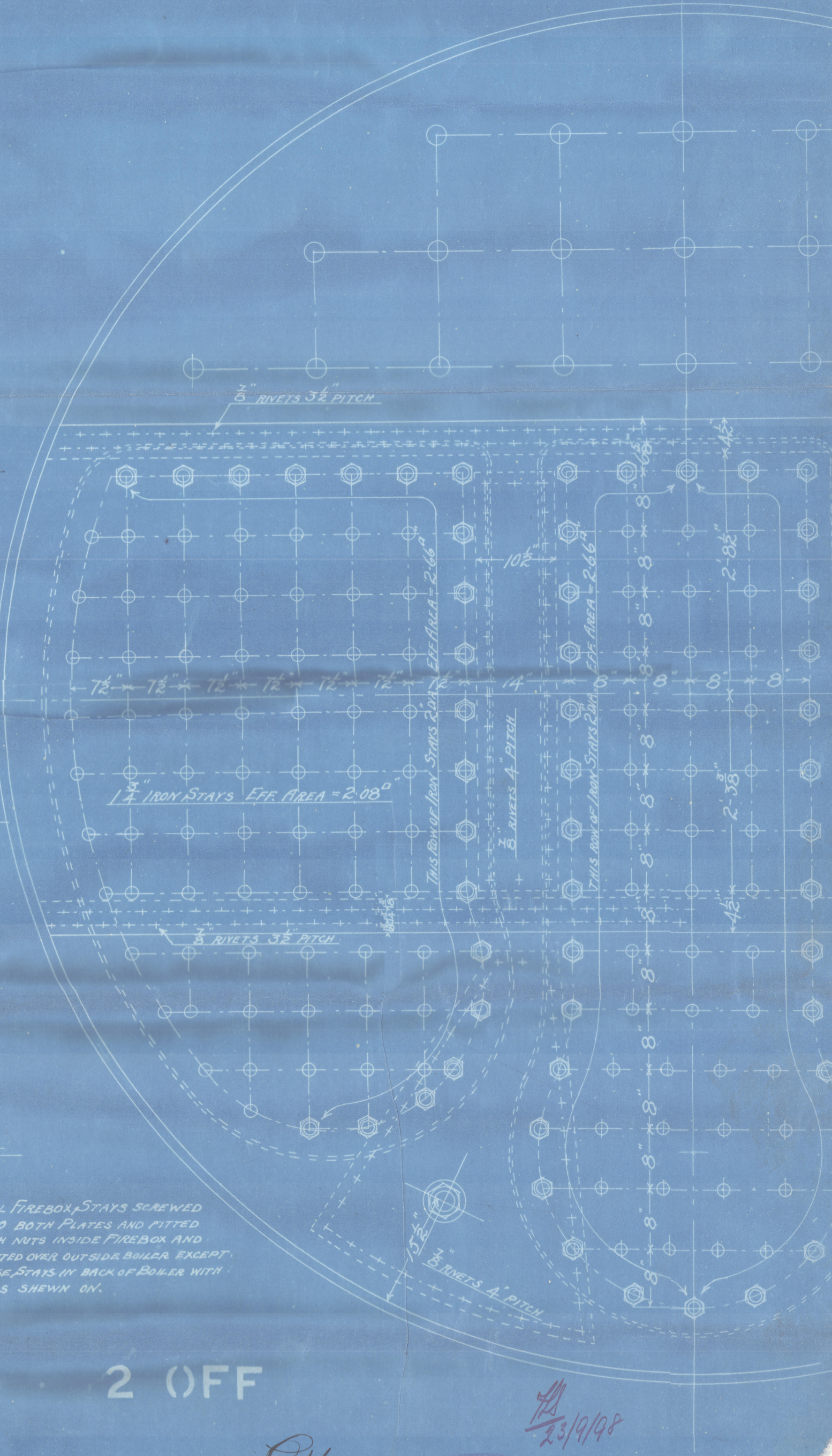
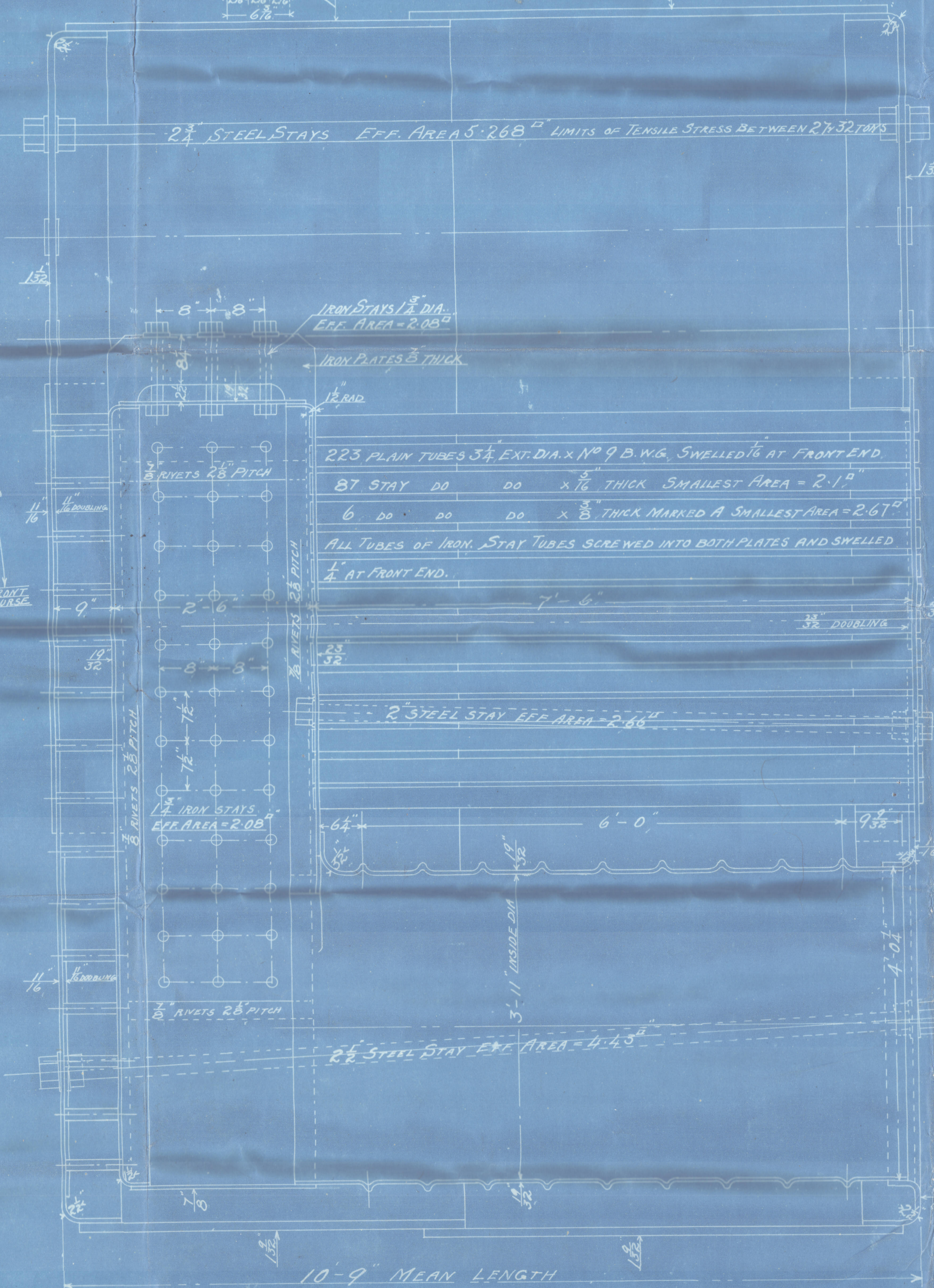
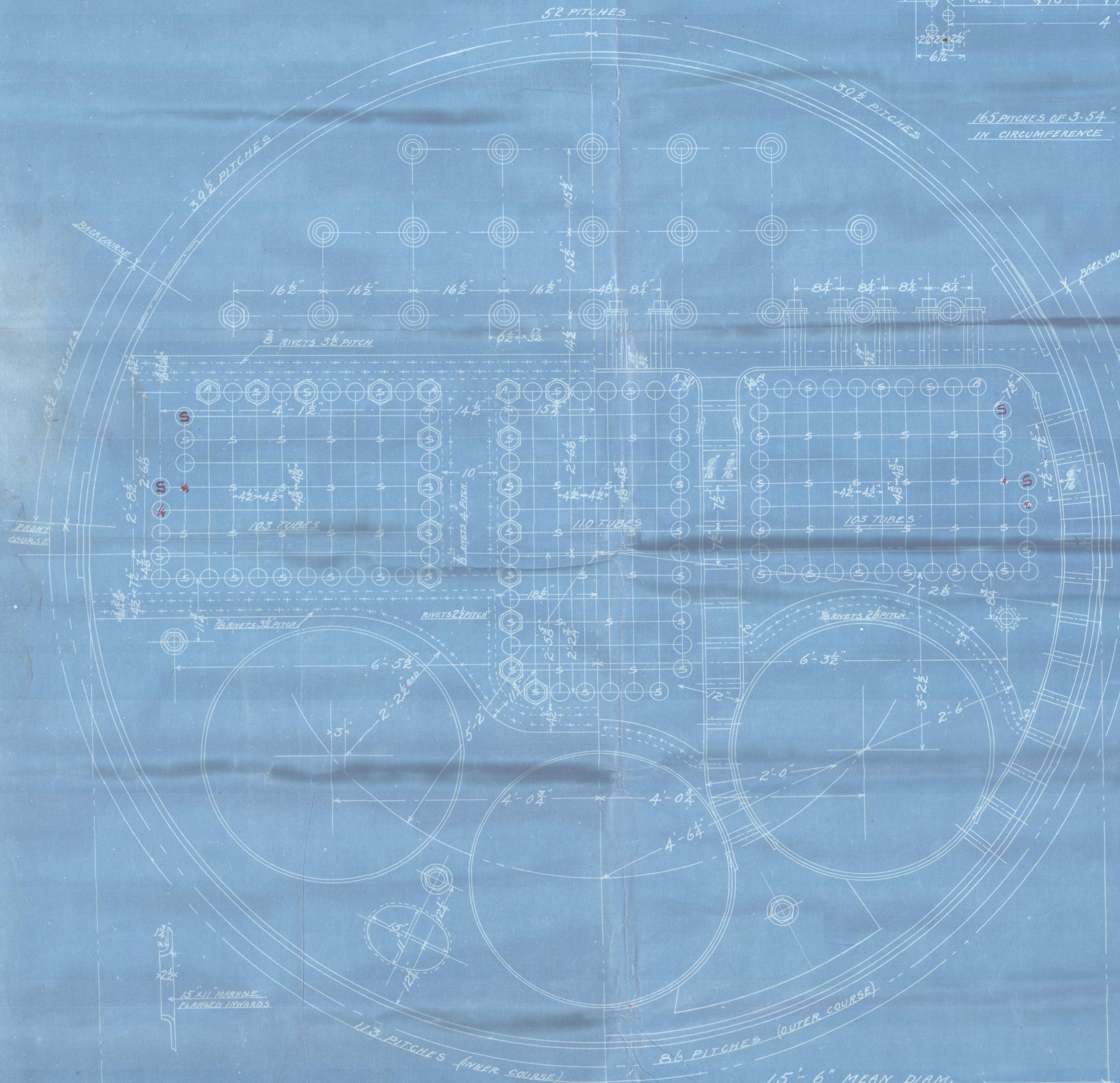


Rivet Holes in Circum. diam. 1 3/8" dia.



DOUBLING PLATE FOR MANHOLE ON TOP

SHELL PLATES 1 3/8" THICK - RIVET HOLES 1 3/8" DIA. TO BE DRILLED IN PLACE.
INNER BUTT STRAPS 1 1/2" THICK - ALL PLATES & RIVETS OF STEEL.
OUTER " " 1 1/2" THICK.
PERCENTAGE OF PLATE SECTION 84.93. PERCENTAGE OF RIVET SECTION 94.3.
SHELL PLATES TO HAVE LIMITS OF TENSILE STRESS BETWEEN 28 & 32 TONS.



STARB² BOILER

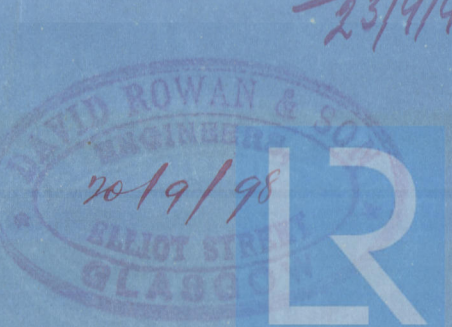
WORKING PRESSURE 180 LBS

MAIN BOILERS NO 319

SCALE 1" = 1 FOOT

2 OFF

22/9/98



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No 319.

S S Claverdon
&
London.
bk 12553.

~~Slack No. 1739~~

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