

10:10:06

# DIMENSIONS.

LENGTH OF FIRE BARS	34'
AREA OF FIRE GRATE	6' - 4"
DIAM OF TUBES OUTSIDE	16 3/4"
LENGTH OF TUBES OVER Plates	168"
NO OF TUBES	285
SURFACE OF TUBES	11154'
TOTAL HEATING SURFACE	11154'
WORKING PRESSURE	180.

## Particulars of Riveting

**SHELL** Longitudinal Beams to be Triple Riveted Double Butt Straps.  
Rivets drilled 1 3/8" dia. 7 1/2" pitch.  
Circumferential Beams to be double Riveted Lap Joints.  
Rivets drilled 1 3/8" dia 5 1/2" Pitch.

**FURNACES** Back Ends - Bottom half of front ends Single Riveted.  
Top half of front ends Double Riveted.

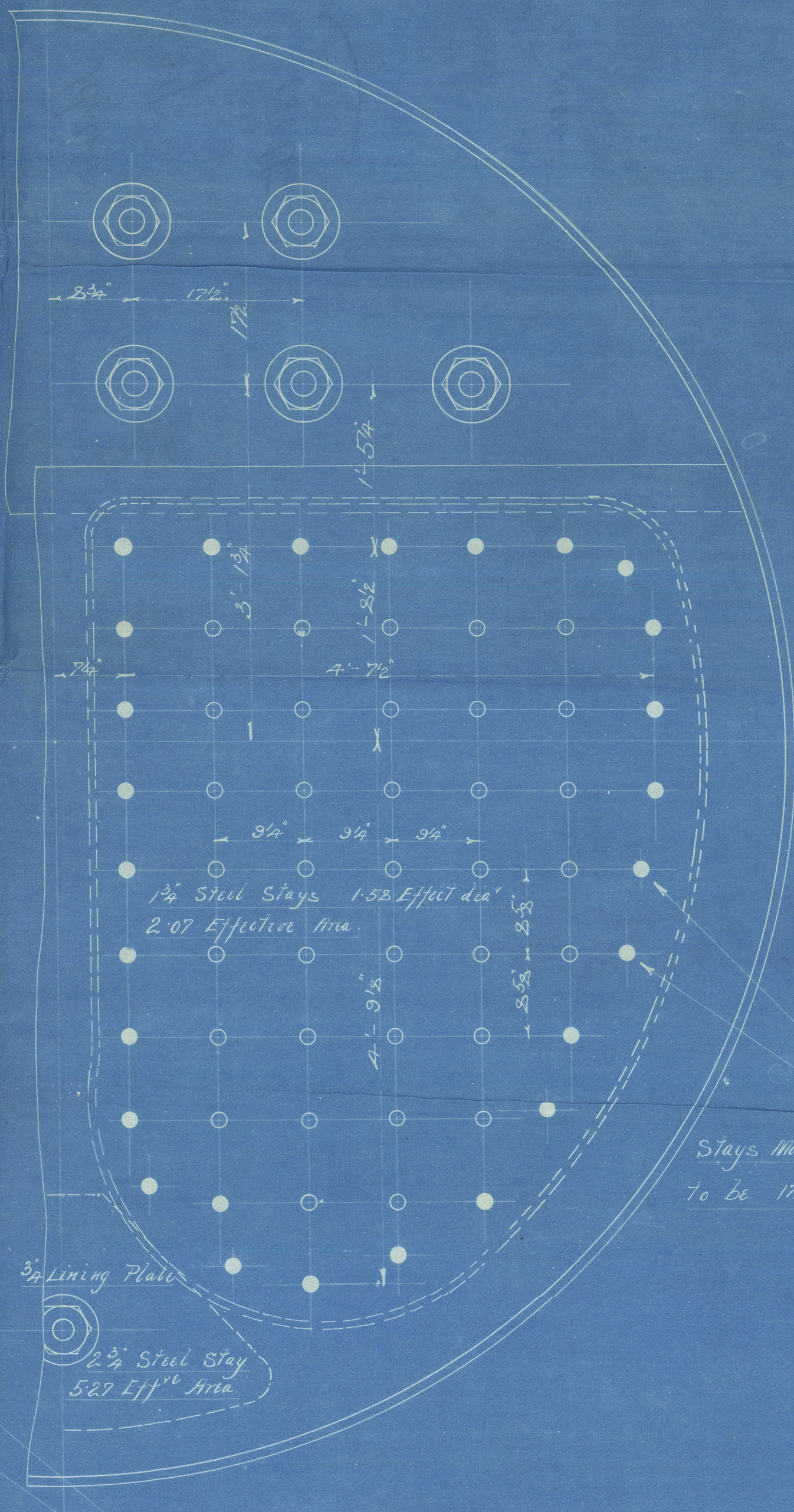
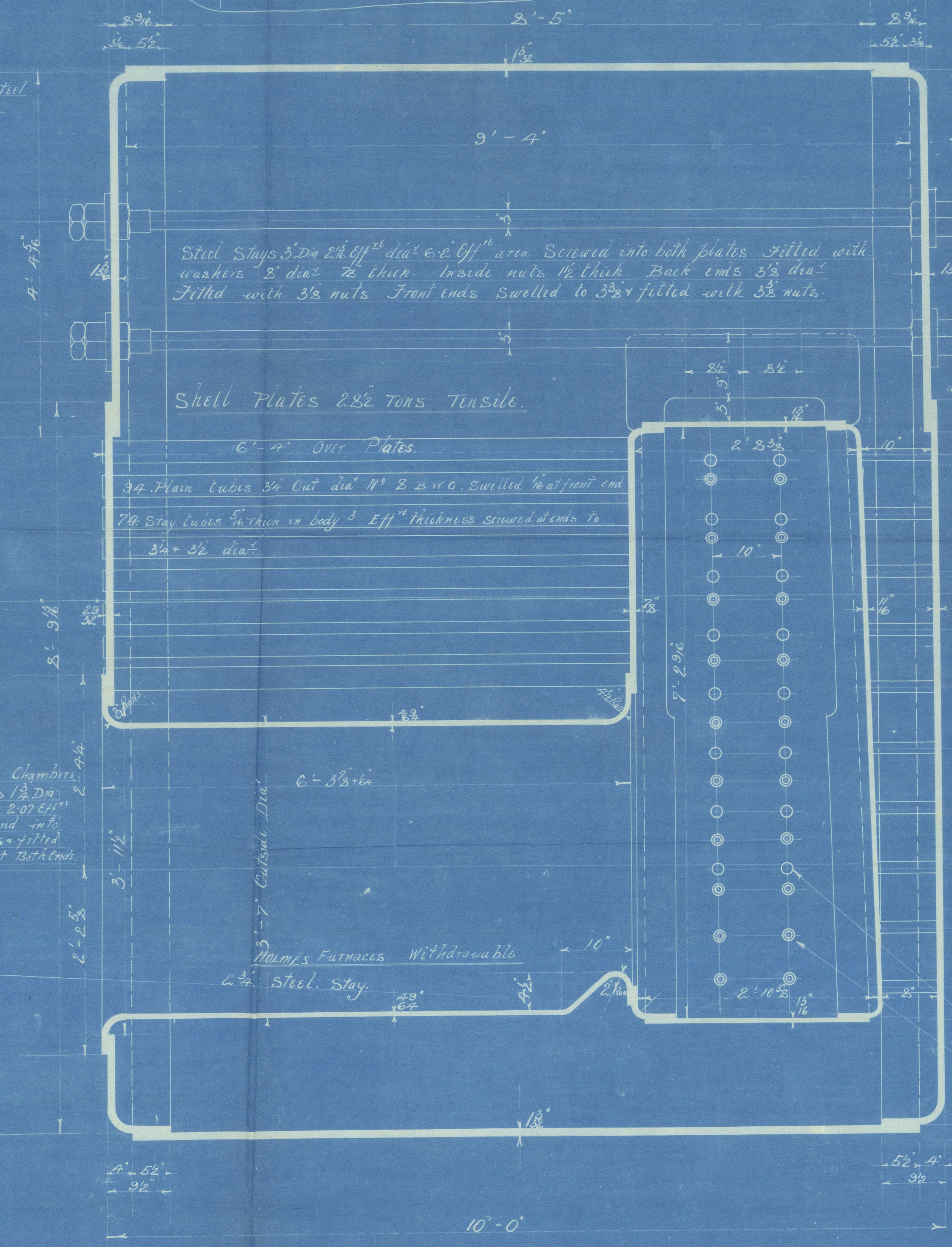
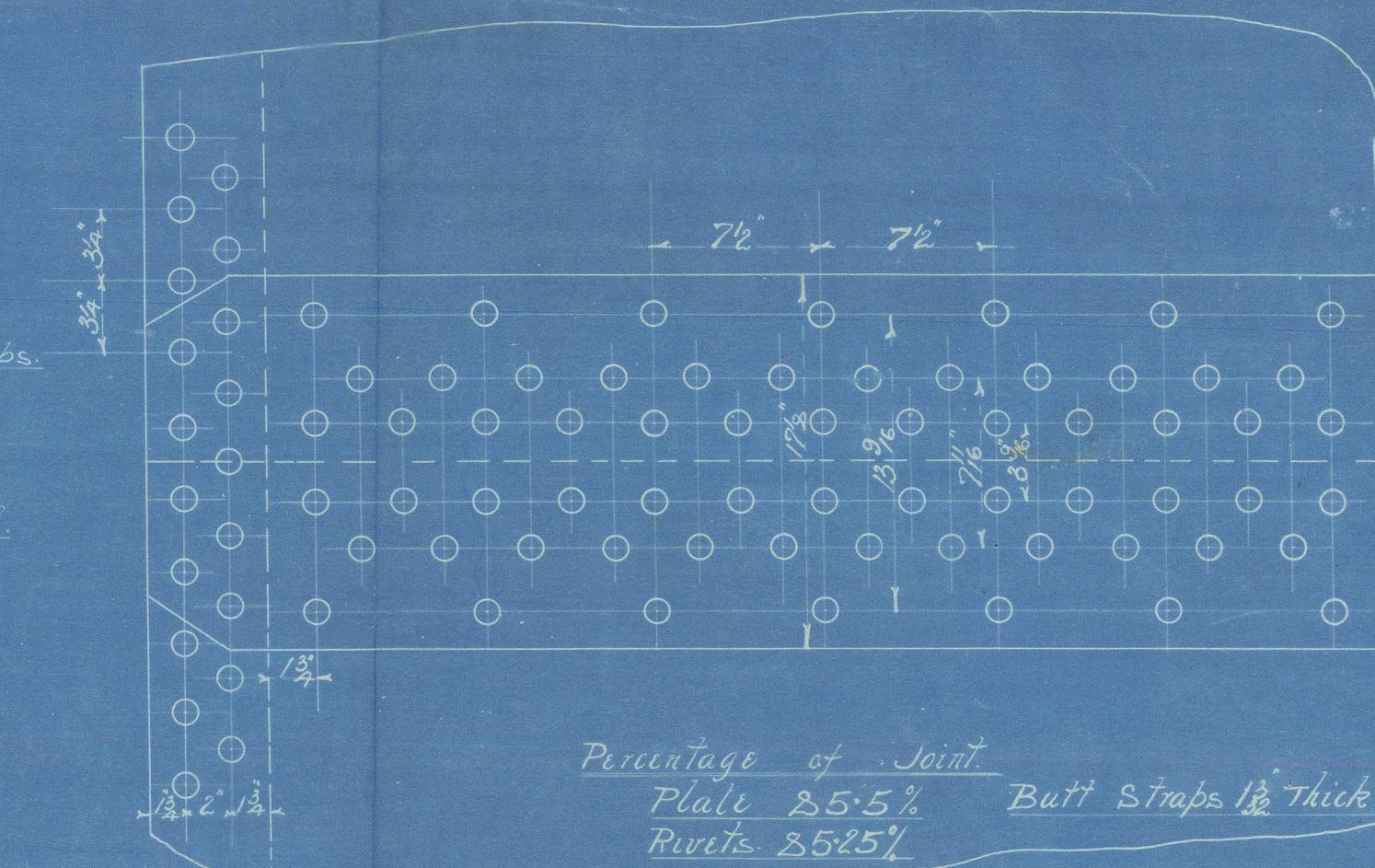
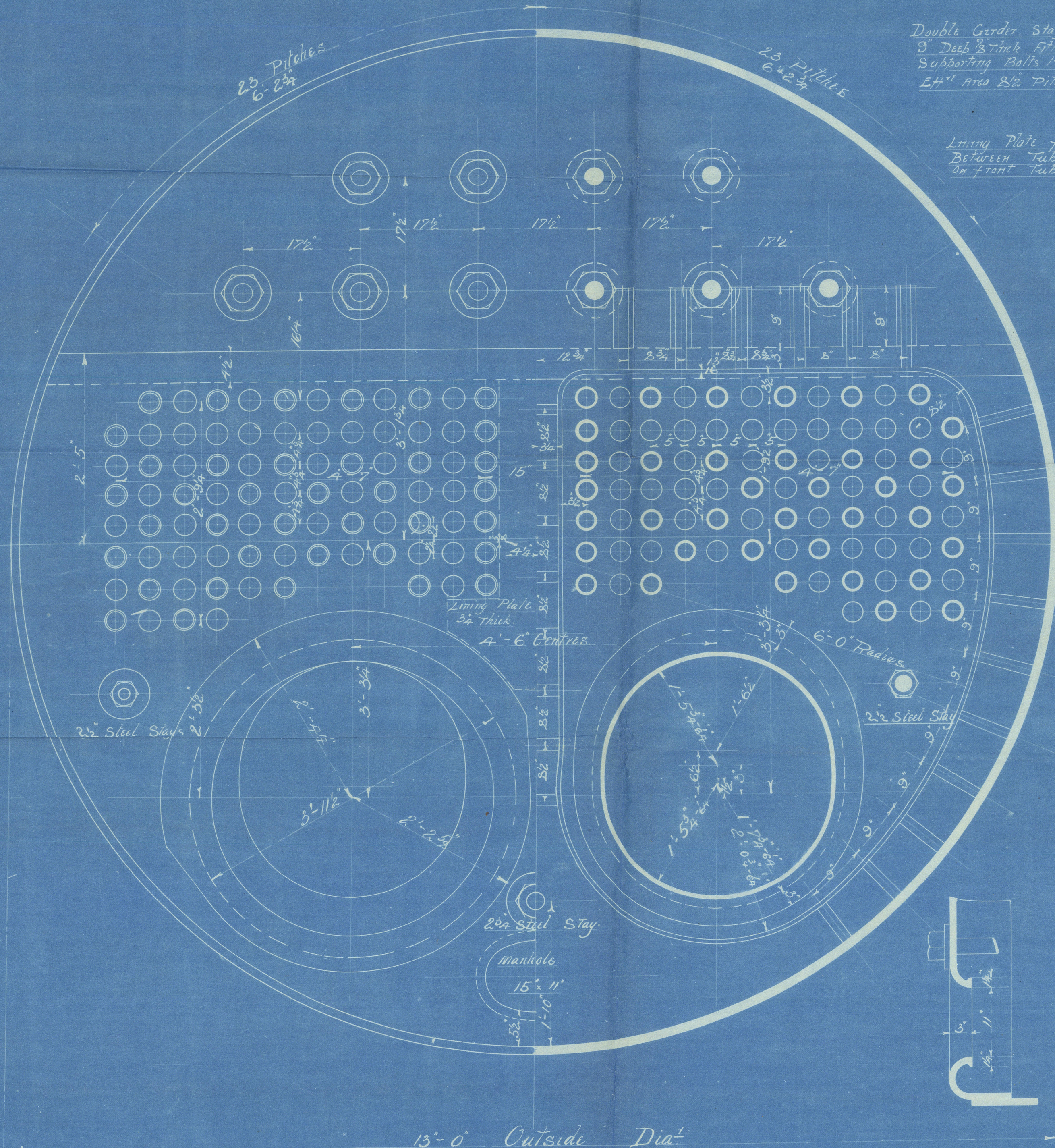
**COMB CHAM** To be double Riveted along bottom & up stays to  
Level of furnace tops Remains Single Riveted.

**END PLATES** Cross Beams to be Double Riveted.

Manhole in Shell 16"x12"  
Lined Inside with 1 1/2" Plate  
7" Broad.

Double Girder Stays of Steel  
3" Deep 8" thick fitted with 3 Steel  
Supporting Bolts 1 3/8" Dia 2-07  
6 1/2" Area 8 1/2" Pitch.

Lining Plate fitted.  
Between Tube nests  
on front Tube Plate.



STEEL BOILER NO 827

CHARLES D HOLMES & CO  
ENGINEERS & BOILER MAKERS

HULL 1906

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Charles D. Holmes  
& Co No 824

180 lbs



of "Carlton"  
Hull Report No. 18960



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