

11'-6" INSIDE
10'-6" MEAN
170
7'-0" BETWEEN PLATES
HRO TUBES 7'-4" FT
1020 □ FT
1260 □ FT
36'-6" FT
6" ABOVE C.C. =
LLOYDS 180

DOUBLING PLATE $\frac{31}{32}$ " THICK
1" RIVETS $1\frac{1}{2}$ " 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 = 42.0

LONGITUDINAL SEAMS 7.1" PITCH

% PLATE = 85.4

% RIVET = 93

INSIDE BUTT STRAP $\frac{7}{8}$ " OUTSIDE BUTT STRAP $\frac{3}{4}$ "

MINIMUM TENSILE STRENGTH SHELL AND BUTTS 28 TONS

ALL RIVETS 1" DIA. $1\frac{1}{2}$ " 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. ²	EFFECTIVE AREA AT BOTTOM THREADS	Nº THREAD PER INCH
LONGITUDINAL	3"	6.1	6
BOTTOM	2 ¹ / ₂ "	4.11	6
COMBUSTION CHAMBER	1 ⁵ / ₈ "	1.73	9
" "	1 ³ / ₈ "	2.03	9
" "	1 ¹ / ₂ "	2.36	9
STAY TUBES	3 ¹ / ₄ "	2.174	9
TUBE PLATE STAYS	2"	2.66	6

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

2 STEEL BOILERS

Nº 3715

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

A 4 S 3715.

Amended Bodin Plan.

s/s Kakariki
Hull Rpt. No. 37147

RETAIN

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Lloyd's Register
Foundation

WS19-0186

A.S. 85—2000—5/25—EW

From AMOS & SMITH, Ltd., HULL.

ENCLOSURE FOR

Lloyds Surveyors

Hull

W519-086^{1/2}