

12/11/19

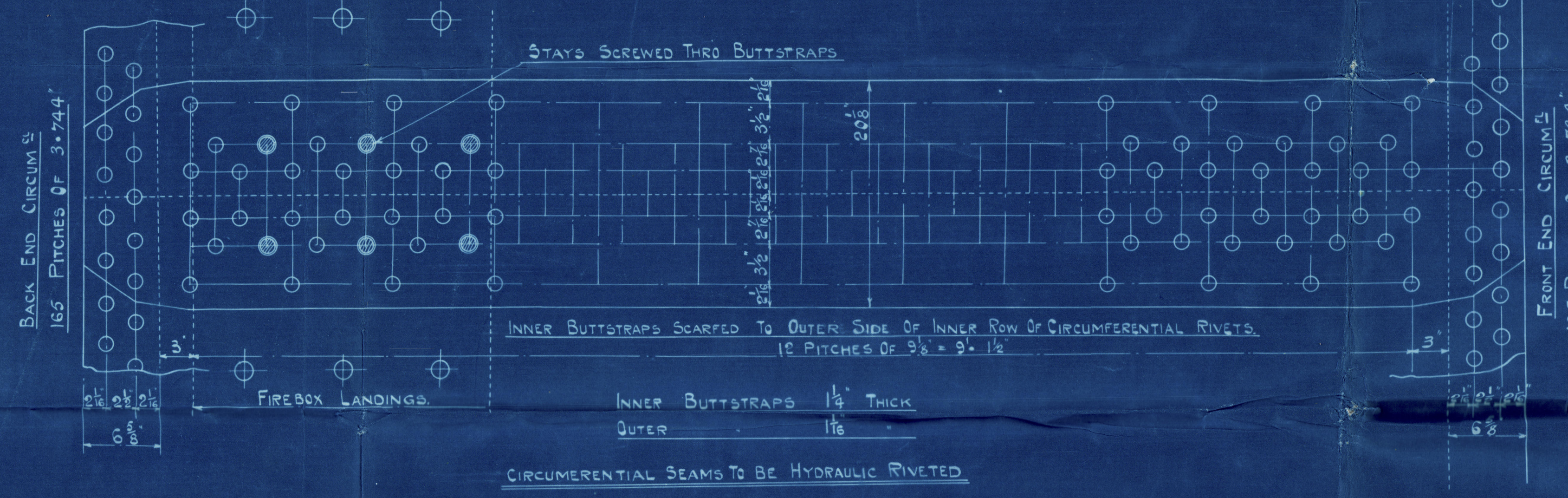
SURFACES	ONE BOILER	2 BOILERS
TUBES	2378	4756
FIREBOX TOP & SIDES	216	432
BACK	35	70
TUBE PLATED	64	128
FURNACES	188	376
TOTAL HEATING SURFACE	2941	5882
GRATE AREA (5'6" BARS)	74	148
TUBE AREA	13	26
WATER	165	330
STEAM SPACE	510	1020
GRATE AREA : HEATING SURFACE	1 : 39.8	
WATER : TUBE AREA	1 : 32.1	
WATER : STEAM SPACE	1 : 6.9	
% BOILER ABOVE FIRE BOX	29.8	
WEIGHT OF WATER	33 TONS	66 TONS

RIVETING		
	LONG ¹	END CIRC ²
RIVET HOLE DIA.	1 1/8"	1 1/8"
PITCH	3" 1/2"	3" 7/4"
% PLATE	85	63.2
% RIVET	90	91

LIMITS OF TENSILE STRENGTH & MATERIAL		
SHELL & BUTT STRAPS	28 3/4 TO 33 TONS	
GIRDERS	28	32
OTHER PLATES	26	30
FURNACES	26	30
MAIN STAYS	28 3/4	33
SCREWED STAYS	28	30
RIVET BARS	27	31

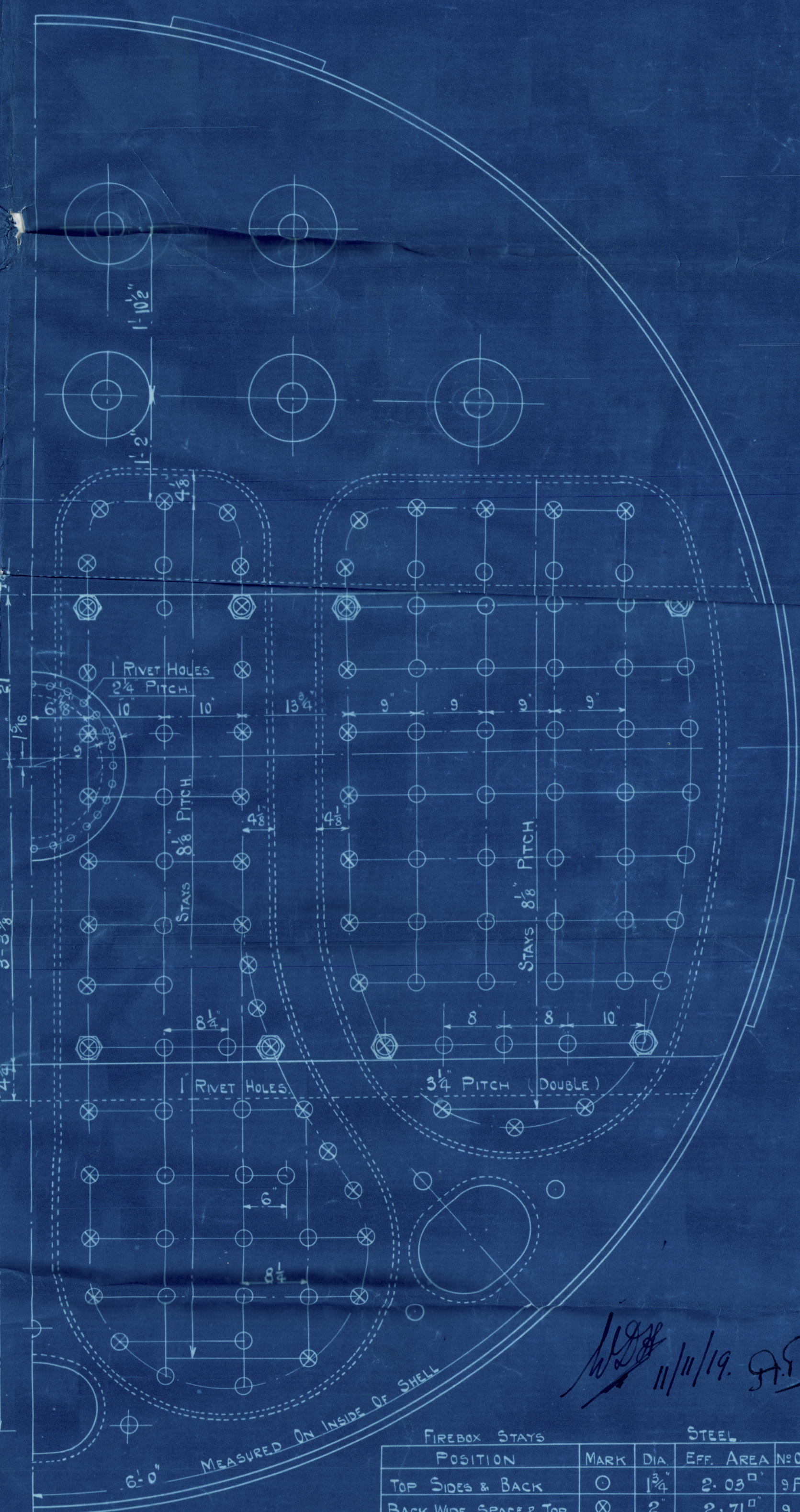
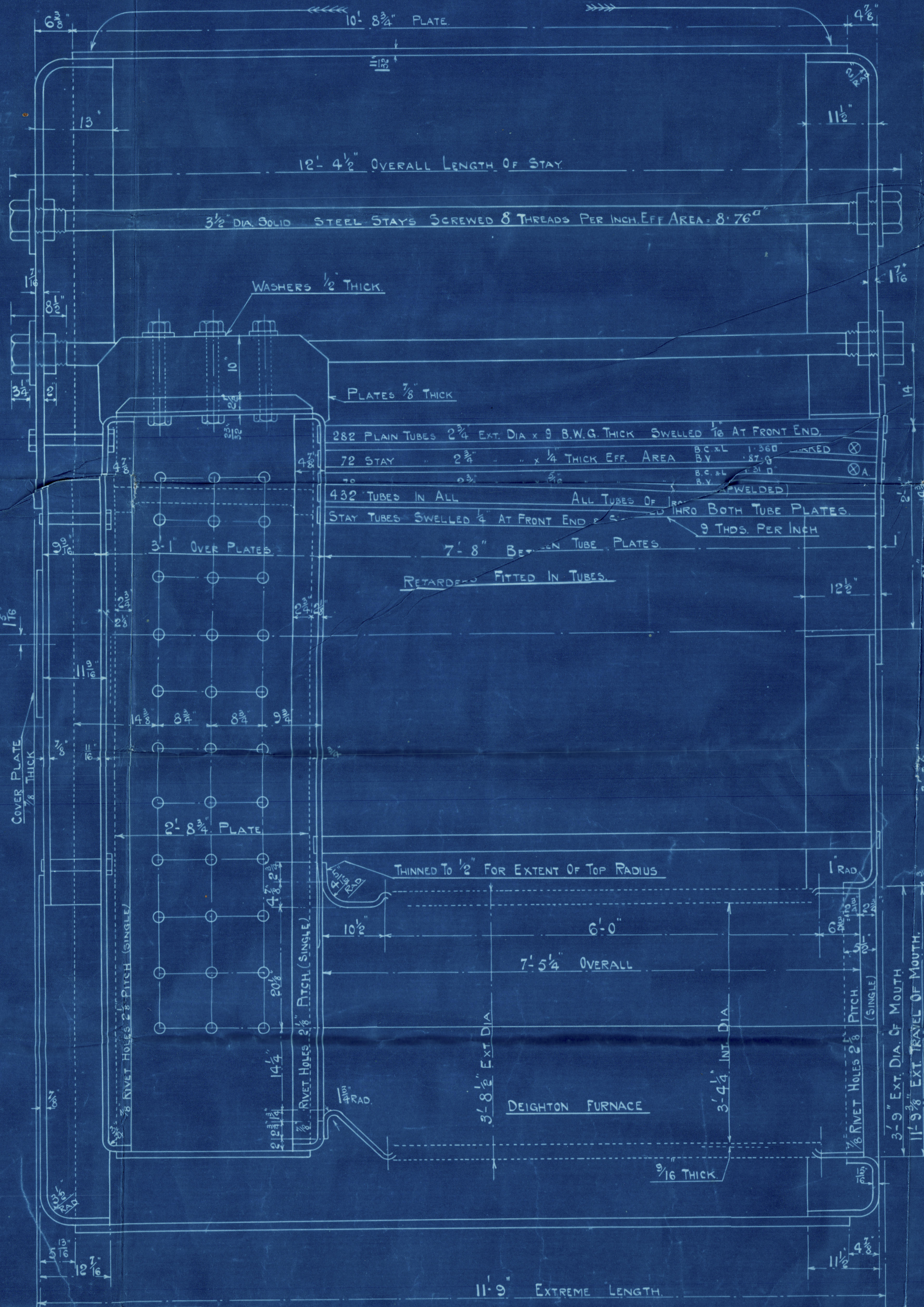
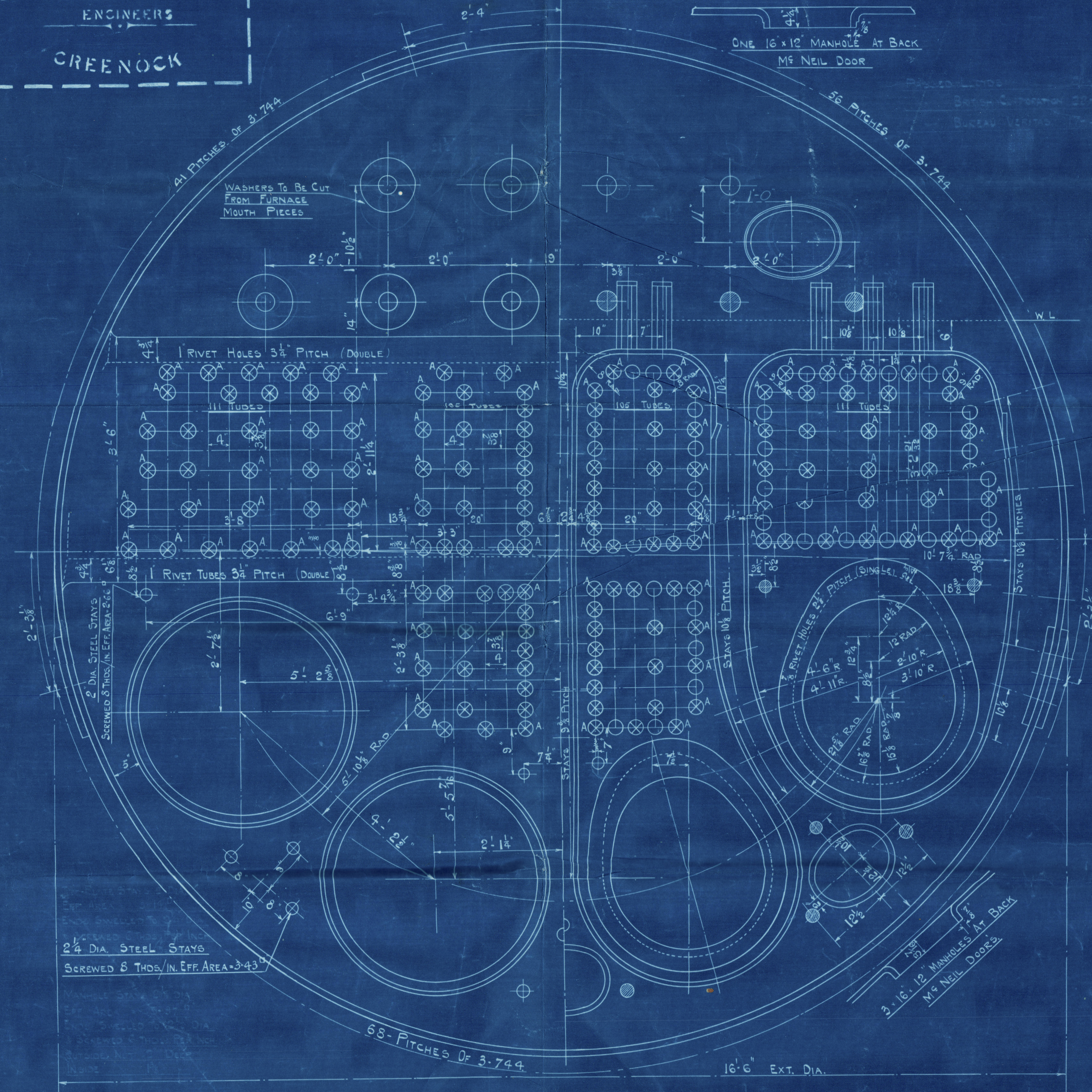
SIEMENS MARTIN STEEL

ALL RIVET HOLES DRILLED IN PLACE



NOTE: ALTERNATE RIVETS TO BE OMITTED ON THE INNER ROWS OF CIRCUMFERENTIAL SEAMS EXCEPT FOR ONE THIRD DIA. AT BOTTOM AND IN WAY OF BUTT STRAPS.

JOHN C. KINCAID & CO LTD
ENGINEERS
GREENOCK



FIREBOX STAYS		STEEL	
POSITION	MARK	DIA	EFF. AREA
TOP SIDES & BACK	○	1 1/8"	2.02"
BACK WIDE SPACES TOP	⊗	2"	2.71"

ALL MARGINAL STAYS TO HAVE NUTS ON BOTH ENDS. REMAINDER OF SCREWED STAYS IN BACKS TO HAVE NUTS ON INNER END ONLY AND TO PROJECT 3/4" ON OUTSIDE AND CAULKED. STAYS THRU SHELL & WING BOKSIDE NUTTED INSIDE BOX & PROJECTING 3/8" THRU SHELL AND CAULKED ALL 1 1/2" NUTS 1" DEEP EXCEPT ON GIRDER TOPS WHERE THE OUTSIDE NUTS ARE 1 1/4" DEEP. ALL 2" NUTS 1 1/2" DEEP.

MAIN BOILERS.
ENGINES N° 542 566
2-OFF
ONE AS DRAWN.
ONE TO OPPOSITE HAND
TO PASS LLOYDS REQUIREMENTS & TESTS
FOR 180 LBS/SQ. IN.
SCALE 1" = 1 FOOT
28TH JANUARY 1919.

DRC. N° 137179

12/11/19
R

Xinoaido No 566

Main Antea

180 66 W.P.

Cehin Laminaga

D. D. No 11.

GREENOOK *Report No 17798*

RETAIL



© 2021

WS28-0255

Lloyd's Register
Foundation