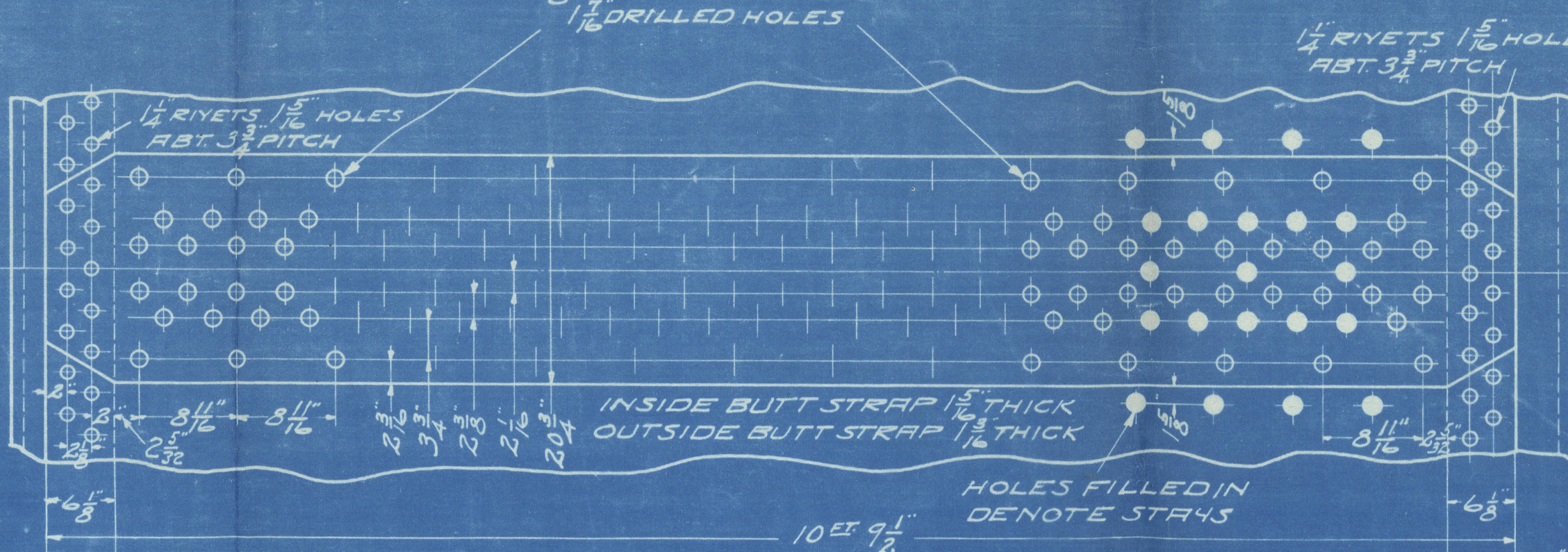
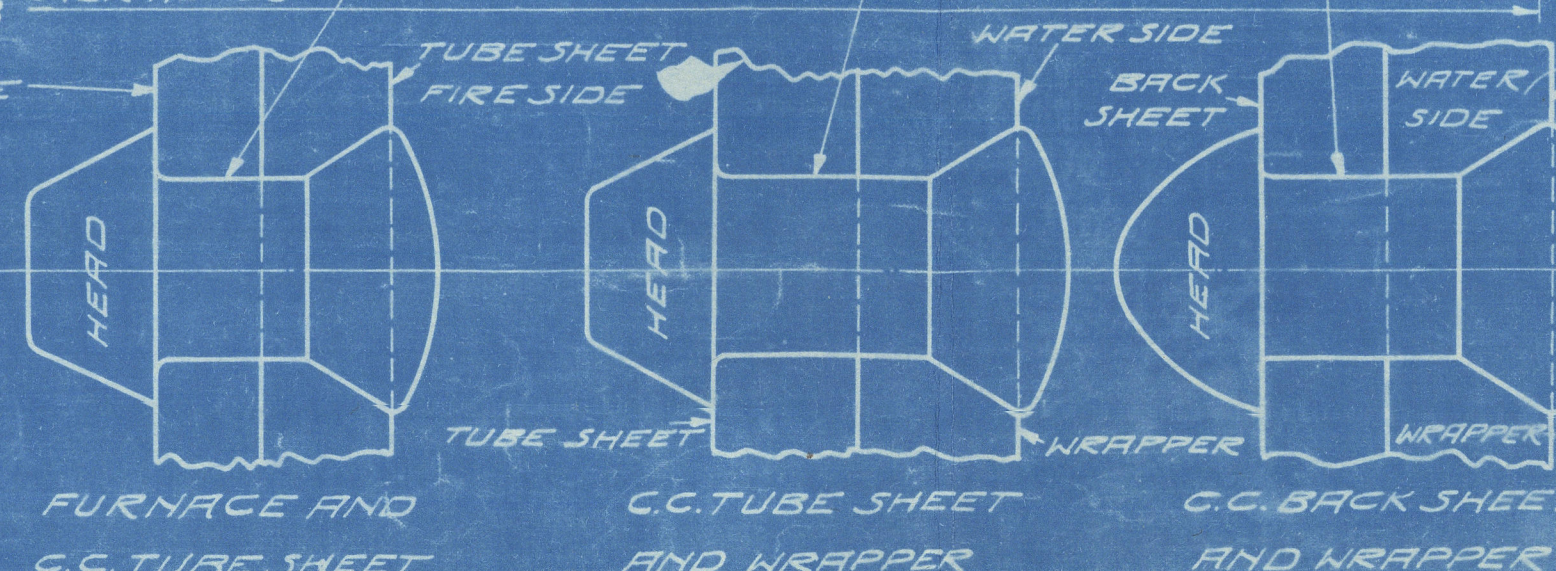

$$PLATE\% \frac{8.687 - 1.437}{8.687} \times 100 = 83.4\%$$
$$RIYET = \frac{5 \times 1.623 \times 1.75 \times 85}{8.687 \times 1.468} \times 100 = 94.6\%$$

SKETCH SHOWING LOCATION OF  
MANHOLES ON BACKHEAD AND  
LOWER STAYS ON FRONTHEAD  
FOR CONT. 384-783



HOLES FILLED IN  
DENOTE STAYS

NOTE:-  
ALL GASKING EDGES OF  
BOILER PLATE TO BE  
TO BE MACHINE PLANED.  
SEAMS, BUTTS AND LAPS  
TO FIT CLOSELY DRAUN UP  
METAL TO METAL, & AFTER  
BEING RIVETED, CALKED  
INSIDE AND OUTSIDE.  
ALL REINFORCE PLATES  
TO BE CALKED.



ALTERATIONS	DATE	APPROV'D	CONSTRUCTED UNDER THE BOARD OF SUPERVISING INSPECTORS, DEPT. OF COMMERCE & LLOYD'S RULES FOR 190 LBS. WORKING PRESSURE	ALTERATIONS	DATE	APPROV'D
WATER SPACE IN BACK INCREASED 3/4 IN.	25-51	1901		CONTAINING NO CHANGED	18-26	1901
MANHOLES IN BOTTOM HEAD MADE 18 IN. LARGER OVER MANHOLES CHANGED TO 30 IN.	19 0 16	1901		SHALL PLATE, NOSTON CHANGED	18-26	1901
NOTE REGARDING RIVETING OF SCREEN STAYS ON BOTH ENDS ADDED	19 0 16	1901		AND 18 IN. TO 16 IN. - 11 IN. ON HEADS AND 10 IN. ON BUTT RIVETS CHANGED TO SUIT.	18-26	1901
12 IN. MAN HOLE LOCATED ON BOILER SIDE	3 1/2 17	1901		BOILER DATA		
12 XIG SHELL MANHOLE CHANGED TO BACK TOP HEAD	18 10 17	1901		TUBES		
SKETCH LOCATING MANHOLES FOR CORR. 344 - 7 & 8 ADDED	18 10 17	1901		FURNACES		
				COMB CHAMBER		
				BACK TUBE PLATE		
				TOTAL H.S.		
				GRATE SURFACE		
				H.S./G.S.		
				CALORIMETER		
				G.S./CAL		

TENSILE STRENGTH OF SHELL PLATES & RIBS 60,000 TO 70,000 LBS.  
 " " " " " " 58240 TO 62200 LBS.  
 WORKING PRESSURE 190 LBS. PER SQ. IN.  
 WATER TEST " 285 " " " " " "  
 EVAPORATION 670 LBS. OF WATER PER SQ. FT. OF GRATE PER HR.  
 $3\frac{1}{2}$ " THIN SAFETY VALVE COMBINED AREA = 192.4  
 FOR DETAILS OF BOTTOM HEAD STAY  
 AND ETC. SEE DR# 1-862-3

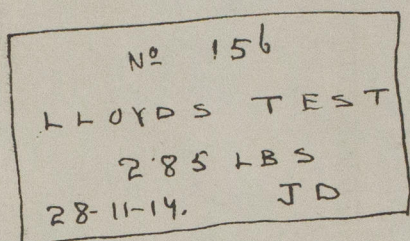
THE SHIPBUILDING CO.  
CHESTER PA:  
ENGINEERING DEPT.

15' x 3" INSIDE DIA. 11 1/2" x 3" BALL HEADS  
S.E. SCOTCH BOILER  
190 LBS. WORKING PRESSURE  
SCALE 1" = 1 FOOT DATE 4-1-1914  
TR. BY K.P.A. APPROVED 120  
CHKD BY C.C.C. [Signature] Lloyd's Regd.  
D.B. 12 263

ALL SCREW STAYS N.I.  
SCREW STAYS ON BACK HEAD MARKED  
THIS  $\bigcirc$  1/8 DIA NUTS 1/2 DEEP NET AREA.  
SCREW STAYS ON BACK HEAD MARKED  
THIS  $\bigcirc$  1/8 DIA NUTS 1 DEEP IN C.C. NO NUT  
ON BACK HEAD NET AREA 1.694".  
WRAPPER SCREW STAYS 1/8 DIA NUTS 1 DEEP  
GUIDER SCREW STAYS 1/8 DIA NUTS 1/2 DEEP  
ALL SCREW STAYS HAVE 12 FULLY THREE  
PER INCH.  
ALL SCREW STAYS TO HAVE 1/8 HOLE  
DRILLED 3/8 BEYOND INNER SURFACE  
OF PLATE.  
SCREW STAYS ON BACK HEAD MARKED  
THIS  $\boxtimes$  ARE RIVETED OVER ON

7/8 "W. W. Bruce"

3. S. E. Scotch Boilers.  
for  
Sun Shipbuilding Co. Hull No 2.  
SS. "SABINE SUN".  
Pl. 2790.



Philadelphia, Pa.

Copy of Approved Plan.

RETAIN



RETAIN



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Lloyd's Register  
Foundation

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