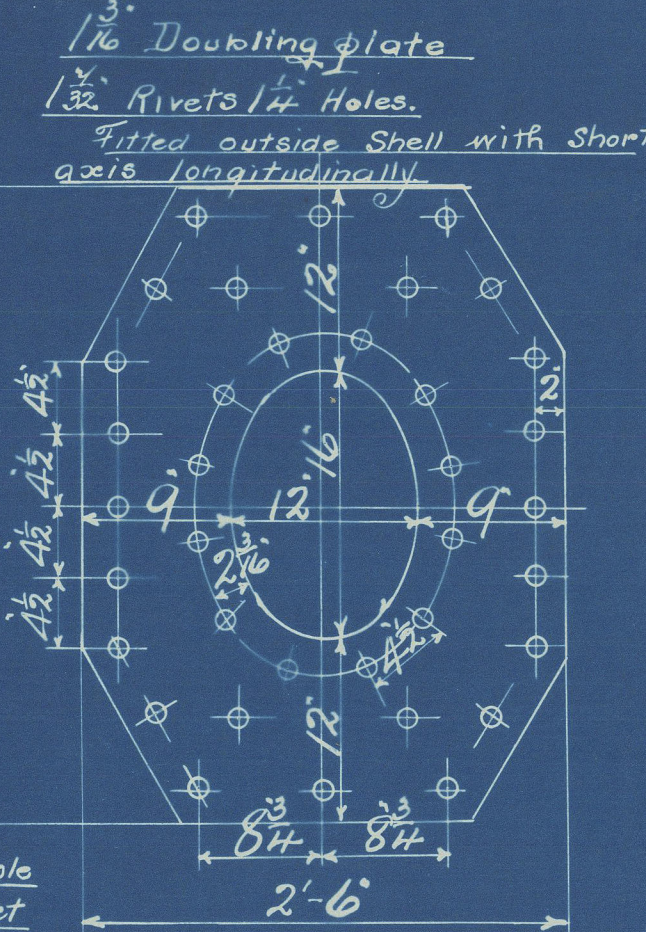


DIA OF BOILER 13'-11 $\frac{3}{8}$ "  
 LENGTH OF DO 10'-4 $\frac{6}{16}$ "  
 NUMBER OF TUBES 206  
 LENGTH OF DO 6'-8" between plates.  
 DIA OF DO 3 $\frac{1}{2}$ " AREA THRU TUBES 10.4 Sq feet.  
 HEATING SURFACE IN TUBES 1260 Sq feet.  
 TOTAL HEATING SURFACE 1611 Sq feet  
 FIRE BAR SURFACE 5'-0" Bars 14.8.125 ft.  
 DIA OF SAF VALVES  
 CUBIC FEET OF STEAM SPACE 32.4 Cft. (6' above C.C.)  
 WORKING PRESSURE 200 LBS LLOYDS

2/5/10



Note: Studs on manhole doors are not to project through nuts when nuts are mipped up.

Circumferential Seams.

1 3/8 Rivets 1 1/4 dia hole

% plate 64.0.

% Rivet.

Longitudinal Seams.

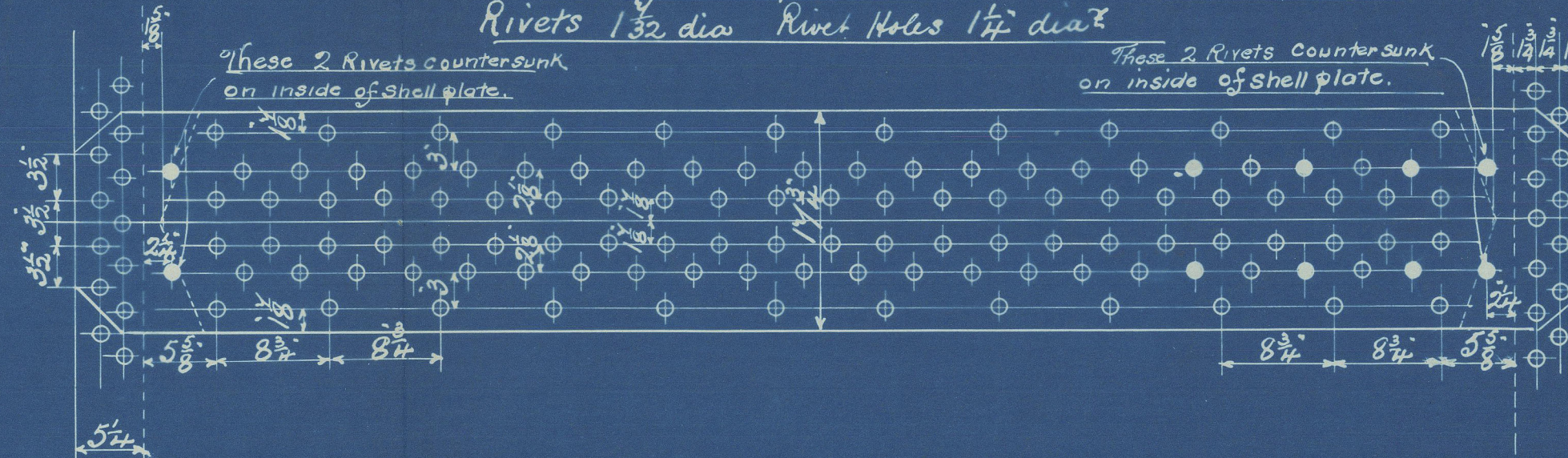
1 3/8 Rivets 1 1/4 dia holes.

% plate 85.71

% Rivet 84.83.

Double butt straps 1 1/2 Thick outside 1 3/8 thick inside

Rivets 1 3/8 dia Rivet Holes 1 1/4 dia



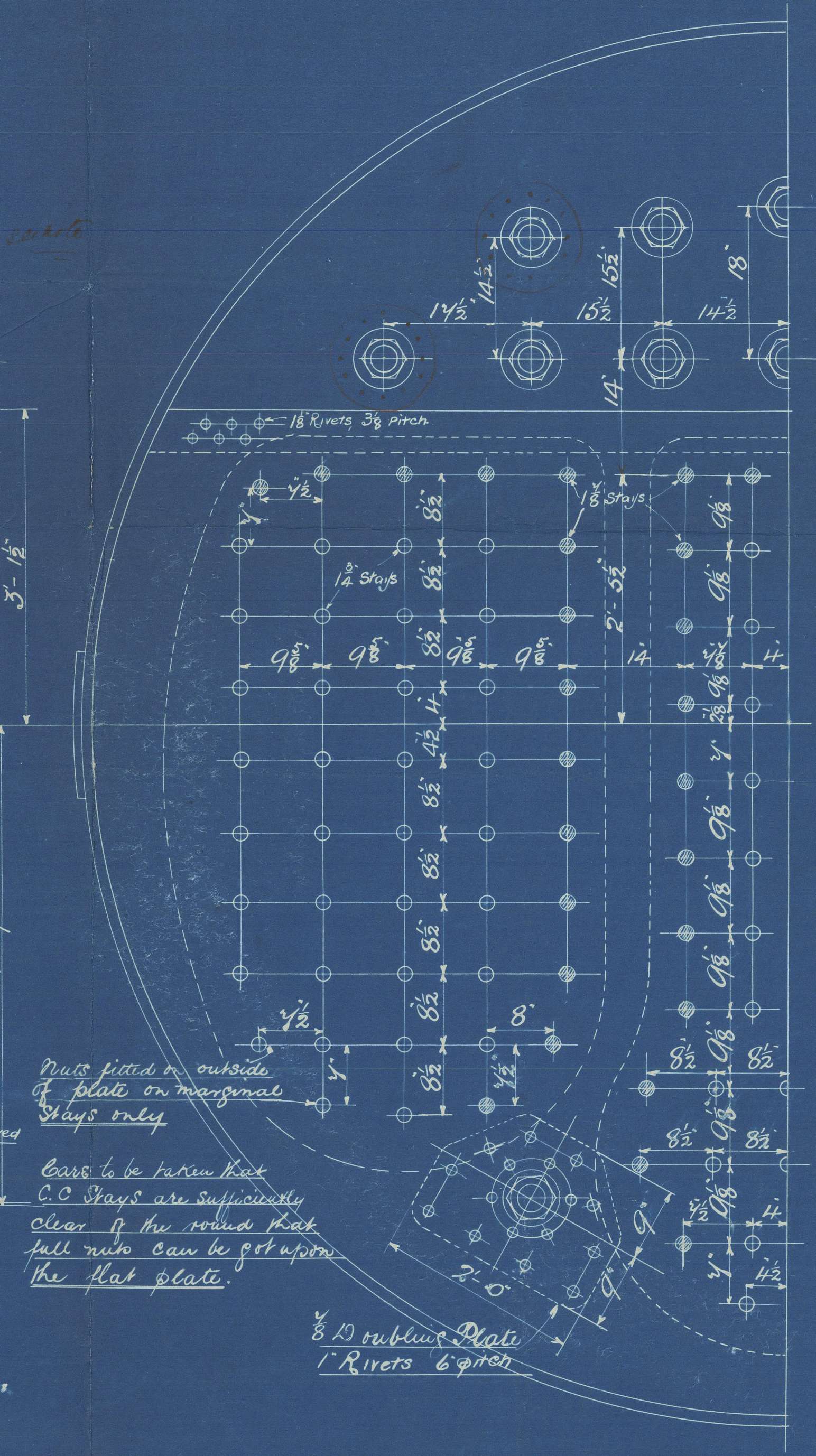
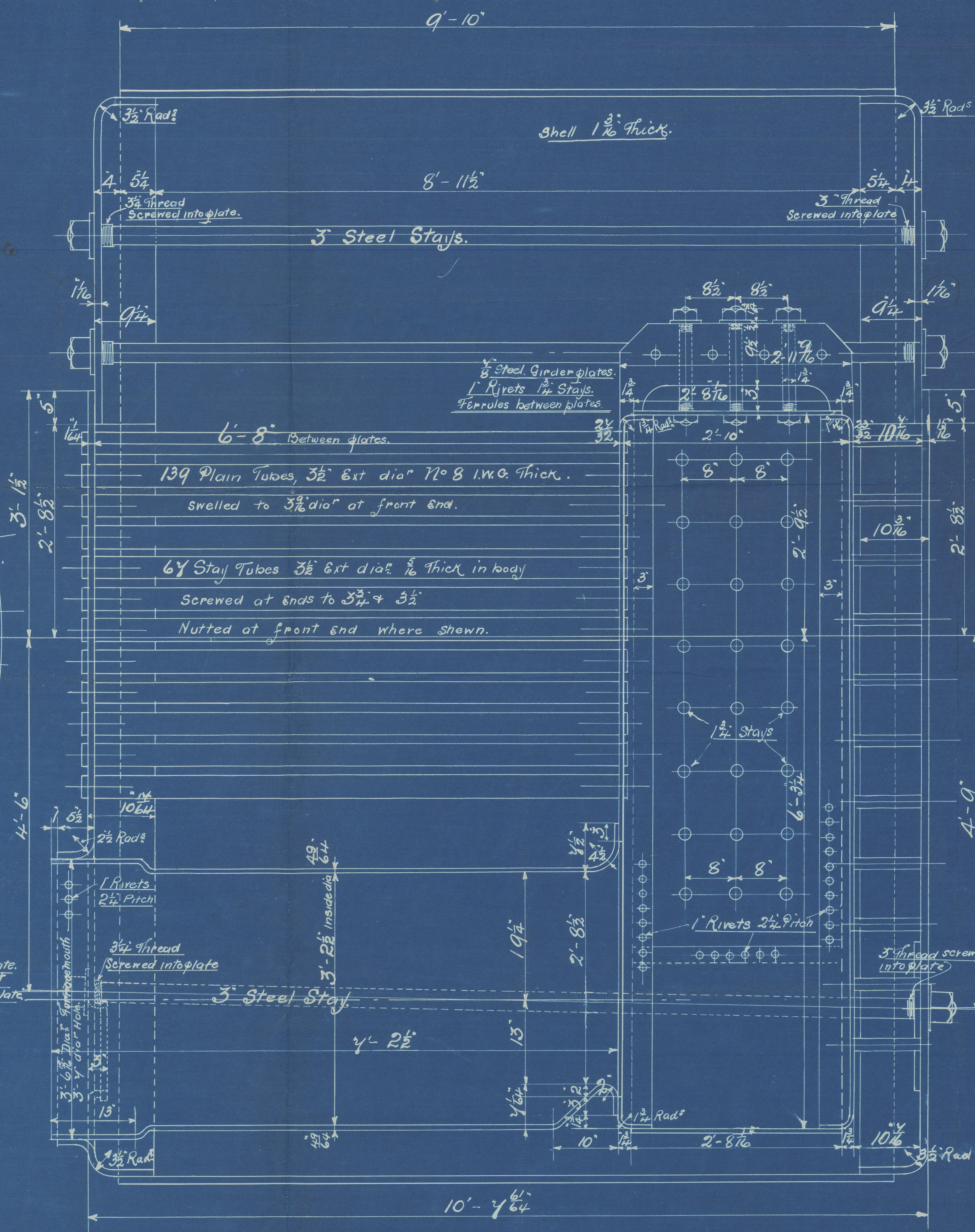
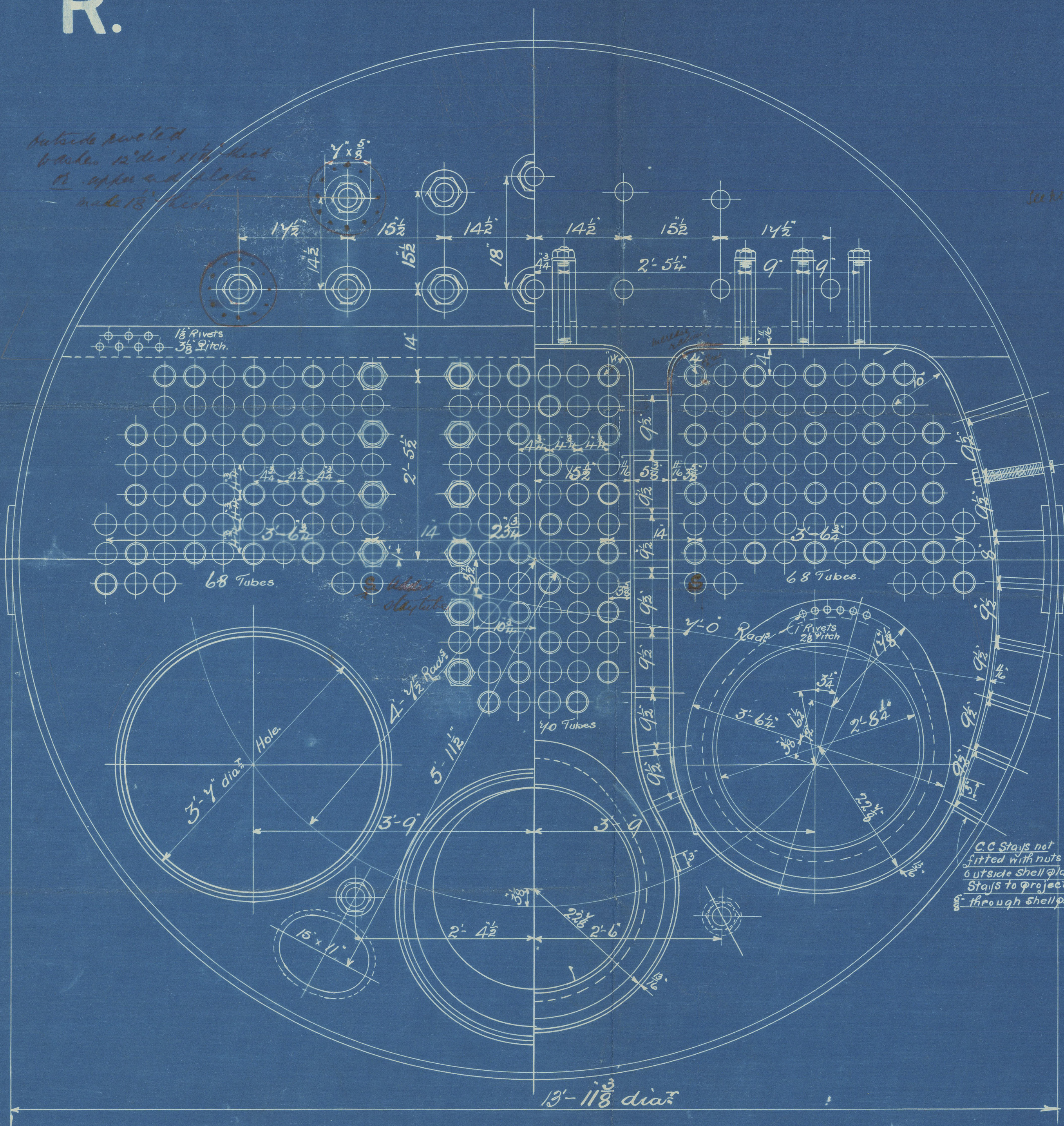
Note!

The plates rivets & stays of steel by the Siemens Martin process.  
 all rivet holes drilled throughout the boiler. Those on shell  
 after the plates are bent.  
 All flanges plates to be annealed after the plates are bent.  
 Stays are not to be welded. Tubes are of iron.  
 The tensile strength of the shell plates & butt straps  
 to be between 29 & 33 tons per sq inch.  
 The Combustion chamber stays are screwed into both plates &  
 fitted with nuts at inside of C.C only.

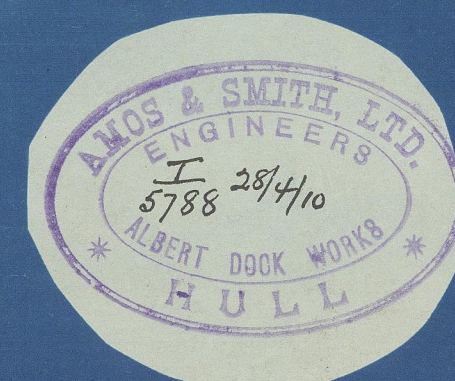
Particulars of Stayings

Stays	Dist	Stays	Dist	Stays	Dist
Steam space stays	3"	6"	6"	6"	6"
Bottom stays	3"	6"	6"	6"	6"
C.C. stays	1 1/2"	10"	10"	10"	10"
Stay tubes	3 1/2"	9"	9"	9"	9"

R.



AMOS & SMITH LTD  
 ENGINEERS  
 ALBERT DOCK WORKS  
 HULL



STEEL BOILER N° 1833.

10276.

TITLE Steel Boiler  
 FOR WHOM Messrs Pickering & Haldane.  
 DATE 28/4/10  
 ORDER N° 1833  
 IF MADE  
 SCALE 1" = 1 foot



From AMOS & SMITH, Ltd., HULL

Enclosure for

Messrs *Lloyds Surveyors*  
*Lloyd's Register*  
*Hull*

W920-0109 1/2

LENGTH OF

RETAIN

- Boiler Plan -

Amos & Smith's

No 1833

W920-0109



W. P.  
200 lbs

for Christopher

Hull Report No. 23501



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Lloyd's Register  
Foundation