

5900-11M
063

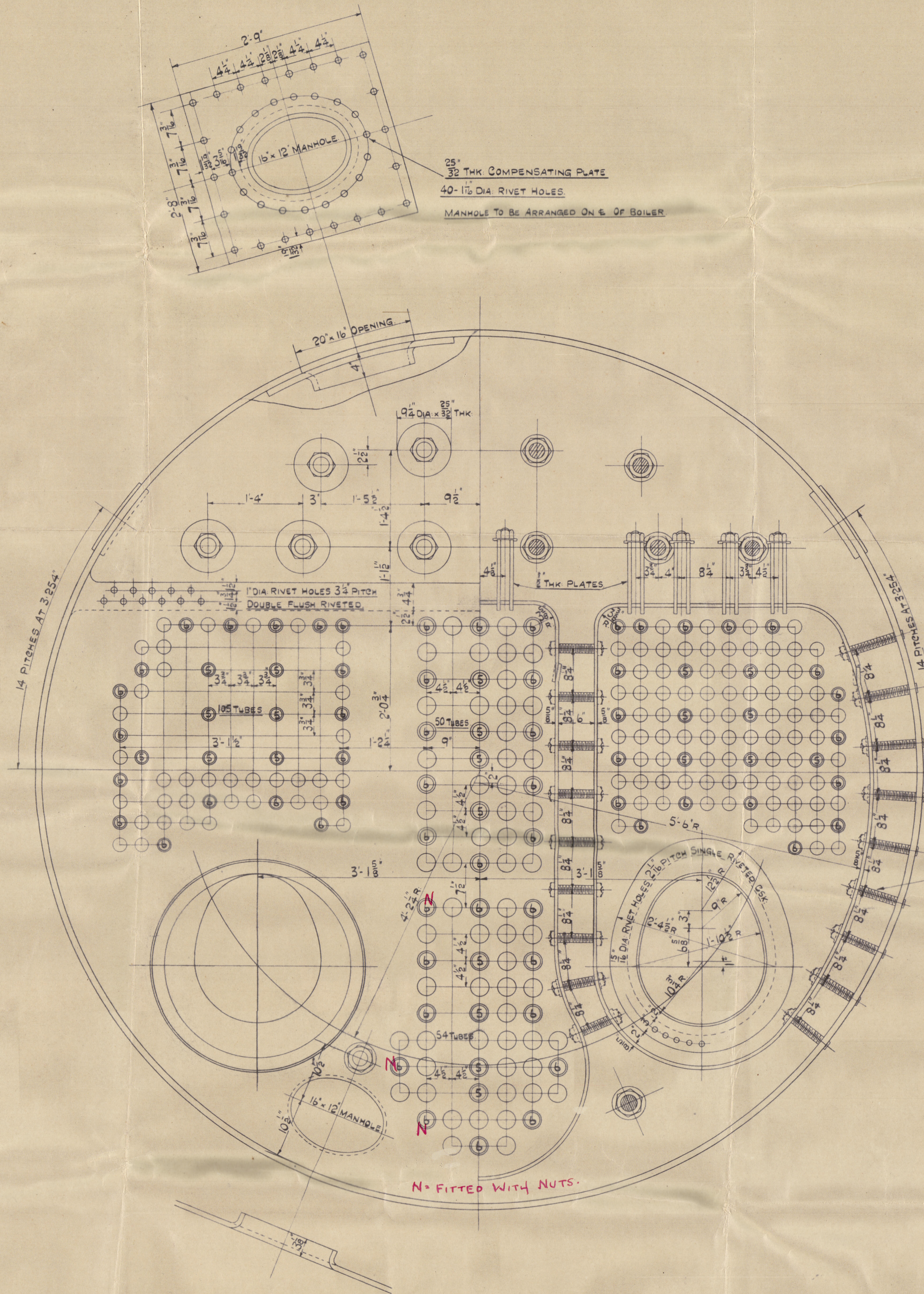
WASTE HEAT SECTION	
HEATING SURFACE	SQ. FT.
104 TUBES 3/4" EXT. DIA. X 8'-1" B.T.P.	715
COMBUSTION CHAMBER TOP & SIDES	51
" " BACK	17
BACK TUBE PLATE	11
TOTAL 1 BOILER	794

HEATING SURFACE	
HEATING SURFACE	SQ. FT.
210 TUBES 2 1/2" EXT. DIA. X 8'-1" B.T.P.	1112
FURNACES	88
COMBUSTION CHAMBER TOP & SIDES	76
" " BACKS	41
BACK TUBE PLATES	27
TOTAL 1 BOILER	1344

WORKING PRESS: - 150 LBS./D.
TEST: - 275 " LLOYD'S SURVEY
OIL FUEL ONLY.

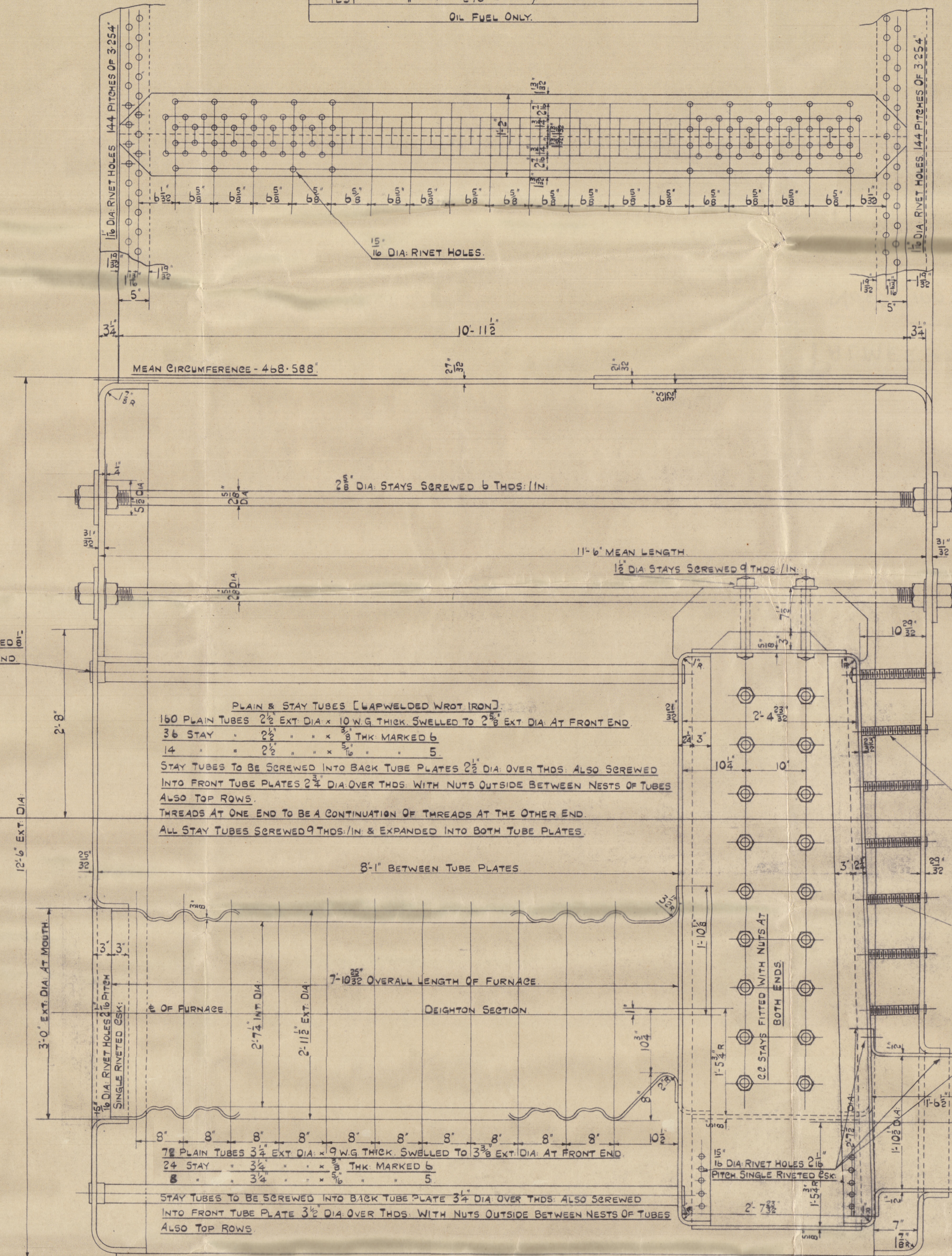
SHELL RIVETING ETC.
DOUBLE BUTT STRAP JOINTS
SHELL PLATE - 25' 32' INNER BUTT STRAP - 25' 32' OUTER BUTT STRAP 32'
RIVET HOLES - 15' DIA. GREATEST PITCH - 6 5/8"
PLATE SECTION - 85.8 RIVET SECTION - 91.7 W.P. - 152.5 LBS./D.
TENSILE STRENGTH OF SHELL PLATE - 29-33 TONS/D.
" " FURNACES & COMB. CHAMBER PLATES - 26-30 TONS/D.
" " GIRDERS - 29-33 TONS/D.
" " END PLATES - 26-30 TONS/D.
" " MANHOLE RING - 26-30 TONS/D.
" " STEAM SPACE & MANHOLE STAYS - 28-32 TONS/D.
" " COMB. CHAMBER STAYS - 26-30 TONS/D.
ALL PLATE EDGES TO BE PLANED & ALL RIVET HOLES TO BE
DRILLED IN PLACE AFTER BENDING.

COMBUSTION CHAMBER STAYS MARKED THUS ● ARE 1 1/2" DIA. NUTS 1" DEEP.
ALL COMBUSTION CHAMBER STAYS SCREWED 9 THDS./INCH & NUTTED
WHERE STATED.



PLAIN TUBES SWELLED 6
LARGER AT FRONT END

20 STAYS FITTED WITH NUTS
AT INNER ENDS ONLY OUTER
ENDS TO BE RIVETED OVER.



STAYS SCREWED AT RIGHT
ANGLES TO C.C. BACK.

20 STAYS IN NESTS TO BE
RIVETED OVER AT BOTH ENDS.
MARGINAL STAYS TO BE FITTED
WITH NUTS AT INNER ENDS ONLY
OUTER ENDS TO BE RIVETED OVER.

ACCESS DOOR
16-3/4" DIA BOLTS 2-3" P.C. DIA.

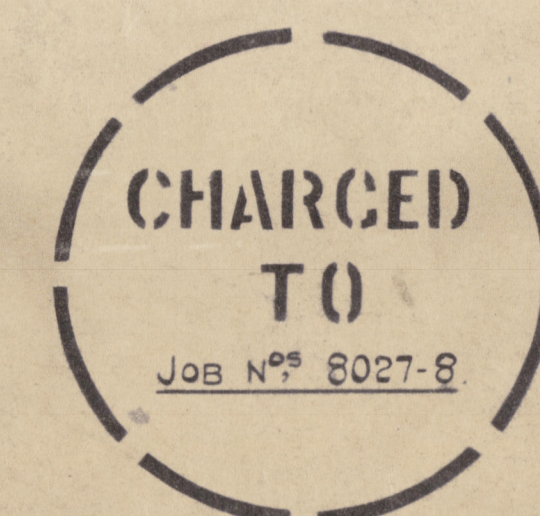
28" DIA STAY SCREWED 6 THDS./IN.

AUXILIARY BOILER.

1-OFF

SCALE: - 1" = 1 FOOT.

ALL MATERIAL STEEL
EXCEPT WHERE OTHERWISE STATED.



K.M.P.
2/27/30



JOB NOS 8027-8.

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N° 32237

PALMERS BOILER

No's. 1003-4

W11-0063

W.P. 150 LBS.

Palmer Boiler No 802788

NEWCASTLE ON TYNE.

Report No. 86 507 + 10

M.V. "BRITISH STRENGTH"

NEWCASTLE ON TYNE.

Report No. 87116

BUNDERLAND RPT. NO. 30561

"British Science."

New Report No. 86769.

M.V. "BRITISH SPAREBOAT"

NEWCASTLE ON TYNE.

Report No. 86895

Palmer 100314



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