

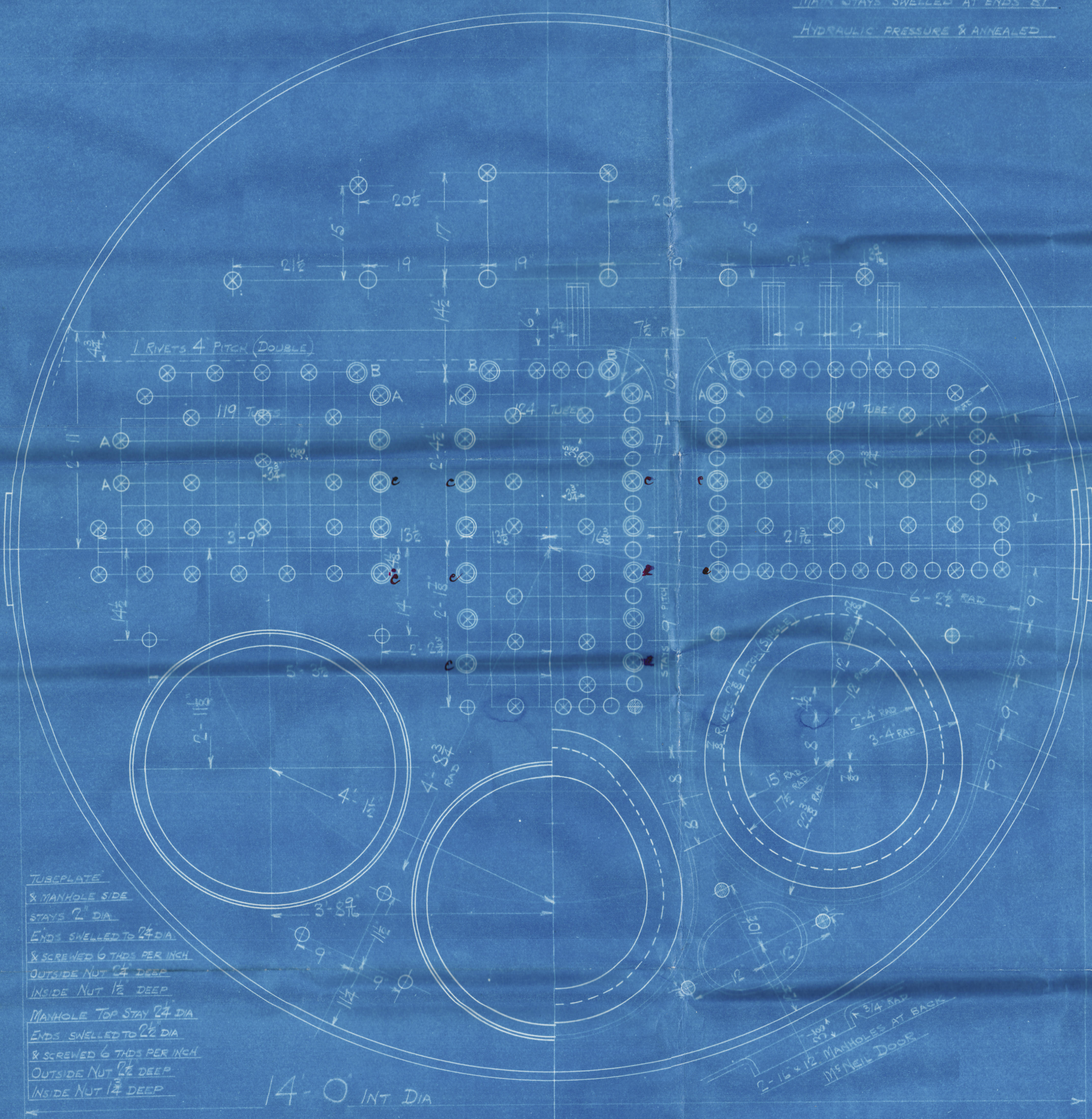
18/12/28

SURFACES	ONE BOILER	TWO BOILERS
TUBES	1220 #	2660 #
FIREBOX TOP AND SIDE	129	258
BACK	68	136
TUBEPLATE	47	94
FURNACES	14	28
TOTAL HEATING SURFACE	2215	4430
GRATE AREA (6" G. BARS)	54.6	109.2
TUBE AREA	8.88	17.76
WATER AREA	140	280
STEAM SPACE	375	750
GRATE AREA : HEATING SURFACE	1 : 40.56	1 : 40.56
" : TUBE	1 : 23.55	1 : 23.55
" : WATER	6 : 14	6 : 14
" : STEAM SPACE	1 : 12.56	1 : 12.56
% BOILER ABOVE FIREBOX	30.7	30.7
WEIGHT OF WATER	26 TONS	44 TONS

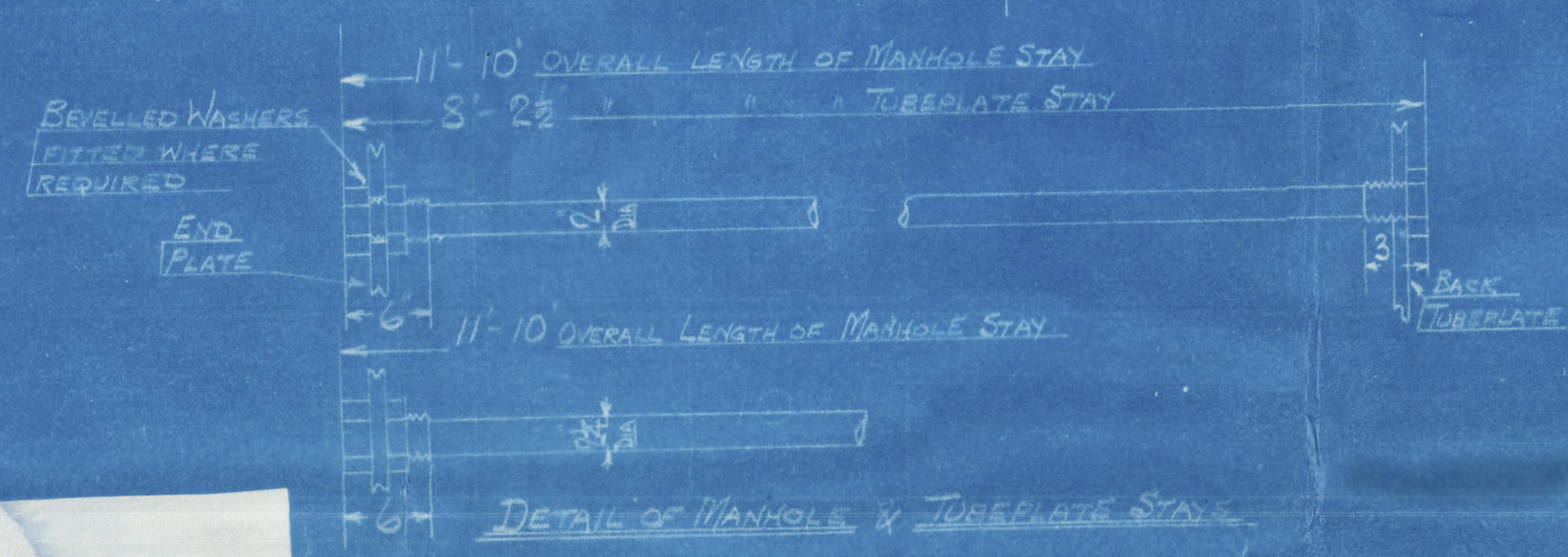
RIVETING	LONG	END
RIVET HOLE DIA	1 1/8	1 1/8
PITCH	3 1/2	3 1/2
% PLATE	185.5	185.5
% RIVET	89.6	89.6
% COMBINED	185.5	185.5

LIMITS OF TENSILE STRENGTH & MATERIAL	29	33
SHELL BUTTSTRAPS	29	33
STAYS	29	33
OTHER PLATES	29	33
FURNACES	29	33
MAIN STAYS	29	33
SCREWED STAYS	29	33
RIVET BARS	29	33

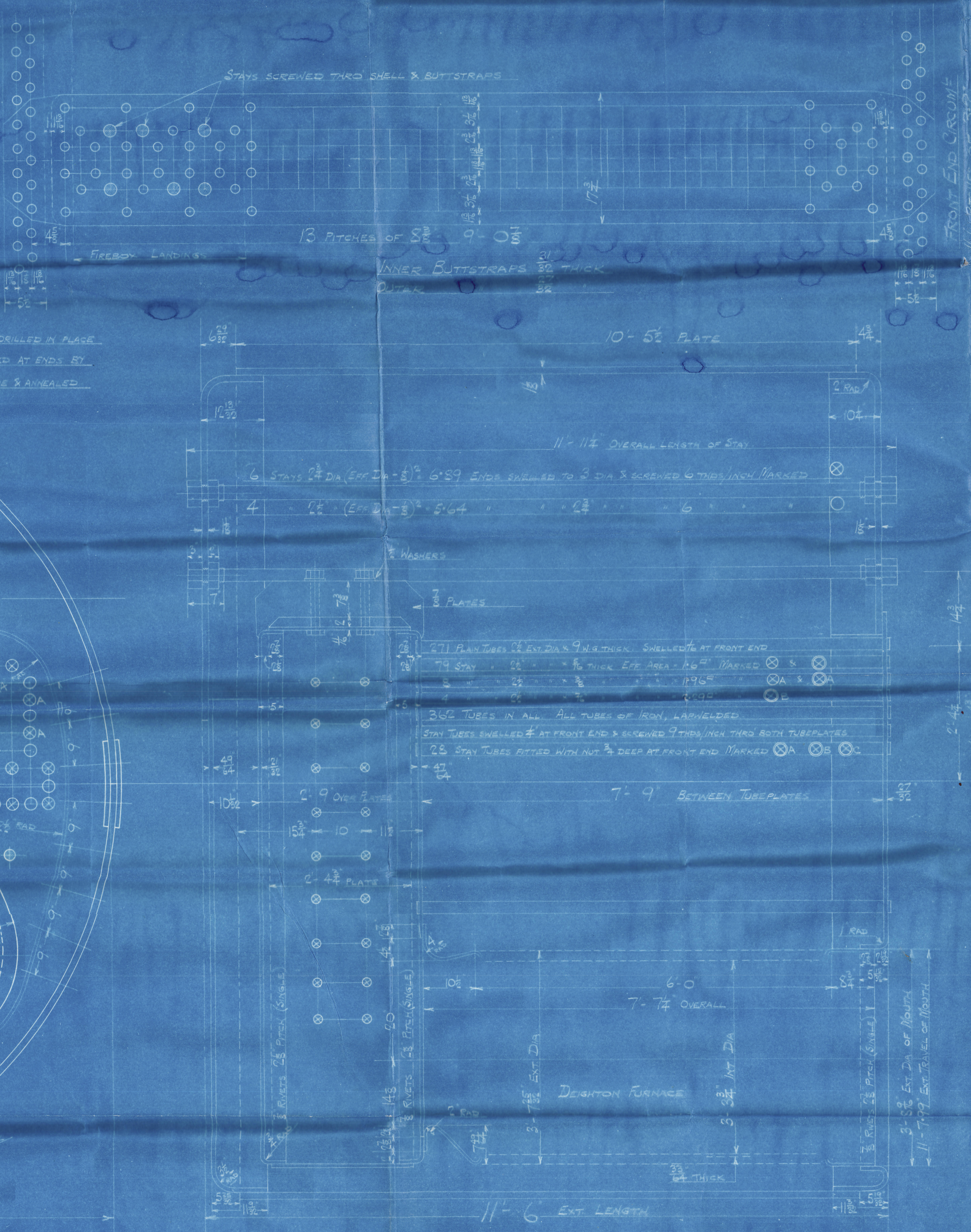
ALL RIVET HOLES DRILLED IN PLACE
MAIN STAYS SWELLED AT ENDS BY
HYDRAULIC PRESSURE & ANNEALED



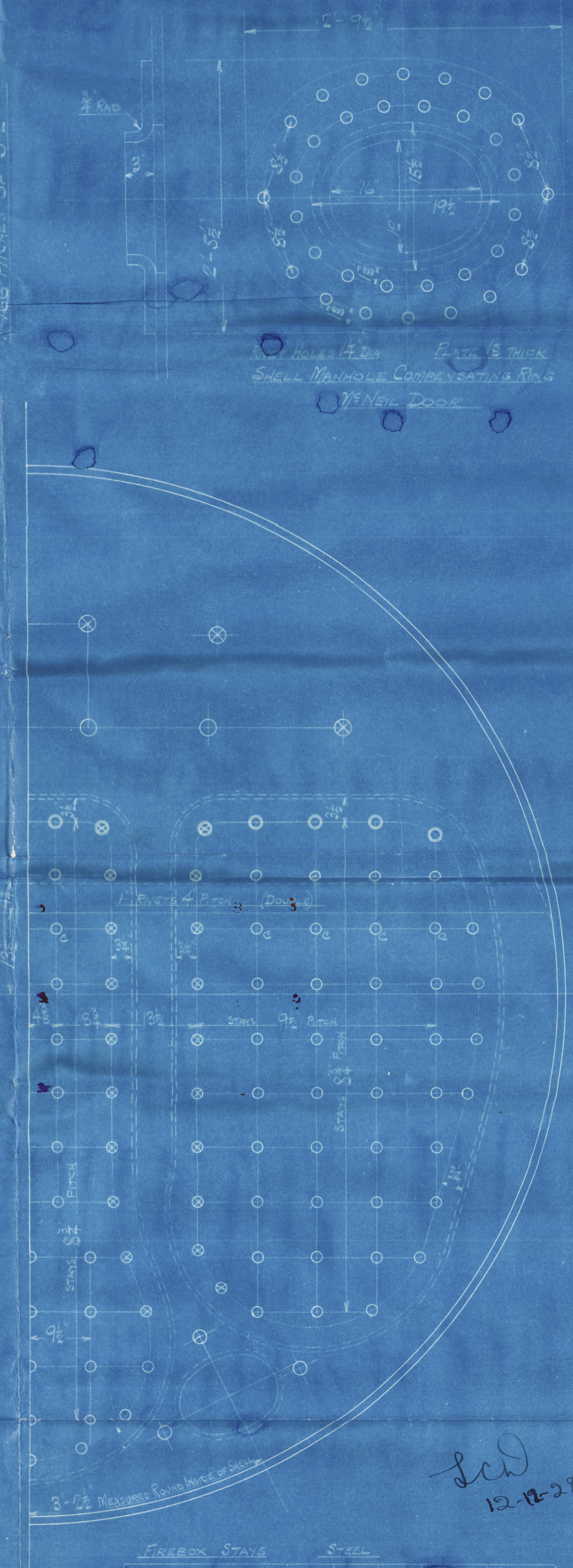
TUBEPLATE
& MANHOLE SIDE
STAYS 2" DIA
ENDS SWELLED TO 2 1/2" DIA
& SCREWED 6 THDS PER INCH
OUTSIDE NUT 1/2" DEEP
INSIDE NUT 1/2" DEEP
MANHOLE TOP STAY 2 1/2" DIA
ENDS SWELLED TO 2 1/2" DIA
& SCREWED 6 THDS PER INCH
OUTSIDE NUT 1/2" DEEP
INSIDE NUT 1/2" DEEP



BACK END CIRCUMFERENCE
100 PITCHES OF 3-2



MAIN BOILER
2 OFF EACH CONT NO
CONT'S NO'S 901-902-903
WORKING PRESSURE 180 LBS PER SQ. INCH
TEST 320
TO PASS LLOYD'S SURVEY
SCALES: 1/8" = ONE FOOT



POSITION	MARK	DIA	(DIA-2x)	SCREWED
BACK	1	1 1/8	1 1/8	9
TOP, SIDE, & BACK WIDE SPACE	2	1 1/8	1 1/8	9
BACK TOP ROW	3	1 1/8	1 1/8	9
" " CORNER	4	1 1/8	1 1/8	9

ALL FIREBOX STAYS SCREWED THRU BOTH PLATES AND NUT FITTED AT EACH END EXCEPT STAYS FROM WING FIREBOX TO SHELL AND STAYS MARKED C IN BACK BOTTOM END WHEN PROJECT 8 AND ARE SWELLED ALL 1/2" NUTS 1/2" DEEP EXCEPT ON A BUSH TOPS WHEN THE OUTSIDE NUTS ARE 1/2" DEEP
ALL 1/2" NUTS 1/2" DEEP

07.34068.A.

GLASGOW

DAVID ROWAN & Co. Ltd
MAIN
(2) BOILERS N^o 902

WP-180 LBS

DUPLICATE OF N^o 901

LITHGOWS LTD N^o 828

N^o 18395
LLOYD'S TEST
320 LBS
WP-180 LBS
L.C.D.
13-9-29

n/n "Cape Nelson"

ex.
Knight of St Michael
GLASGOW REPORT N^o 49762.



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