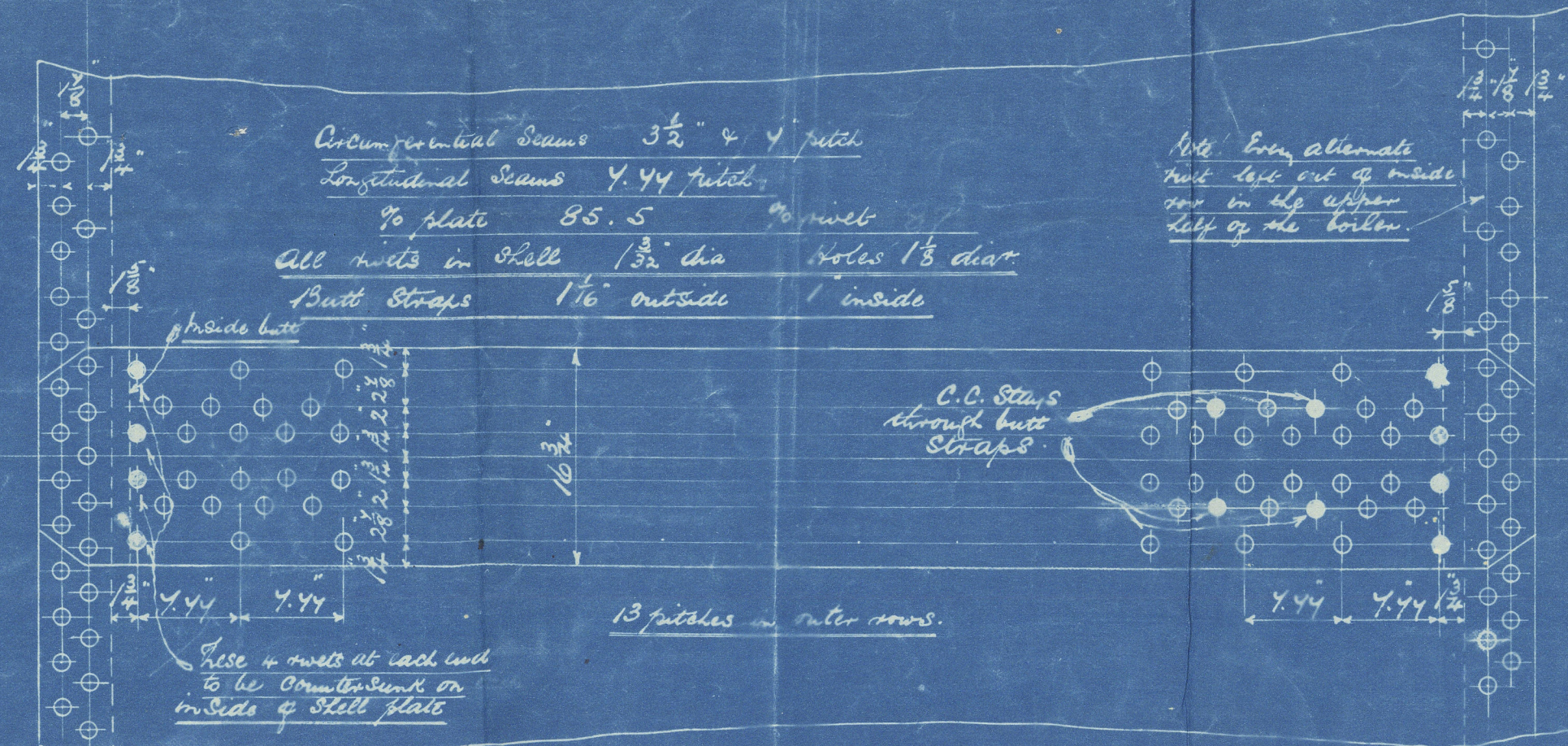
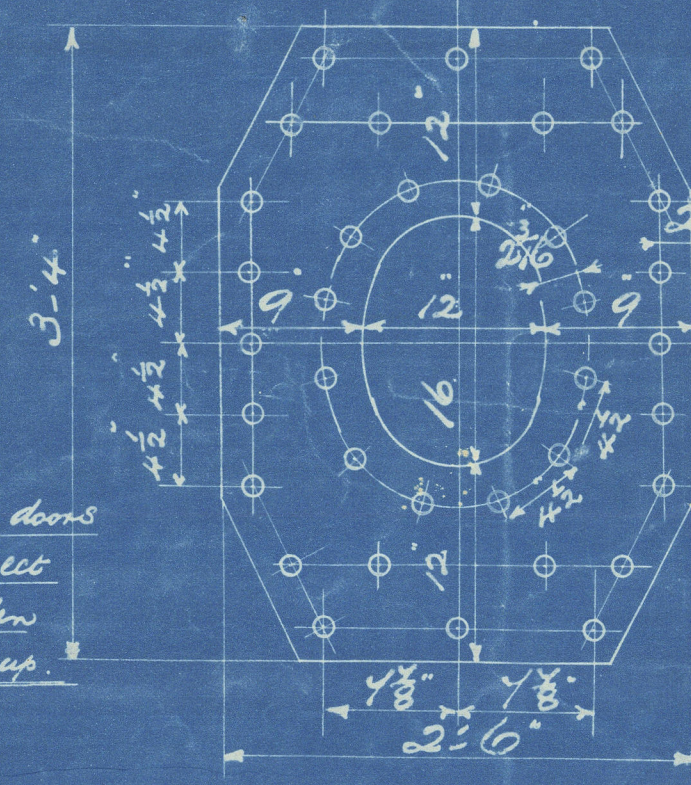


DIA. OF BOILER 13'-6"
 LENGTH OF DO 10'-6"
 NUMBER OF TUBES 192
 LENGTH OF D 6'-8" between plates
 DIA. OF D 32" AREA THRO TUBES 10 sq. ft.
 HEATING SURFACE IN TUBES 1180. sq. ft.
 TOTAL HEATING SURFACE 1520. sq. ft.
 FIRE BAR SURFACE
 DIA. OF SAFETY VALVES
 CUBIC FEET OF STEAM SPACE 290 ft.
 WORKING PRESSURE 180 LBS LLOYDS.

Rounding plate 1/16" thick
 Rivets 1/2" holes 1/8"
 Filler outside shell with
 Bolt axis longitudinally

Studs on handhole doors
 are not to project
 through but when
 nuts are tightened up.

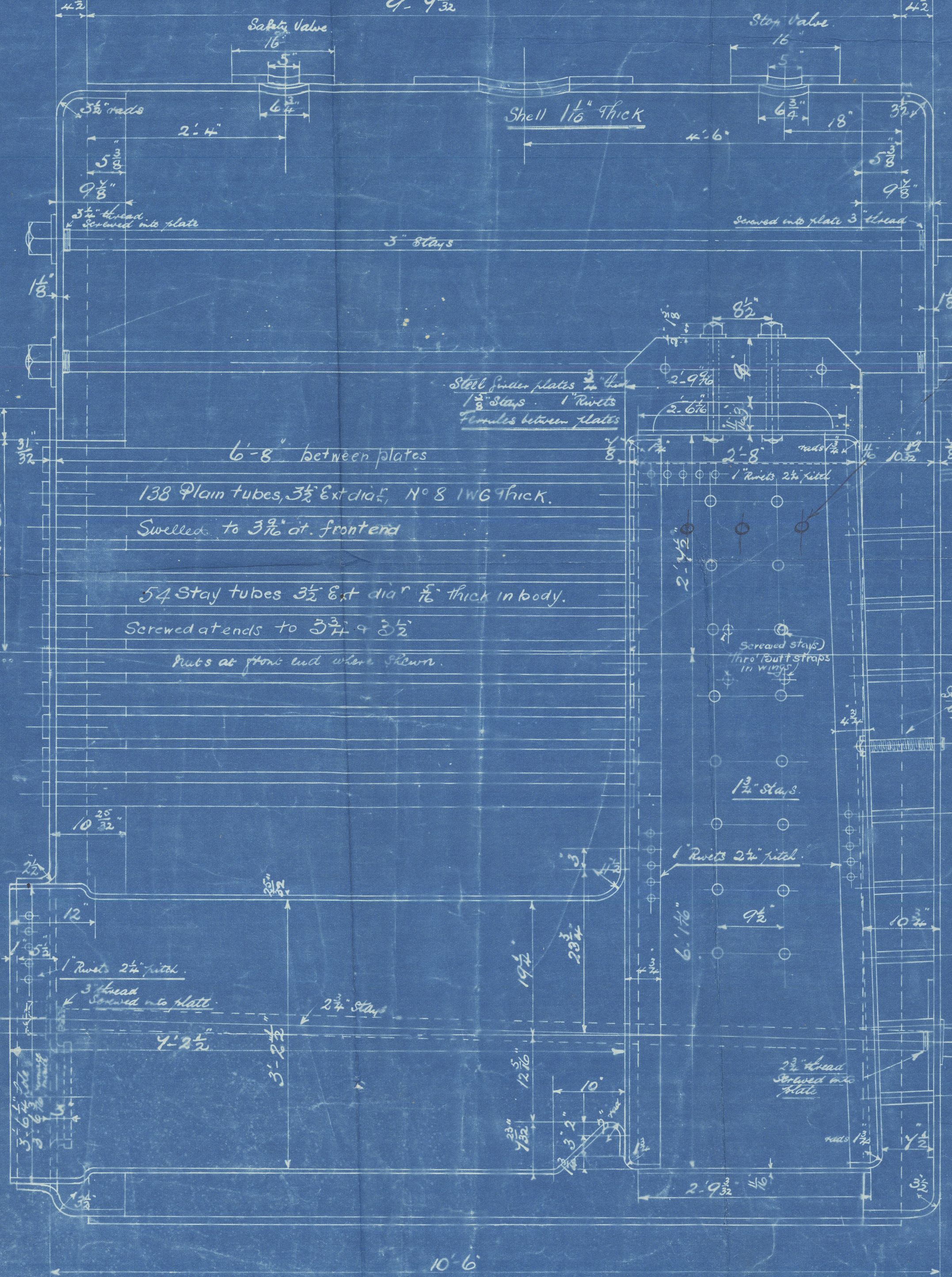
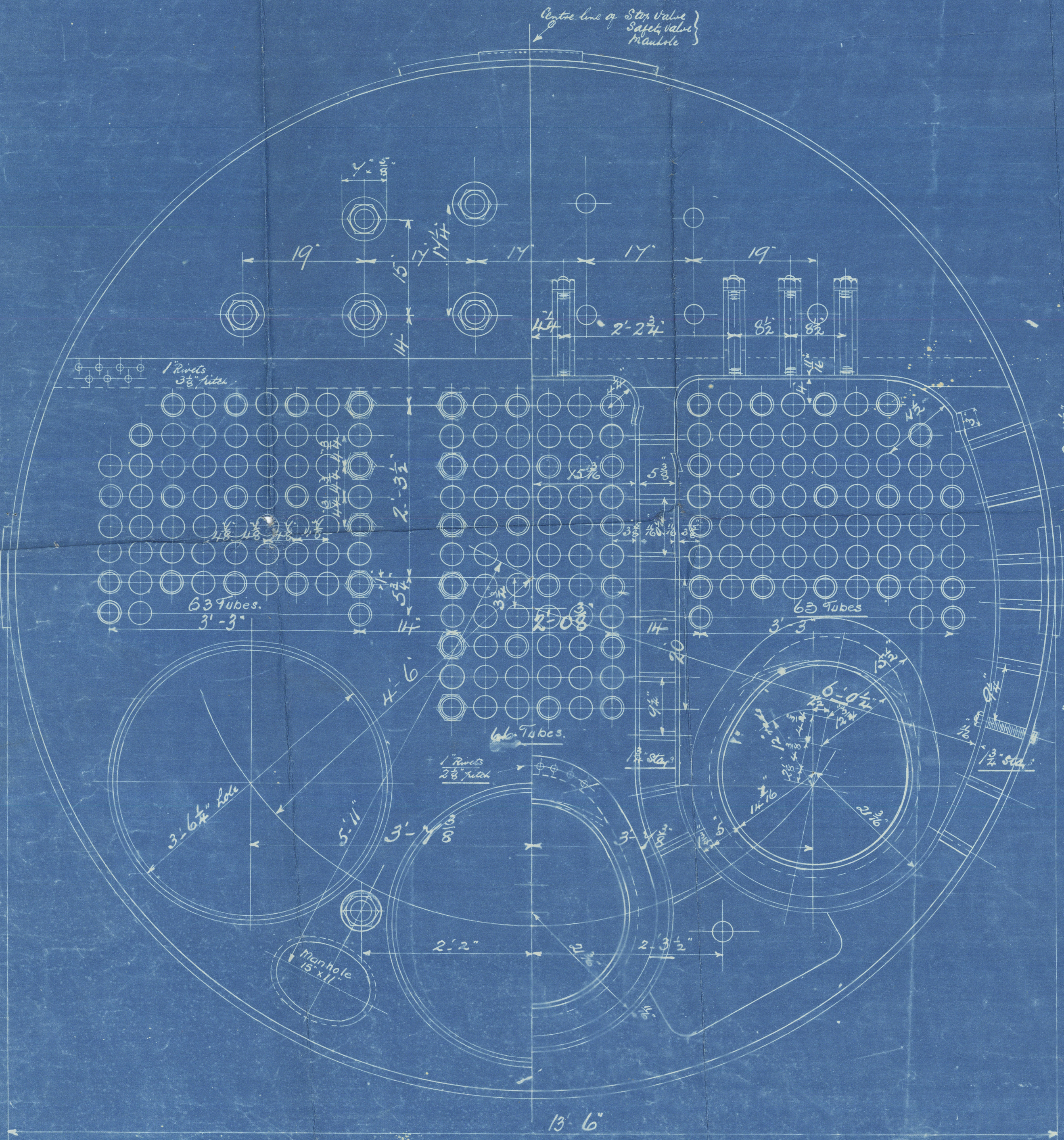


17/4/12

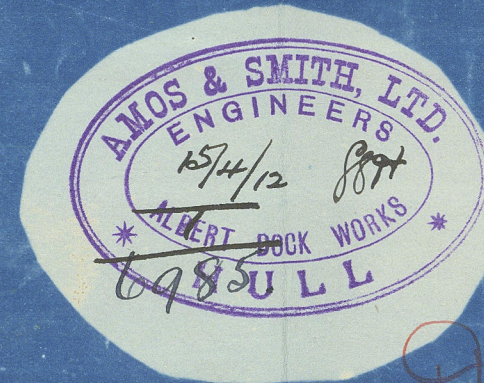
Note: The plates and stays of steel by the Siemens-Martin process
 All holes drilled throughout the boiler, those in shell after
 the plates are bent. All flanged plates to be annealed
 after the plates are bent.
 Stays are not to be welded.
 Tubes are all from C.C. grade plates steel.
 Combustion chamber stays are screwed into both plates.
 No washers inside C.C.
 Tensile strength of shell plates & butt straps
 to be between 29,933 tons per sq. inch.

Particulars of Staying

Stays	Size	No. at interval of 1 ft.	Area at bottom of interval
Steam space stays	3"	6	6.10 sq. in.
Bottom	2 1/2"	6	5.055
C.C. stays	1 1/2"	10	2.394
	1 1/2"	10	2.066
Stay tubes	3 1/2"	9	2.364



Note to be taken that
 C.C. stays at the back
 are not sufficient
 clear of the front plate
 full nuts can be put
 upon the flat plate



2 Sheets Sheet No. 2

10244

STEEL BOILERS NOS 2046 & 47

2202

TITLE Steel Boiler
 FOR WHOM
 DATE 29/4/11
 ORDER No. 2046-4-2202
 F. MADE
 SCALE 1" = 1'

From AMOS & SMITH, Ltd., HULL.

Enclosure for

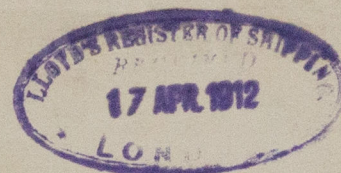
Lloyds Surveyors
Hull

W493-02781712)

Bolton plan
Amos Smith N° 2202

W.P. = 180th. pl.

Ingolfur Amarnon
Hull Report No: 25544.

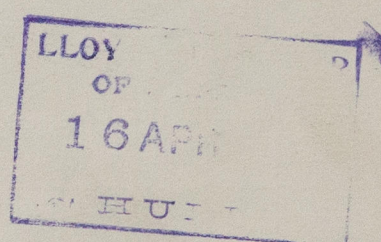


"Ingolfur Amarnon"
Now "Singe"

1928
Lloyds Test-
360 tb
24.9.12.
J.W.G.

Test Marks on
boiler

RETAI



W493-0278(212)



© 2020

Lloyd's Register
Foundation

From AMOS & SMITH, Ltd., HULL.

Enclosure for

*Lloyds Surveyors
Hull*

W493-0278(1/2)