

TENSILE LIMITS OF MATERIAL

DESCRIPTION	MATERIAL	TENSILE LIMITS
SHELL PLATES, BUTT STRAPS, MANHOLE PLATE	S.M. MILD STEEL	29 TO 33 TONS
GIRDER PLATES	" " " "	29 TO 33 TONS
ALL OTHER PLATES	" " " "	26 TO 30 TONS
MAIN STAY BARS	" " " "	28 TO 32 TONS
SCREWED STAY BARS	" " " "	26 TO 30 TONS
RIVET BARS	" " " "	26 TO 30 TONS
SMOKE TUBES	IRON.	

STEEL BOILER

12'-6" INTERNAL DIAMETER x 10'-0" INSIDE LENGTH

180 LBS/SQ. IN. WORKING PRESSURE. 320 LBS. TEST PRESSURE.

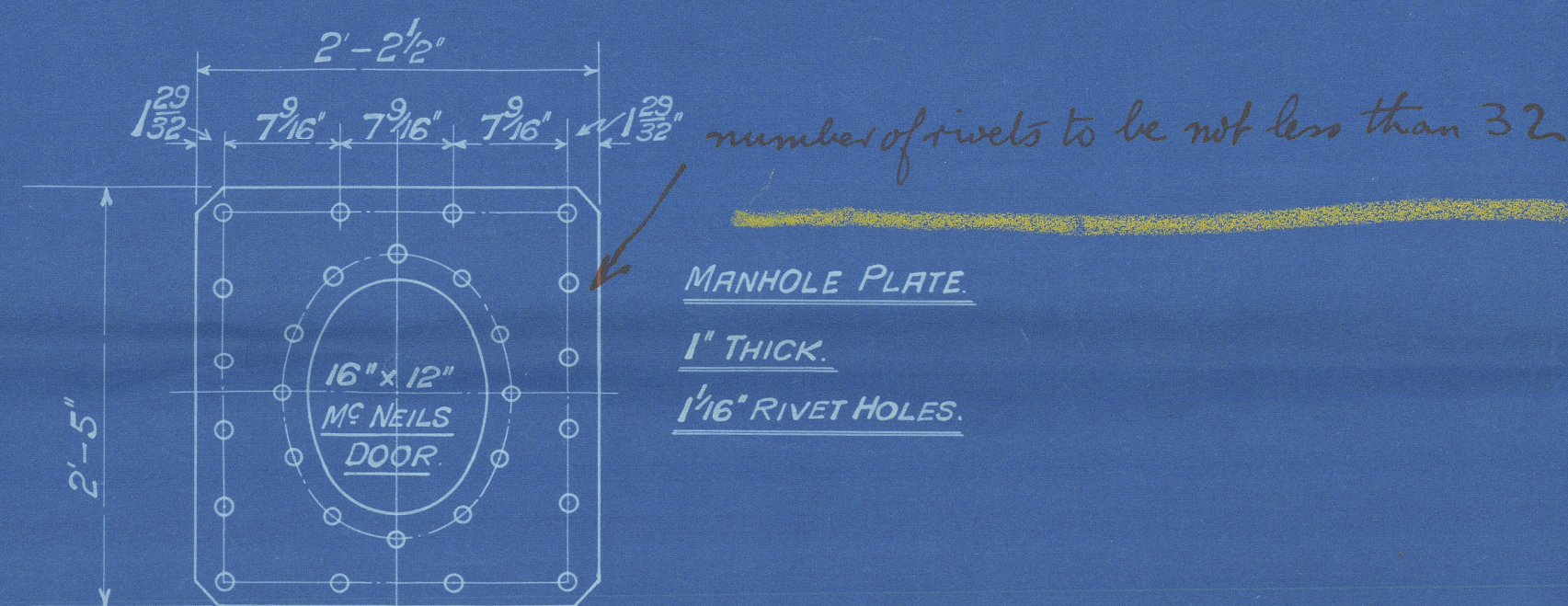
TO PASS LLOYDS SURVEY

APPROVED

2-OFF THIS.

SCALE 1" = 1 FOOT.

6008.
J.A.T. 13/4/1929
J.H.P. 13/4/1929
J.A.T. 23/4/1929
14 1/2" 30" diam. 29"

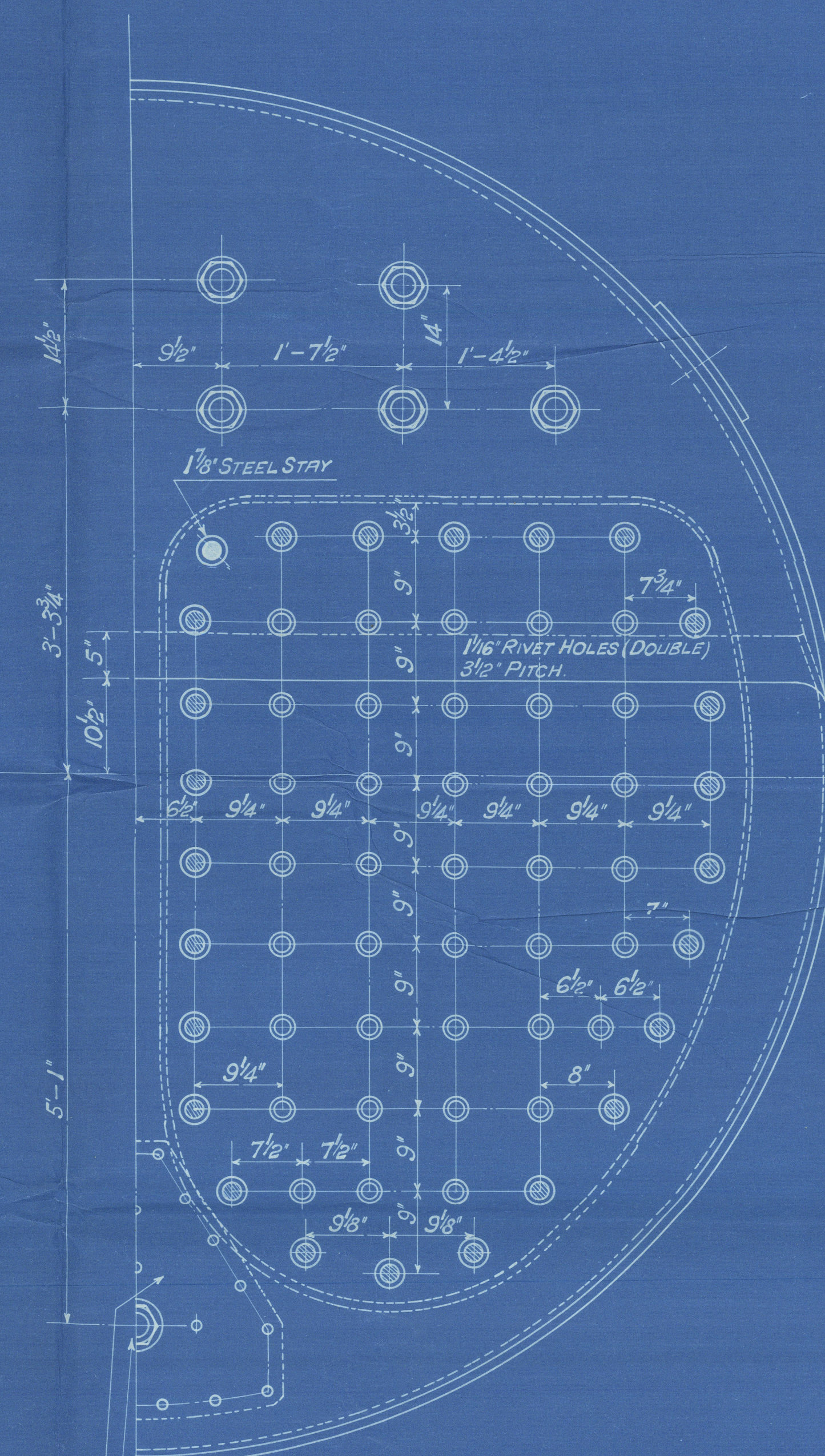
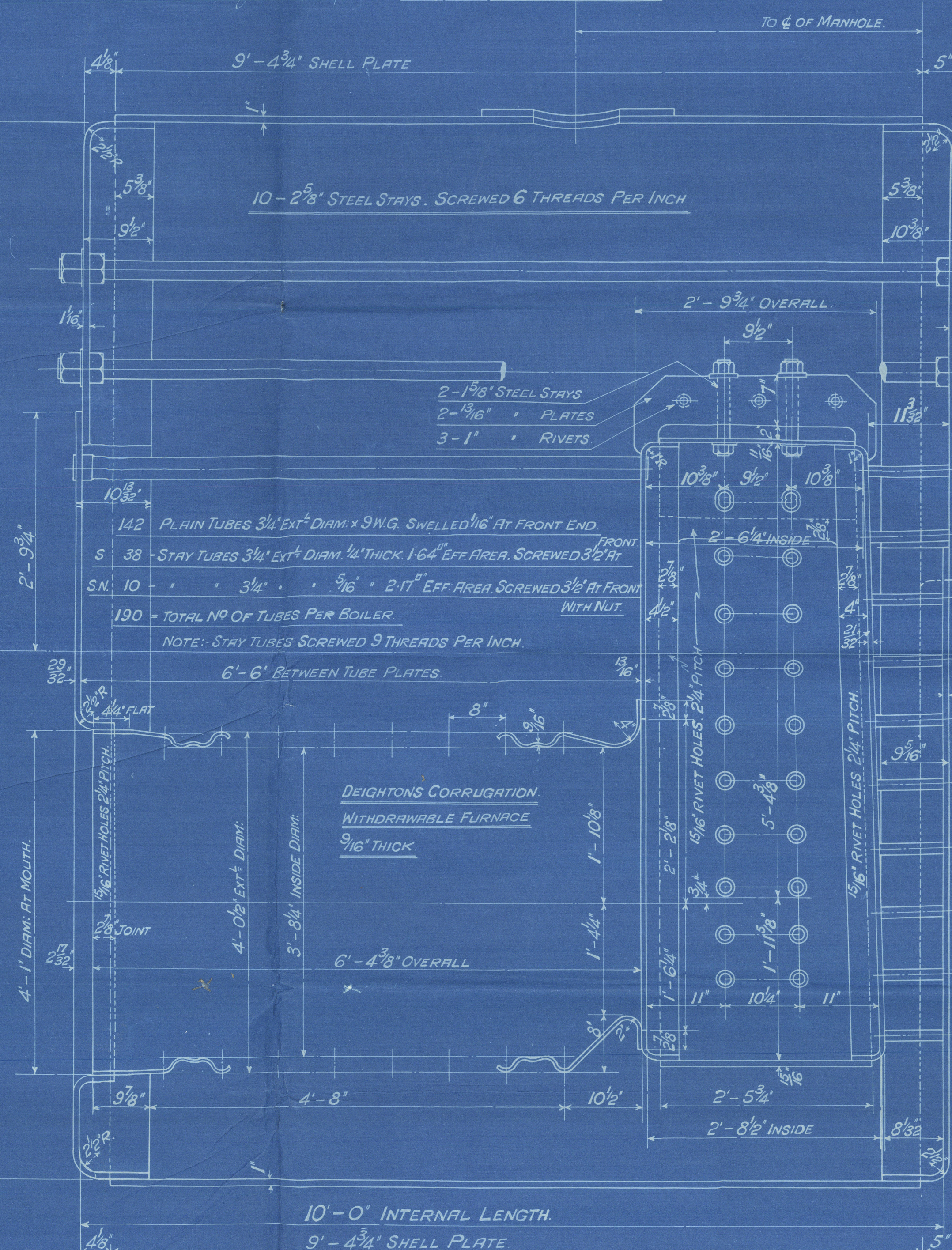
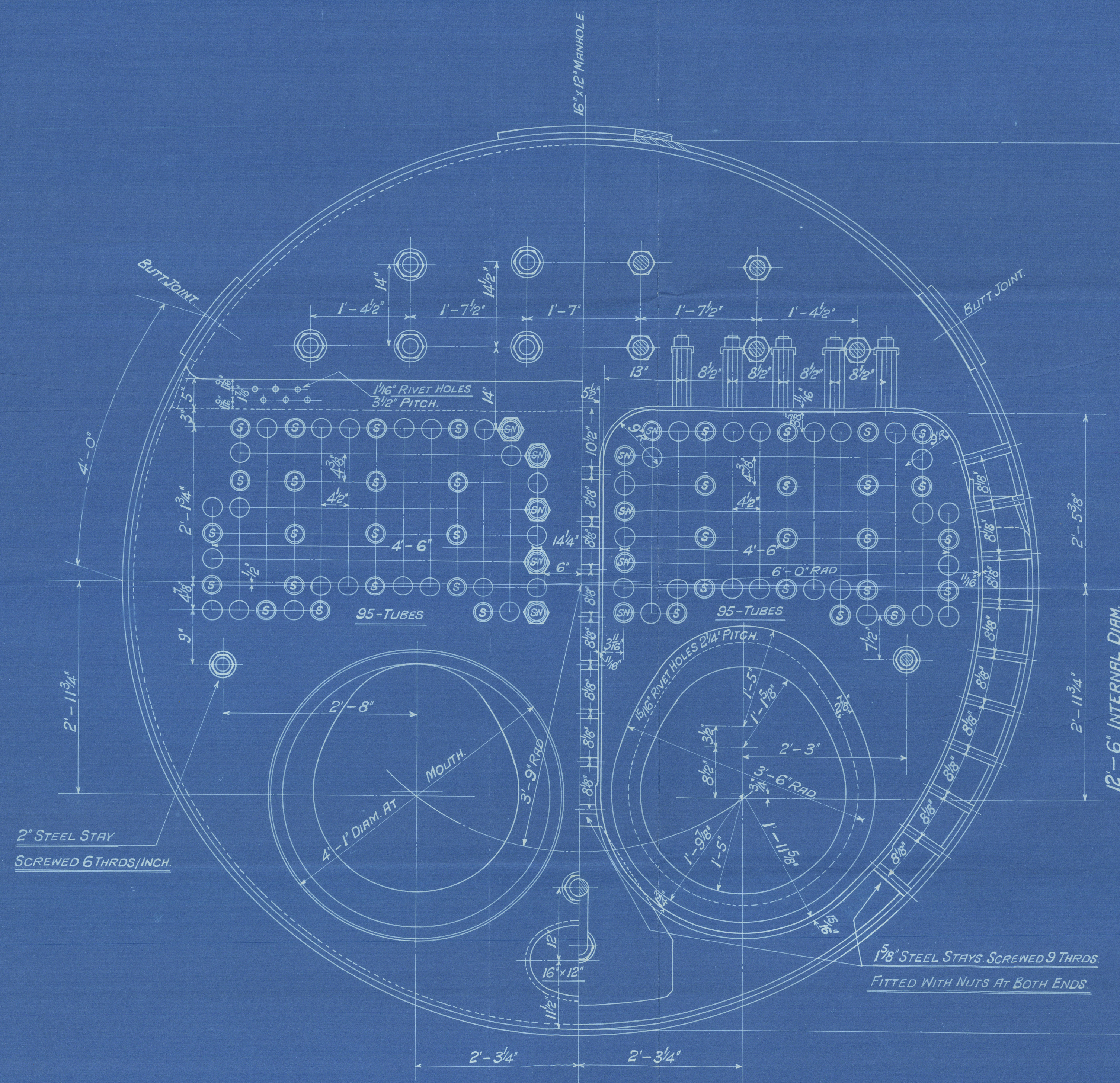


DRAWING NO 6008

HEATING SURFACES

	ONE BOILER	TWO BOILERS
TUBES	1051	2102
FURNACES	91.03	182.06
FRONT TUBE PLATE	20.73	41.46
INSIDE TUBE PLATES	32.87	65.74
COMBUSTION CHAMBERS	137.5	275.0
TOTAL	1333.13	2666.26

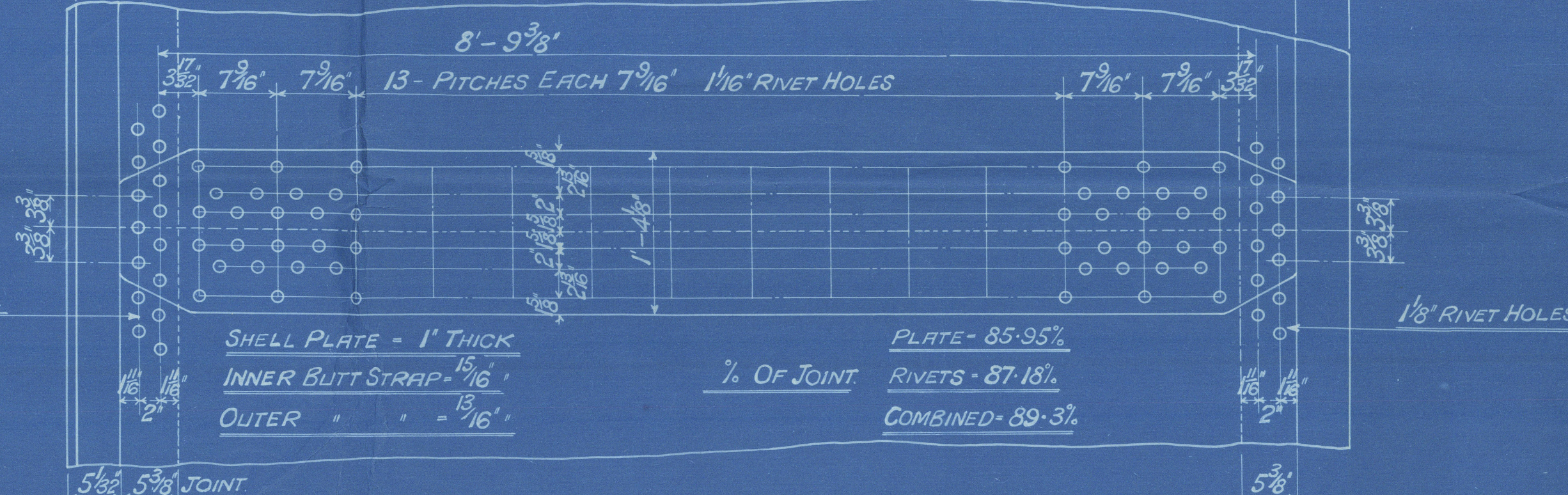
GRATE SURFACE. 5'-6" BARS IN ONE LENGTH - 40.56' 81.12'
RATIO $\frac{H.S.}{G.S.} = 32.8/1$



NOTE: END SEAM RIVETING 10% CLOSER PITCH THAN LLOYDS REQUIREMENTS.

NOTE: INNER BUTT STRAPS TO BE SCARFED TO 1/2 OF INNER ROW OF RIVETS OF CIRCUMFERENTIAL SEAMS.

1 1/8" RIVET HOLES



DETAIL OF LONGITUDINAL JOINT



SECTION THRO: BOT. MANHOLE.
16" x 12" M.C. NEILS DOOR.

COMB. CHAMBER BACK STAYS

2 1/8" STEEL STAY, SCREWED 6 T.P.I.

1 1/8" DOUBLING PLATE RIVETED

TO LOWER BACK PLATE WITH 1/8" RIVETS.

1 1/8" STEEL STAYS MARKED THUS

SCREWED 9 THREADS PER INCH

FITTED WITH NUTS AT BOTH ENDS.

1 1/8" MARGIN STAYS MARKED THUS

SCREWED 9 THREADS PER INCH

FITTED WITH NUT AT EACH END

CONTRACT NO 367

SUNDERLAND

MACCOLL & POLLOCK, LTD.

CON. No. 367.

BOILERS

No. 4060
LLOYD'S TEST
320 lbs.
WP. 180 lbs.
MC. 26.9.24.

$\frac{1}{2}$ s. "Solme Force"

SUNDERLAND RPT. NO. 30246



© 2020

Lloyd's Register
Foundation

W984-0351