

Holmes 290 + 291

290 s/s Zentouri
Hull Report No 7620

291 s/s Mayaguez
Hull Report No: 7679

HUL 403-0222



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Lloyd's Register
Foundation

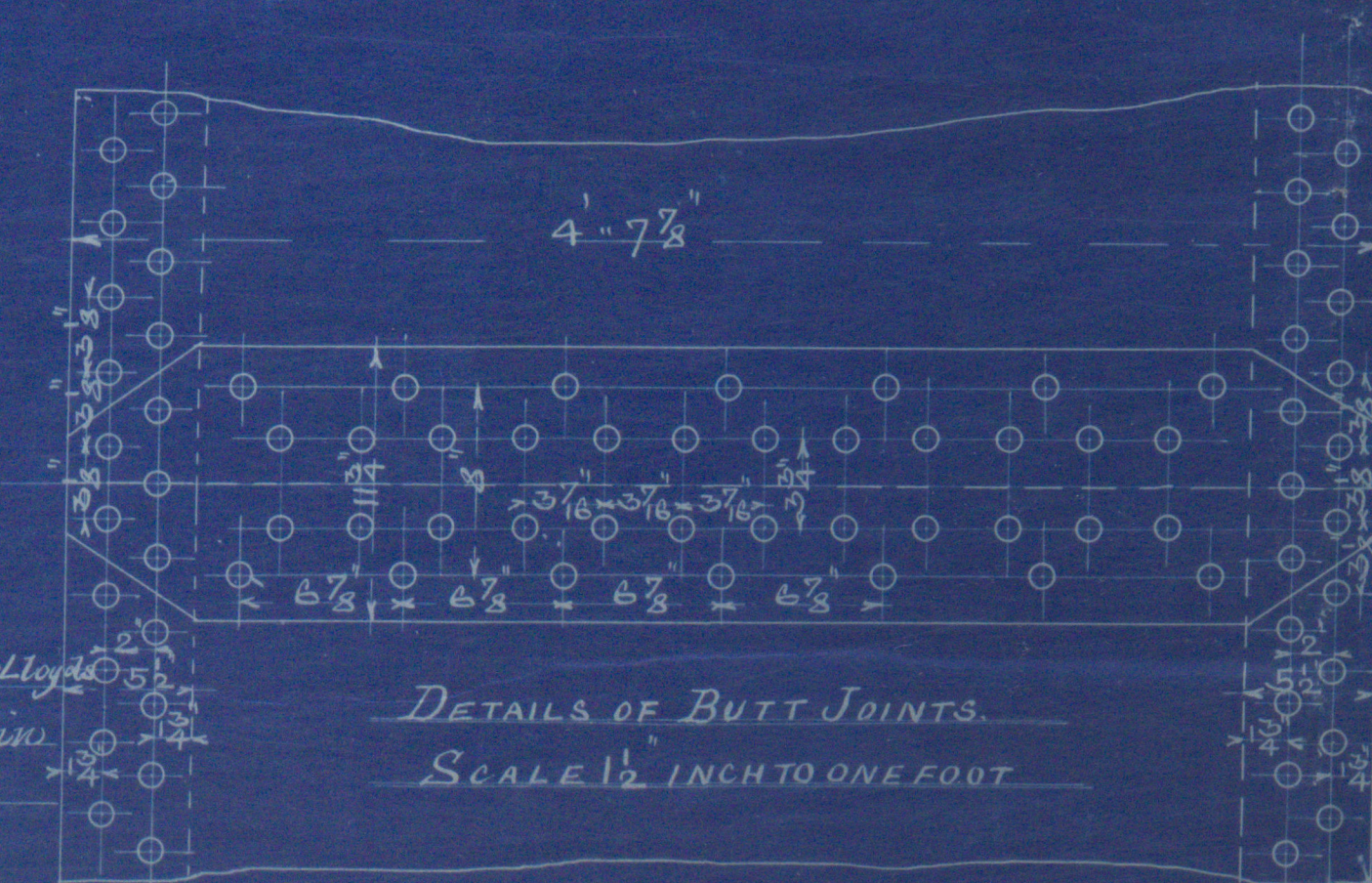
16.6.90

List of Plates

| | | |
|----------|---------------------------------|------|
| 2 Plates | 16' 4 3/4" x 4' 8 1/2" x 3/8" m | 2.85 |
| 2 " | 16' 2 1/4" x " x " | 2.7 |
| 1 " | 16' 5' 3/8" x 4' 2 1/2" x 1/2" | 2.7 |
| 1 " | 5' 8" x 4' 2 1/2" x 1/2" | 4 |
| 1 " | " x 7' 7" x 3/8" | 5 |
| 1 " | 5' 8 3/4" x 7' 7 1/2" x 3/8" | 6 |
| 2 Plates | 9' 11" x 7' 8 1/2" x 3/8" | 7 |
| 1 " | 9' 7" x 4' 7" x 1/8" | 3 |
| 1 " | " x 6' 5" x 5/8" | 9 |
| 1 " | 8' 8" x 2' 3" x 3/8" | 10 |
| 2 " | 5' 8" x 2' 2" x 3/8" | 11 |
| 1 " | 8' 7" x 1' 11" x " | 12 |
| 1 " | 5' 9" x 2' 6 1/2" x 1/2" | 13 |
| 2 " | 4' 8 1/2" x 1' 0" x 1/8" | 14 |
| 4 " | 4' 3 1/2" x 1' 0" x " | 15 |
| 2 " | 3' 10 1/2" x 1' 0" x " | 16 |

DIMENSIONS.

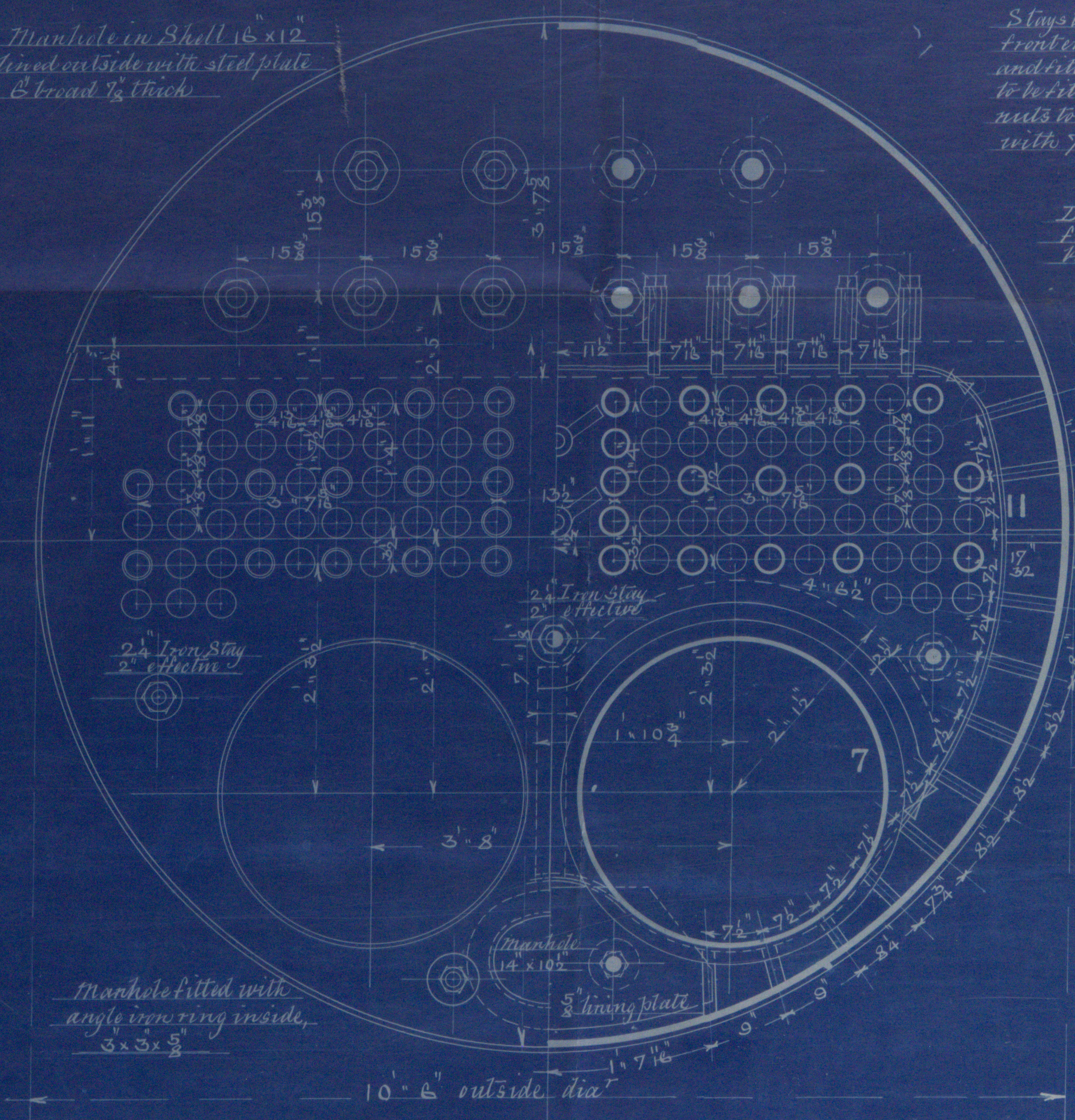
| | |
|------------------------|--------------------|
| LENGTH OF FIRE BARS | 4' 9" |
| AREA OF FIRE GRATE | 29.08 |
| DIAM. OF TUBES OUTSIDE | 3 1/2" |
| LENGTH OF TUBES | 6' 7" |
| NO OF TUBES | 102 |
| SURFACE OF TUBES | 607 sq ft |
| TOTAL HEATING SURFACE | 797 " - 780 Lloyd |
| WORKING PRESSURE | 150 lbs per sq in. |
| DIAM. OF SAFETY VALVE | |



Particulars of Riveting
 Longitudinal seams to be double riveted, & fitted with double butt straps. Steel rivets 1 1/2" dia & 6" pitch, holes drilled 1 3/32" in place.
 Circumferential seams to be double riveted lap joints, Steel rivets 1 1/2" dia & 5 1/2" pitch, holes drilled 1 3/32" dia.

Percentage of Joint
 (Lloyd's) Plate - 82.25 Rivets 86

Manhole in Shell 16" x 12" lined outside with steel plate 3/8" broad 1/2" thick

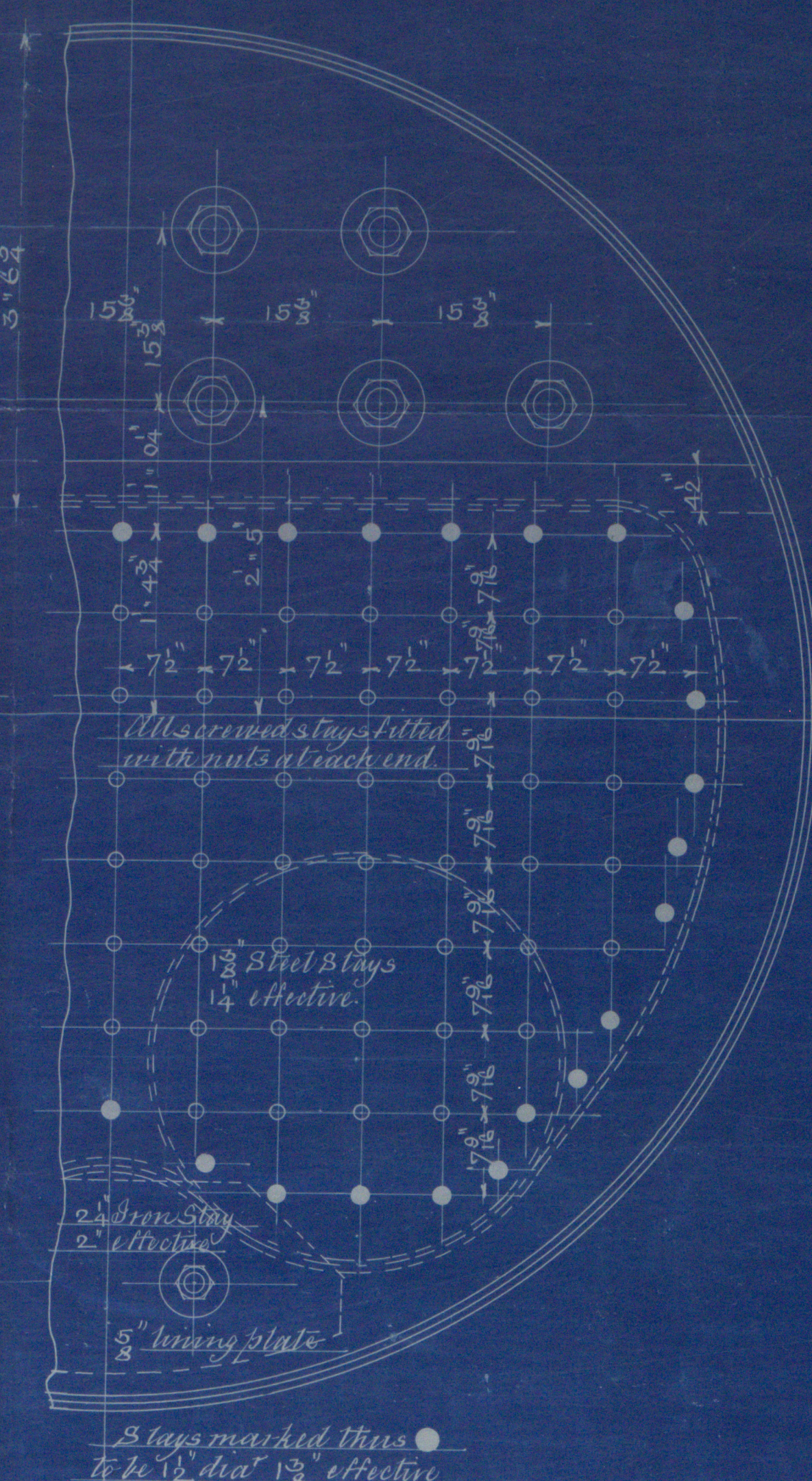
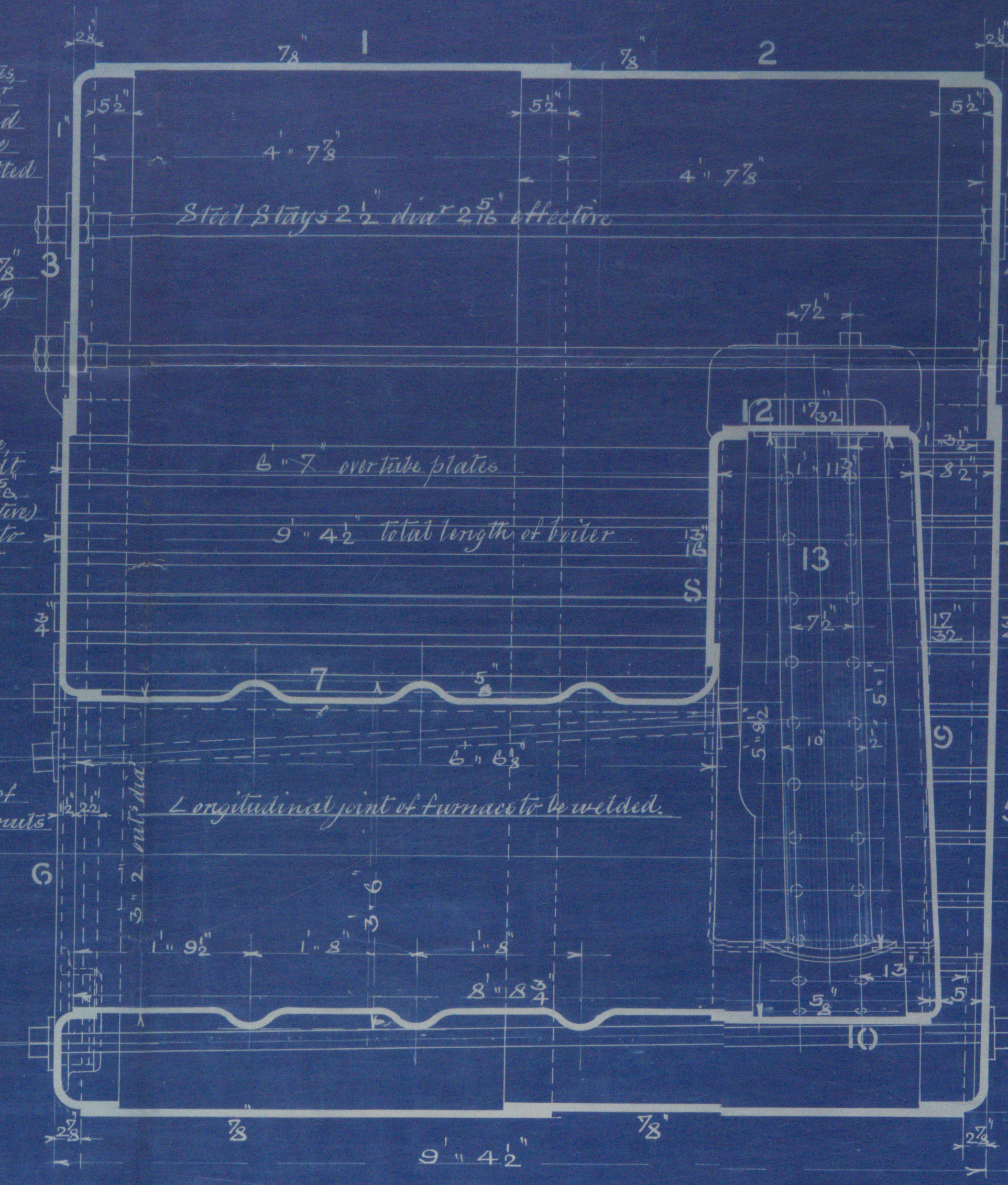


Stays to be screwed into both plates front end to be drilled to 2 1/2" dia, and fitted with 2 1/2" nuts, back end to be fitted with 2 1/2" nuts, inside nuts to be 1" thick. Stays to be fitted with 7" washers 3/8" thick.

Double Girders Stays 6" x 7/8" Fitted with two supporting rolls 1 3/8" dia 7/2" plan

Tubes 3 1/2" dia, outside, and drilled to 3 1/8" at front end. Stay tubes 1/2" thick in body (4 effective) and screwed at ends to 3 1/2" and 3 3/4" dia

All screwed stays to be of steel and fitted with nuts at each end



All screwed stays fitted with nuts at each end

13 Steel Stays 1 1/4" effective

Stays marked thus to be 1 1/2" dia 1 3/8" effective



STEEL BOILER NO

1/2" London
 Name Report No: 7620
 3/4" Magnetic
 Name Report No: 7079

290-91

10' 6" OUTS DIA 9' 4 1/2" TOTAL LENGTH
 150 LBS PRESS PER SQ IN

CHARLES D. HOLMES & CO
 ENGINEERS & BOILER MAKERS

HULL 3/2/90

HULL 403-0122