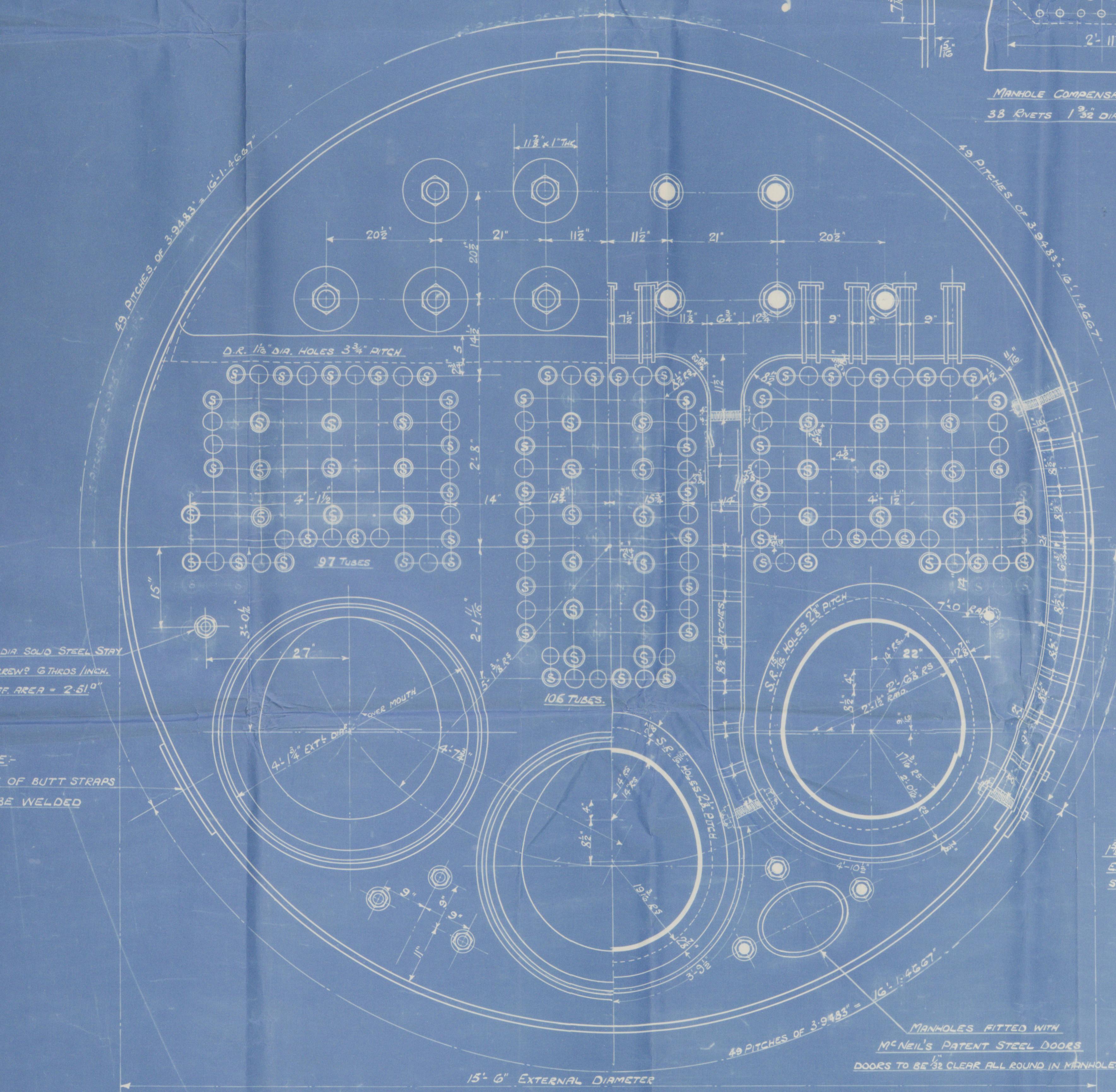


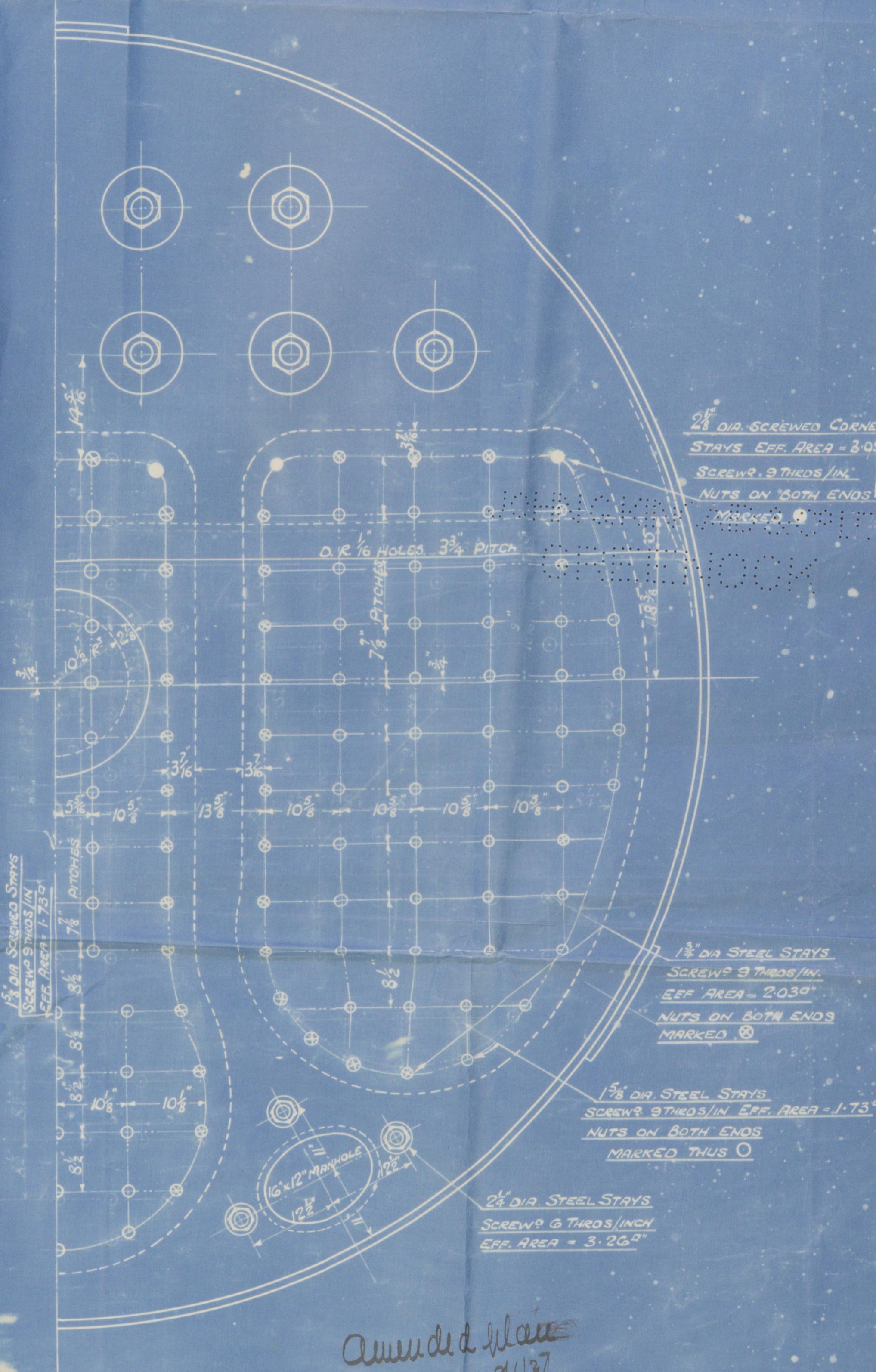
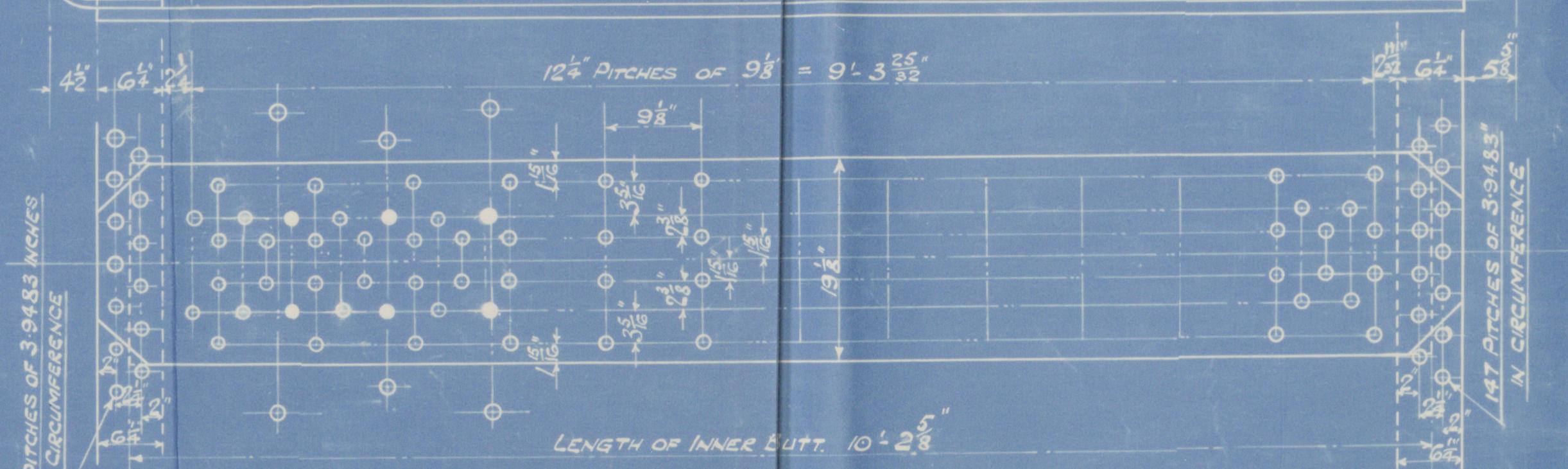
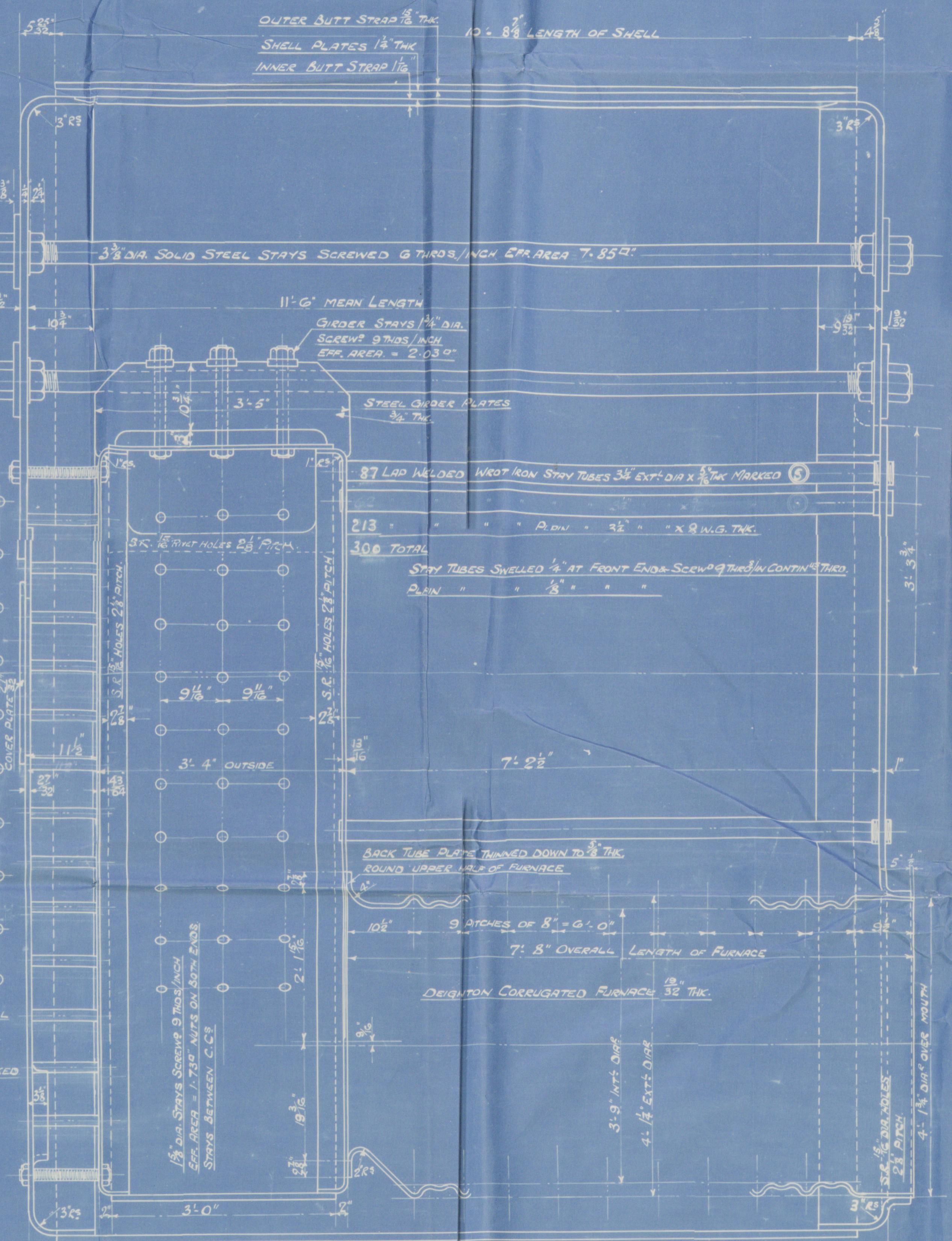
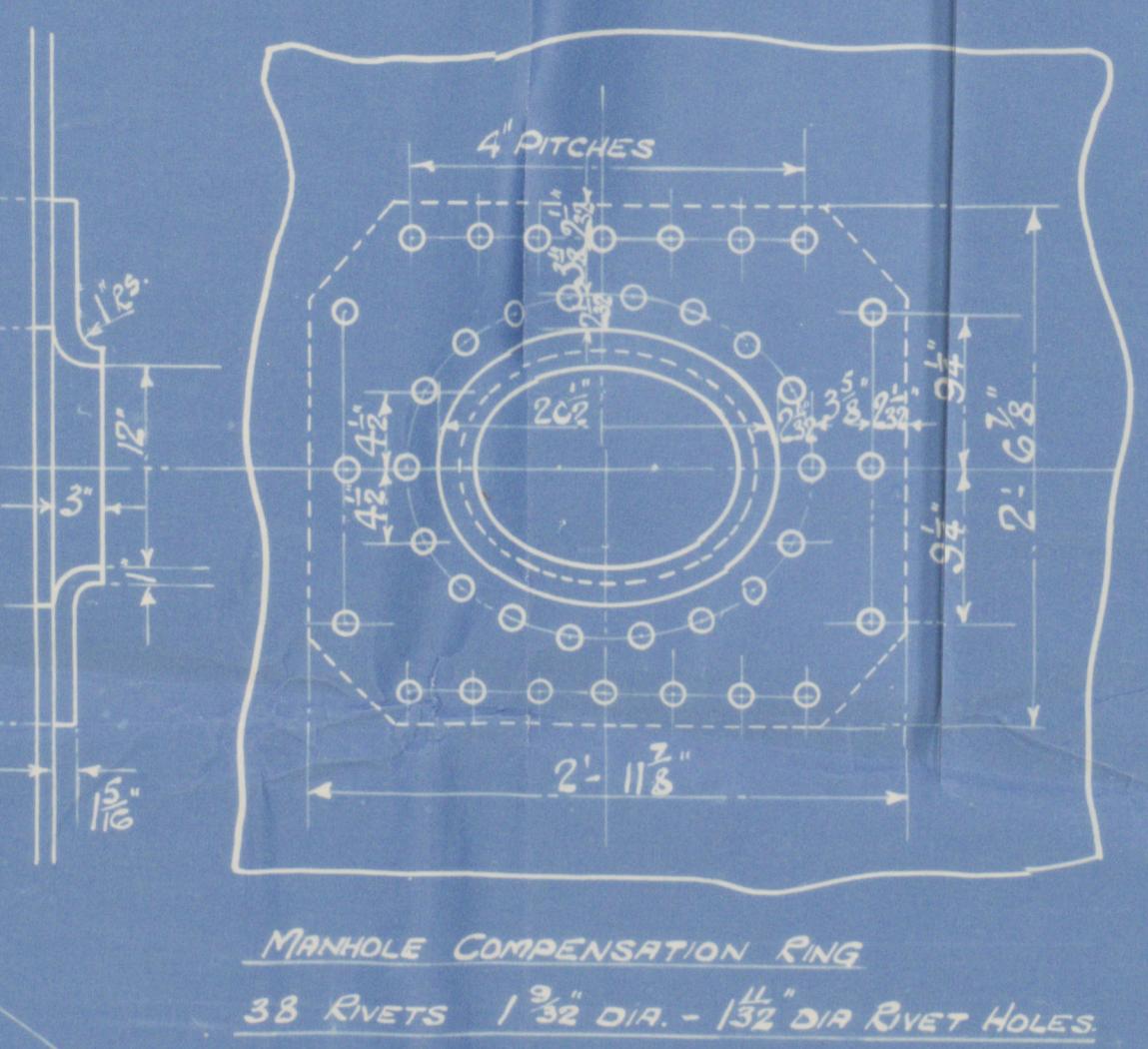
JOHN G. KINCAID & CO.  
LIMITED  
ENGINEERS  
GREENOCK.



ALL PLATES, STAYS & RIVETS OF SIEMENS MARTIN MILD STEEL  
TUBES LAP WELDED WROUGHT IRON  
LONGT. JOINT - DOUBLE BUTT STRAP TREBLE RIVETED  
CIRCUM. " RIVETED LAP  
WORKING PRESSURE - 180 LBS/IN<sup>2</sup>  
TEST - 320 "  
ALL RIVET HOLES TO BE DRILLED AFTER PLATES ARE BENT,  
THEN PLATES TAKEN APART & BURRS REMOVED.  
RIVETING TO BE DONE BY HYDRAULIC PRESSURE WHERE PRACTICABLE

	THICKNESS	TENSILE LIMITS
SHELL PLATES	1/4"	28 - 32 TONS/IN <sup>2</sup>
INNER BUTT STRAPS	1/8"	" "
OUTER "	1/8"	" "
GROOVED PLATES	3/4"	" "
TOP END PLATES	1/2"	26 - 30 "
FRONT BOTTOM ENDS	1"	" "
BACK "	1/2"	" "
BACK TUBE PLATES	1/8"	" "
C.C. BACKS	1/8"	" "
WRAPPERS	1/16", 1/8", 1/16"	" "
FURNACES	1/8"	" "
MANHOLE COMP. RING	1/8"	" "
LONGITUDINAL STAYS	28 - 32 "	" "
C.C. STAYS	26 - 30 "	" "

BOILERS COAL FIRED - NATURAL DRAUGHT



Amended plan  
Mon 28/6/27

BOILERS.  
ENC. NO 642.

JOHN G. KINCAID & CO. LTD.  
(DRAWING OFFICE)  
7 JULY 1927  
ENGINEERS & BUILDERS

3 OFF THUS.  
15' 6" EXT. DIRE X 11' 6" MEAN LENGTH X 180 LBS/IN<sup>2</sup> W.P.  
TO PASS LLOYD'S TESTS & REQUIREMENTS.  
SCALE: 1'-0FOOT.  
30 MAY 1927.

SIZE OF RIVET	SIZE OF RIVET HOLE	PITCH	PLATE %	RIVET %	W.P. OF SHELL BY RULE
LONGITUDINAL SEAM	1 3/8"	1 3/8"	9 3/8"	85.9	87.1
CIRCUMFERENTIAL	1/8"	1/8"	3-9/16"	66.7	46.1

Kincard 642 Main Boiler  
S.S. "Antigone"  
Sikapl. № 1888  
(Els. iat 47845)

Amended plan

W232 - 0030



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