

1.9.05

# DIMENSIONS.

LENGTH OF FIRE BARS	3 1/4
AREA OF FIRE GRATE	6 - 4 1/2
DIAM OF TUBES OUTSIDE	160
LENGTH OF TUBES	160
NO OF TUBES	160
SURFACE OF TUBES	872
TOTAL HEATING SURFACE	1020
WORKING PRESSURE	180

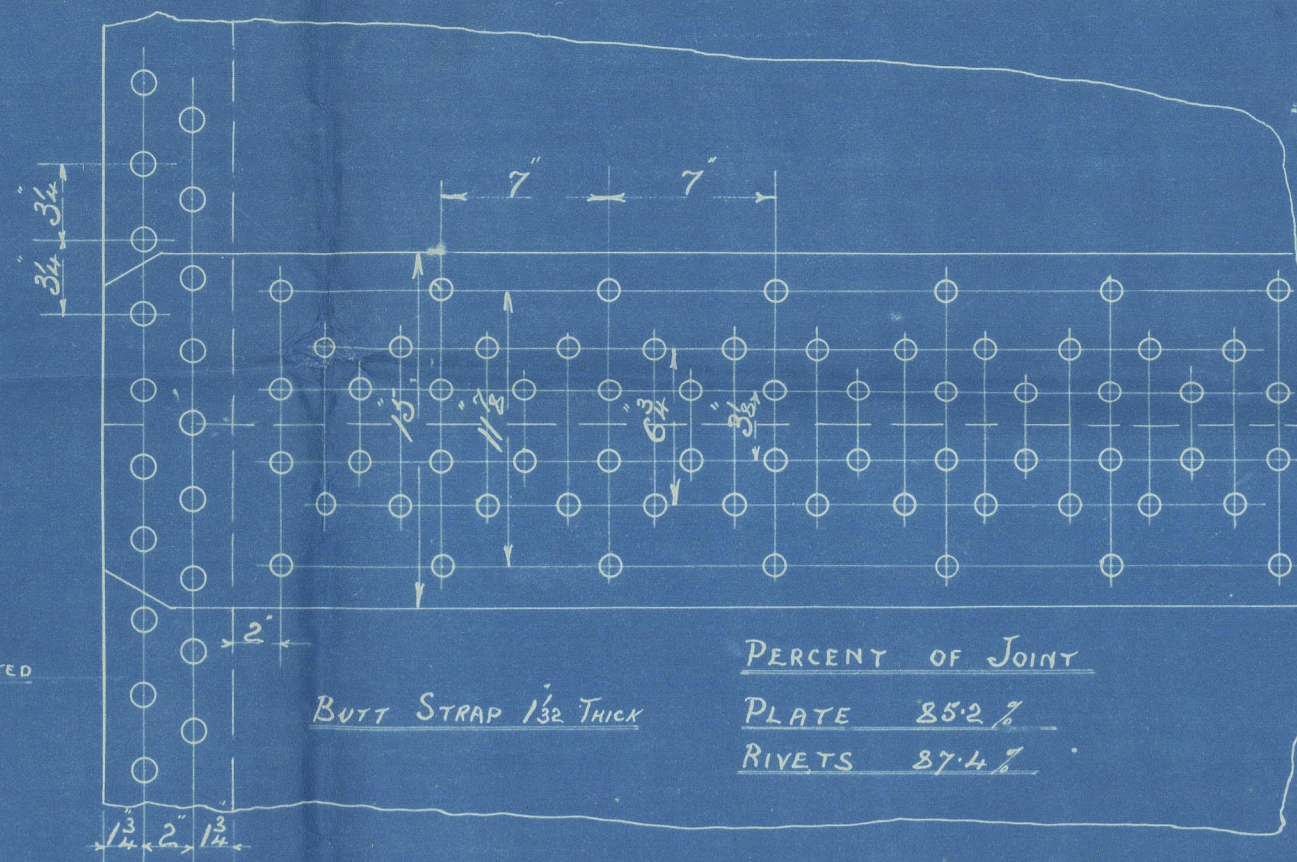
## PARTICULARS OF RIVETING

**SHELL** LONGITUDINAL JOINT TO BE TREBLE RIVETED DOUBLE BUTT JOINT. HOLES DRILLED 1 1/2 DIA 7 PITCH. CIRCUMFERENTIAL SEAMS TO BE DOUBLE RIVETED LAP JOINTS. HOLES DRILLED 1 1/2 DIA 3 1/4 PITCH.

**FURNACES** TO BE SINGLE RIVETED BY BACK & BOTTOM HALF FRONT. TOP HALF OF FRONT DOUBLE RIVETED.

**COMB CHAMBERS** BOTTOM & SIDES TO LEVEL OF FURNACE TOPS. TO BE DOUBLE RIVETED. REST TO BE SINGLE RIVETED.

**END PLATES** CROSS SEAMS TO BE DOUBLE RIVETED.



## PERCENT OF JOINT

PLATE 85.2  
RIVETS 87.4

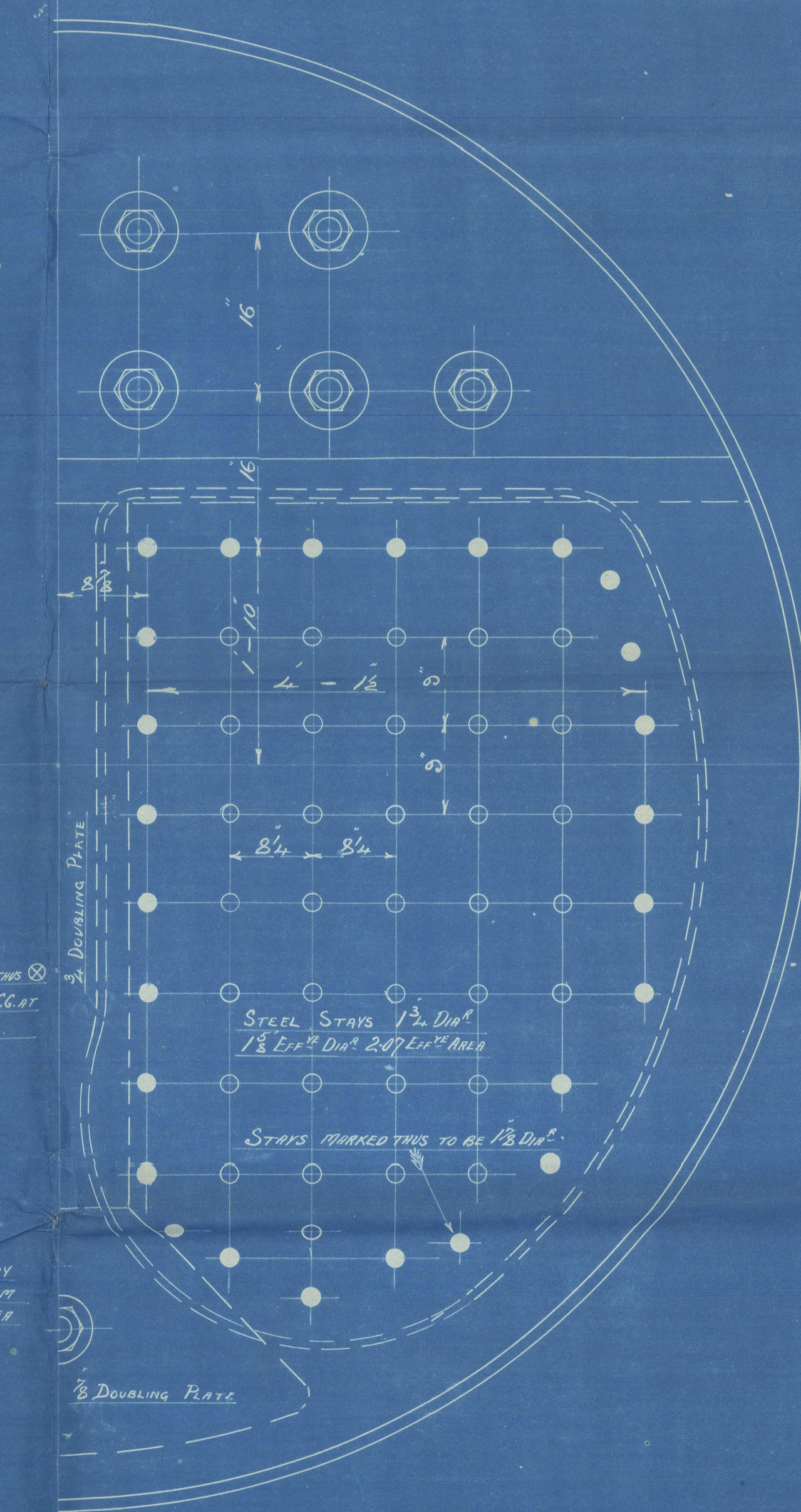
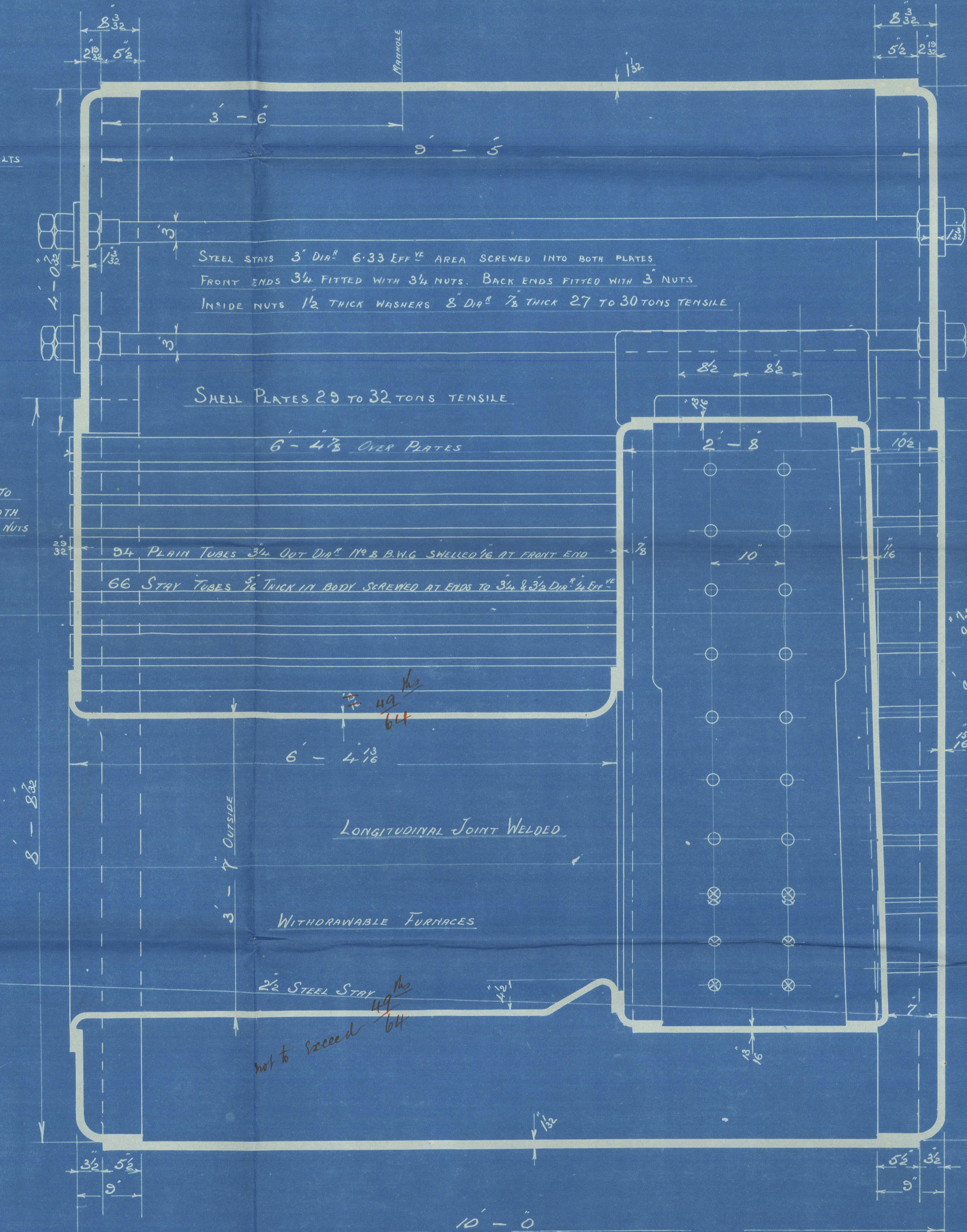
MARHOLE IN SHELL 16x12  
LINED INSIDE WITH 1/2 PLATE 7 BROAD

GIRDER STAYS, DOUBLE IRON 7/8 THICK  
3' DEEP 3 PITCH. FITTED WITH 3 SUPPORTING BOATS  
1 1/2 DIA 2.07 EFF AREA 8 1/2 PITCH

LINING PLATE TO BE FITTED  
BETWEEN TUBE NESTS

COMB CHAMBERS  
TO BE FITTED WITH STAYS  
1 1/2 DIA 1 1/2 EFF DIA  
2.4 EFF AREA

ALL SCREW STAYS TO  
BE SCREWED INTO BOTH  
PLATES & FITTED WITH NUTS  
AT BOTH ENDS



CHARLES D HOLMES & CO  
ENGINEERS & BOILER MAKERS  
Aug 23rd HULL 1805

STEEL BOILER NO 780-1

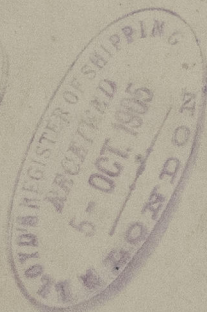
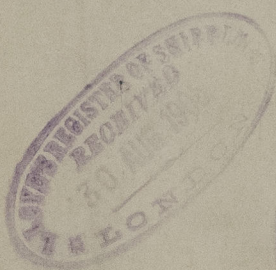
Handwritten notes and signatures, including "Jas Barclay" and "S.M."

LLOYD'S REGISTER  
OF SHIPPING  
23 AUG 1905  
HULL

Messrs  
Charles D. Holmes & Co.

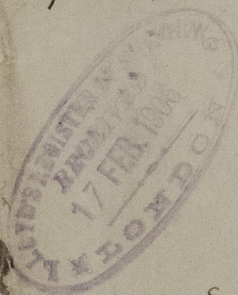
No 780. 781

W Kg. press  
780 lb



780. Sc. K. Abronia.

Hull Report No. 17581



781 Sc. K. Bromelia

Hull Report No. 17582

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