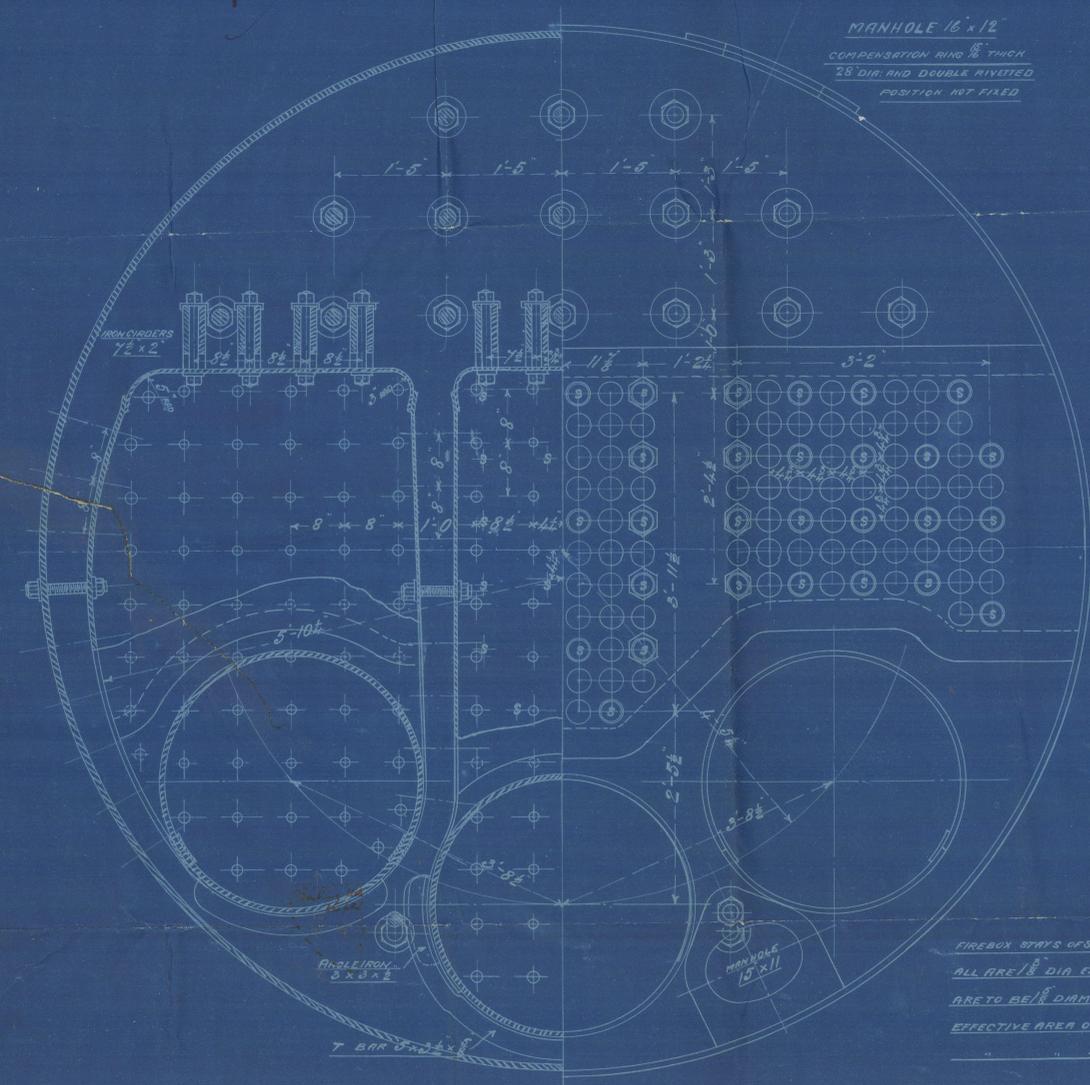
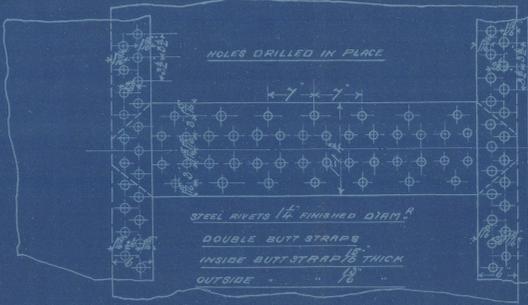
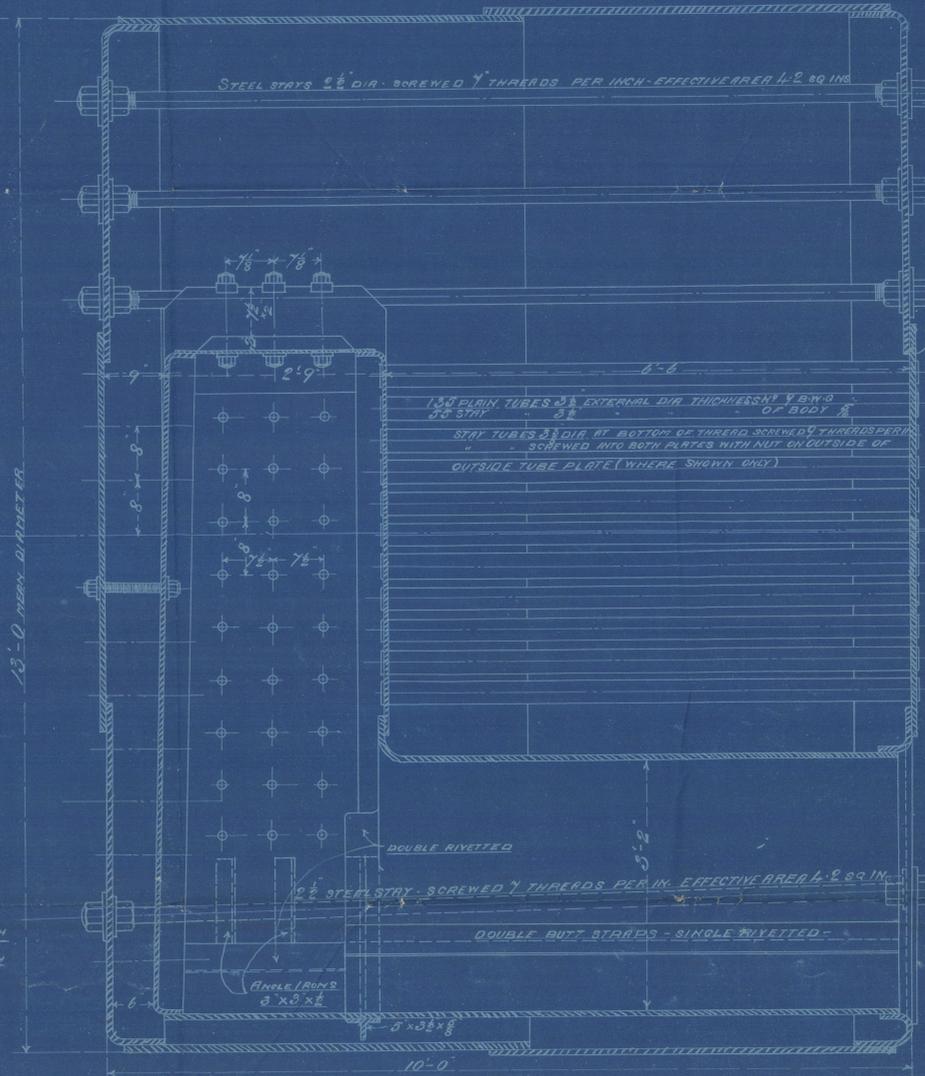


16'-0" DIA.
10'-0" LENGTH



MANHOLE 16" x 12"
COMPENSATION RING 1/8" THICK
2 1/2" DIA. AND DOUBLE RIVETTED
POSITION NOT FIXED

FIREBOX STAYS OF STEEL SCREWED 10 THREADS PER INCH
ALL ARE 1/2" DIA EXCEPT BACK MARGINAL ROWS WHICH
ARE TO BE 3/8" DIA.
EFFECTIVE AREA OF 1/2" STAY = 1.22 SQUARE INCHES.
3/8" = .44



THICKNESS OF PLATING	
CIRCUMFERENTIAL SHELL STEEL	1/8" THICK
STAYS FOR D°	INSIDE 1/8" OUTSIDE 1/16"
END UPPER PLATES	7/8"
BACK LOWER	1/8"
FRONT	1/8"
TUBE	7/8"
INNER	1/2"
FIREBOX BACKS	1/8"
SIDES	1/16"
TOPS	1/16"
GIRDERS - IRON TWO	1/2"
FURNACES	STEEL 1/8"
SURFACES	
TUBES 1900 6'-6"	1131.6 SQ. FT.
FURNACES	109.6 "
FIREBOXES	182.6 "
INNER TUBE PLATE	33 "
TOTAL 1456.8 SQ. FT.	
GRATE SURFACE 50 BARS - 475 SQ. FT.	

WORKING PRESSURE	LLOYD'S
PLATE SECTION	7.125 = 82.1%
RIJET	3.12211704 x 85 = 83.4%
CIRCUMFERENTIAL SHELL	216 (16.5) 85 = 140.6 LBS
END UPPER PLATES	185 x 14.2 = 14.1
STAYS	17 x 16 = 14.8
OUTER TUBE PLATE	150 x 16 = 14.4
STAY TUBES	(8.94 - 7.00) 7500 = 140.9
COMBUSTION CHAMBER TOPS	120 x 8.5 = 14.4
SIDES	120 x 8.5 = 14.4
BACKS	120 x 8.5 = 14.4
STAYS (ORDINARY)	120 x 8.5 = 14.4
(MARGINAL)	120 x 8.5 = 14.4
GIRDER	120 x 8.5 = 14.4
TOP	120 x 8.5 = 14.4
FURNACES	120 x 8.5 = 14.4
COMPRESSION	120 x 8.5 = 14.4

BOILER N° 3-98 S. S. "CLENCELDER"

SCALE 1 INCH TO ONE FOOT

DIAMETER - 13'-0" LENGTH - 10'-0" WORKING PRESSURE 140 LBS PER SQ IN



16-98



Main Boiler
for the
S.S. Glen Gelderⁿ
Hall Russell
No $\frac{3}{98}$
Wⁿ Report no 6016



© 2021

Lloyd's Register
Foundation