

21.2.05

# DIMENSIONS.

LENGTH OF FIRE BARS	
AREA OF FIRE GRATE	
DIAM OF TUBES OUTSIDE	3 1/2
LENGTH OF TUBES	6'-4"
NO OF TUBES	162
SURFACE OF TUBES	870
TOTAL HEATING SURFACE	1096
WORKING PRESSURE	180

## PARTICULARS OF RIVETING

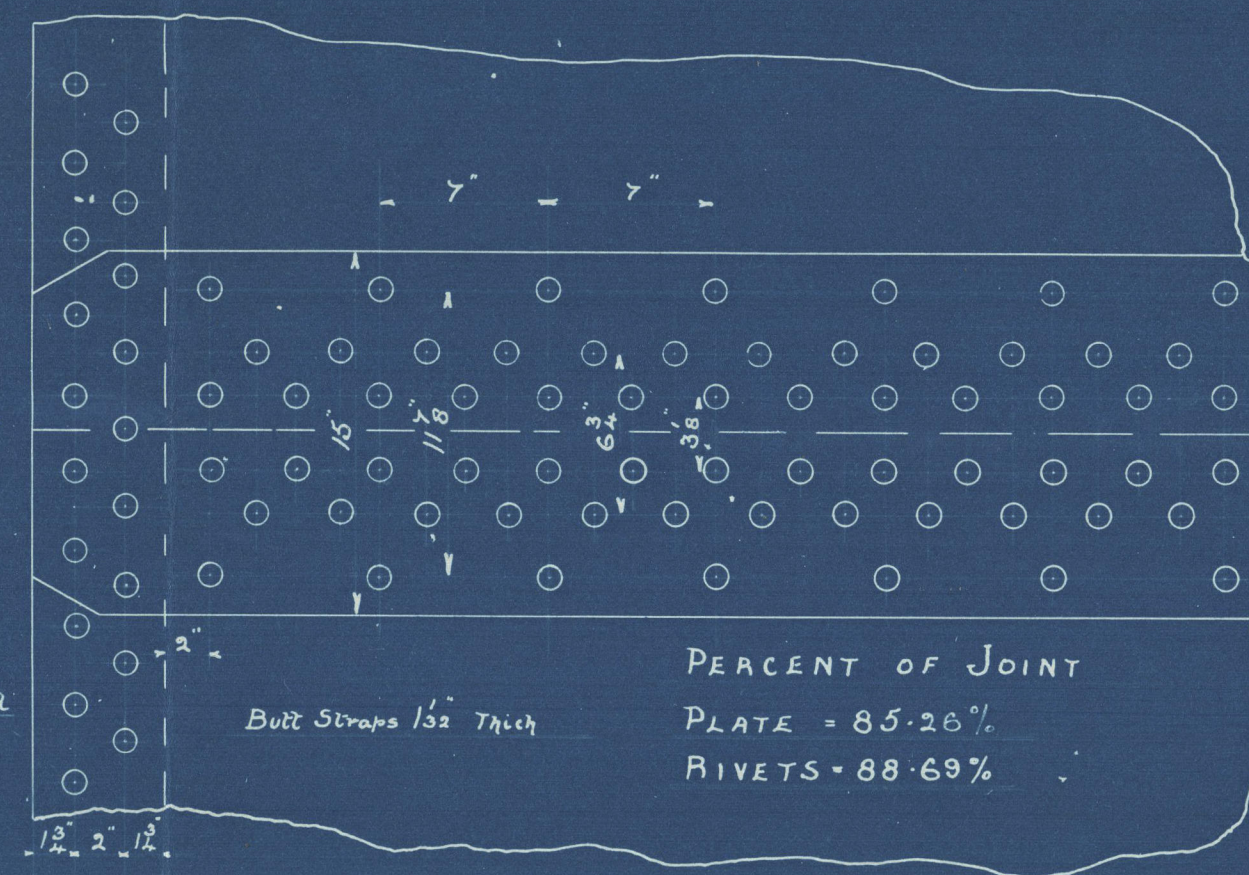
SHELL:- Longitudinal Joint to be treble riveted double Butt  
Joint Holes drilled 1 1/2 dia 7 Pitch  
Circumferential Seams to be double riveted lap Joints  
Holes Drilled 1 3/8 dia 3 1/2 Pitch

FURNACES:- To be single riveted at both 9 bottom half of front top half of front Dbl Riveted

COMB CHAMBERS:- Bottom 9 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 16" x 12"  
Lined inside with 1/2 Plate 7" Broad.



GIRDER STAYS:- Double Iron 8" Thick  
9 Deep 8 1/2 Pitch fitted with 3 supporting bolts  
1 1/2 dia 2.07 Eff Area 8 1/2 Pitch

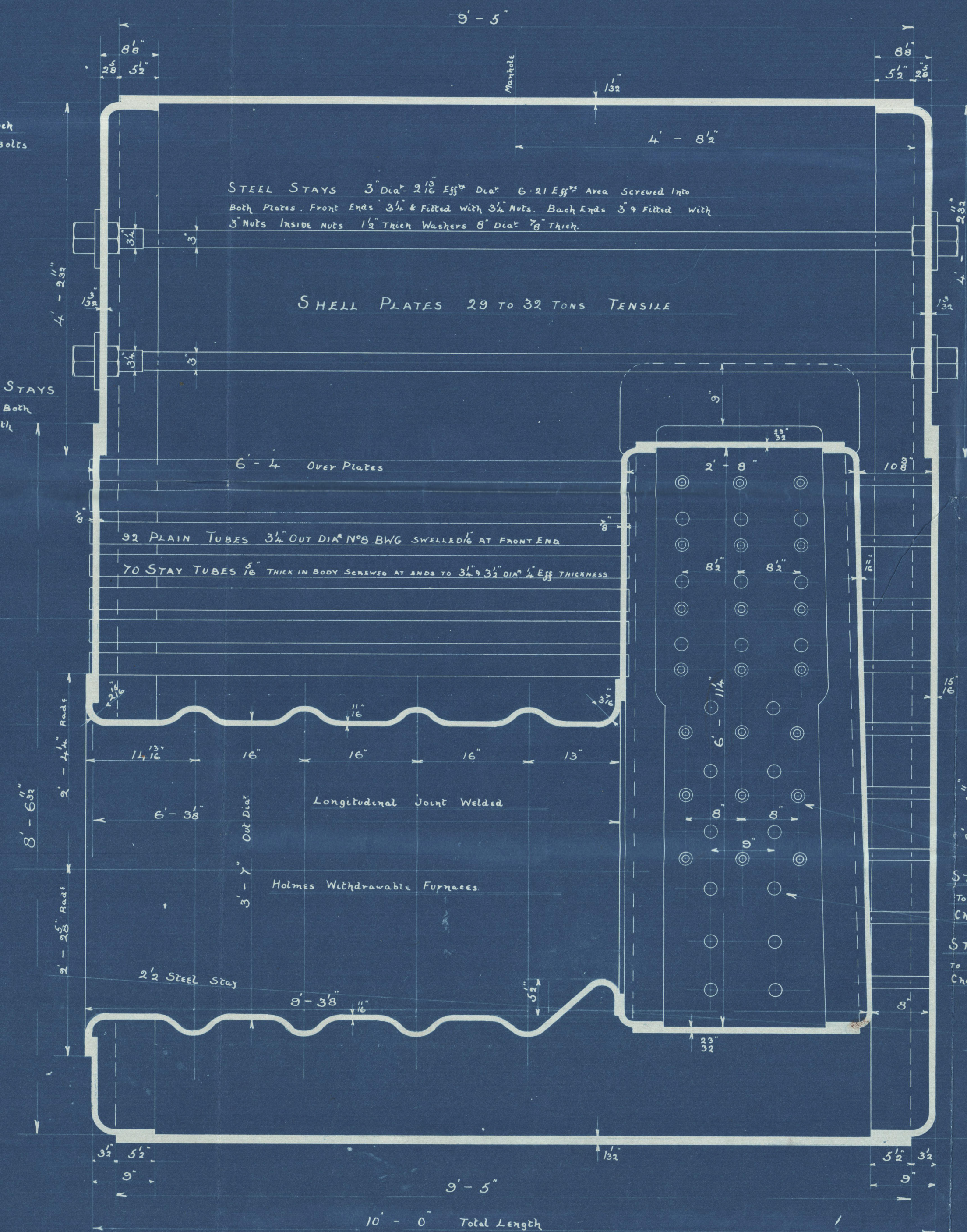
DOUBLING PLATES:- To be fitted  
between tube nests

COMB CHAMBERS:-  
To be fitted with stays  
1 1/4 dia 1 1/2 Eff dia  
2.07 Eff Area

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

STEEL STAYS 3" Dia 2 1/2 Eff Dia 6.21 Eff Area Screwed into  
Both Plates. Front Ends 3/4" & Fitted with 3/4" Nuts. Back Ends 3" Fitted with  
3 Nuts Inside nuts 1 1/2" Thick Washers 8" Dia 7/8 Thick

SHELL PLATES 29 TO 32 TONS TENSILE



STAYS - Marked  
To be Between Comb  
Chambers At Centre  
STAYS - Marked  
To be Between Comb  
Chamber & Shell

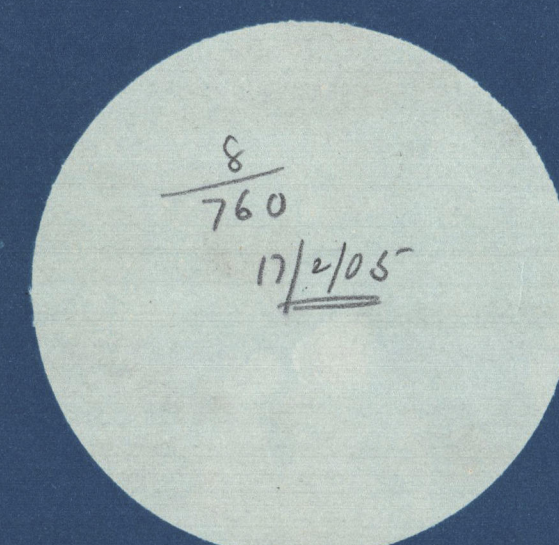
2 1/2 STEEL STAY  
2 3/4 Eff Dia  
4.36 Area

Steel Stays 1 1/2" Dia  
1 1/2 Eff Dia 2.07 Eff Area  
Stays Marked Thus  
To be 1 1/2" Dia

CHARLES D HOLMES & CO  
ENGINEERS & BOILER MAKERS  
HULL

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

BOILER N° 760



88M  
21.2.05  
21.2.05



W15-0159



Boiler No 760  
Messrs  
Charles D. Holmes &  
S. K. Emerald

W75-0159

No 1348  
Lloyds Test  
36 olbs  
18.5.05  
J. B



Hull Report No. 16896.



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Foundation