

R.D. 9
1050
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1050

Heating Surface in 1 Boiler	
Tubes 3 x 6-3 x 98	1+80.8 sq
Furnaces	68 ..
Comb Chamber	80 ..
Buck tube plates	16 ..
Front	11 ..
Total	655 sq ft
Working pressure	160 lbs
Test	320 ..

Condition of Construction

Lateral longitudinal seams double but soap joints holes drilled in place after binding the plates then taken apart the burr taken off and the holes slightly countersunk from the inside
 Longitudinal seams double riveted lap joints holes drilled in place after binding the plates then taken apart the burr taken off and the holes slightly countersunk from the inside

Lloyds:

Constant used for shell	20	Permissible strength of shell	27 tons
long stays	185 x 30	Factor of Safety	40
short	135	Constant used for long stays	125 x 187.5
Stay tubes	140 x 150	short	100
rivets	84.2	Stay tubes	100
107.3	88.4	% of strength of plates at joint	84.2
		rivets	88.4

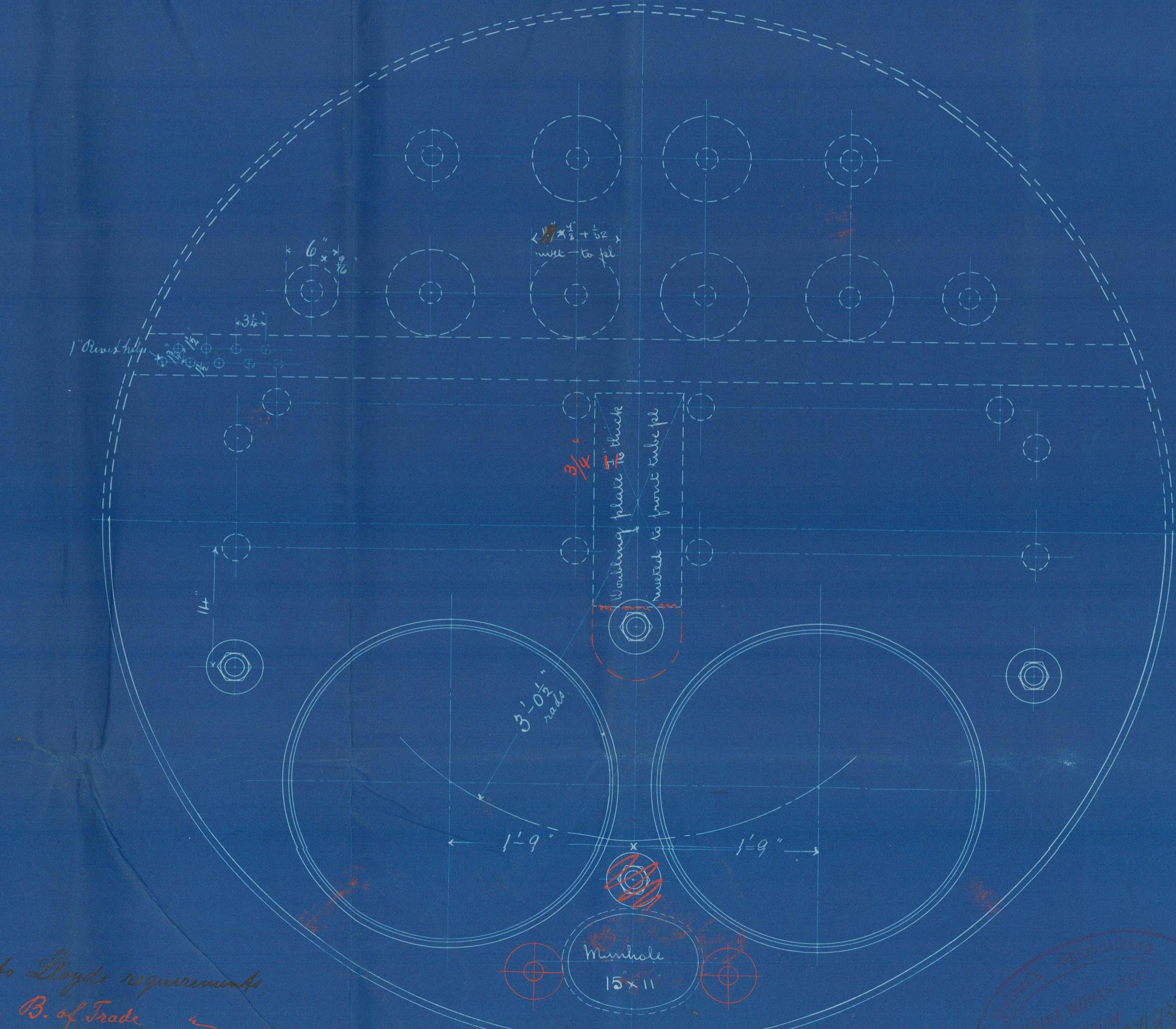
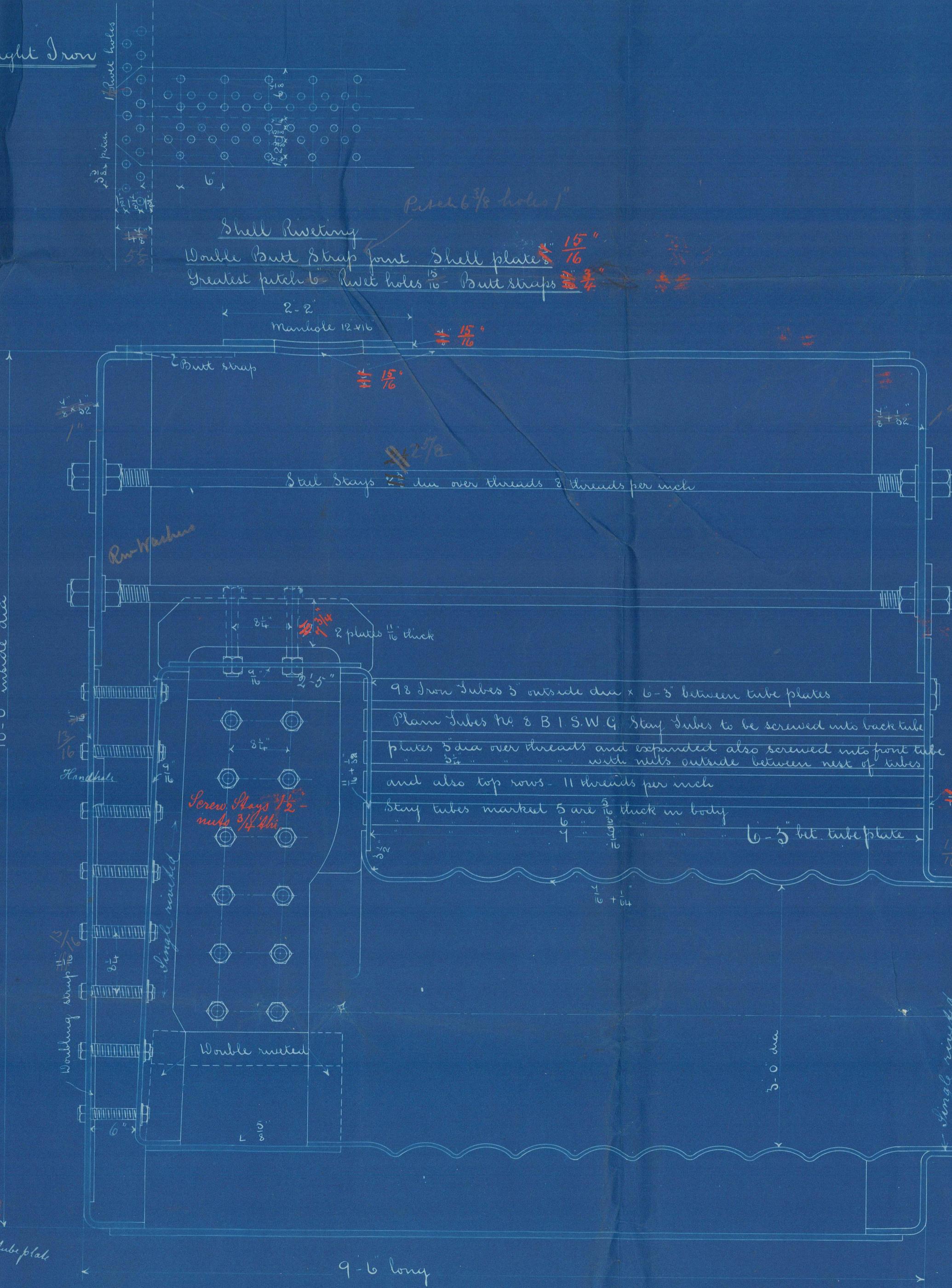
Board of Trade:

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DONKEY BOILER

Scale 1 in = 1 ft

all steel except tubes which are of wrought iron



DONKEY BOILER N° 31
ENGINES N° 599

N° 11590

Adhered to both Lloyds requirements
and Board of Trade

Mar 11/95
E.C.

J. M.
6/3/95

Engineering Drawing
FEBRUARY 1995
100-2-1995
NWC 842-0160



Palmer's Co Ltd

697 ship
599 engine

P. & O. Co. ss. Borneo

Newcastle Report N° 32137

NWCR 842 - 0160



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Foundation