

STEEL BOILERS

To Lloyds requirements for a working pressure of 180 lbs/sq in & a test press. of 320 lbs/sq in

All plates, rivets, stays & girders of steel

Tubes of wrought iron



Total Heating Surface in
3 Boilers = 8721 sq. ft.

Plate	Di	Trans	Eff	Area	Per
26	1 1/4	9	16078	2.03	2.87
30	1 3/4	9	17327	2.35	3.4
32	2	9	18577	2.67	2
34	2 1/4	6	22268	4.13	2
36	2 3/4	6	24921	6.70	14
38	3	6	27366	9.25	6

TENSILE STRENGTH

Plate	Tons per sq in.
Shell Plates & Butt Straps	28 to 32
Comb. Chamber Girders	28 to 32
All other plates	26 to 30

RIVETING

Position	Riveting	Rivet Holes	Pitch	Lap
Front & Back Seams	Double	1 3/16	3 1/2	5 3/8
Comb. Chamber Longitudinal Seams	Single	1 5/16	2 1/2	2 1/2
Comb. Chamber & Furnace Seams	Single	1 5/16	2 1/2	2 1/2

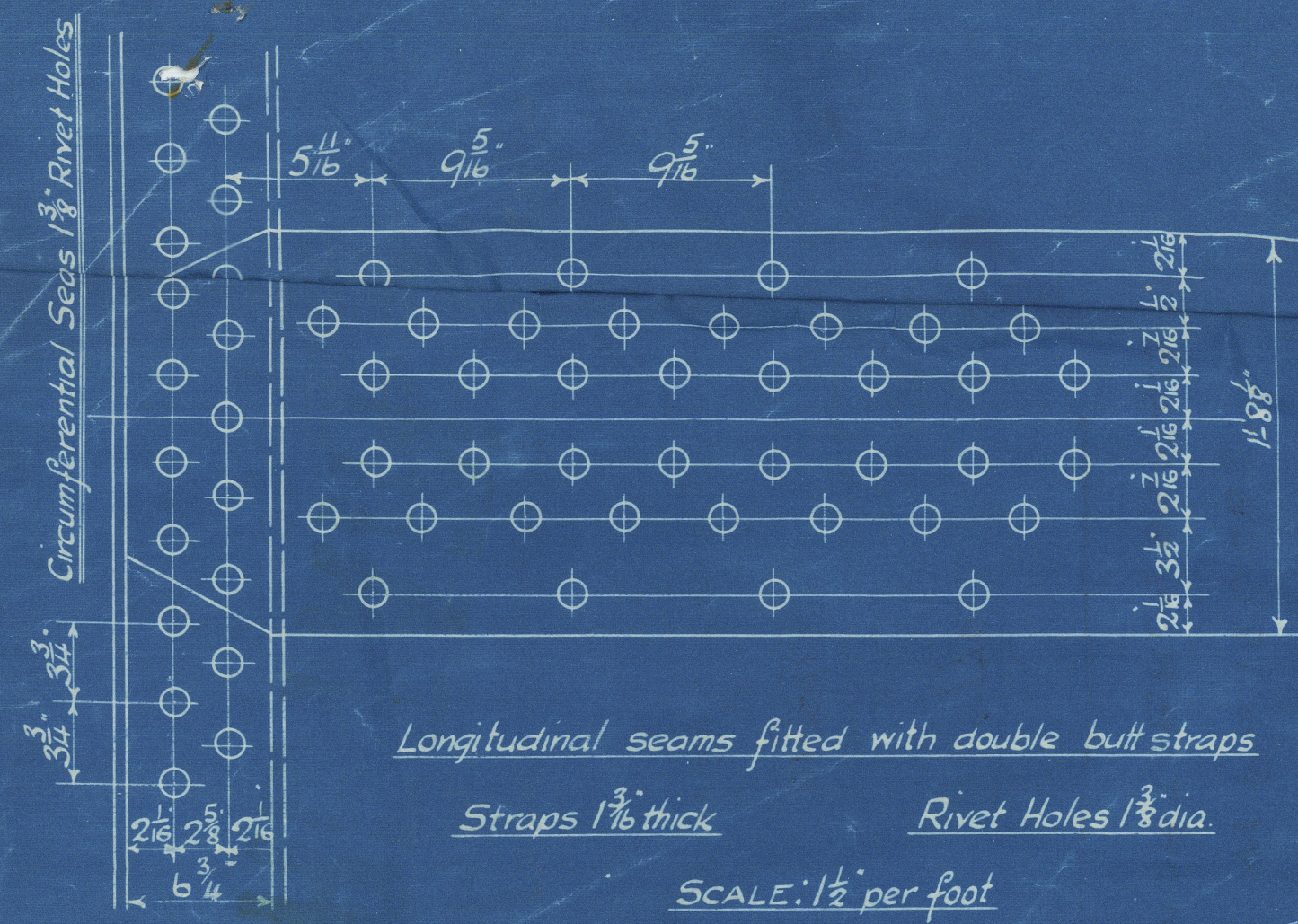
ENGINE

S55 3 OFF

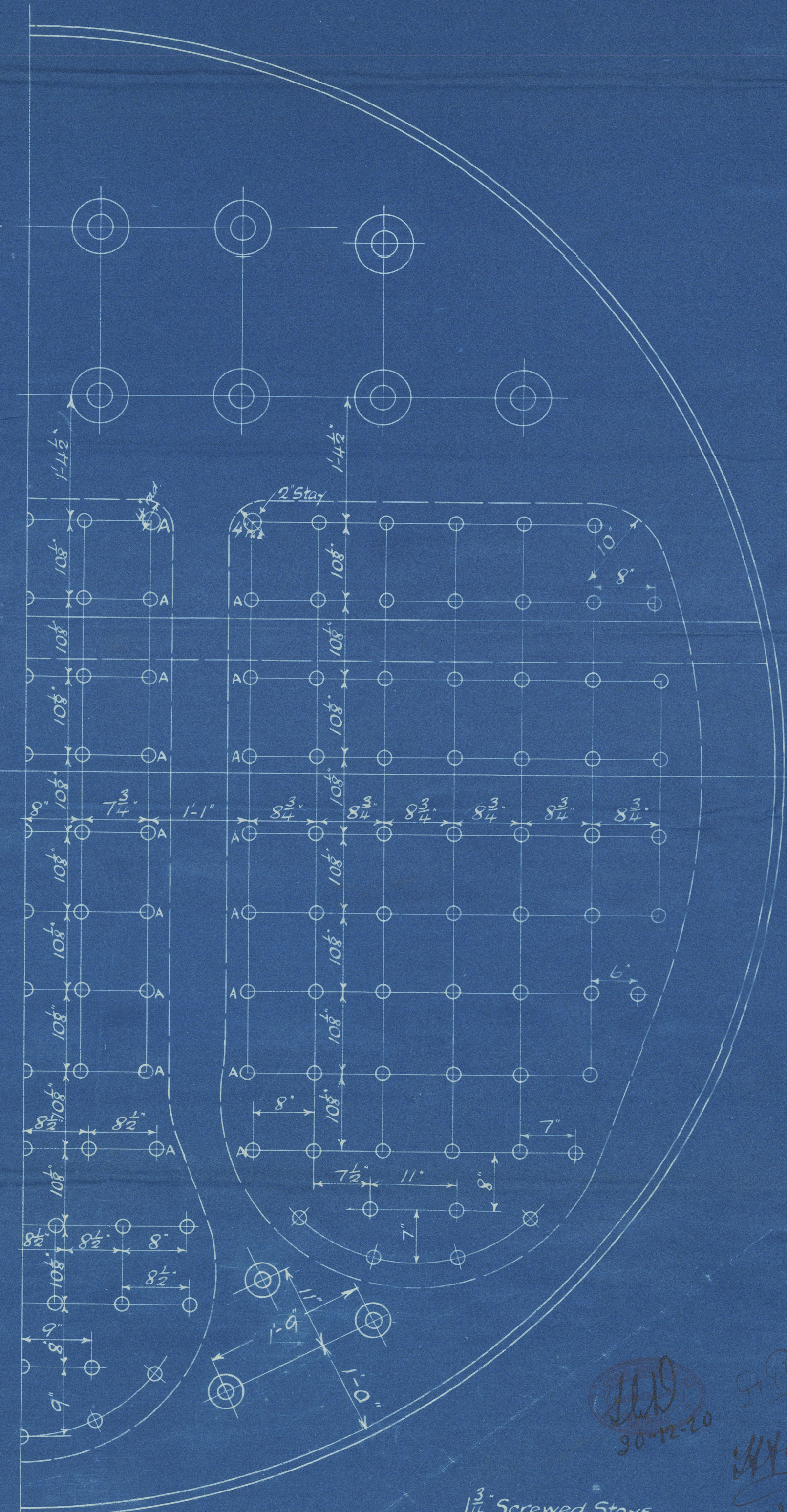
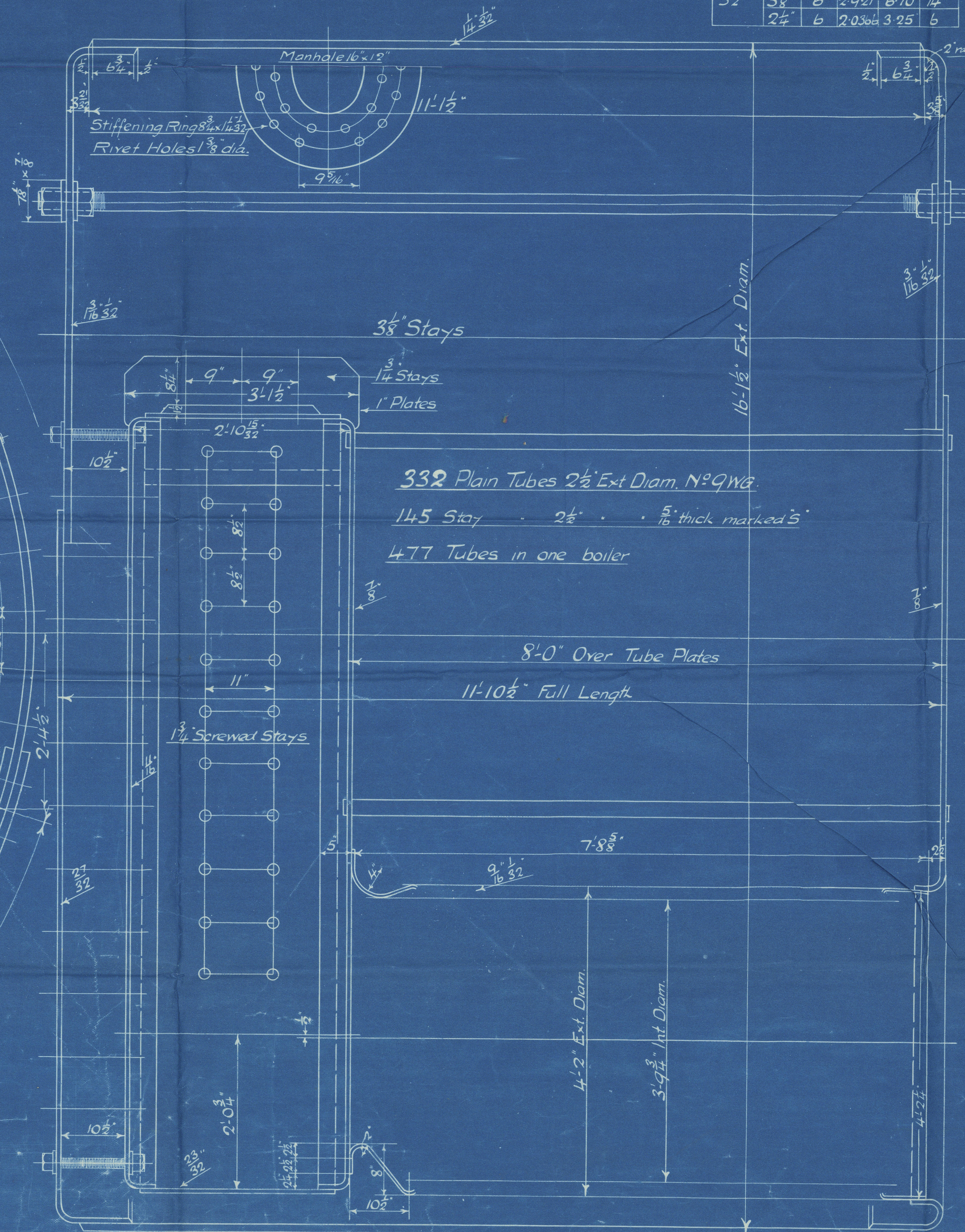
Intended for Messrs Short Bros & Co

DATE FURNACES

April 29th 20
Morison's
Deighton's Section



23'-0 7/8"



3/16" Screwed Stays
1/8" Screwed Stays marked A

Note: Stays between Comb. Chambers & marginal stays in backs screwed thro both plates & nut fitted at each end. Stays from Comb. Chr. to shell & remainder of stays in backs to have nut on inner end only to project 5/8" & to be caulked.

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W007-2679

SUNDERLAND

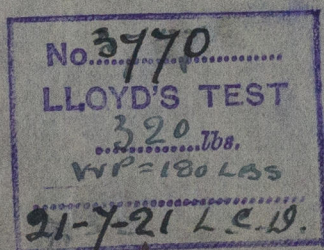
J. DICKINSON & SONS LD

(3) BOILERS N^o 855

(amended plan 20-12-20)

WP = 180 LBS

SHORT BRUS 8/8 N^o 413



8/8 Daghestan

SUNDERLAND RET. No. 28237.

RETAIN

W447-0079



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Lloyd's Register
Foundation