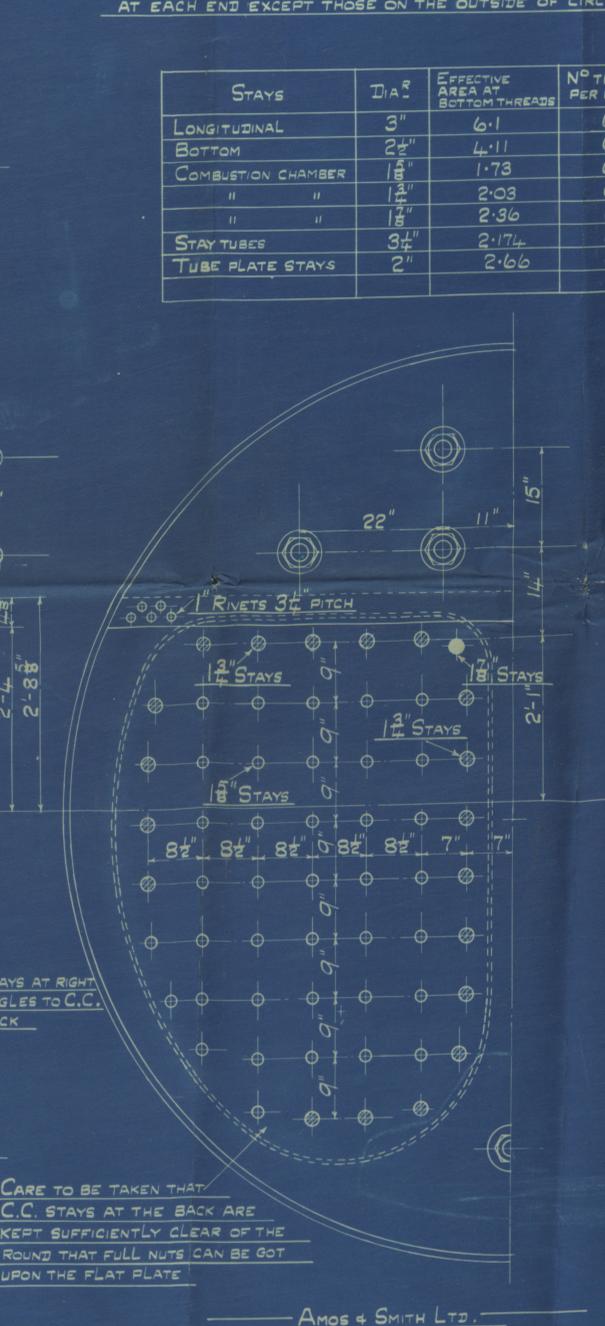
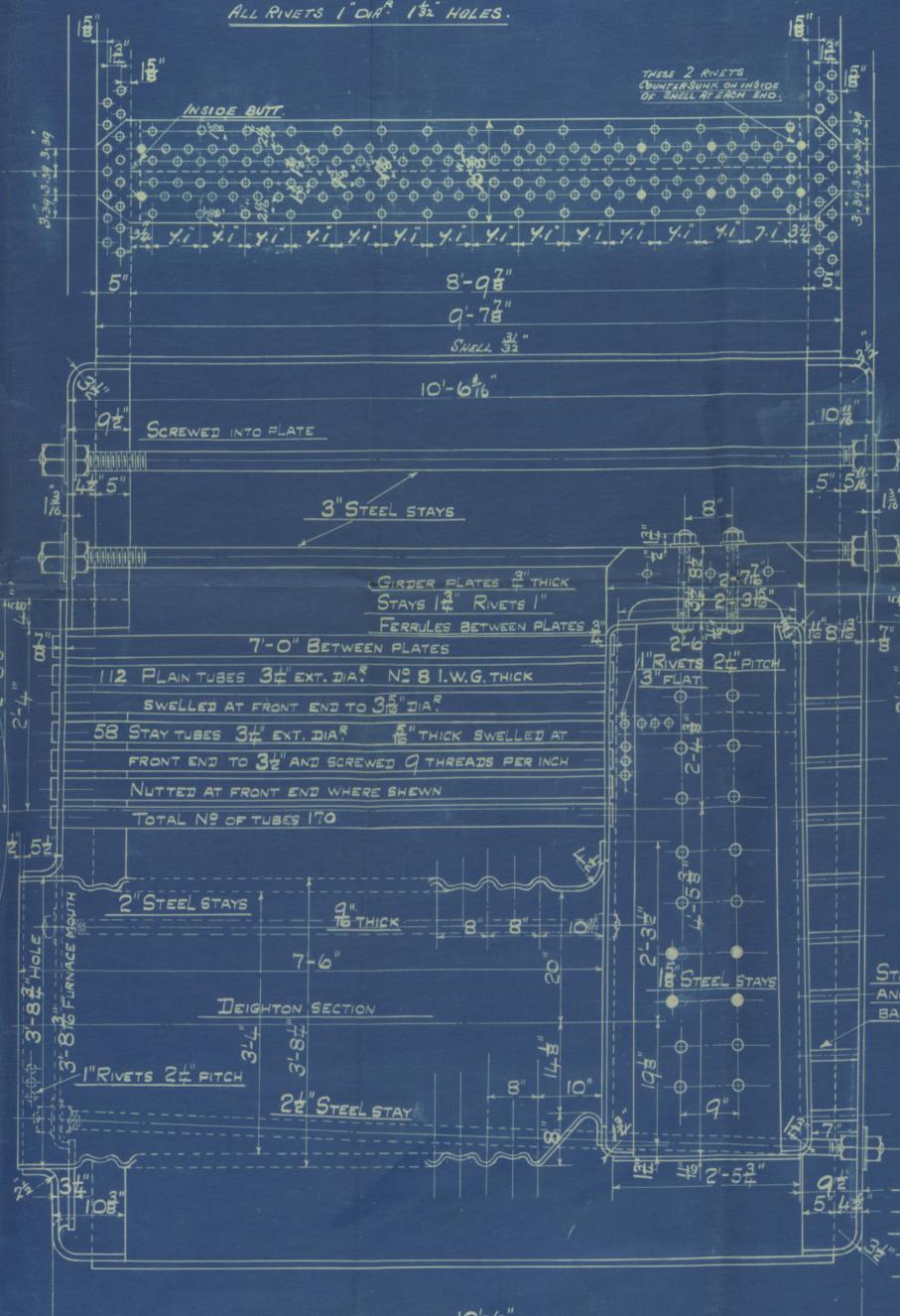
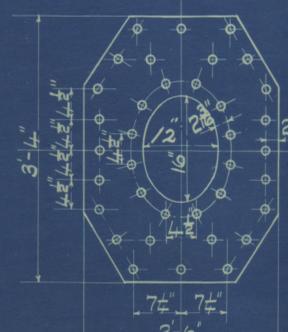
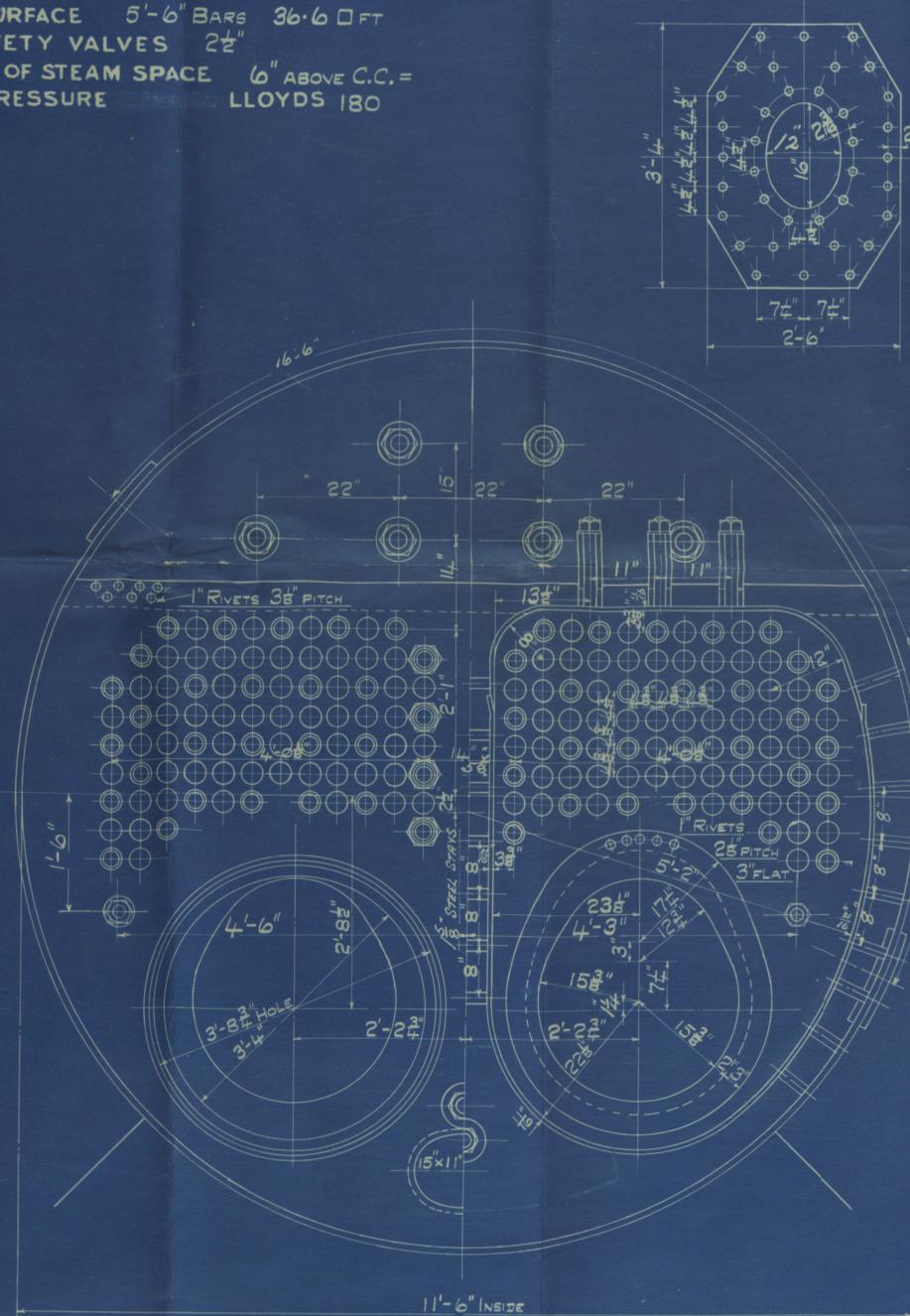


DIAR OF BOILER 11'-6" INSIDE
 LENGTH OF D^o 10'-6" MEAN
 NUMBER OF TUBES 170
 LENGTH OF D^o 7'-0" BETWEEN PLATES
 DIAR OF D^o AREA THRO TUBES 7.40 FT
 HEATING SURFACE IN TUBES 10200 FT
 TOTAL HEATING SURFACE 12600 FT
 FIRE BAR SURFACE 5'-6" BARS 36.60 FT
 DIAR OF SAFETY VALVES 2 1/2"
 CUBIC FEET OF STEAM SPACE 6" ABOVE C.C. = LLOYDS 180
 WORKING PRESSURE

DOUBLING PLATE 3/2" THICK
 1" RIVETS 1 3/2" HOLES
 FITTED OUTSIDE SHELL WITH
 SHORTER AXIS LONGITUDINALLY
 STUDS IN MANHOLE DOORS ARE NOT TO
 PROJECT THROUGH NUTS WHEN NUTS ARE
 NIPPED UP

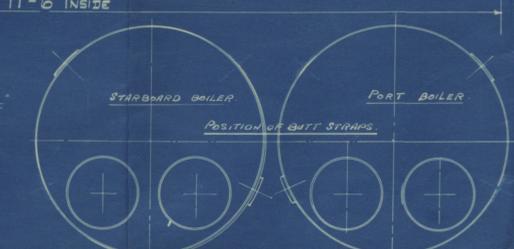
CIRCUMFERENTIAL SEAMS 3.89 PITCH
 % PLATE = 69.9
 % RIVET = 42.6
 LONGITUDINAL SEAMS 7.1 PITCH
 % PLATE = 85.4
 % RIVET = 9.3
 INSIDE BUTT STRAP 7/8" OUTSIDE BUTT STRAP 3/4"
 MINIMUM TENSILE STRENGTH SHELL AND BUTTS 28 TONS
 ALL RIVETS 1" DIA. 1 3/2" HOLES.

THE PLATES RIVETS AND STAYS OF STEEL BY THE SIEMENS MARTIN PROCESS
 ALL RIVET HOLES DRILLED THROUGHOUT THE BOILER THOSE IN SHELL AFTER
 THE PLATES ARE BENT
 ALL FLANGED PLATES TO BE ANNEALED AFTER THE PLATES ARE BENT
 STAYS ARE NOT TO BE WELDED TUBES ARE OF IRON
 THE TENSILE STRENGTH OF THE SHELL PLATES, BUTT STRAPS, AND GIRDER
 PLATES TO BE BETWEEN 28 AND 32 TONS PER SQ IN
 THE C.C. STAYS ARE SCREWED INTO BOTH PLATES AND FITTED WITH A NUT
 AT EACH END EXCEPT THOSE ON THE OUTSIDE OF CIRCULAR SHELL



STAYS	DIA ^r	EFFECTIVE AREA AT BOTTOM THREADS	N ^o THREADS PER INCH
LONGITUDINAL	3"	6.1	6
BOTTOM	2 1/2"	4.11	6
COMBUSTION CHAMBER	1 3/4"	1.73	9
"	1 3/4"	2.03	9
"	1 3/4"	2.36	9
STAY TUBES	3 1/2"	2.174	9
TUBE PLATE STAYS	2"	2.66	6

10715



2 STEEL BOILERS
N^o 3715

AMOS & SMITH LTD.
 ENGINEERS.
 ALBERT DOCK WORKS.
 HULL.

P. J. A.
 191/126

DATE: 10-12-25.
 SCALE: 1" = 1 FOOT.

A 9 S 3715.

Amended Bond Plan

s/s Kakariki
Hull Rpt. No. 37147

RETAIN

RETAIN



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Lloyd's Register
Foundation

WS19-0186

A.S. 85—2000—5/25—EW

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ENCLOSURE FOR

Lloyds Surveyors

Hull

W519-0186^{1/2}