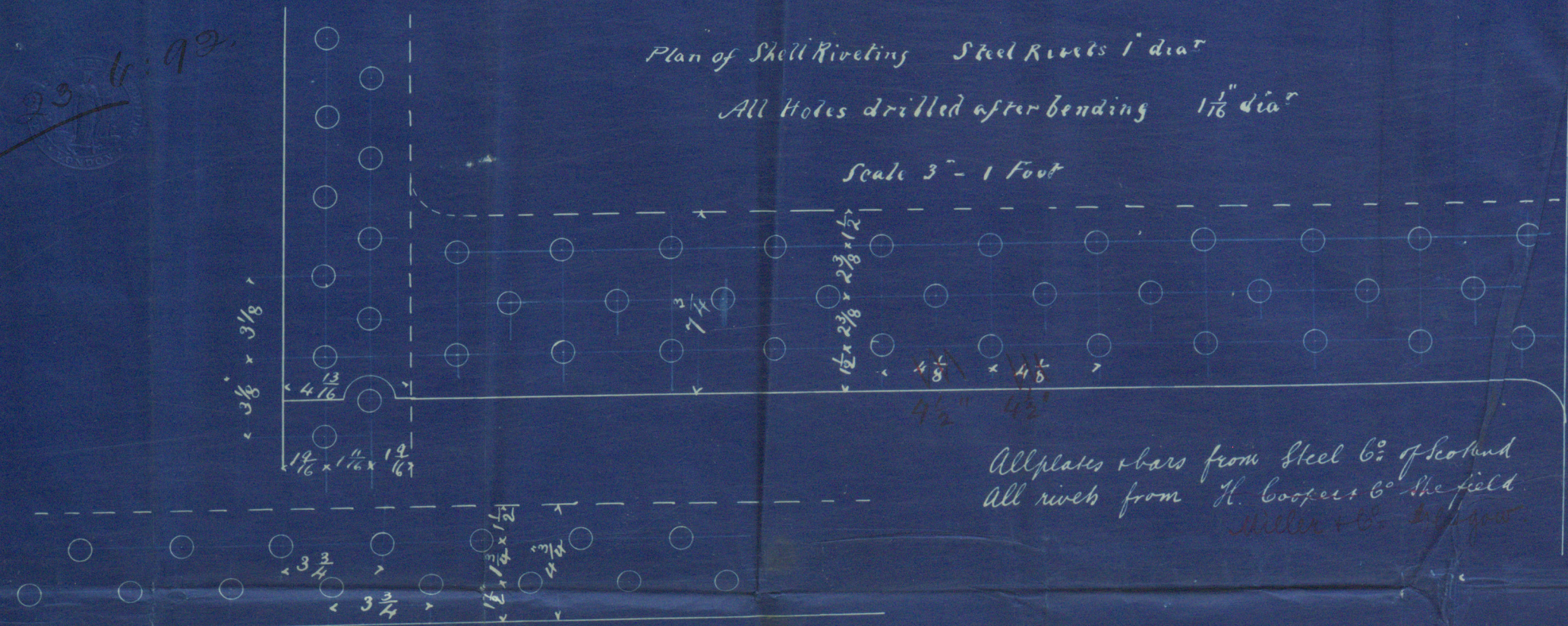


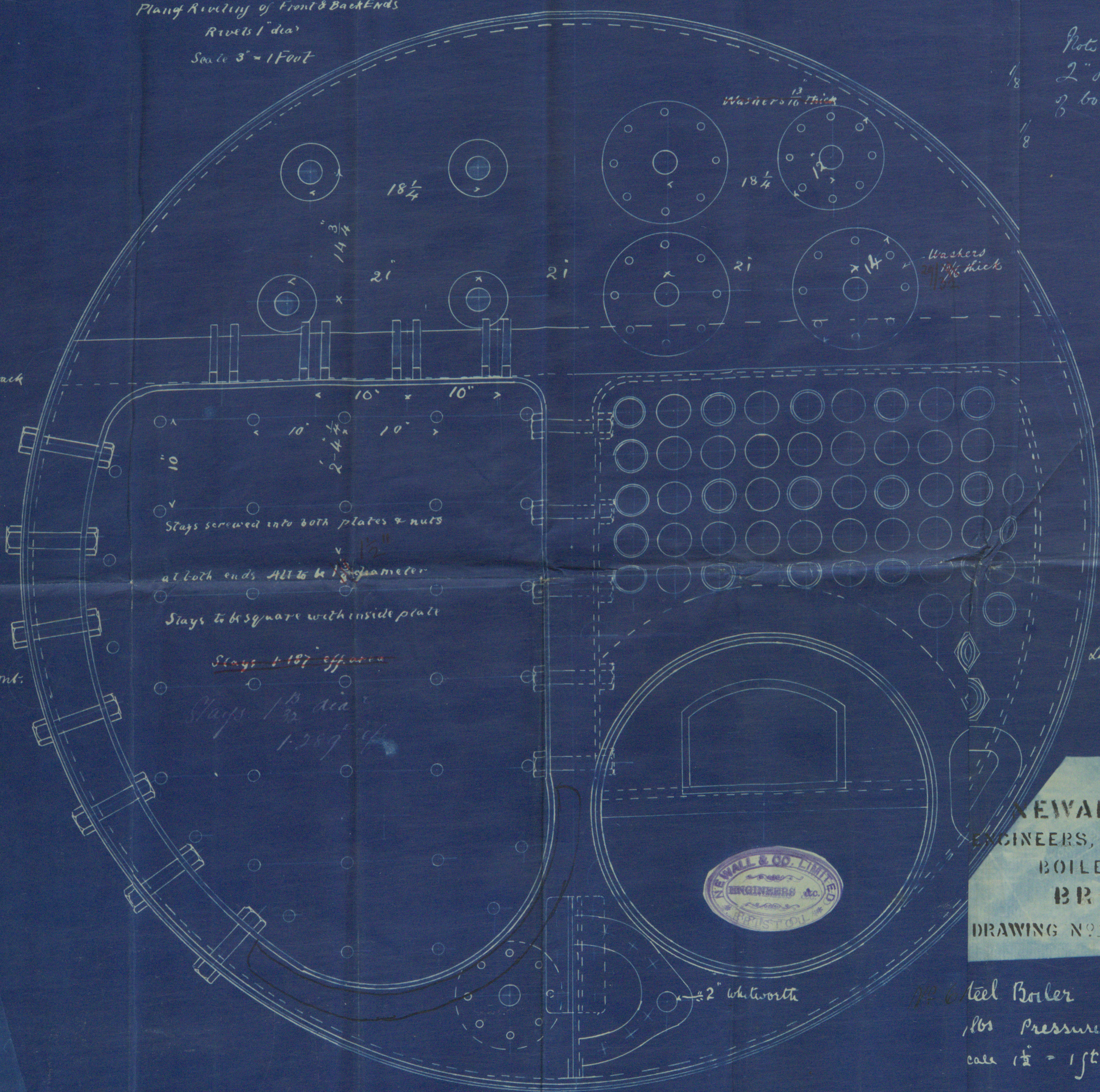
Mr. 20 16:92

Plan of Shell Riveting Steel Rivets 1" dia
All Holes drilled after bending 1 1/8" dia
Scale 3" = 1 Foot



All plates bars from Steel Co. of Scotland
All rivets from H. Cooper & Co. Sheffield
Miller & Co. Glasgow

Plan of Riveting of Front & Back Ends
Rivets 1" dia
Scale 3" = 1 Foot



Note? Clamping
2" over 1" centers
3 boilers see small
plans

Landing

Landing

KEWALL & CO. LTD.
ENGINEERS, SHIPBUILDERS
BOILERMAKERS.
BRISTOL.

DRAWING NO. B209 TRACING NO. 466

Steel Boiler
160s Pressure
case 1 1/2" = 1 ft
To pass Board of
Trade and Lloyd's
Requirements

8 Bars 9'-8" x 2 1/2" dia
2 Bars 9'-6" x 2" dia
6 Bars 12'-0" x 1 1/8" dia

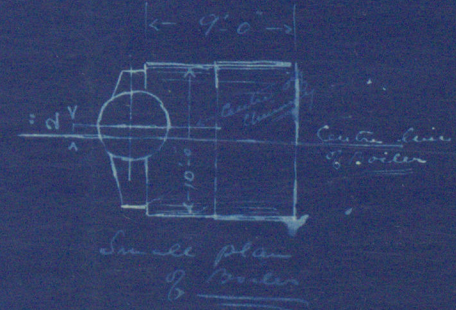
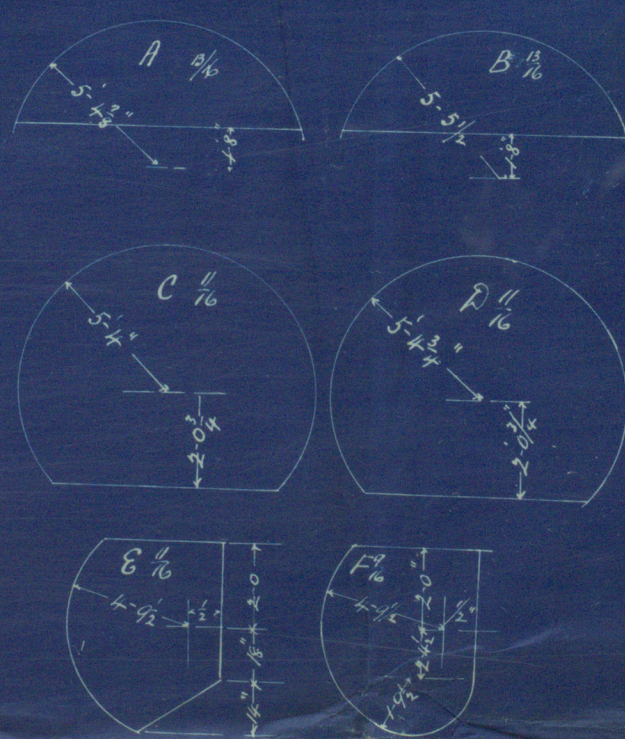


Fig. 1. A. 16:50
Rev. 16:55

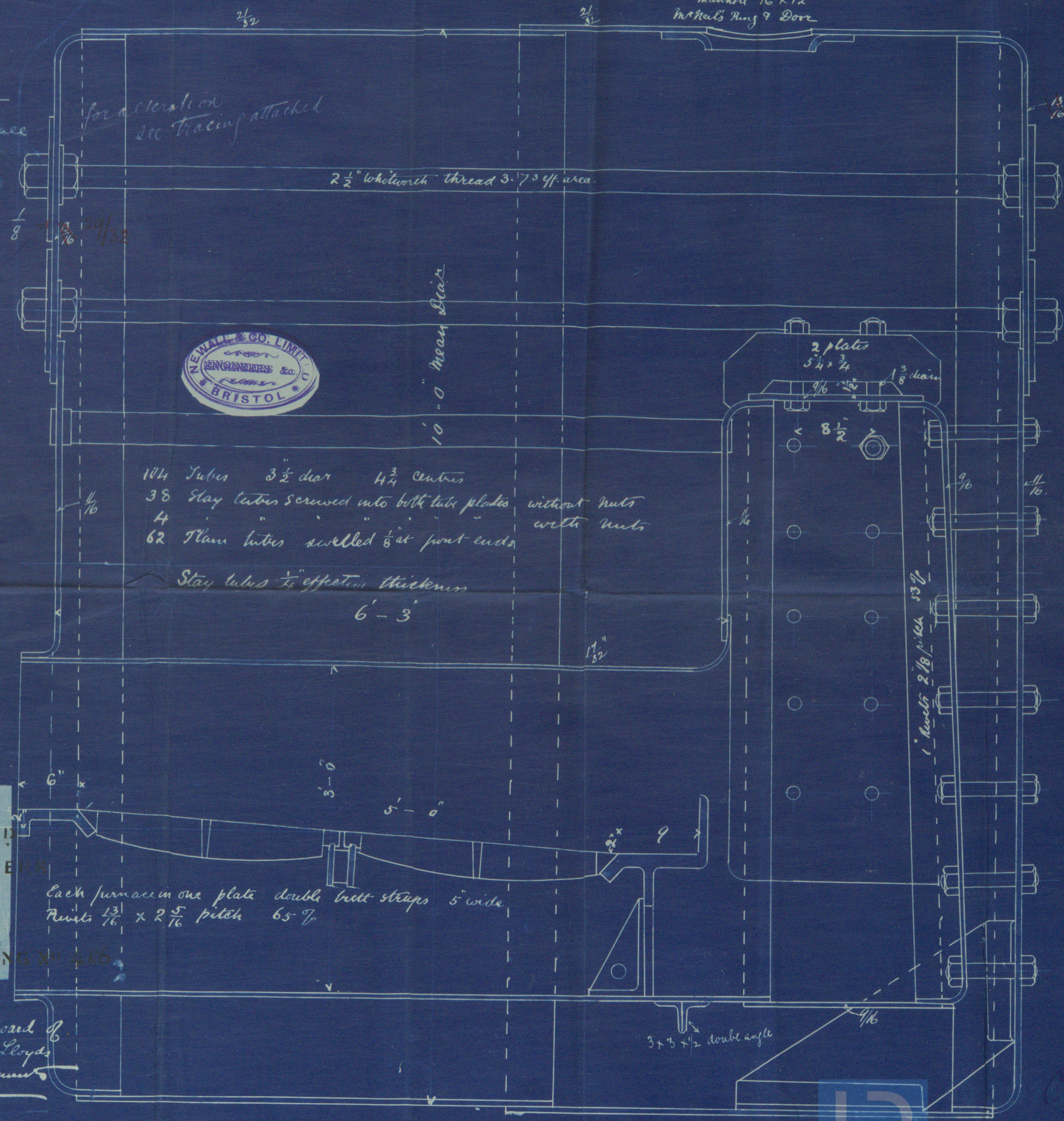
Plate List

Shell	2 off	16'-3 1/4" x 4'-6" x 21/32
	2 off	16'-5 1/4" x 4'-6" x 21/32
Furnace	2 off	9'-6 3/8" x 7'-3" x 31/32
C. Chamber	2 off	9'-4 3/4" x 1'-10" x 9/16
	2 off	8'-5" x 1'-8 1/2" x 9/16
Butts	2 off	5'-9" x 5" x 1/16
Grinders	16 off	2'-1" x 7" x 3/4
Washers	12 off	1 1/2" dia x 1/16
Ends	1 off	to sketch A
	1 off	to sketch B
	1 off	to sketch C
	1 off	to sketch D
C.C. Tube Plate	2 off	to sketch E
C.C. Back	2 off	to sketch F



9'-0" length over all

Manhole 16" x 12"
with Ring 9" Dorr



104 Tubes 3 1/2" dia 4 3/4" centres
38 Stay tubes screwed into both tube plates without nuts
4
62 Flange tubes welded at joint ends
Stay tubes 1/2" effective thickness
6'-3"

Each furnace in one plate double butt straps 5" wide
Rivets 1 3/16" x 2 5/16" pitch 65%

