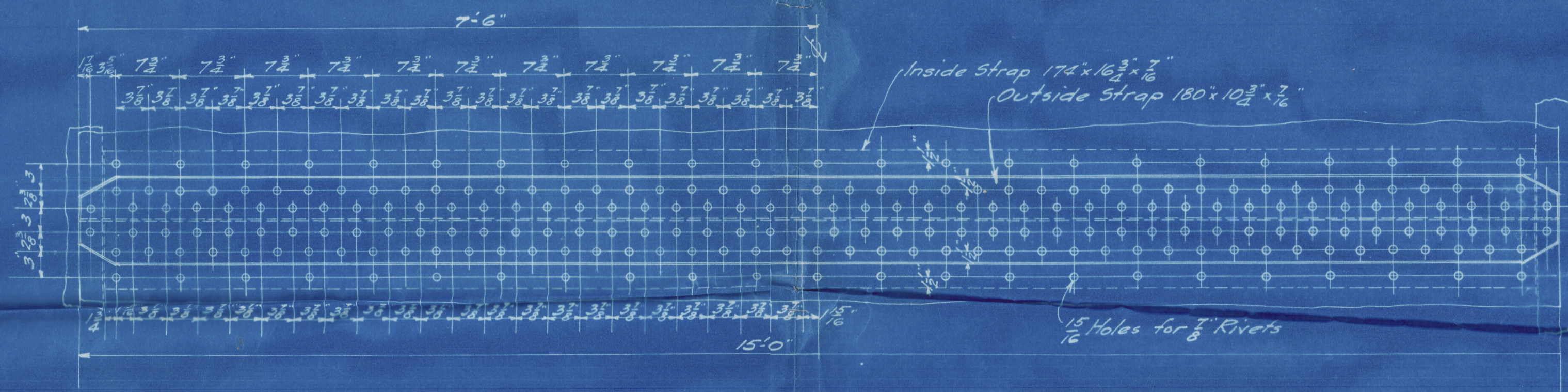


Detail of Staybolt
Made of Hollow Seamless Tubing
turned down, threaded, and
riveted over.

Detail of Throat Stay
Spaced 10 1/2" c to c

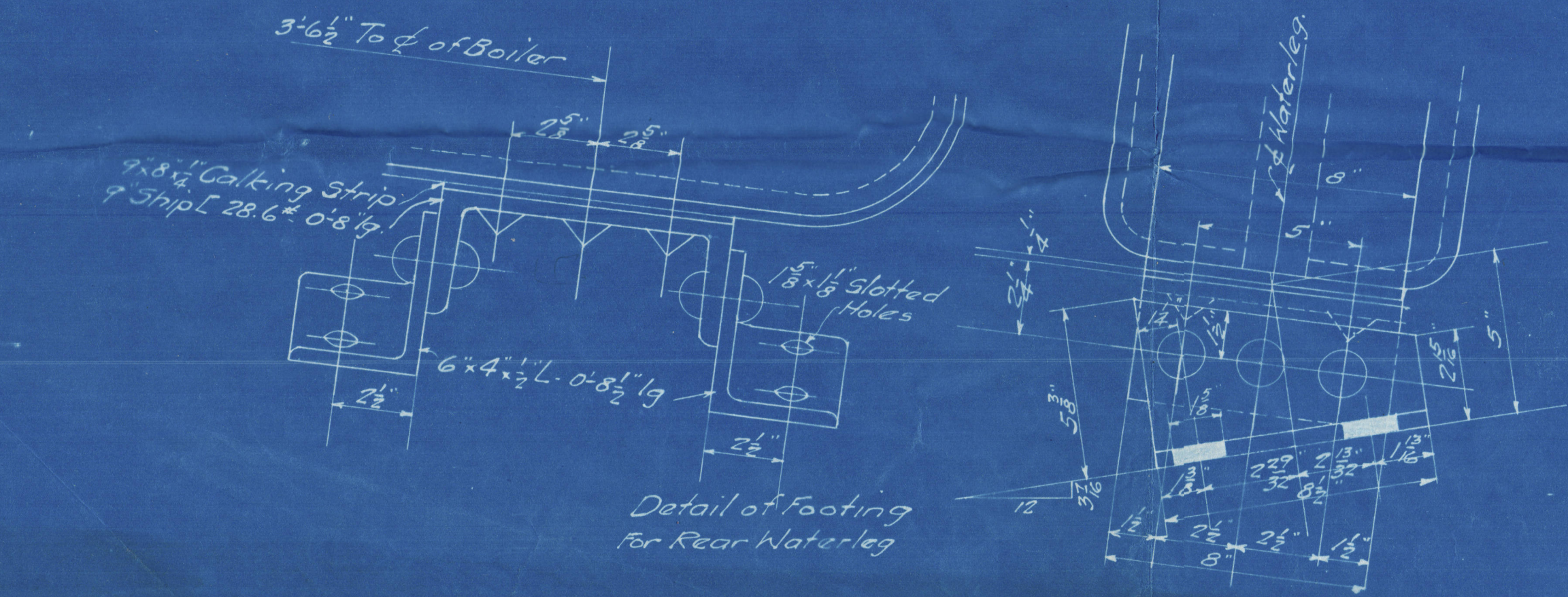
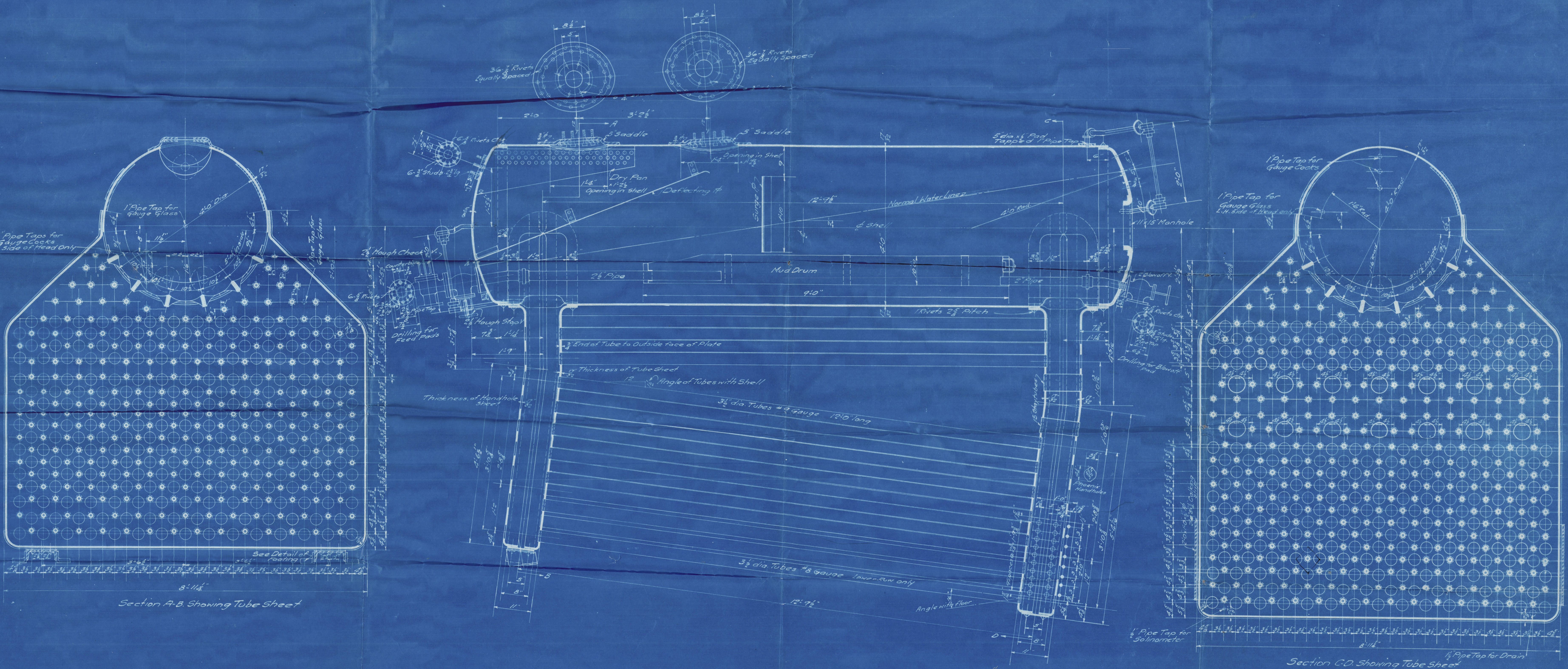


WORKING PRESSURES U.S. RULES		
Name	Size	Working Pressure lbs. per sq. in.
Shell	3/4"	$\frac{58000 \times 5/16}{2} = 214$
Tube Sheet	1/2"	$\frac{120 \times 8.5}{5 \times 7} = 247.7$
Stay Bolt	1 1/2"	$\frac{1.876 \times 6000}{5 \times 7} = 253.5$
Circular Beam	1 1/2"	$\frac{5866 \times 58000 \times 23}{2.6875 \times 6 \times 1/2 \times 28} = 218$
Long Beam	1 1/2"	$\frac{1 \times 6903 \times (4 \times 6903 \times 1.75) \times 58000 \times 23}{775 \times 24 \times 6 \times 28} = 235$
Head	5/8"	$\frac{6275 \times 58000}{24 \times 5} = 332$
Throat Stay	1 1/2"	$\frac{3.5 \times 10625 \times 7000}{10.5 \times 12} = 206.6$
" Rivet	1 1/2"	$\frac{4 \times 8866 \times 58000 \times 23}{10.5 \times 12 \times 6 \times 28} = 223.5$

Boiler Working Pressure 200*

Note: Above table based on ultimate tension of 58000 lbs. per sq. in. Factor of safety 6. Shearing value 53000 x 23/28

Note:
Handholes punched 2 1/2" dia. annealed, and reamed to 3 1/2" dia.
Tubeholes " 2 1/2" " " to 3 1/2" " and
Staybolt holes " 1 1/2" " " to 1 1/2" " and
tapped 1 1/2" threads per in.
Rivets punched 1/2" diameter and reamed to size.
According to page 4, Fourth Supplement to General Rules and
Regulations, Circular letter May 27, 1917, Steamboat Inspection
Service.



APPROVED
SEP 14 1917
NEW YORK

200* Working Pressure

HEINE SAFETY BOILER CO.
BOILER DETAILS
For HEINE MARINE BOILERS
Made for Los Angeles Shipbuilding
& Dry Dock Co. Los Angeles Cal.
102-247-15
DRAWN BY N.E. CHECKED BY N.E. PHOENIXVILLE PA. 9/17/17
SCALE 1/2" = 1'-0"

Main boilers

Los Angeles S B + D & Co

Hulls n^o 1 to 8

<u>Hull n^o</u>	<u>Name.</u>	<u>S F Rpt n^o</u>
1	Accomac	2778
2	Hakulla	2783
3	Trampum	2784
4	Wassaic	2785
5	West Galoe	2814
6	West Galita	2823
7	West Zula	2867
8	West Zucker	2891



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