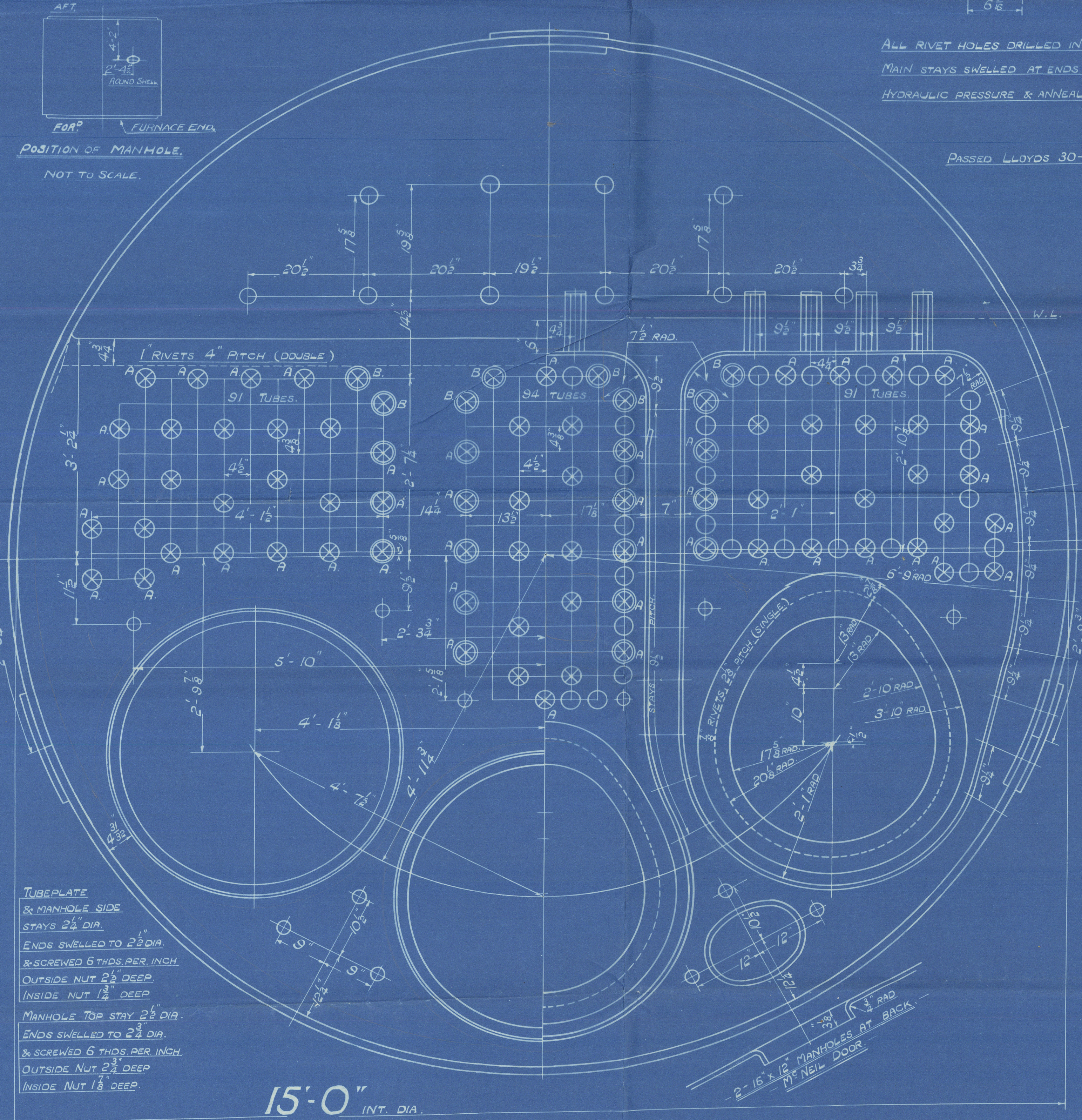


SURFACES	ONE BOILER
TUBES	1603 #
FIREBOX TOP AND SIDES	145 "
" BACK	79 "
" TUBEPLATE	51 "
FURNACES	143 "
TOTAL HEATING SURFACE	2021 #
GRATE AREA (5' O' BARS)	57 1/2 "
TUBE AREA	12.25 "
WATER AREA	141 "
STEAM SPACE	404 #
GRATE AREA : HEATING SURFACE	1 : 35.1
" " : TUBE " "	1 : 27.87
" " : AREA	4.69 : 1
" " : WATER " "	1 : 2.45
" " : STEAM SPACE	1 : 7.02
% BOILER ABOVE FIREBOX	30.2
WEIGHT OF WATER	24 TONS

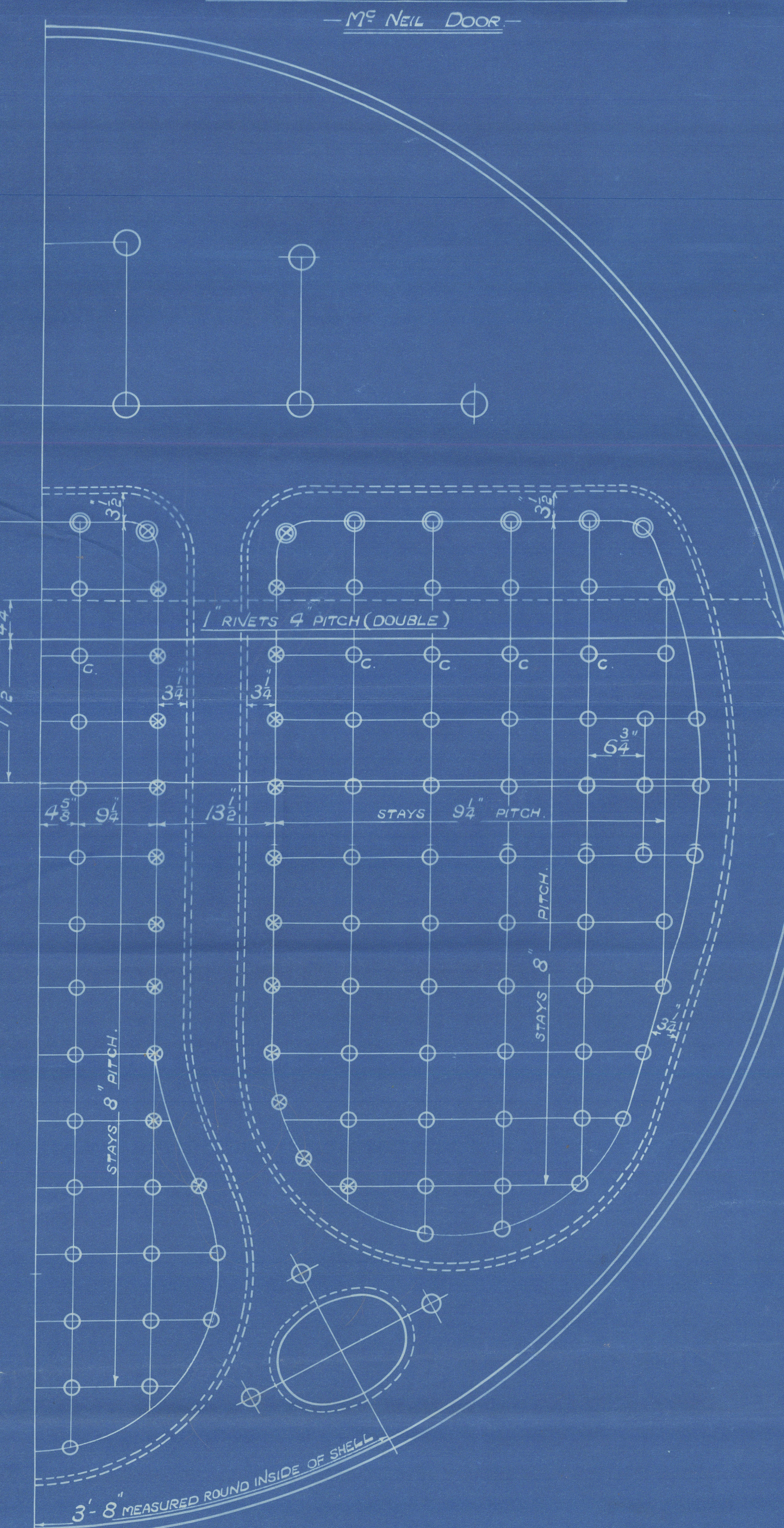
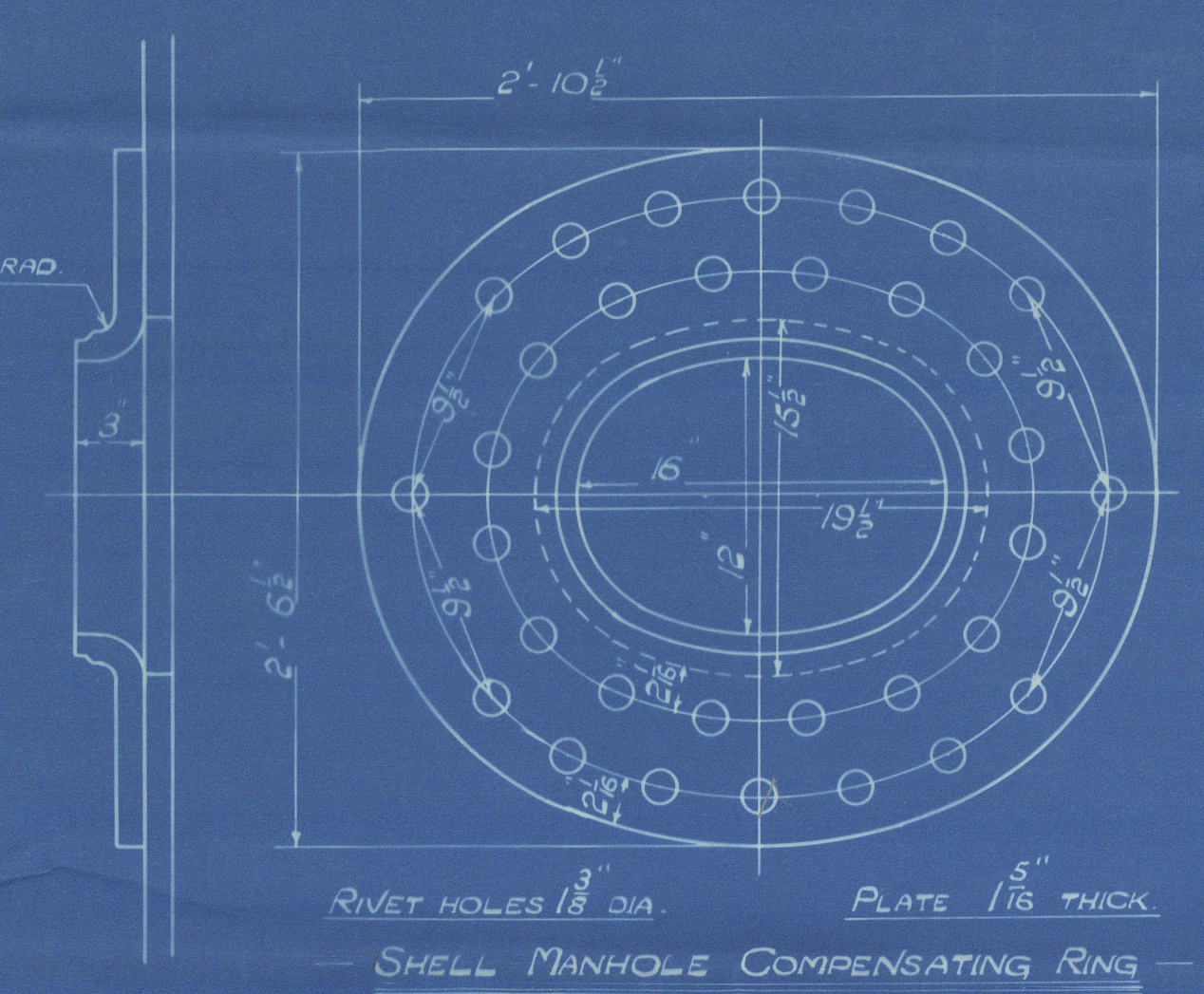
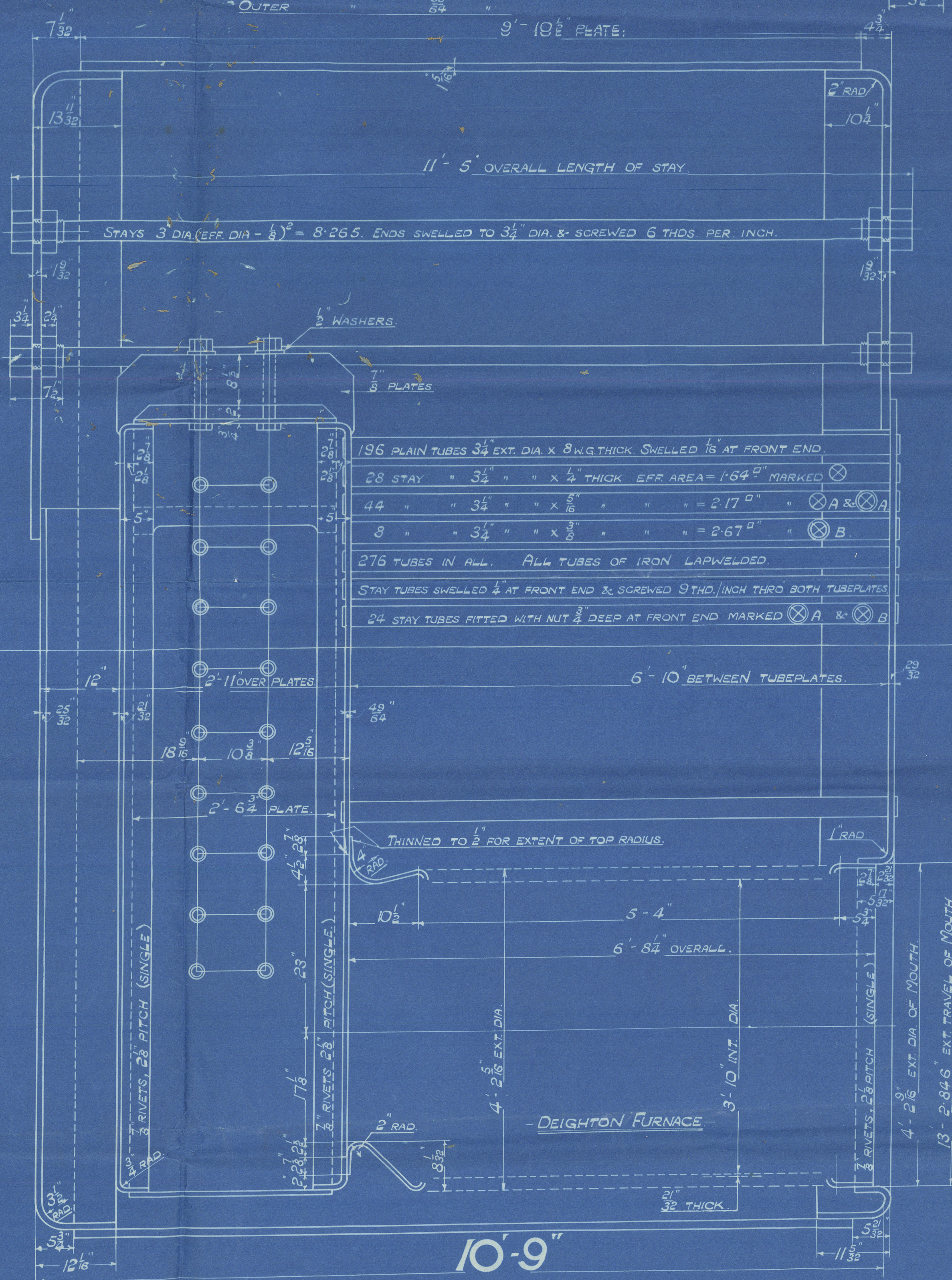
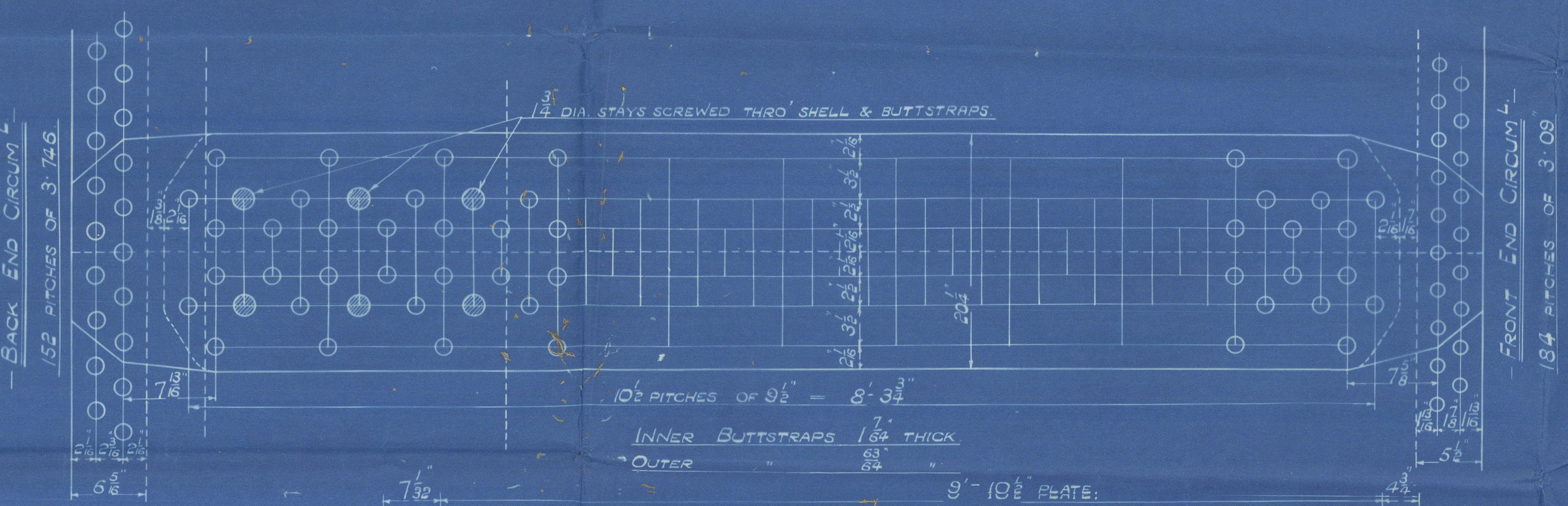
RIVETING	LONG	BACK END CIRC	FRONT END CIRC
RIVET HOLE DIA	1 1/8	1 1/8	1 1/8
PITCH	9 1/2	3.746	3.09
% PLATE	85.5	63.2	61.5
% RIVET	88.1	48	42.9
% COMBINED	88.7		

LIMITS OF TENSILE STRENGTH & MATERIAL	
SHELL & BUTTSTRAPS	29 TO 33 TONS
GIRDERS	28 " 32 "
OTHER PLATES	26 " 30 "
FURNACES	26 " 30 "
MAIN STAYS	28 " 32 "
SCREWED STAYS	26 " 30 "
RIVET BARS	26 " 30 "



ALL RIVET HOLES DRILLED IN PLACE
MAIN STAYS SWELED AT ENDS BY
HYDRAULIC PRESSURE & ANNEALED.

PASSED LLOYDS 30-4-28



POSITION	MARK	DIA.	(DIA. - 267)	SCREWED THDS. INCH.
BACK	○	1 1/8	1.844	9
" WIDE SPACE	○	1 1/8	2.199	9
" TOP ROW, TOP & SIDES	○	1 1/8	2.585	9
" CORNER	○	2"	3.003	9

ALL FIREBOX STAYS SCREWED THRO' BOTH PLATES AND NOT FITTED AT EACH END EXCEPT STAYS FROM WING FIREBOX TO SHELL AND STAYS MARKED 'C' IN BACK BOTTOM END WHICH PROJECT 1/8" AND ARE CAULKED. ALL 1 1/8 & 2" NUTS 1/2" DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE NUTS ARE 1 1/8" DEEP. ALL 1 1/8 & 2" NUTS 1/2" DEEP.

MAIN BOILER
ONE OFF EACH B N^o
B-361 - B-362 - B-375
WORKING PRESSURE 200 LBS. PER SQ. INCH.
TEST " 350 " " "
TO PASS LLOYDS SURVEY
SCALES:- 1" = 1 1/2" = ONE FOOT



4714
TRANS 50300
TRACED 3 MAY 1928

W1150-0113

GLASGOW

D. ROWAN & CO LTD

(1) BOILER N° 375

WP-200LBS

DUPLICATE OF N° 361

FITTED IN SS "THE COUNTESS"

GLS RPT N° 48510

Bk " 48402

AILSA S B CO LTD

S/S N° 412

N° 18517

LLOYDS TEST

350LBS

WP-200LBS

L.C.D.

13-11-29

GLASGOW REPORT N° 49884

The Monarch

GLASGOW REPORT N° 50004



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