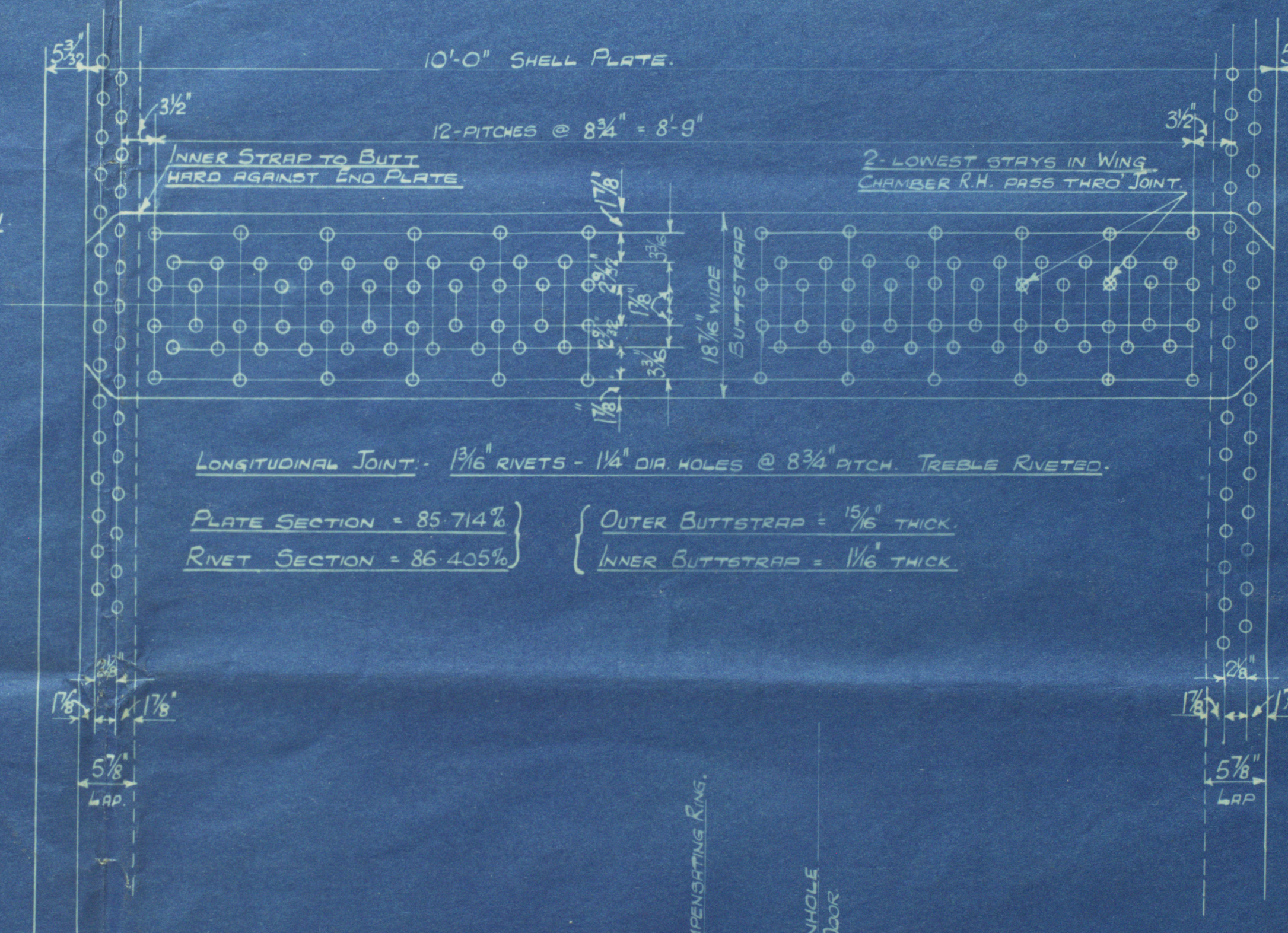
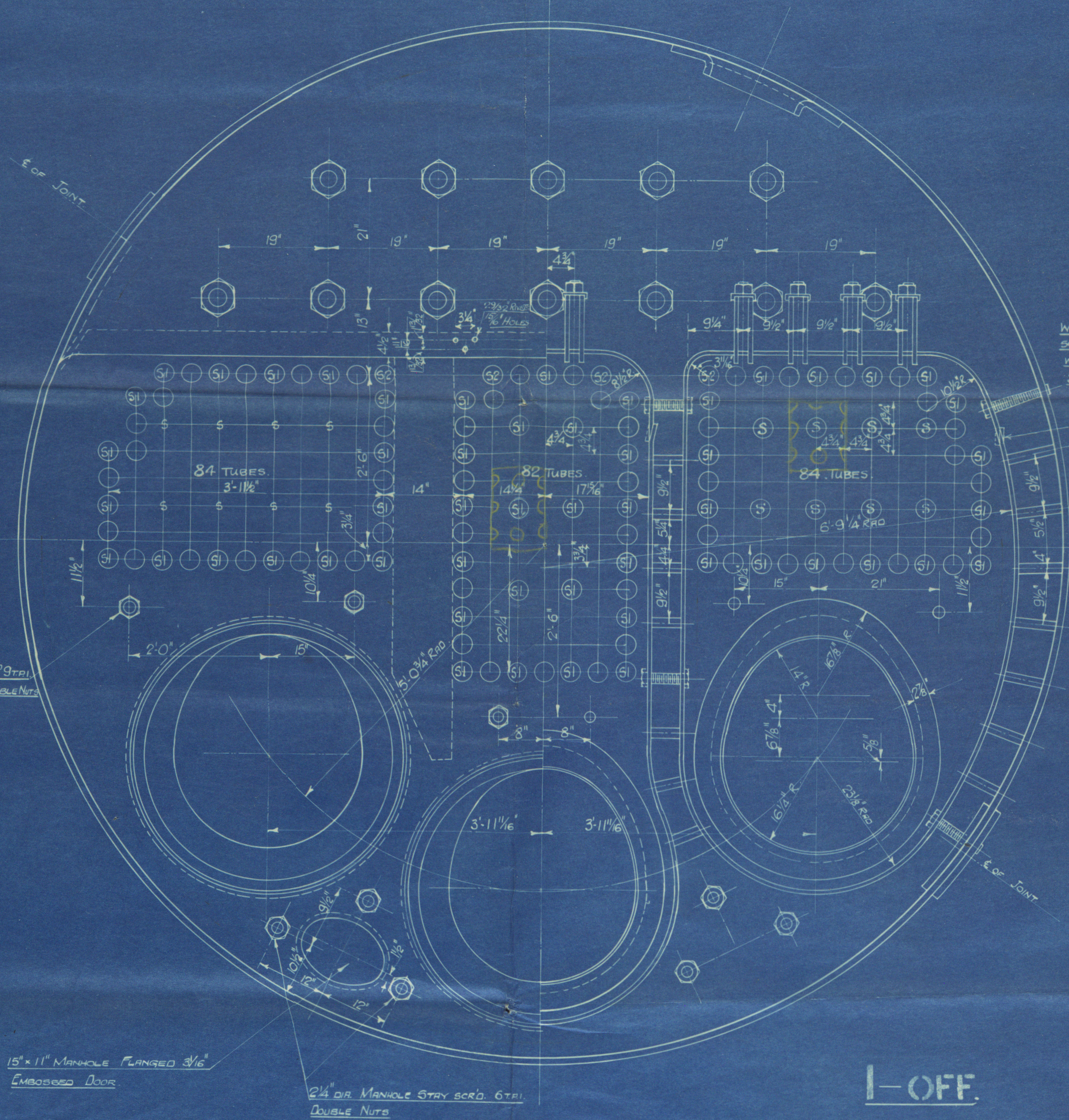


CIRCUMFERENTIAL JOINT.
 1 1/16" RIVETS, 1 1/4" HOLES @ 3 3/4" PITCH
 PLATE SECTION = 66.66%
 RIVET SECTION = 43.00%

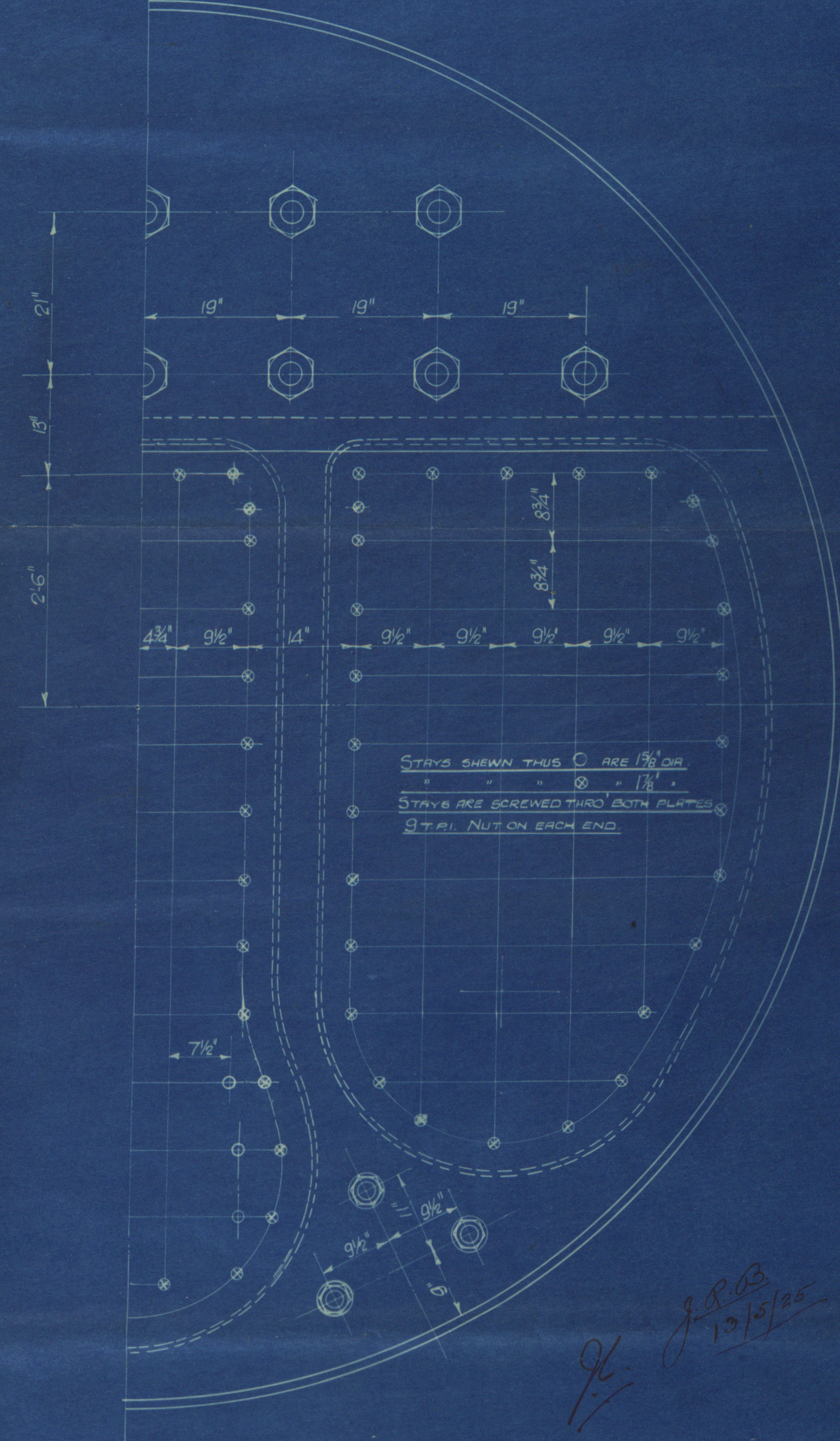
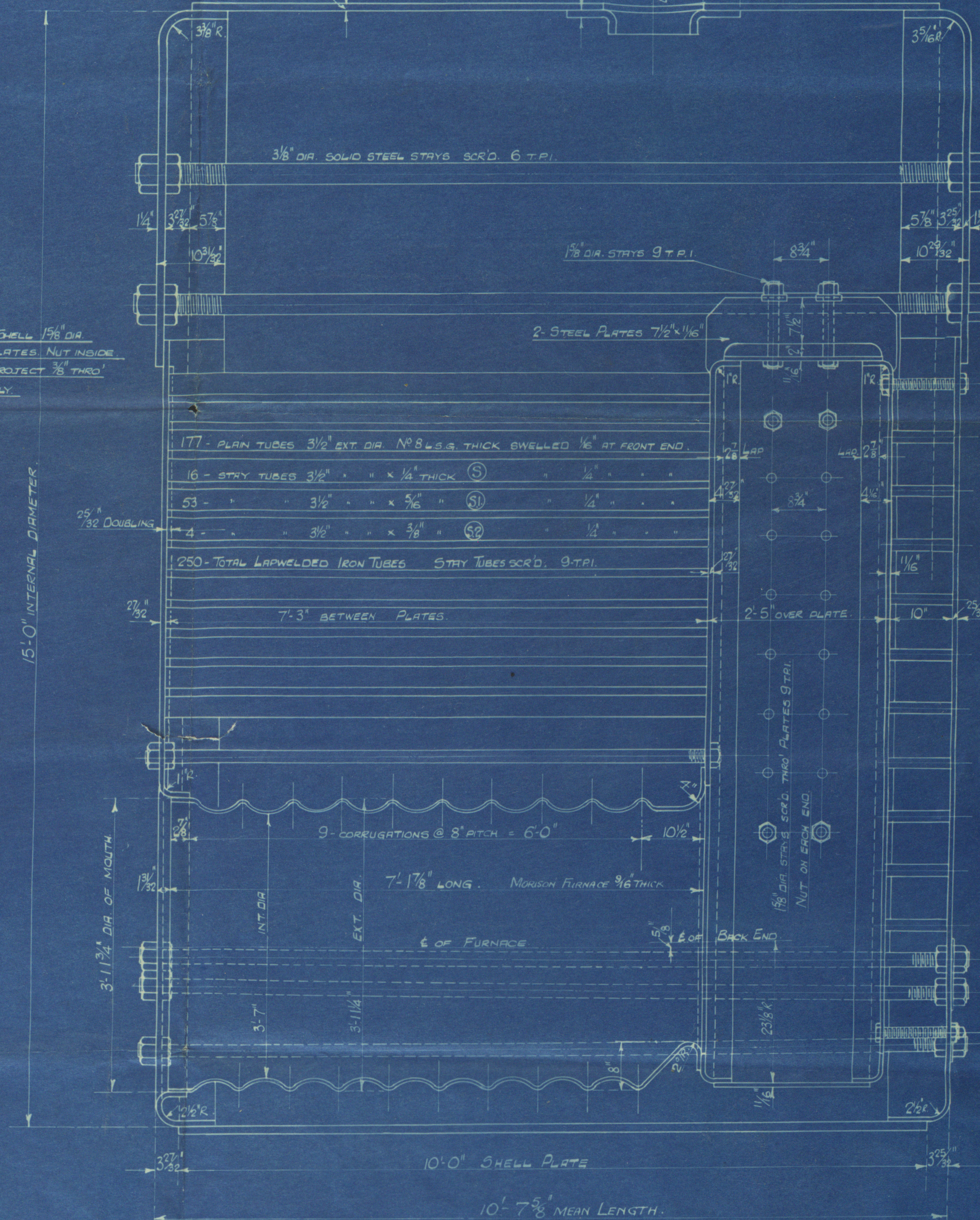


TENSILE STRENGTH OF SHELL PLATES, BUTTSTRAPS & GIRDERS = 28-32 TONS/SQ. INCH.
 " " " LONGITUDINAL STAYS = 28-32 TONS/SQ. INCH.
 ALL OTHER PLATES, FIRMSIES & STAYS = 26-30 TONS/SQ. INCH.
 ALL PLATES, BARS & RIVETS OF STEEL, TUBES OF IRON.
 COMBUSTION CHAMBER & FURNACE RIVETING: 2 3/16" RIVETS, 5/16" HOLES @ 2 1/4" PITCH



WING COME BOX STAYS TO SHELL 1 1/8" OR
 SCRD. STAY SCRD. THRO. PLATES. NUT INSIDE
 WRAPPER. OUTER ENDS PROTECT 3/8" THRO.
 SHELL & ARE CHILLED ONLY.

ONE JOINT IN EACH
 WRAPPER PLATE.



MARINE BOILER 15'-0" INT. DIA. X 10'-6" INSIDE LENGTH X 150 LBS./SQ. W.P.
 LLOYDS SURVEY.

CONTRACT N° B. 738.
 BOILER N° 190. ENGINE N° 620.

SCALE 1" = 1 FOOT

HEATING SURFACE IN 250 TUBES	= 1661 SQ. FT.
" " " 3 FURNACES	= 151 SQ. FT.
" " " 3 COMB. BOXES	= 252 SQ. FT.
TOTAL HEATING SURFACE IN BOILER	= 2064 SQ. FT.
GRATE AREA WITH 6'-0" FIREBARS	= 66 SQ. FT.
AREA THRO' TUBES	= 131 SQ. FT.
RATIO - G.R. HS. 1:3:3. AREA THRO' TUBES: G.R. 1:504.	

W. & A. LLOYD'S & CO. LTD.
 LONDON
 1 MAY 1923
 SHEET
 MARINE BOILER

DRG. N° 1074.



W^m BEARDMORE & Co.

GLASGOW.

BoILER N^o 190

ENGINE N^o 620.

N^o 190.

N^o 16907.

LL0705 TEST.

320 LBS.

W.P. 180 LBS.

17-8-25. H.Y.B.

Audacity

GLASGOW REPORT No. 45185

WS-0031



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Foundation