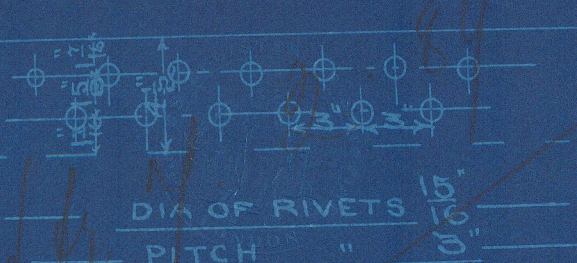
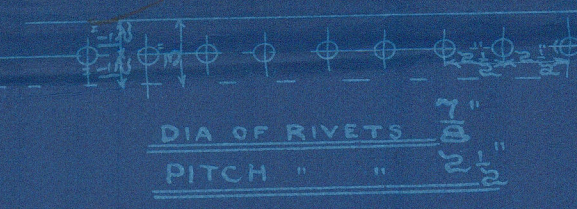


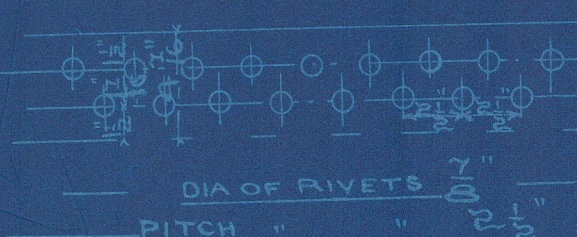
RIVETING FOR
BACK AND FRONT OF BOILER



RIVETING FOR FURNACE MOUTH & COM. CHAMBER



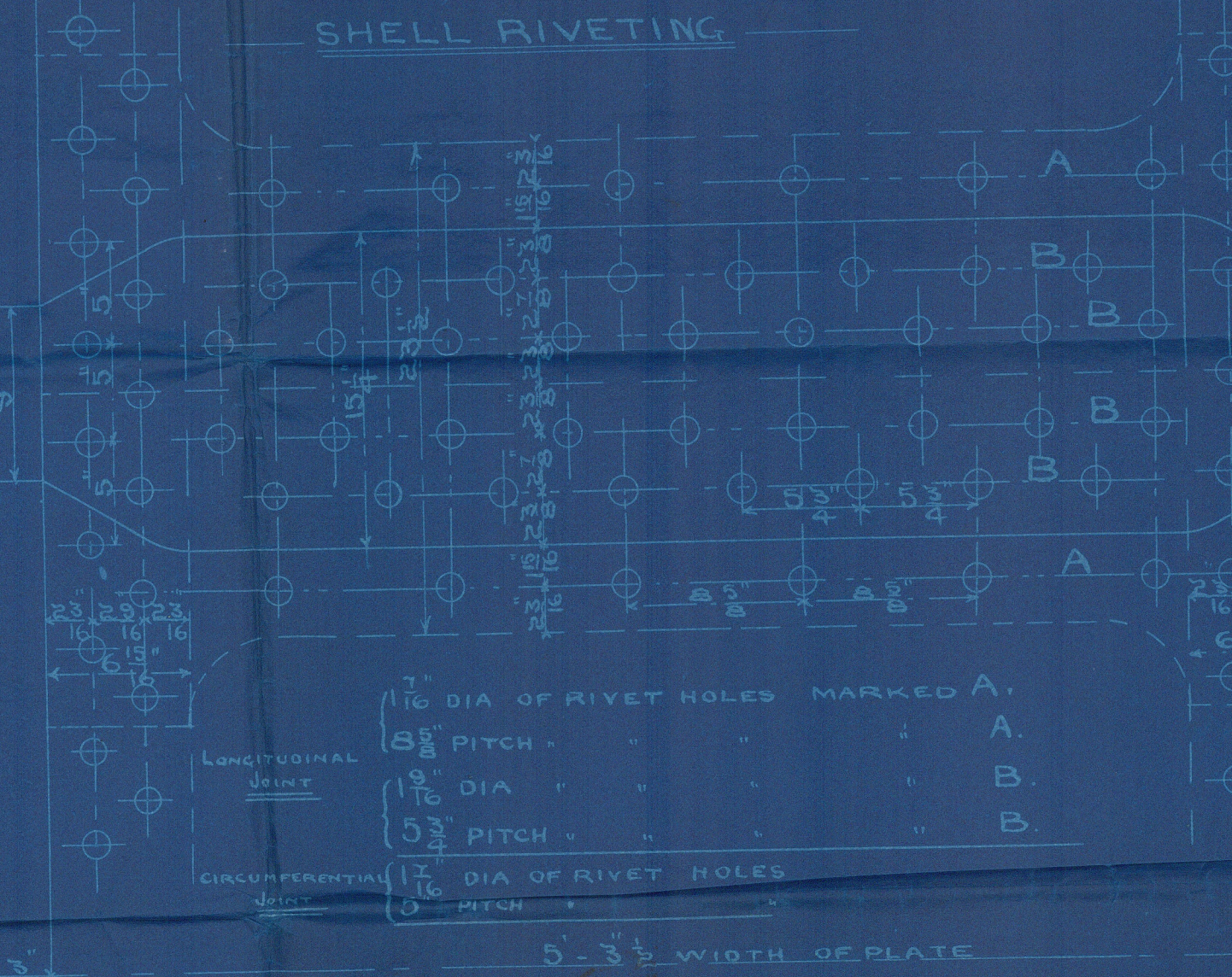
RIVETING FOR BACK OF FURNACES



SCALE 1/2 INCHES = 1 FOOT

ALL RIVETS OF STEEL
PLATES " "

SHELL RIVETING



1 1/2" DIA OF RIVET HOLES MARKED A.
5 1/8" PITCH " " " A.
1 3/8" DIA " " " B.
5 1/8" PITCH " " " B.
1 1/2" DIA OF RIVET HOLES
5 1/8" PITCH " " " B.

5-3/8" WIDTH OF PLATE

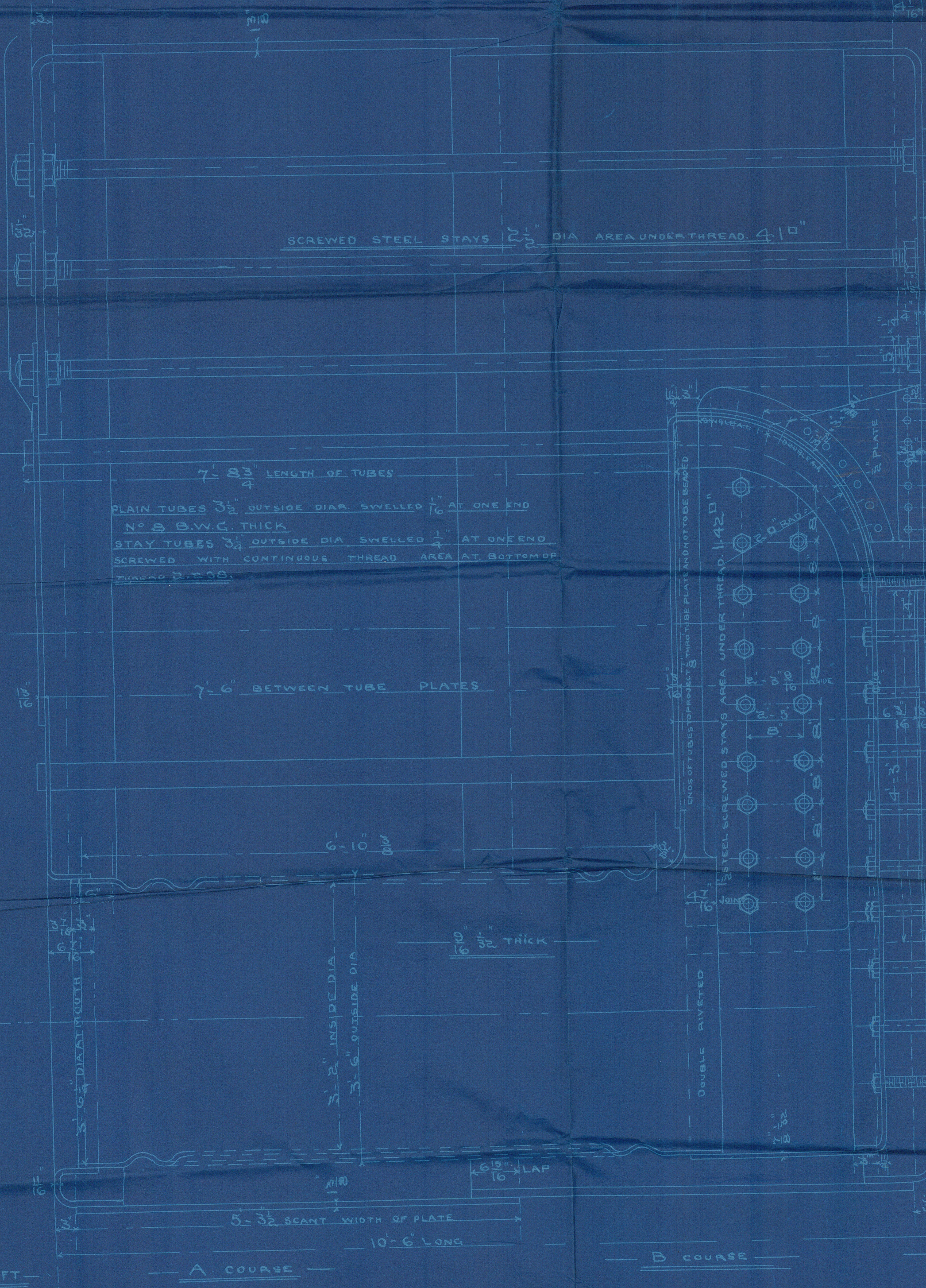
A COURSE

LONGITUDINAL JOINT LEAST 80%
PLATE = 71.2%
RIVETS = 75.8%

Handwritten notes and calculations in a box, including '100%', '71.2%', '75.8%', and '100%'.

WORKING PRESSURE 180 LBS PER SQ IN
TEST 360 " " " "

Handwritten note: R.A. 6.2.89



PLAIN TUBES 3/4" OUTSIDE DIAM. SWELLED 1/16" AT ONE END
NO. 8 B.W.G. THICK
STAY TUBES 3/4" OUTSIDE DIA SWELLED 1/16" AT ONE END
SCREWED WITH CONTINUOUS THREAD AREA AT BOTTOM OF
TUBES DIA 3/4"

7'-6" BETWEEN TUBE PLATES

6'-10" DIA

3'-2" INSIDE DIA

3'-6" OUTSIDE DIA

3/16" THICK

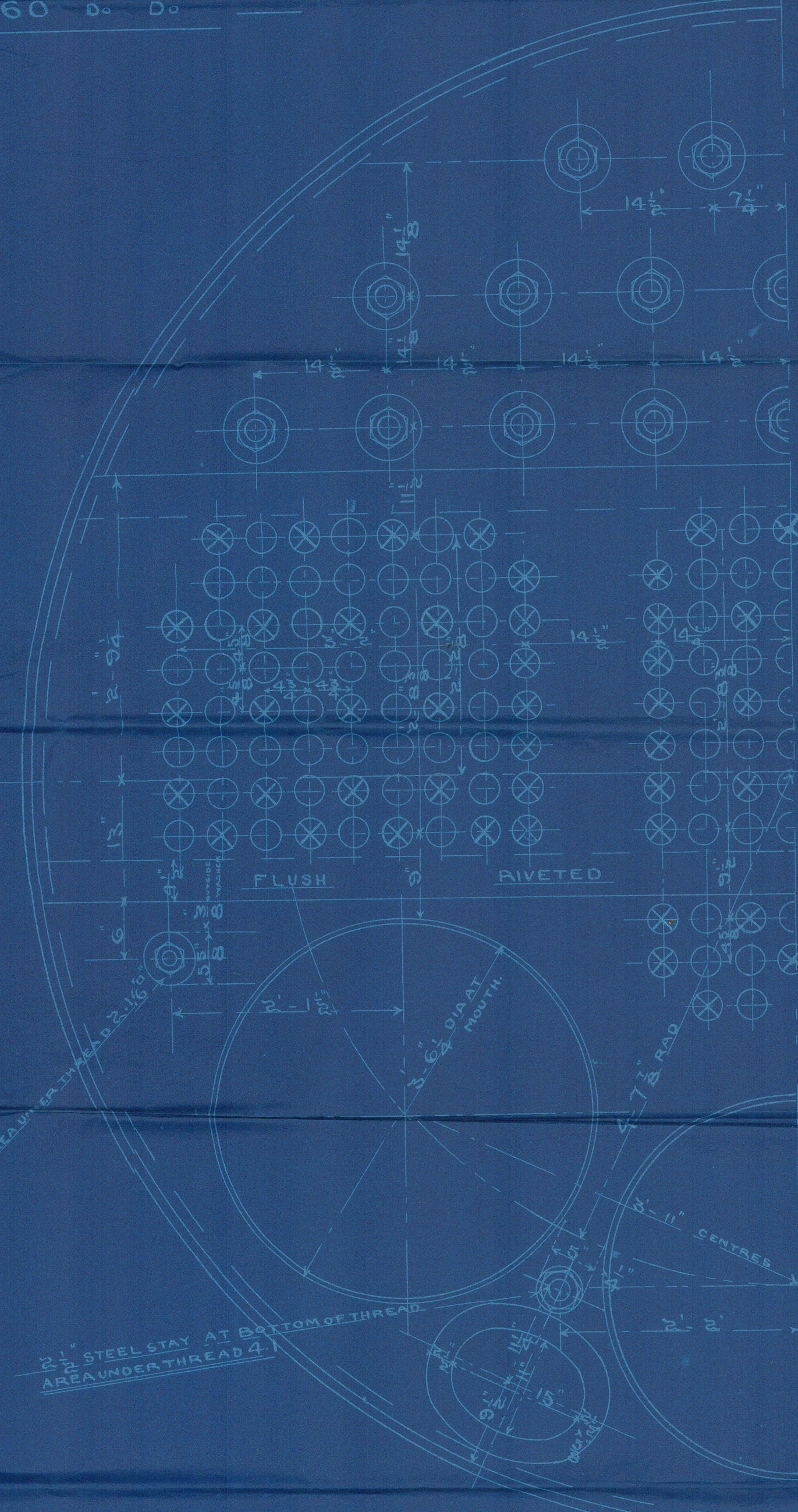
DOUBLE RIVETED

DOUBLING PLATE INSIDE X 2'-0" WIDE
SEE OTHER VIEW

HALF SECTION THRO' A COURSE

LOOKING FORWARD
18'-9" MEAN DIA

HALF SECTION THRO' B COURSE



2 THUS

BOILER NO 236

SCALE 1 INCH = 1 FOOT

WILLIAM RICHARDSON & CO
NEWCASTLE-ON-TYNE
JAN 30 1889

Handwritten initials: M.D. 7-2-89

NW 311-0775

G Baco 236
Sp. P. 180 1/6

" SS Fonar "

True Report to 23543

no. 2975
Lloyd's test
360 1/6
6. 9. 89



Lloyd's Register
Foundation
NWC811-0225