

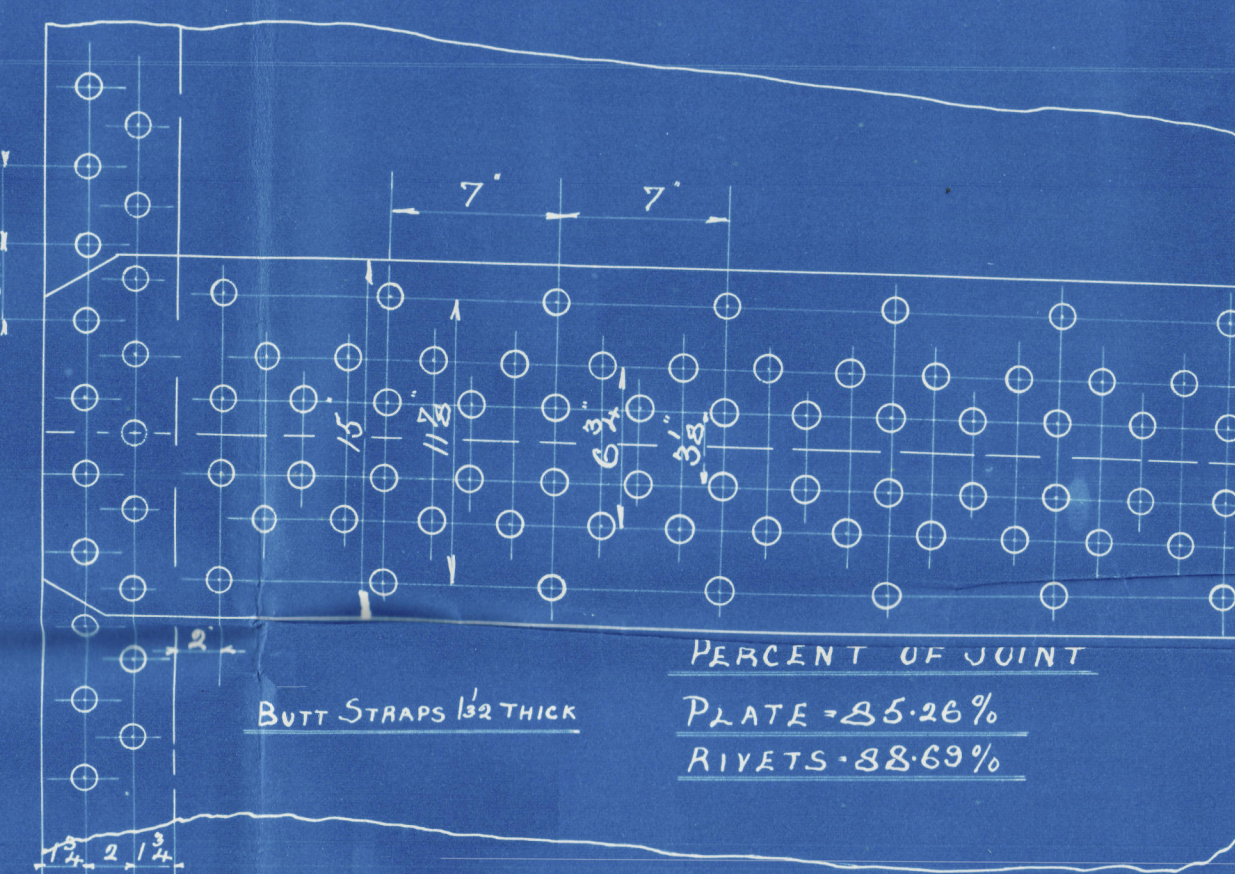
3: 7: 05.

LENGTH OF FIRE BARS	
AREA OF FIRE GRATE	
DIAM OF TUBES OUTSIDE	3 1/2
LENGTH OF TUBES	OVER PLATES 6' 4"
NO OF TUBES	164
SURFACE OF TUBES	sq ft 884
TOTAL HEATING SURFACE	sq ft 1110
WORKING PRESSURE	lbs 180

SHELL:- LONGITUDINAL JOINT TO BE TRIPLE RIVETED DOUBLE BUTT JOINT HOLS DRILLED $\frac{1}{32}$ DIA 7" PITCH.

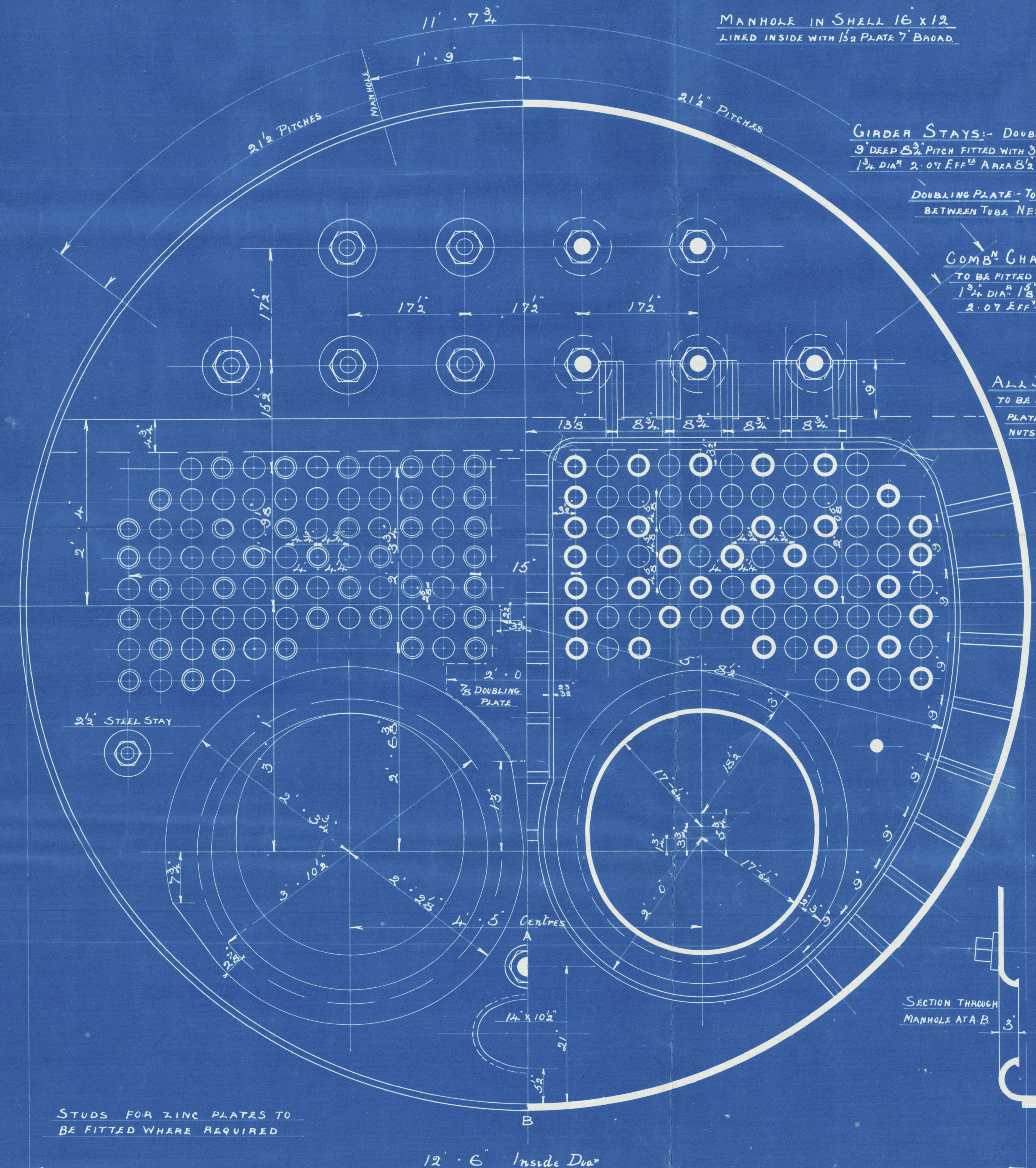
CIRCUMFERENTIAL SEAMS TO BE DOUBLE RIVETED LAP JOINTS HOLS DRILLED $\frac{1}{32}$ DIA 3 1/4" PITCH

FURNACES:- TO BE SINGLE RIVETED AT BACK & BOTTOM HALF OF FRONT.
TOP HALF OF FRONT TO BE DOUBLE RIVETED
COMBⁿ CHAMBERS:- BOTTOM & SIDES TO 2 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 = 85.26%
RIVETS = 88.69%

MANHOLE IN SHELL 16' X 12'
LINED INSIDE WITH 1/2" PLATE 7' BROAD.

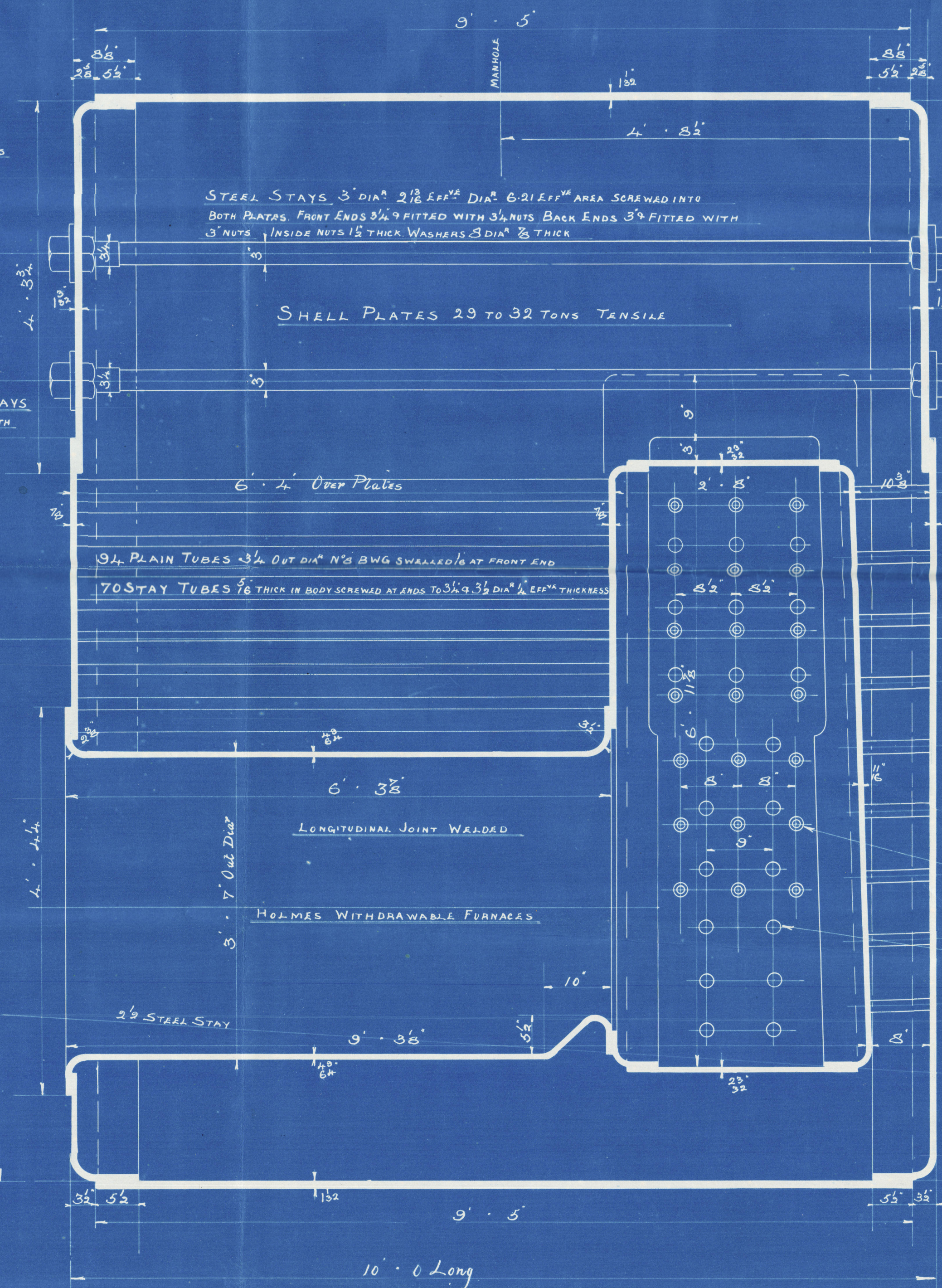


GIRDER STAYS:- DOUBLE I² 180² THICK
9' DEEP 8³/₄ PITCH FITTED WITH 3 SUPPORTING BOLTS
1³/₄ DIA 2.07 EFF¹² AREA 8³/₄ PITCH

DOUBLING PLATE:- TO BE FITTED
BETWEEN TUBE NESTS

COMB^N CHAMBERS:
TO BE FITTED WITH STAYS
1 3/4" DIA^N - 1 5/8" EFF^{YK} DIA^N
2.07 EFF^{YK} AREA

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



STEEL STAYS 3" DIA. 2¹³ EFF^{1/2} DIA. 6.21 EFF^{1/2} AREA SCREWED INTO BOTH PLATES. FRONT ENDS 3/4" 9 FITTED WITH 3/4" NUTS. BACK ENDS 3/4" FITTED WITH 3" NUTS. INSIDE NUTS 1/2" THICK. WASHERS 3" DIA. 3/8" THICK

SHELL PLATES 29 TO 32 TONS TENSILE



6' 4" Over Plates

S 3 1/4 OUT DIA" N°3 BWG SWALLED 1/8 AT FRONT END

S 16 THICK IN BODY SCREWED AT ENDS TO 3 1/4 x 3 1/2 DIA" 1/4 EFF^{VA} THICKNESS

LONGITUDINAL JOINT WELDED

HOLMES WITHDRAWABLE FURNACES

STAYS :- MARKED  
TO BE BETWEEN COMB^N
CHAMBERS AT CENTRE

STAYS :- MARKED
TO BE BETWEEN CON
CHAMBER & SHELL

2' 2" STEEL STAY
2 3/4" EFF. DIA.
4.36 - AREA

STEEL STAYS $1\frac{3}{4}$ DIA^R
 $1\frac{5}{8}$ EFFTM DIA^R 2.07 EFFTM AREA

STAYS MARKED THUS
TO BE 1/8 DIA"

4 DOUBLING

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

STEEL BOILER № 775

CHARLES D. HOLMES & CO
ENGINEERS & BOILER MAKERS
HULL 20.6.05

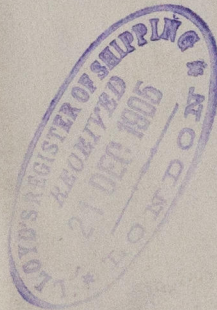
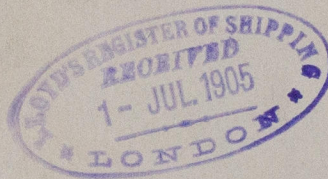
Boiler No 775



S. K. Belooas
Hull Report No. 17543

No 1429.
Lloyds Test
360 lbs
30-11-05
J.B

RETAIN



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Lloyd's Register
Foundation

W950-0052