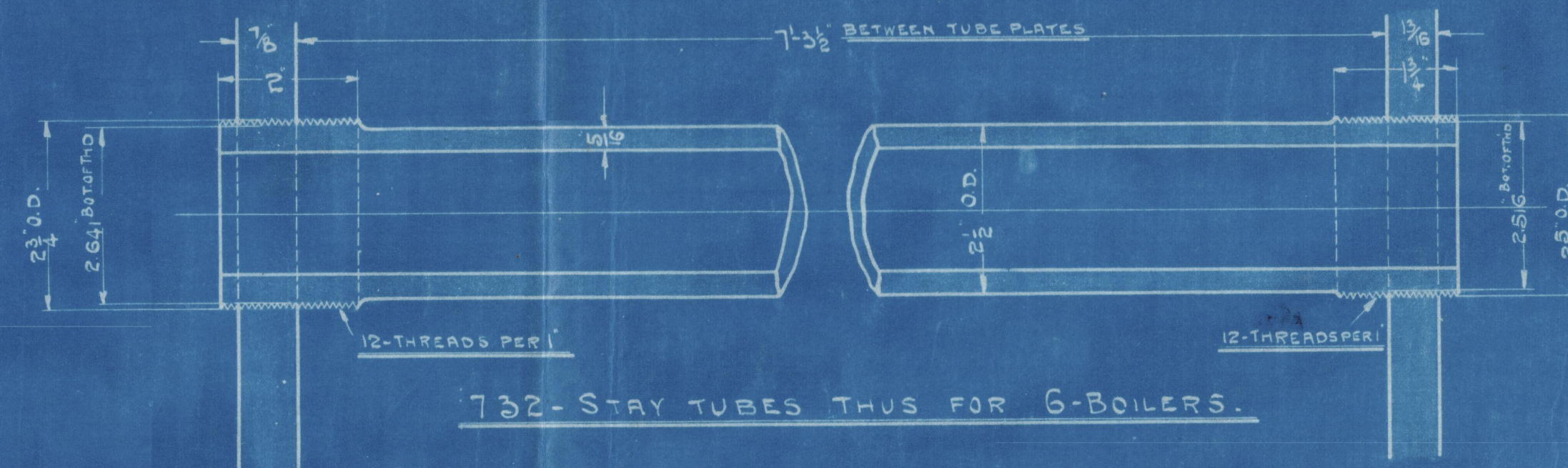


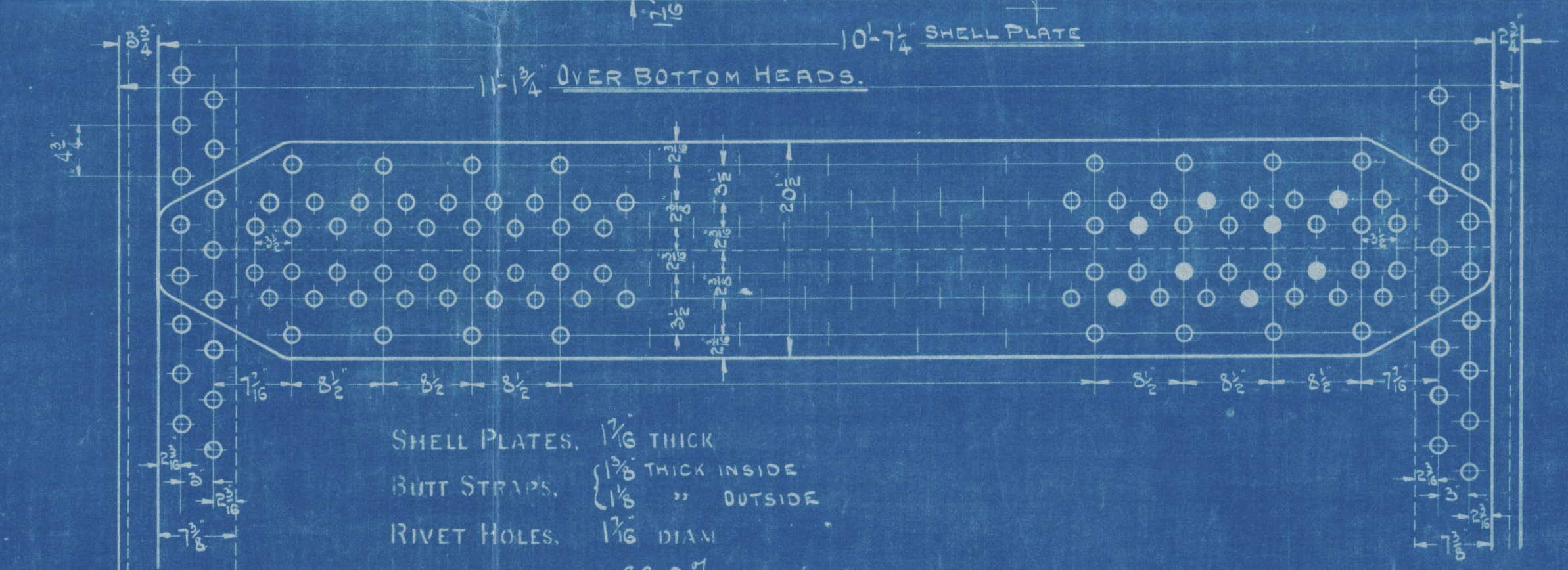
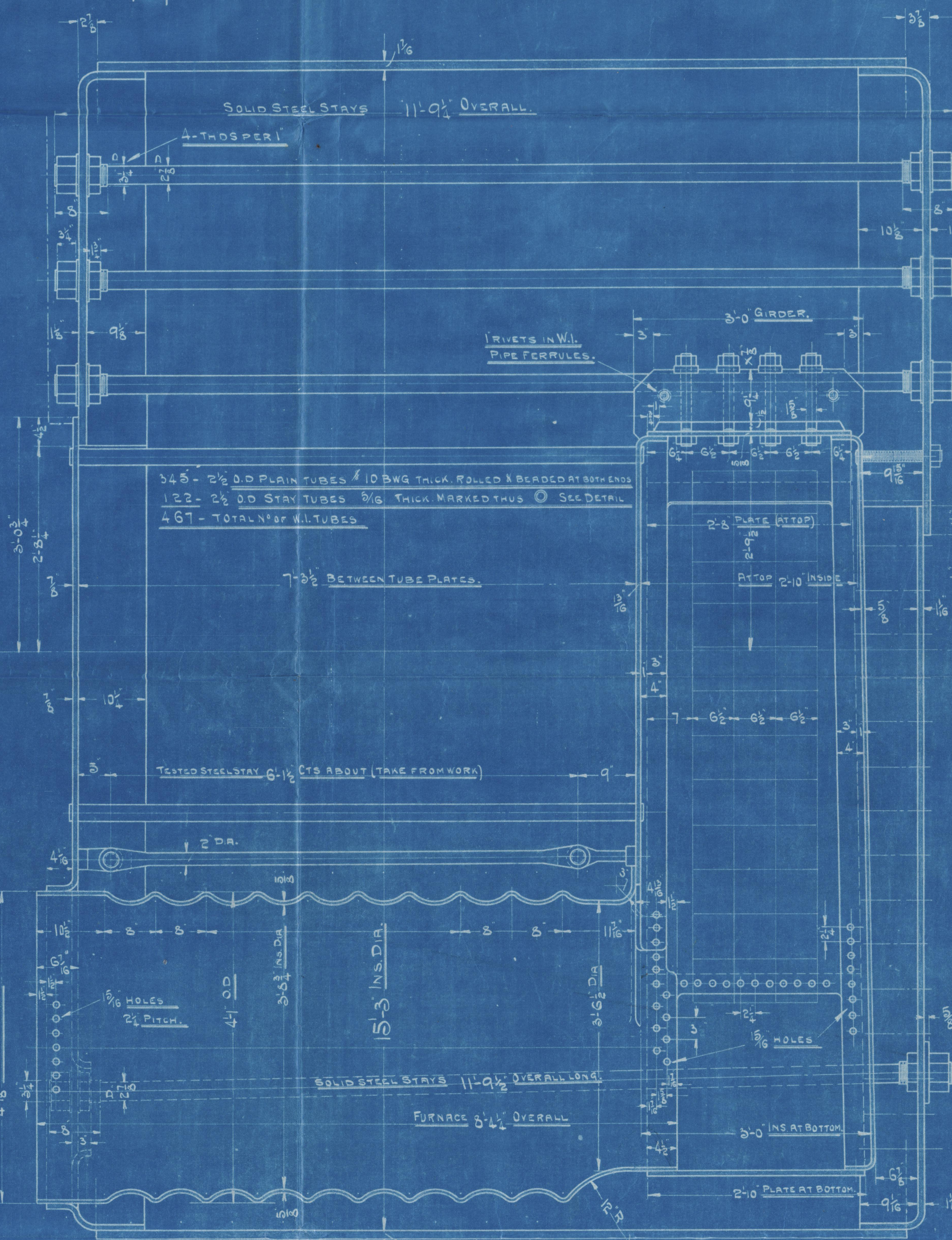
ONE BOILER AS DRAWN.
TWO BOILERS TO OTHER HAND } FOR 1-SHIP.

HEATING SURFACE 467 TUBES, 2 1/2" DIA. SQFT 2228.7
3- FURNACES..... " " 158.5
3-COMBUSⁿ CHAMBERS " " 272.4
TOTAL 1 BOILER " " 2659.6
3 BOILERS " " 5319.2

WORKING PRESSURE 190 LBS PER SQ IN
TO BE MADE TO U.S. INSPECTION AND LLOYD'S



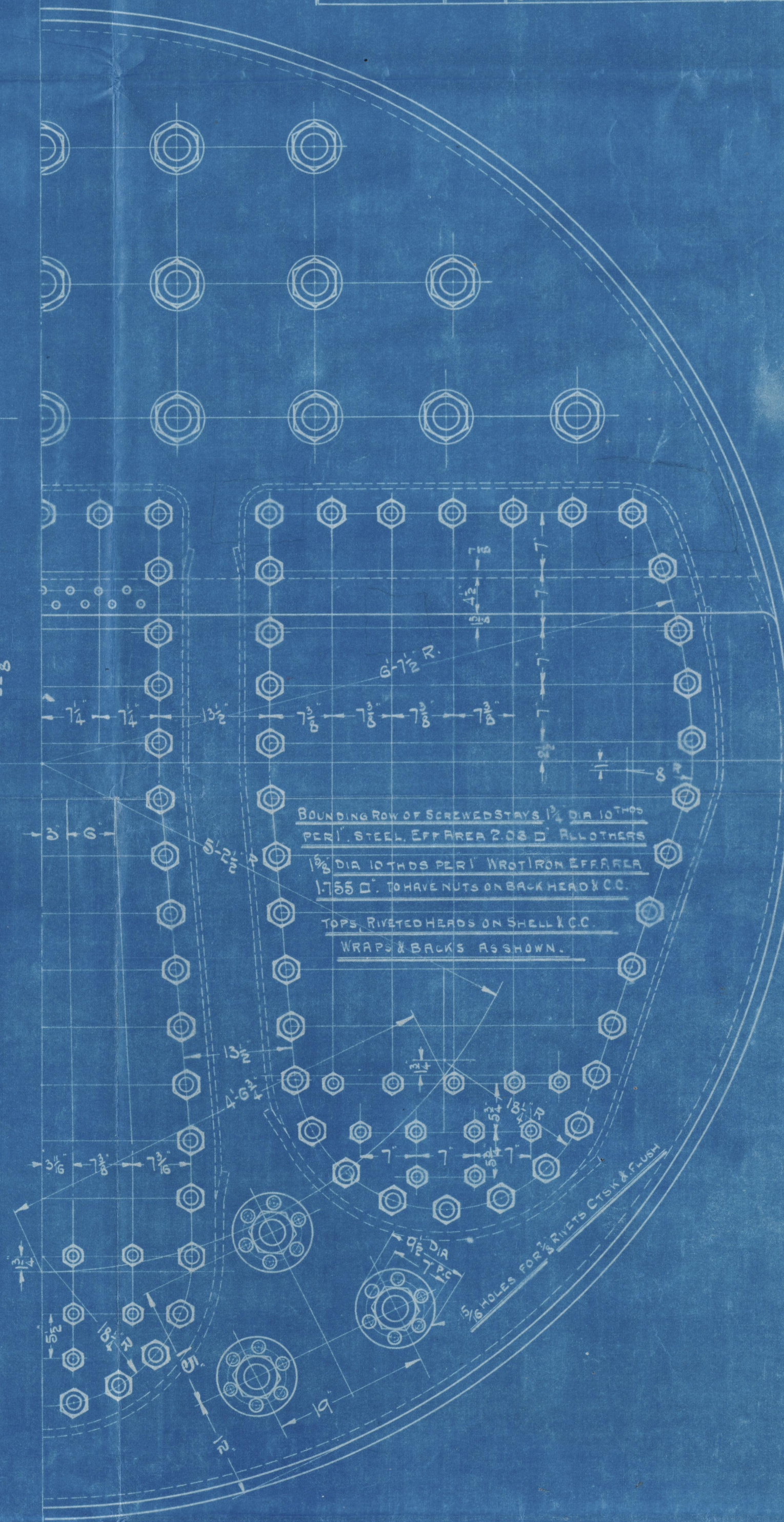
732- STAY TUBES THUS FOR 6-BOILERS.



SHELL PLATES, 1/8" THICK
RIVET STRIPS, 1/8" THICK INSIDE
RIVET HOLES, 1/8" DIA
PLATE PERCENTAGE 83.0%
RIVET 954 1/2 U.S. 98.7 LLOYD'S
ALL HOLES TO BE DRILLED.

MINIMUM TENSILE STRENGTH OF SHELL PLATES 62720 LBS.

NAME	SIZE	WORKING PRESS TO U.S. RULES	WORKING PRESS TO LLOYD'S
SHELL	1 1/8"	18844 X 1.575 = 197.0	23133-21 X .85 = 200.5
TOP HEADS	1 1/8"	175 X 1.5 = 202.0	175 X 1.5 = 205.1
C.C. TOP	5/8"	155 X 1.0 = 210.9	155 X 1.0 = 254.1
C.C. WRAP BACK	5/8"	120 X 1.0 = 220.6	100 X 1.0 = 193.4
C.C. TUBE SHEET	1 1/8"	1525-2252 X 1.575 = 237.8	13 X 1750 X 1.615-2.15 = 257.1
C.C. TUBE SHEET	1 1/8"	155 X 1.0 = 210.9	140 X 1.5 = 296.1
C.C. GIRDERS	9 1/2 X 1 1/8"	97 X 2.25 X 1.75 = 197.7	11560 X 2.25 X 1.75 = 237.2
C.C. BOTTOM	1 1/8"	301300 X 1.575-2.15 = 219.7	501300 X 1.575-2.15 = 255.1
FURNACES	5/8"	15600 X .625 = 208.5	1259 X 1.0 = 205.5
MAIN STAYS	3/4" DIA	6442 X .900 = 211.4	6442 X 1.0 = 244.2
SCREWED STAYS	1 1/8" DIA	1755 X 1.5 = 252.9	1755 X 1.5 = 202.5
PLATE PERCENTAGE		83.0	83.0
RIVET PERCENTAGE		95.4	98.7



ALL SCREWED STAYS TO HAVE
1/8" HOLE DRILLED IN EACH END TO A DEPTH OF 1/2"
BEYOND INSIDE SURFACE OF PLATE
ALL RIVETING IN THE COMBUSTION CHAMBERS
TO BE FINISHED WITH COUNTERSUNK HEADS.

MAIN BOILERS				
SCALE=1 1/8" INCHES TO THE FOOT				
NUMBER WANTED FOR EACH SHIP	TO BE MADE	NAME OF SHIP	CONTRACT	DATE
3		FORE RIVER BR 21 TO 24	S-3576	10-11-19
3		FORE RIVER BR 30 TO 32	S-3576	10-11-19

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FORE RIVER HULLS 253-4

MAIN BOILERS.

S.S. "PENNSYLVANIA," OF NEW YORK, BOSTONRPT. NO. 924 SISTER SHIP TO S.S. "TEXAS,"

BOSTON RPT. NO. 836. AND S.S. "NEW YORK,"

BOSTON RPT. NO. 845.



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