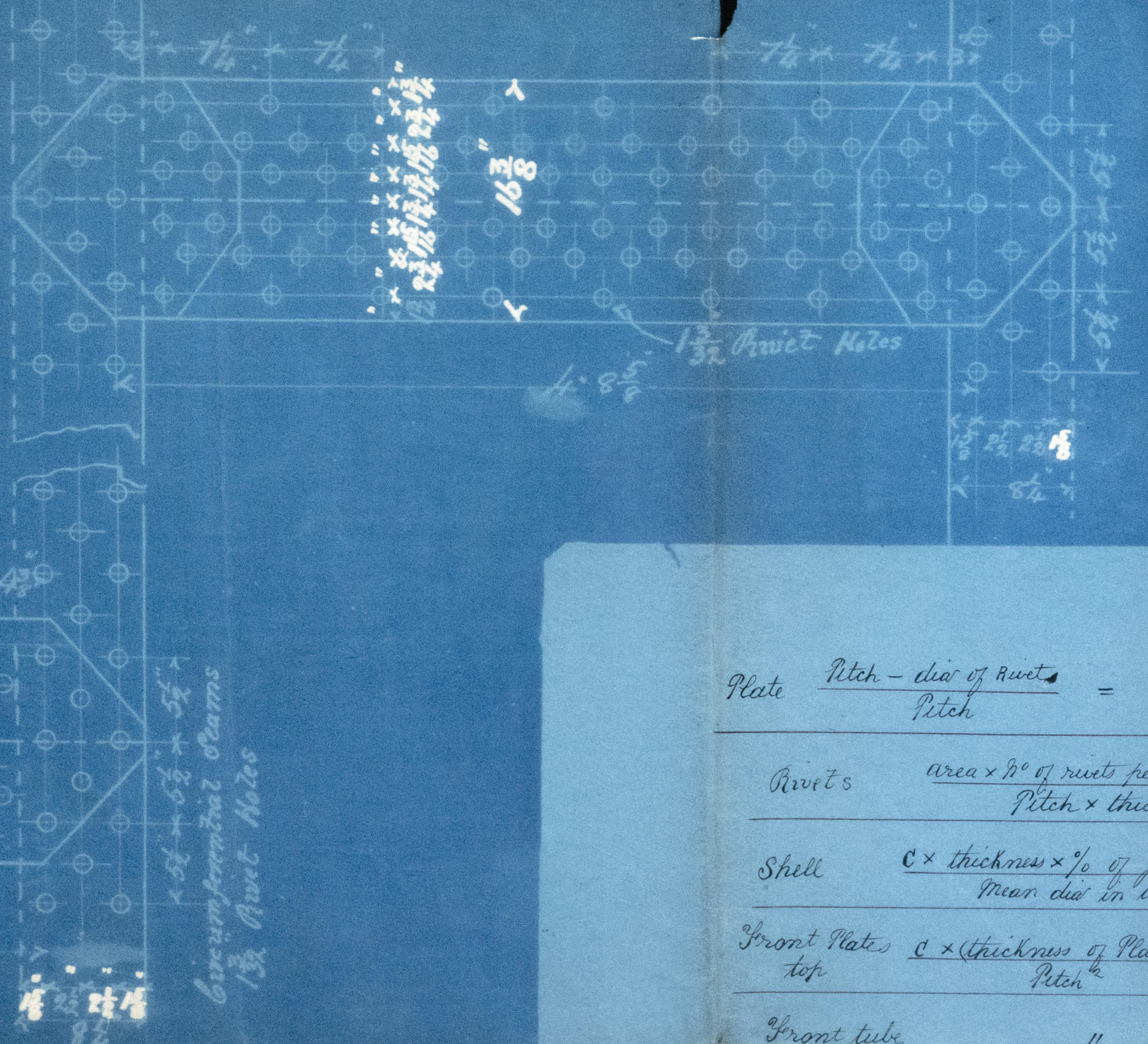


3/9/16

See Hayward 11 x 10 x 10 ft. high

Shell Covering
Plate 1/2 inch = 1 foot



BOILERS N° 11

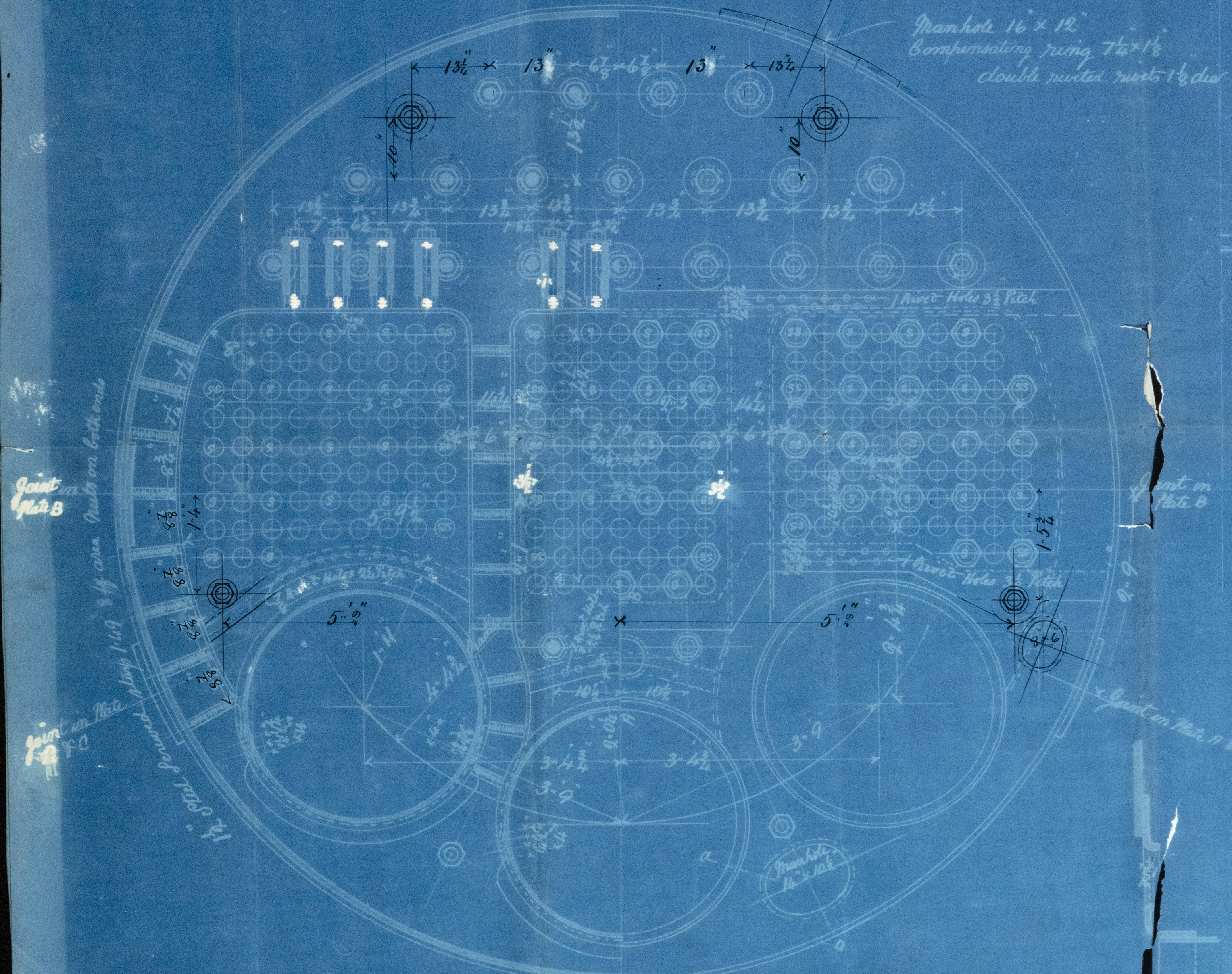
Working Pressure 150 lbs per square inch

Scale 1 inch = 1 foot

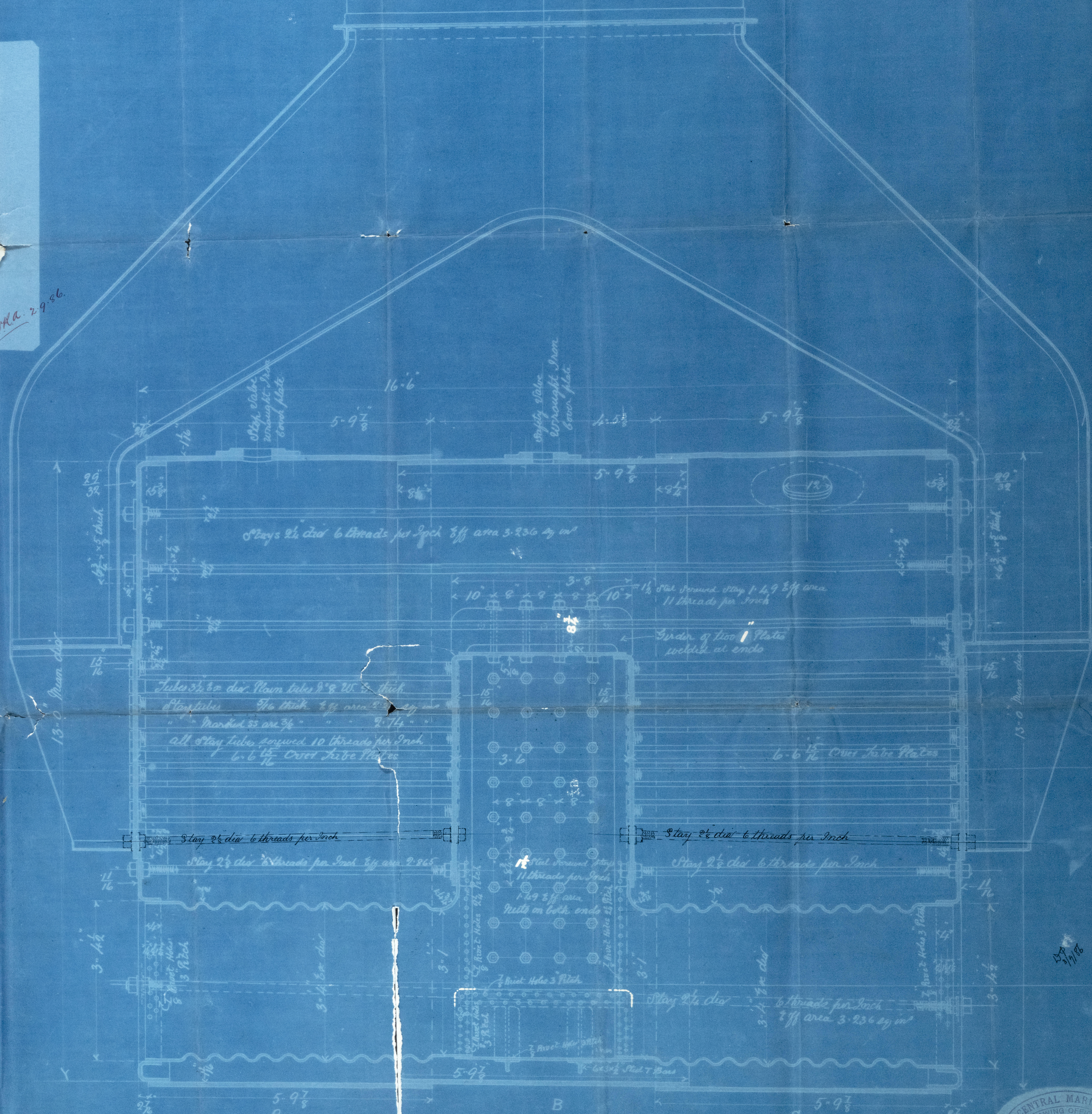
All plates, solid stays, and rivets of steel. Tubes of iron, top welded.

Plate	Pitch - dia of rivets Pitch	$\frac{7.25 - 1.09375}{7.25} = 84.91\%$	Rivets (for chamber top)	$\frac{10.00 \times (8.75) \times 2}{(4.8 - 2) \times 7 \times 1.25} = 156.8 \text{ lbs}$
Rivets	Area x 2° of rivets per pitch x 1.75 x 65 Pitch x thickness of plate	$\frac{9.85 \times 5.175 \times 65}{7.25 \times 1.0625} = 90.6\%$	Stays (for chamber top)	$\frac{1000 \times 8 - 2}{1.0} = 150 \text{ lbs}$
Shell	C x thickness x 1/2 of joint Mean dia in inches	$\frac{8.60 \times 1.0625 \times 54.41}{15.6} = 150.36 \text{ lbs}$	Trans Stays	$\frac{3.236 \times 9600}{14 \times 13.75} = 151.2 \text{ lbs}$
Front Plate	C x thickness of plate in 7/8 Pitch	$\frac{140 \times 14.9}{14} = 150.1 \text{ lbs}$	Screwed stays	$\frac{1.49 \times 8000}{8.75 \times 8} = 170 \text{ lbs}$
Front tube plate	"	$\frac{140 \times 15}{14.25} = 155 \text{ lbs}$		
Chambers	"	$\frac{120 \times 10}{8.75} = 156.7 \text{ lbs}$		

W.P.C. 2-9-16



See Hayward 11 x 10 x 10 ft. high
Scale 1/4 inch = one foot



Messrs Central Marine Engineering Co.

No 11 Boilers.

1:1378
Long test
300 lbs
15.12.88 H.R.A.

0292

J. HALDEN & CO.
MANCHESTER

No 11 Boilers

for

Genl W Gray No 1317/1888

STK 913-0292



© 2021

Lloyd's Register
Foundation