

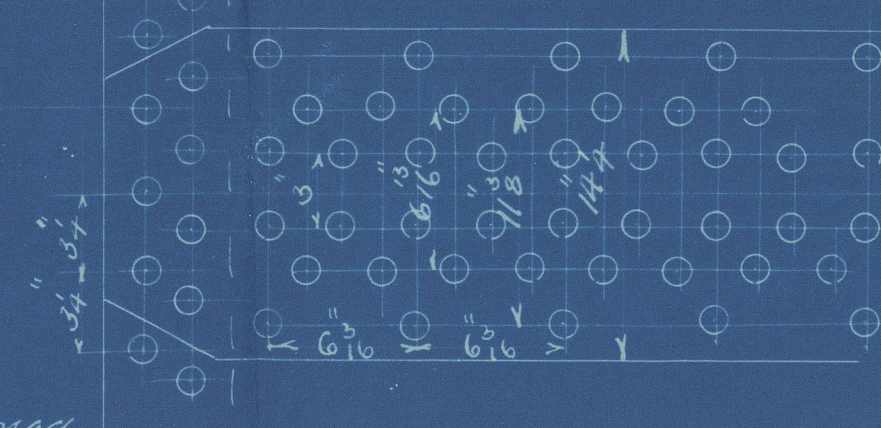
5/2/09

# DIMENSIONS

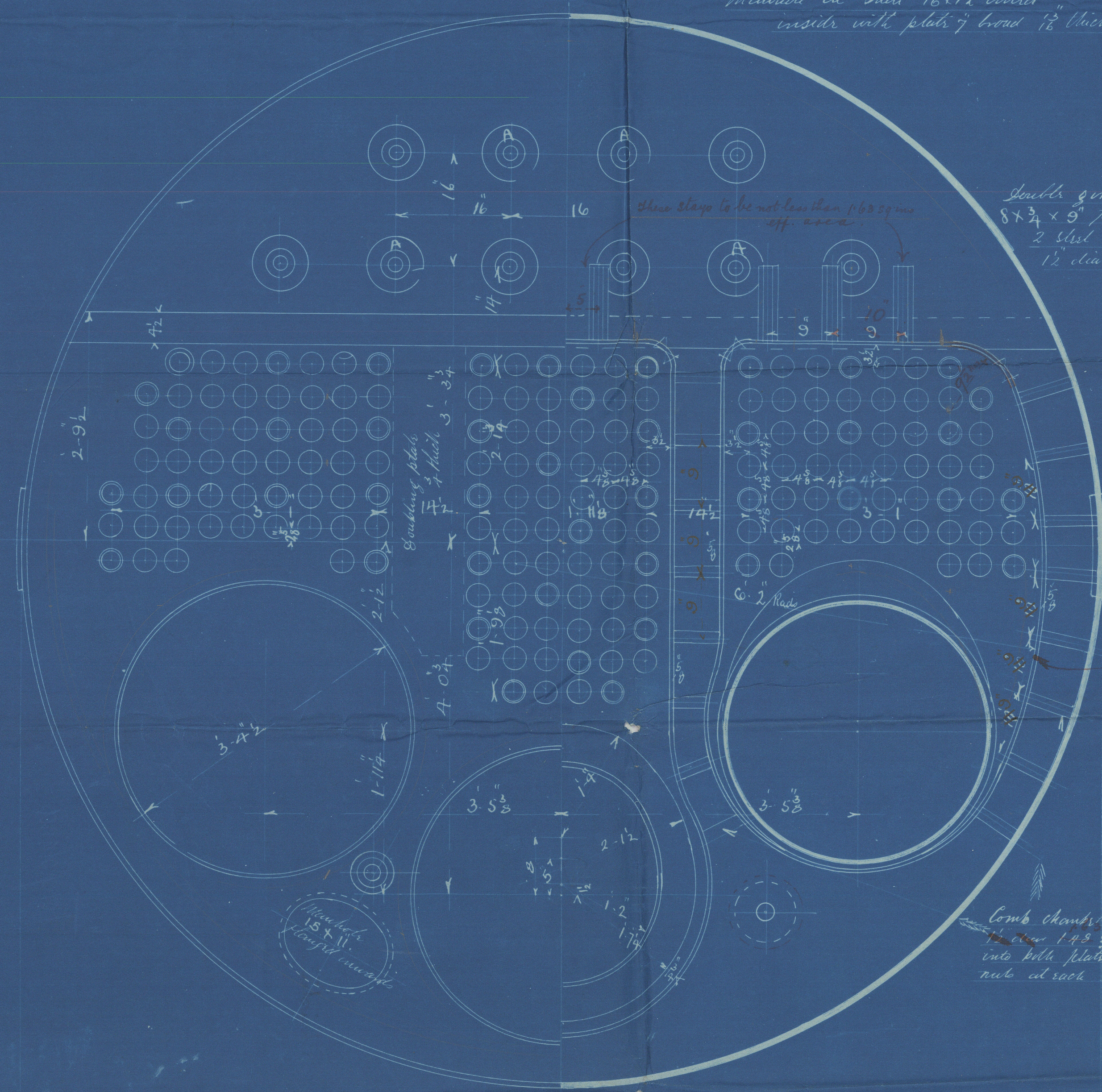
LENGTH OF FIRE BARS	5.6
AREA OF FIRE GRATE	51.56
DIAM. OF TUBES OUTSIDE	3.2
LENGTH OF TUBES	6.82
NO OF TUBES	172
SURFACE OF TUBES	1032.4
TOTAL HEATING SURFACE	1352.4
WORKING PRESSURE	150 lbs
DIAM. OF SAFETY VALVE	3"

Particulars of Riveting  
Shell Longitudinal joints double riveted double butt straps  
Tubes drilled  $\frac{1}{4}$  dia 6 $\frac{3}{8}$  pitch  
Circumferential frame double riveted lap joints  
Tubes drilled 1 dia 3 $\frac{1}{4}$  pitch  
Turnovers front and saufs riveted back double to top of furnace  
Comb chamber lugs riveted at sides & l.  
Every 4th rivet in inner row of circumferential frame  
to be omitted in top third of boiler

Manhole in shell 16x12 lower  
inside with plate  $\frac{1}{2}$  thick



Plates 25%  
Rivets 25%  
Butt straps of equal width to  
outside butt  $\frac{1}{2}$  thick  
Inside butt  $\frac{1}{4}$  thick

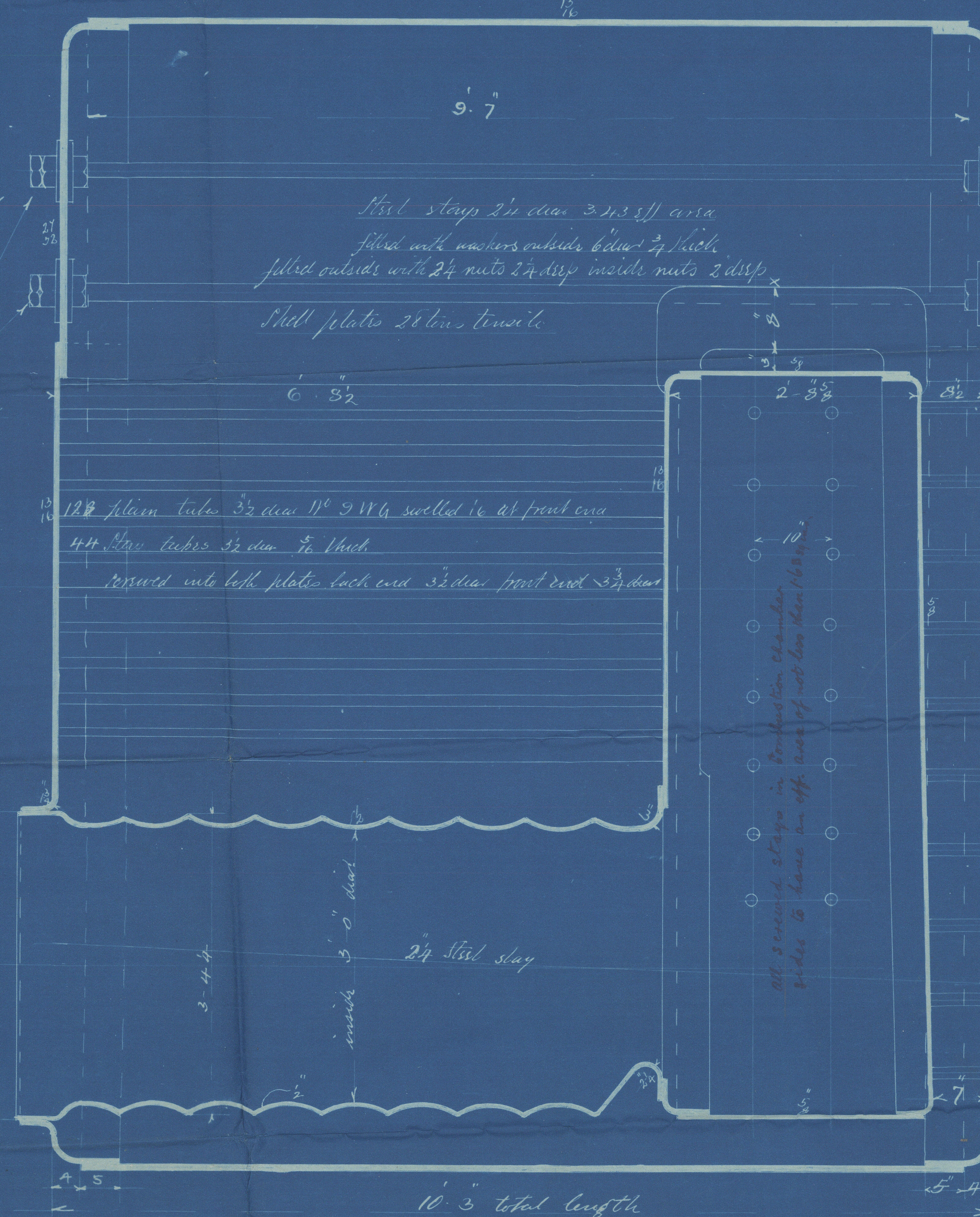


Double girth stays of steel  
8x3 x 8 pitch, filled with  
2 steel supporting lugs  
12 dia 10 pitch

Stays marked A only

Plates more than stays  
are 5' x 10' pitch

Comb chamber stays of steel  
12 dia 14.3 ft area removed  
into both plates & filled with  
nuts at each end



Steel stays 2 1/2 dia 3.43 ft area  
filled with washers outside 6 dia 2 1/2 thick  
filled outside with 2 1/4 nuts 2 1/4 deep inside nuts 2 disp

Shell plates 28 lbs tensile

12 1/2 plates tubes 3 1/2 dia 11' 9 1/4 welded in at front end  
44 1/2 plates tubes 3 1/2 dia 7' 1/4 thick  
removed into both plates each end 3 1/2 dia front end 3 1/4 dia

2 1/4 steel stay

10' 3" total length



Steel stays 12 dia  
14.3 ft area

Stays marked thus  
to be 12 for 176 ft area  
2 1/4 stay 3.43  
ft area filled  
with washers 8 dia  
Riveted Washers not less than  
9" dia x 7/8" is to be filled

BOILER N° 881

CHARLES D HOLMES & CO LTD  
ENGINEERS & BOILER MAKERS  
HULL 2/2/09

268.  
5/2/09  
2/2/09

WJ015-0156



-Boiler Plan-

Charles W. Holmes & Co Ltd

No 881

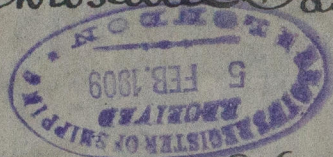
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9510-5101M

W.P.

130 lbs

Christina Dawn



s/s <sup>ex</sup> Shottow

Hull Report No. 21.300

Torjysland

RETAIN



9510-5101M



Lloyd's Register  
Foundation