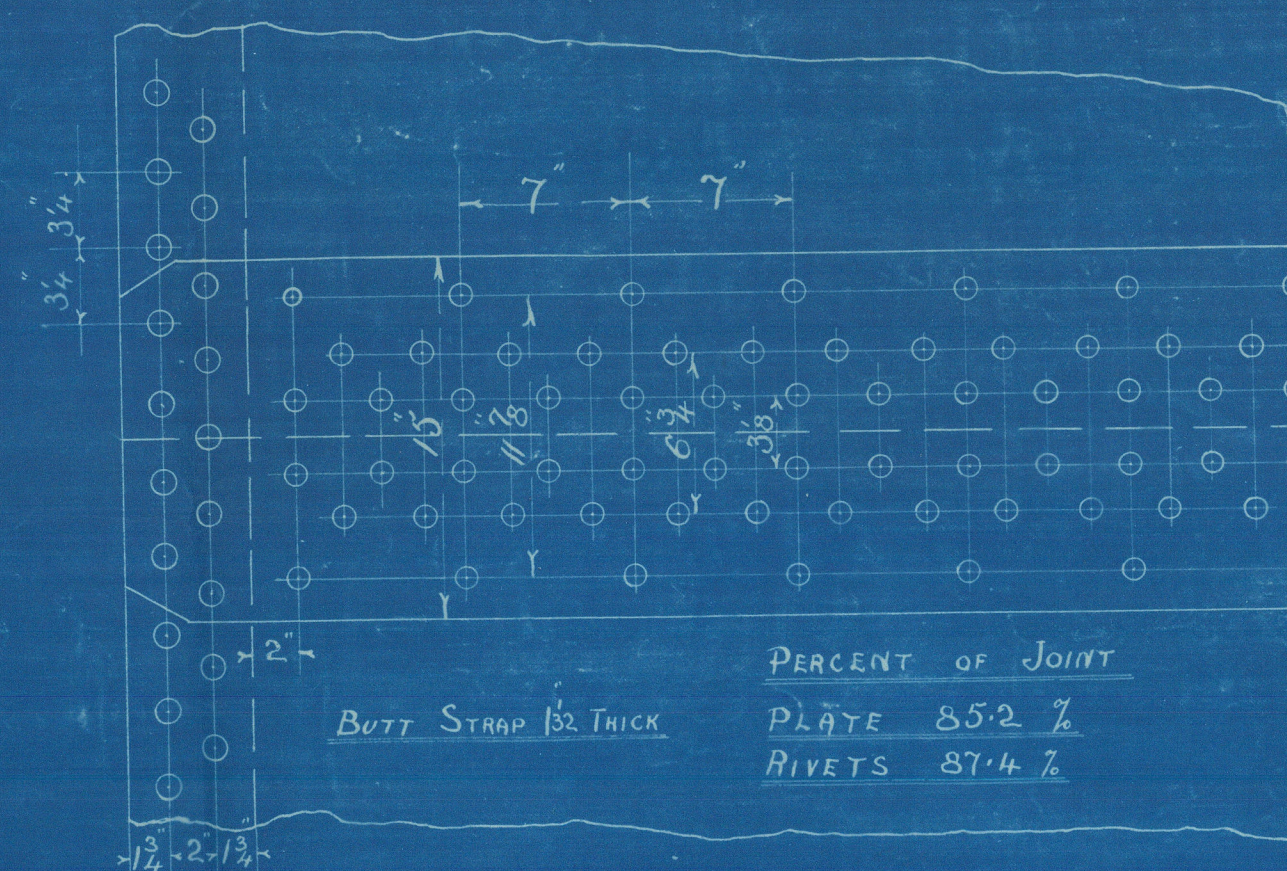


2. 11. 05

# DIMENSIONS.

LENGTH OF FIRE BARS	
AREA OF FIRE GRATE	34
DIAM OF TUBES OUTSIDE	6-4
LENGTH OF TUBES OVER PLATES	174
NO OF TUBES	317 #
SURFACE OF TUBES	1135 #
TOTAL HEATING SURFACE	
WORKING PRESSURE	180 lb

**PARTICULARS OF RIVETING.**  
**SHELL** LONGITUDINAL JOINT TO BE TRIPLE RIVETED DOUBLE BUTT JOINT HOLES DRILLED 1/32 DIA 7 PITCH  
 CIRCUMFERENTIAL SEAMS TO BE DOUBLE RIVETED LAP JOINTS HOLES DRILLED 1/32 DIA 3 1/4 PITCH  
**FURNACES** FRONT & BACK ENDS TO BE SINGLE 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



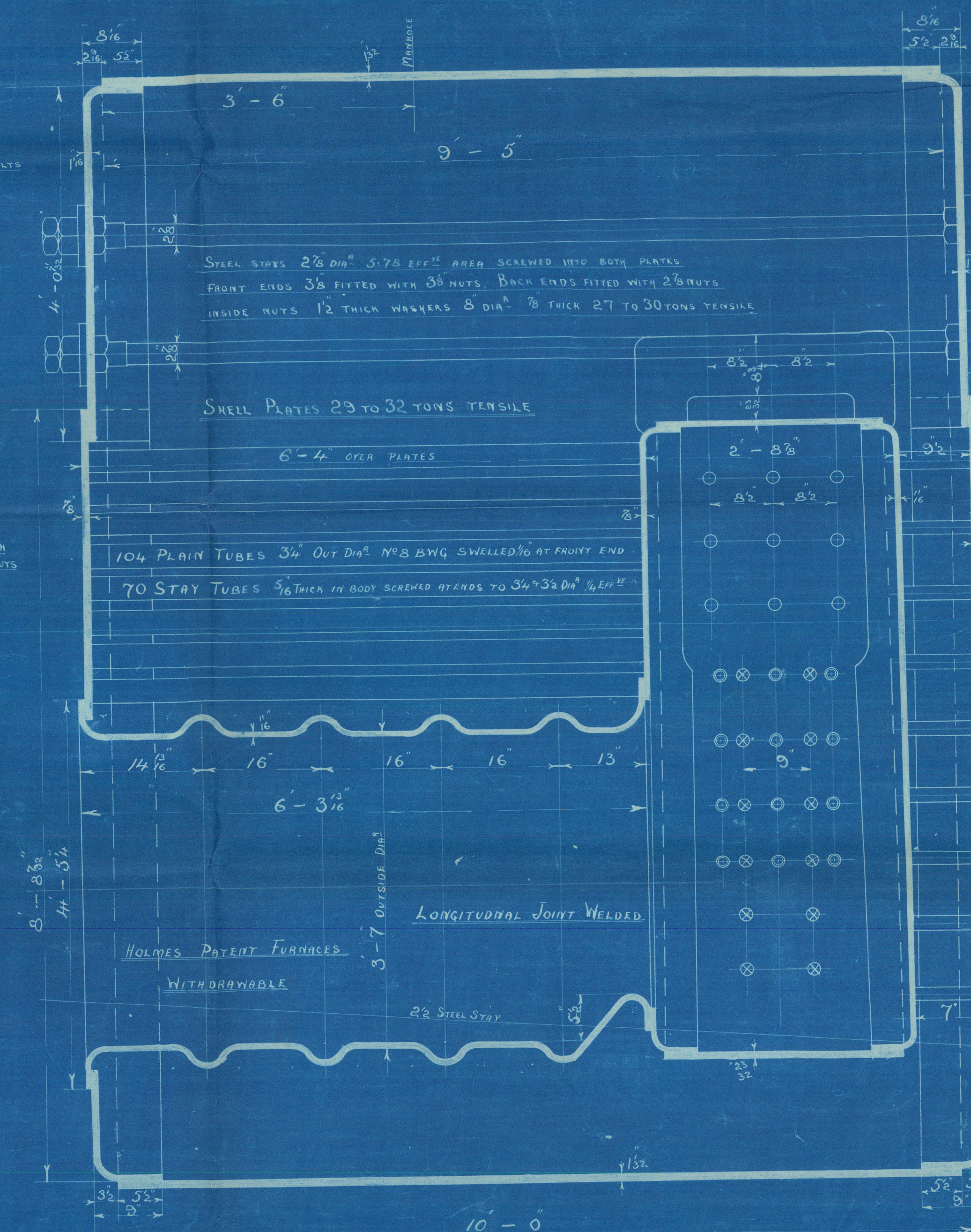
MANHOLE IN SHELL 16X12  
 LINED INSIDE WITH 1/2" PLATE 7 GAUGE

**GIRDER STAYS** DOUBLE IRON 3/8 THICK  
 63 DRIP 3 PITCH FITTED WITH 3 SUPPORTING BOLTS  
 1 3/4 DIA 2-07 EFF AREA 8 1/2 PITCH

**21 PITCHES**  
 21 PITCHES

**COMB CHAMBERS**  
 TO BE FITTED WITH STAYS  
 1 3/4 DIA 1 1/8 EFF DIA  
 2-07 EFF AREA

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



STAYS MARKED THIS TO BE BETWEEN C.C. AT CENTRE

STAYS MARKED THIS TO BE BETWEEN C.C. AT SIDES & SHELL

2 1/2 STEEL STAY 2 1/2 EFF DIA 4-36 AREA

CHARLES D HOLMES & CO  
 ENGINEERS & BOILER MAKERS  
 HULL

BOILER NO 788

12'-6" OUT DIA X 10'-0" LONG  
 180 LBS W.P.



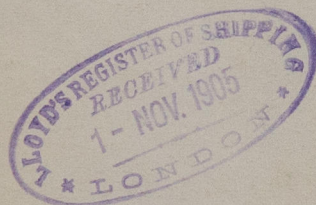


Boiler No 788.

of Umballa

Hull Report No. 17771

No.  
Lloyds Test  
360 lbs.



RETAIN



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Lloyd's Register  
Foundation

W744-0155