

$\frac{3}{4}$ " dia: of Rivets
 $2\frac{1}{4}$ " Pitch of Rivets

$\frac{7}{8}$ " Dia: of Rivets
3" Pitch of Rivets

Working Pressure 80 Ws. }
Test do 160 Ws. } Per square inch

22. "Lienhard 22."

88

Shell Riveting

5' - 3 5/8" Total Length.

1 1/4"

1 1/2"

1 3/4"

14 - 8 3/8"

1 1/6" Dia. of Rivet Holes

4 1/4" Pitch of Rivet Holes

All holes filled, outside plates through inside holes.

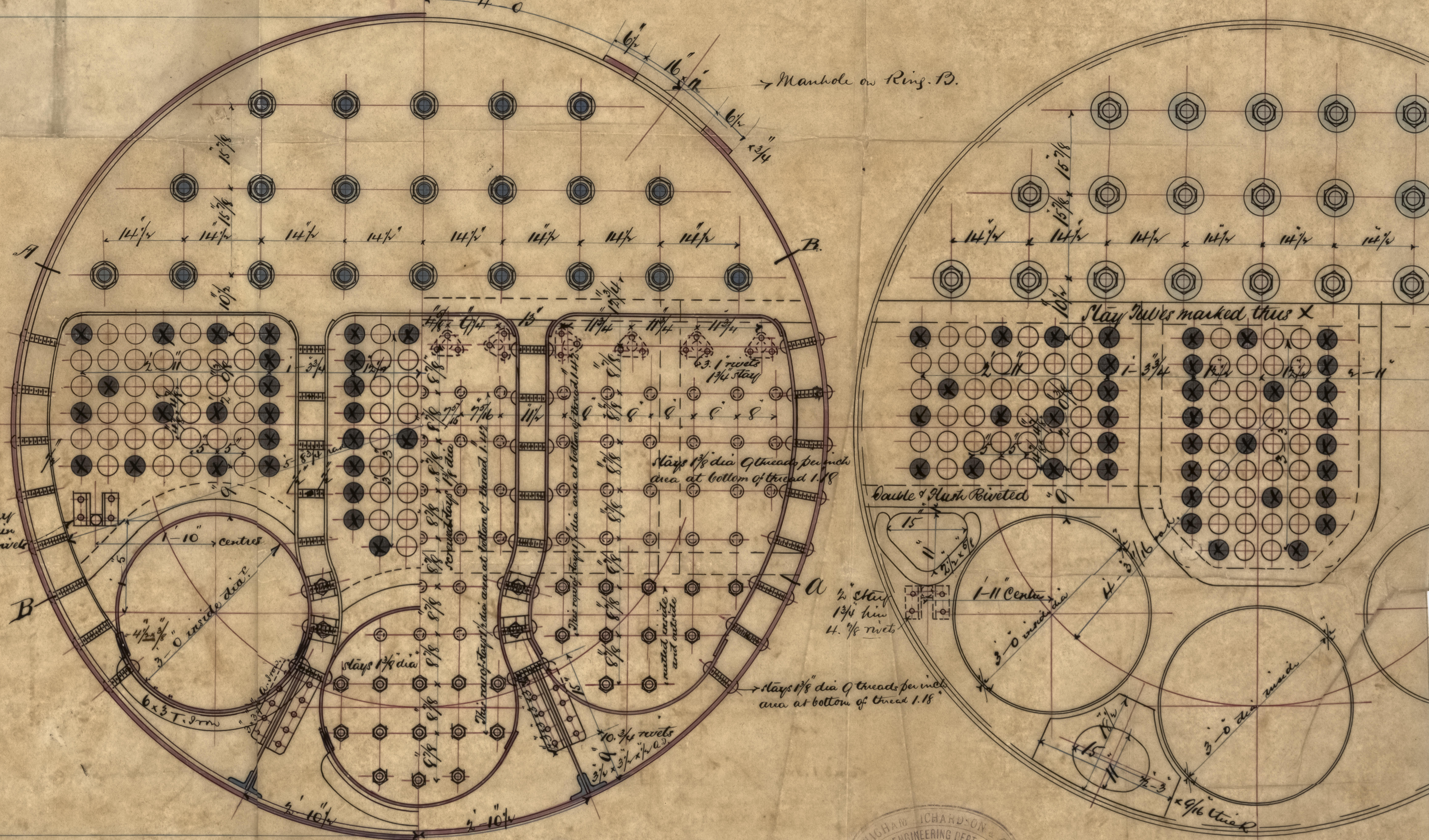
1 1/8" Dia: of Rivet Holes
4 1/4" Pitch of Rivet Holes

All holes filled, Outside plates through inside holes.

$\frac{3}{4}$ " dia^c of Rivets
 $2\frac{1}{2}$ " Pitch of Rivets

Longitudinal seams drilled

No Dome



Scale 1. inch = one foot.

WIGHAM RICHARDSON & CO
ENGINEERING DEPT.
NEPTUNE WORKS
8/6/83.
NEWCASTLE-ON-TYNE

Boilers Nos. 163.—

Rev. E. P. D.

Shell Railing

Nov 23-7



1/2" x 1/2" x 1/2"

H. N & Co
Nov 16 3

J. W. Smith
S. S. Pessell

1/2" x 1/2" x 1/2"

NWCT90-0177



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Lloyd's Register
Foundation

S.S. "Nonpareil"
Proc. Report No. 14586

