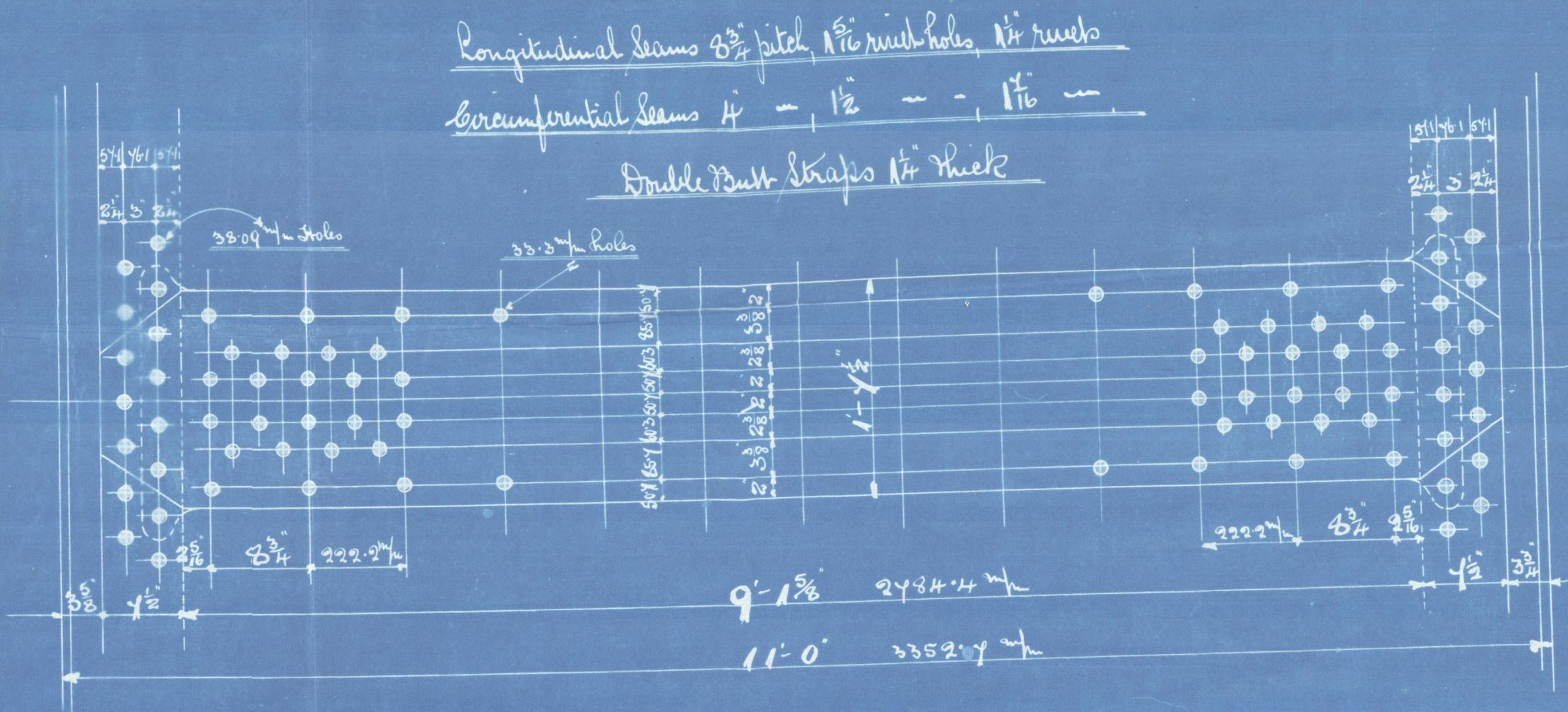
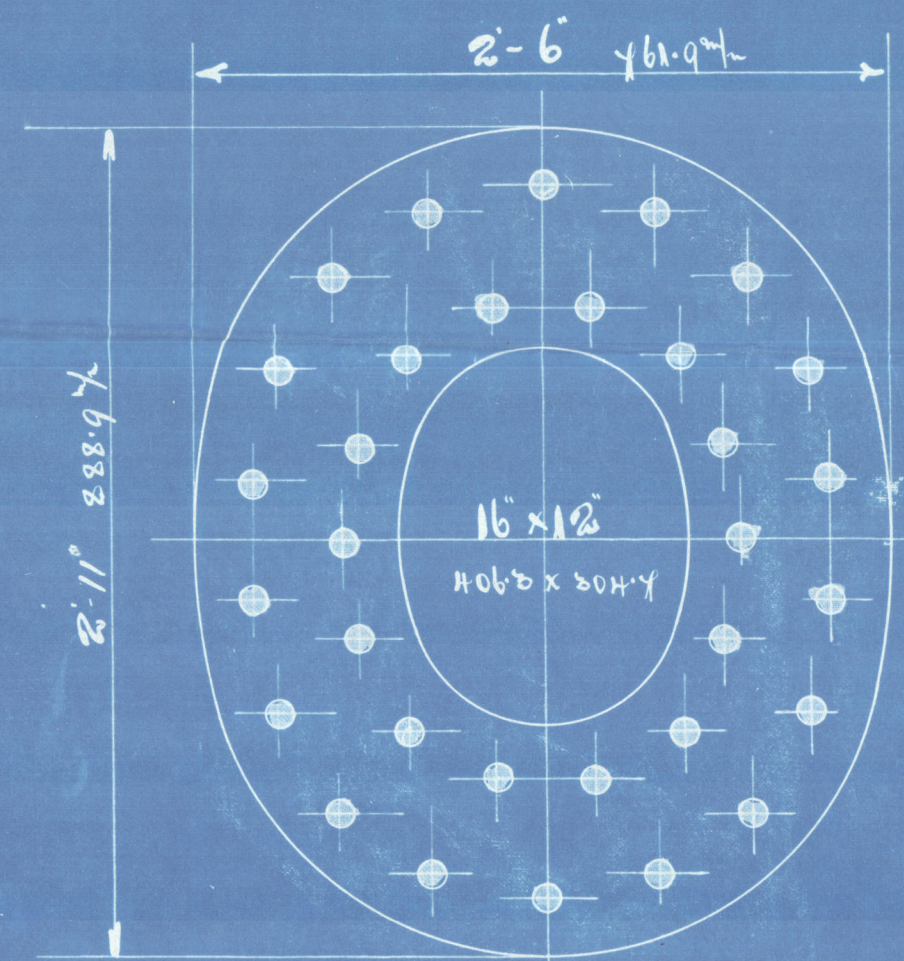
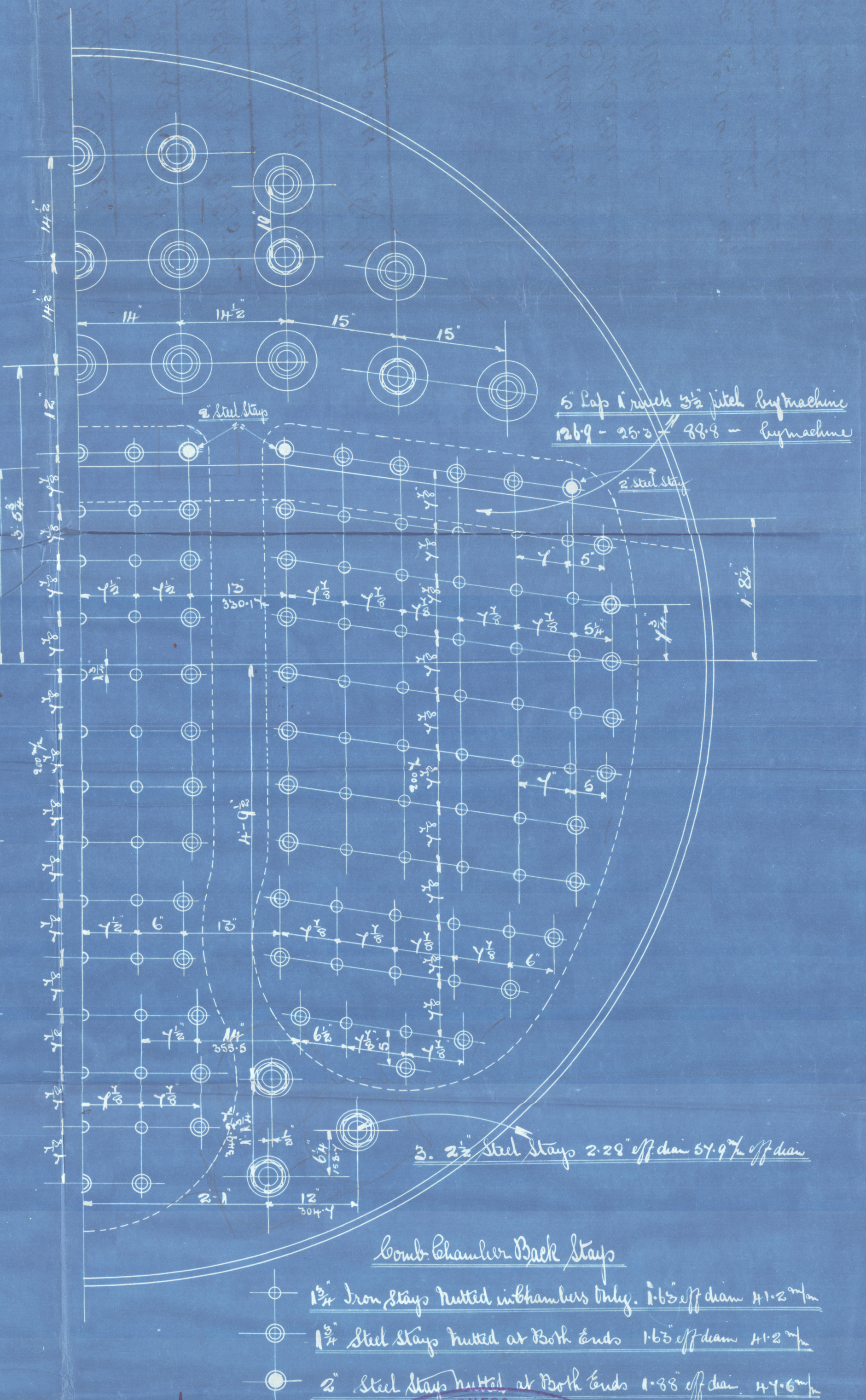
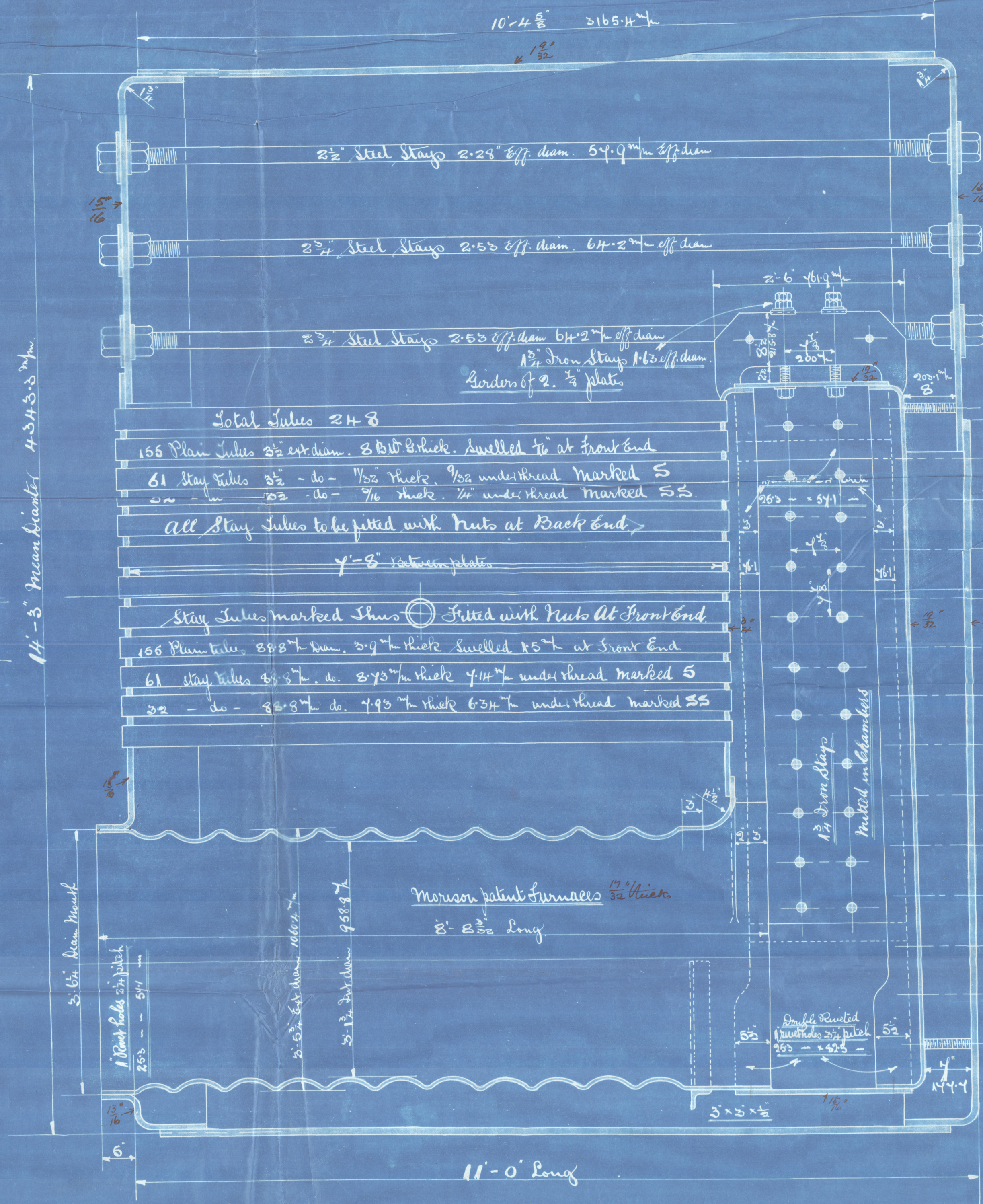
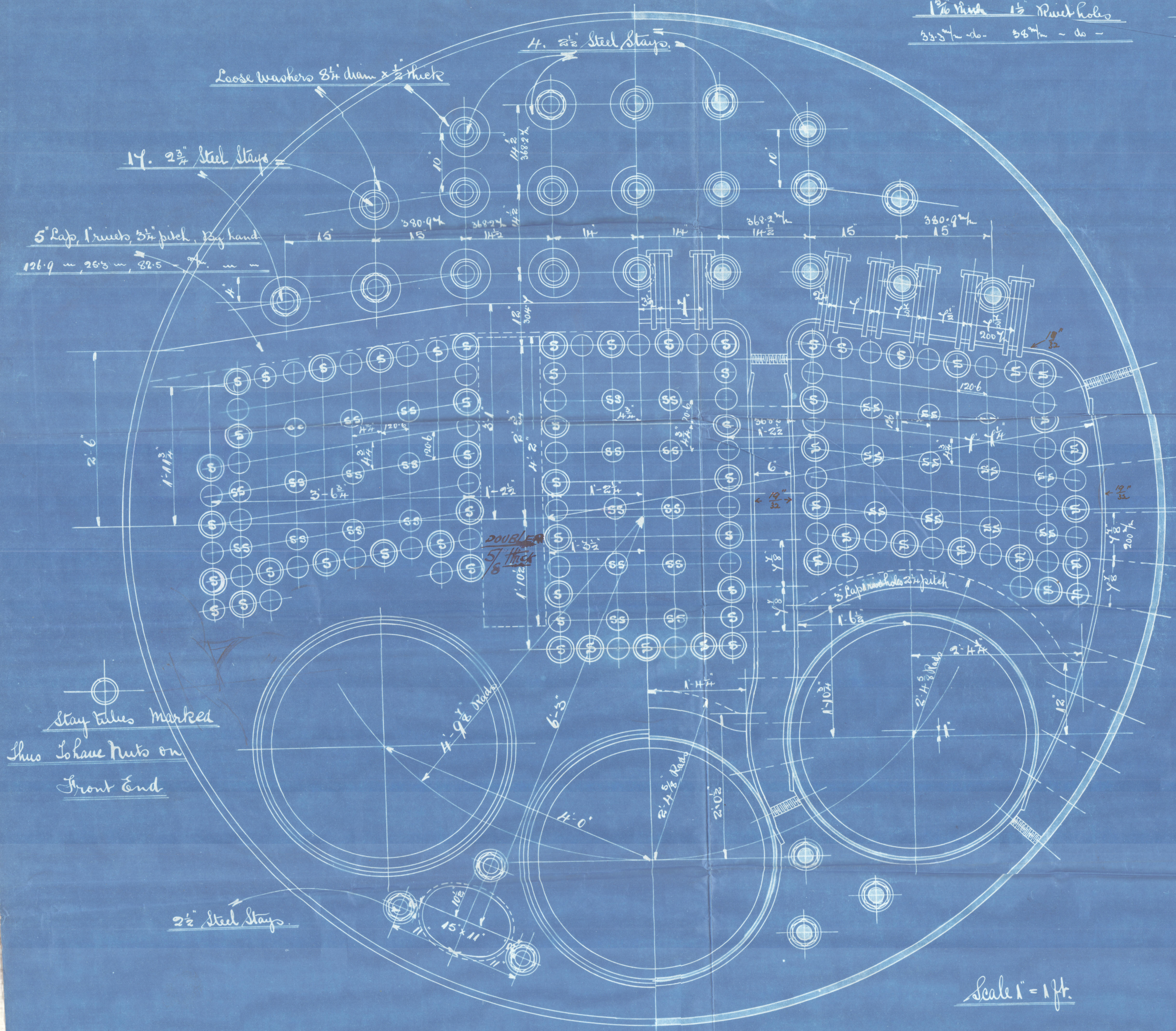


Mr. 300  
2.3.10

Heating Surface	sq ft
Tubes	1425.4
Comb Chambers	119.6
Furnaces	230
Front Tube plate	24
Total	2100
Three Boilers	6300



Thickness of Plates	Inches	mm
Shell plates	1 3/8	34.9
Back Stays	1 1/4	31.7
Top of Ends	1 5/16	29.8
Bottom of Front	1 3/16	26.6
Bottom of Back	1 1/8	22.2
Back Tube plates	2 1/4	41.04
Furnaces	1 3/8	34.9
Ends	1 1/4	31.7
Comb. Cham. Tops	1 3/8	34.9
do. Sides	1 3/8	34.9
do. Backs	1 3/8	34.9
do. Bottoms	1 3/8	34.9



To Pass Lloyd's "German Law" & The Hamburg Police Requirements  
 For a Work Pressure of 180 lbs per sq inch = 12.6 Atmospheres  
 Tensile strength of shell plates 29 to 32 tons per sq inch  
 of all other plates 26 to 29 tons per sq inch  
 of longitudinal stays 24 to 32 tons per sq inch  
 of screw stays 26 to 30 tons per sq inch

## STEEL BOILERS N° 178 - 179 - 180

No 178 For Messrs R. Gragg & Sons 1/2 No 165  
 No 179 For Messrs Furness Withy & Co 1/2 No 251  
 No 180 For Messrs Furness Withy & Co 1/2 No 252

3 OFF To Each Number

C.M.  
8.3.00





Main Boilers.

A. Craggs & Son's N° 165.

Furness, Withey & Co's N° 251 & 2

Furness Westgarth's N° 178, 9, & 80.

Working press = 180 lbs.



s/s "Willow & Elm" - R. C. 165

s/s "Powhatan" - F. W. 251

s/s "Alleghany" - " " 252

Note R. & S. & Co order 449

Furnaces & chambers for  
Messrs Furness Westgarth & Co

No 178 Boilers made by  
Robt. Stephenson & Co. New.

HPL 390-0225

Lloyd's Register  
Foundation