

CIRCUMFERENTIAL JOINT.
 $\frac{7}{8}$ " DIA. RIVETS, $\frac{15}{16}$ " DIA. HOLES
109 RIVETS IN EACH CIRCLE.
PITCH = $3\frac{1}{2}$ "

23"
32 MANHOLE COMPENSATING PLATE
7/8" DIA. RNETS, 15/16" DIA. HOLES.

COMB. CHAM. WING & CENTRE STAYS (STEEL)
1 1/2" DIA^R, SCR^O 9 THREADS PER IN.
WING STAYS NUTTED INSIDE ONLY
CENTRE " " ON BOTH ENDS

LONGITUDINAL JOINT

TREBLE RIVETED, 3 RIVETS IN PITCH, $\frac{7}{8}$ RIVETS, $\frac{15}{16}$ " HOLES, $4\frac{13}{16}$ " MAX. PITCH.

DOUBLE BUTT STRAPS $\frac{1}{2}$ " TH. OUTER, $\frac{5}{8}$ " TH. INNER, PLATE $\sigma = 80.5$, RIVET $\sigma = 92$.

ALL RIVET HOLES DRILLED IN PLACE & MACHINE RIVETED WHERE PRACTICABLE.

$9'-11\frac{1}{2}"$

BACK COMB. CHAMB. STAYS (STEEL)
SCREWED 9 THDS. PER IN.
STAYS MARKED © 1 5/8" DIA. NUTTED BOTH ENDS
" " O 1 1/2" DIA. " INSIDE ONLY

HEATING SURFACE	
TUBES	807 $\frac{1}{2}$
COMB. CHAMBERS	123 $\frac{1}{2}$
FURNACES	76 $\frac{1}{2}$
TOTAL	1006 $\frac{1}{2}$

WALLSEND - HOWDEN OIL FUEL SYSTEM.

RETURN TUBE BOILER FOR JOB N° 490.
10'-0" INT. DIA. X 10'-3" MEAN LENGTH, 140 LBS. PER SQ. IN. W.P.

SCALE:- ONE INCH = ONE FOOT.

LLOYD'S SURVEY.

10/3/24
JH

FLEMING & FERGUSON, LTD.

Boiler No. 490.

W.P. / 40 LBS.

GLASGOW REPORT No. 46813

RETAIN

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