

DIA OF BOILER 10'-4"
 LENGTH OF D^o 9'-3 1/8"
 NUMBER OF TUBES 114
 LENGTH OF D^o 5'-9" B.P.
 DIA OF D^o 3 1/4" AREA THRO B^o 4.9 sq ft.
 HEATING SURFACE IN TUBES 558
 TOTAL HEATING SURFACE 450
 FIRE BAR SURFACE 4'-6" bars 25.5 sq ft
 DIA OF SAF VALVES 2"
 CUBIC FEET OF STEAM SPACE 144
 WORKING PRESSURE 200 lbs. LLOYDS

26/2/08

24/4/08

Doubling plate 3/8" thick
 1 1/2" rivets 1 1/2" holes.
 Fitted outside shell with
 short axis longitudinally

Circumferential Seams 3/4" pitch
 % plate 65.4
 % rivet 53.6

Longitudinal Seams 7/8" pitch
 % plate 85.24
 % rivet 100

Double butt straps 3/8" thick 1 1/2" rivets 1 1/2" holes

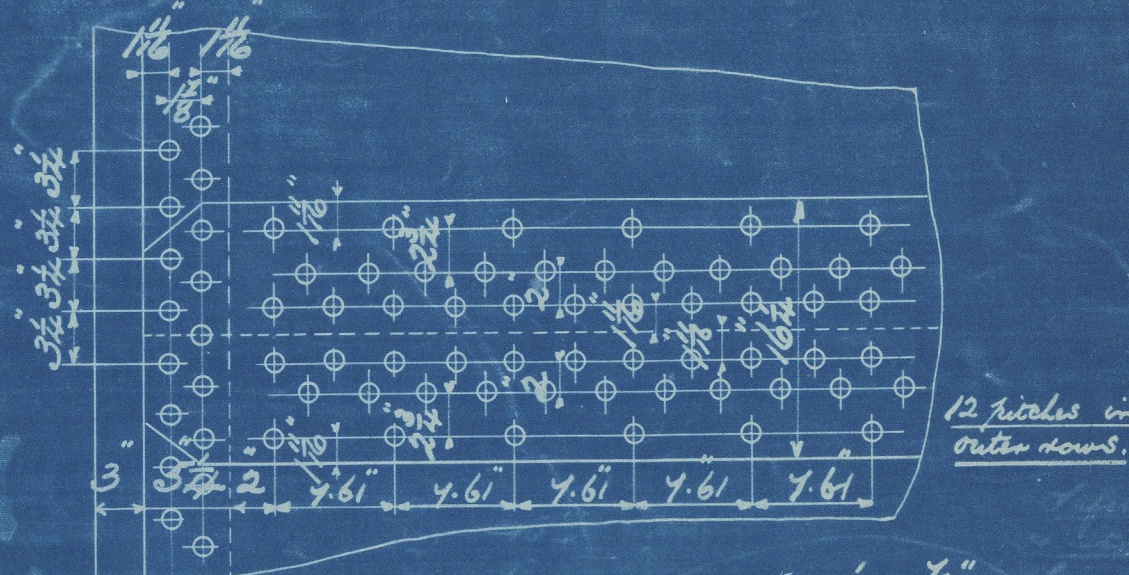
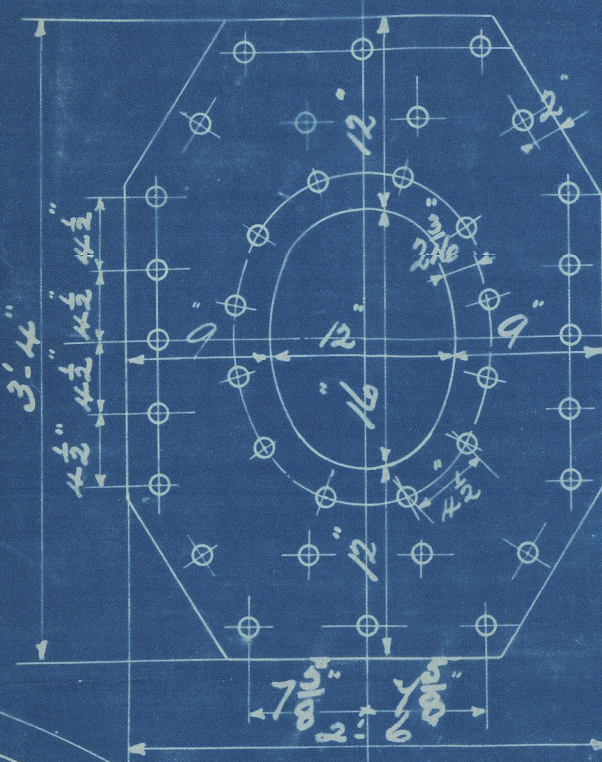
Note!
 The plates, rivets and straps of steel by the Siemens-Martin process.
 All rivet holes drilled throughout the boiler; those in shell and the plates are bent.
 All flanged plates to be annealed after the plates are bent.
 Straps are not to be welded.
 The tensile strength of the shell plates to be between 28 & 32 tons per sq in.
 The combustion chamber stays are screwed into web plates and fitted with
 nut at each end. Washers on outside of shell only. None inside C.C.

Particulars of stayage.

Stays	Dia	No. of stays per inch.	Sq. area at bottom of thread
Steam space stays	2 1/2"	6	4.108 sq in
Tube plate	2"	8	2.66
Bottom	3 1/4"	6	5.055
Stay tubes	3 1/2"	9	2.174
C.C. Stays.	1 1/2"	10	2.066
"	1 1/8"	10	2.394

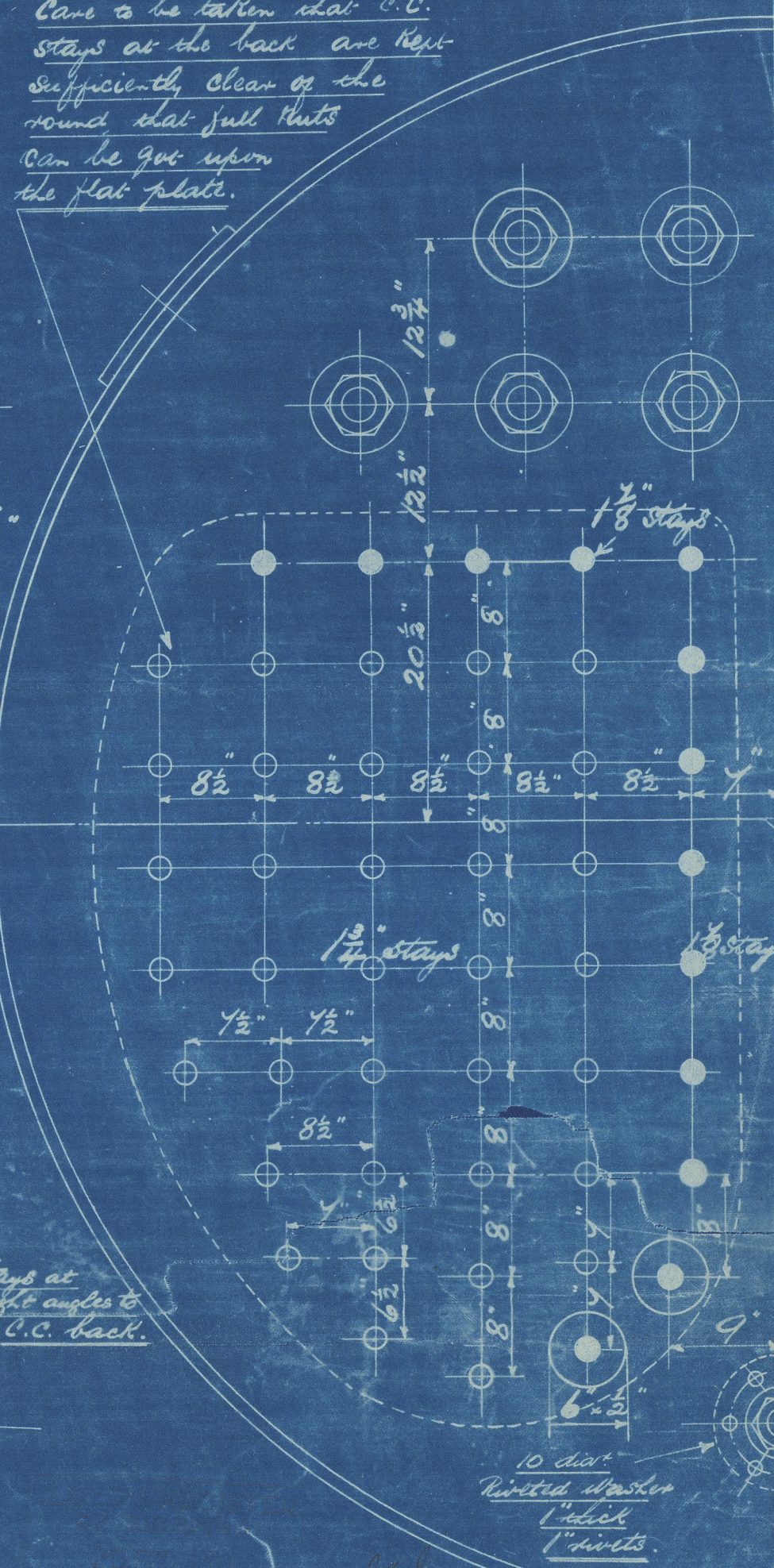
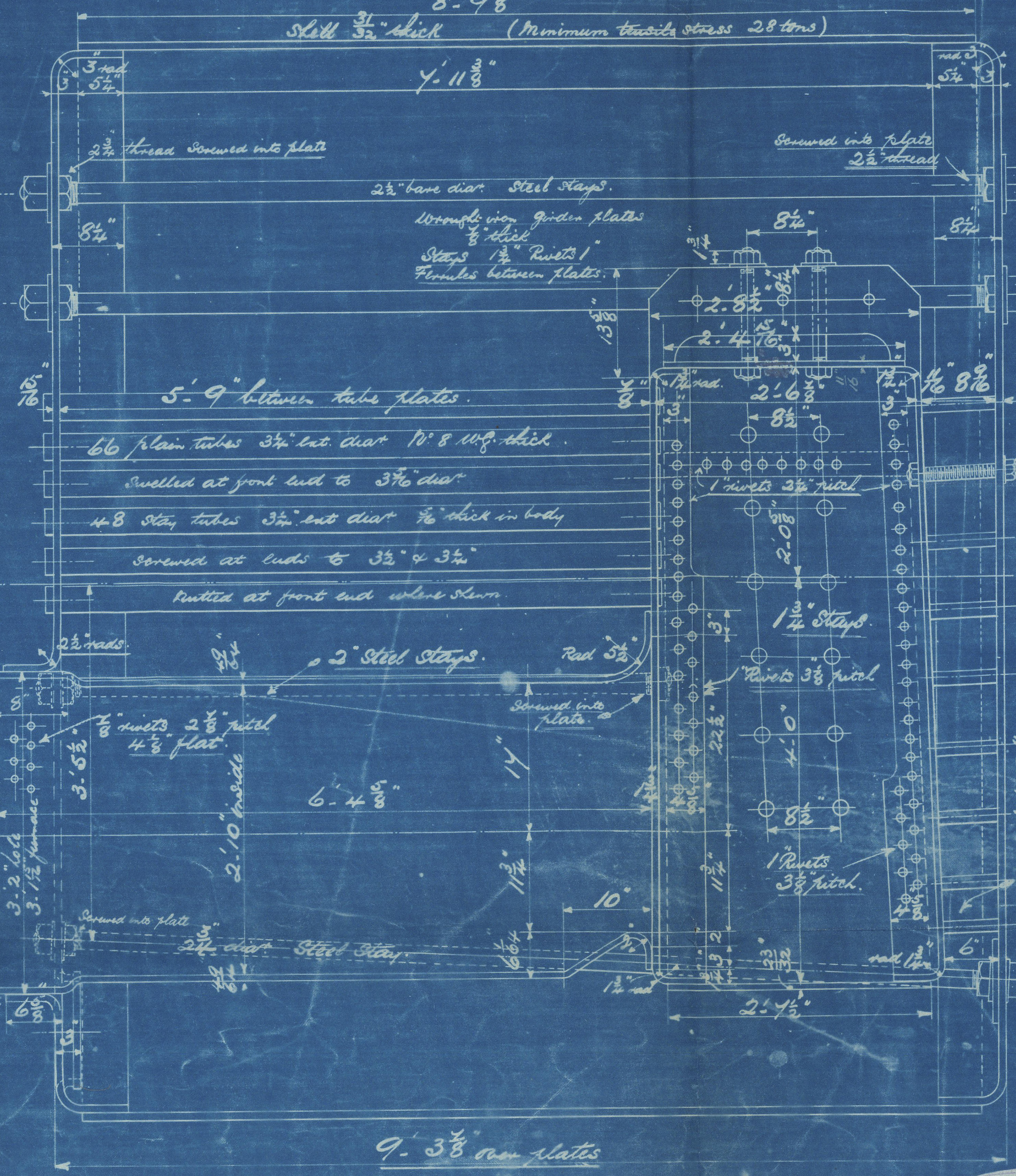
R

9'-8"



Shell 3/8" thick (Minimum tensile stress 28 tons)
 4'-11 3/8"

Care to be taken that C.C.
 stays at the back are kept
 sufficiently clear of the
 round that full nuts
 can be got upon
 the flat plate.



1614

AMOS & SMITH
 ENGINEERS
 WERT DOCK WORKS
 HULL

3 STEEL BOILERS

N^o 1440. I. 2.

AMOS & SMITH
 ENGINEERS
 24/2/08
 1440-1-2

TITLE Steel Boilers
 FOR V.M.T. Nelson's S.F. O.T.
 24/2/08
 N^o 1440-1-2

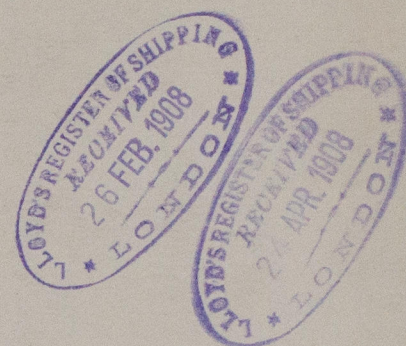
RETAIN

-Boiler Nos 1440-1st 2 - 3.

Messrs Amos & Smith

Hull

lls
200 w.p.



w938-0084

s/s 'Celid' Hull Rpt No. 20,331



© 2020

Lloyd's Register
Foundation

From AMOS & SMITH, HULL.

Enclosure for

Lloyds Surveyors.

Hull.

W938 - 0084 1/2

NUMBER OF TUBES

LENGTH OF DO

DEAR OF DO