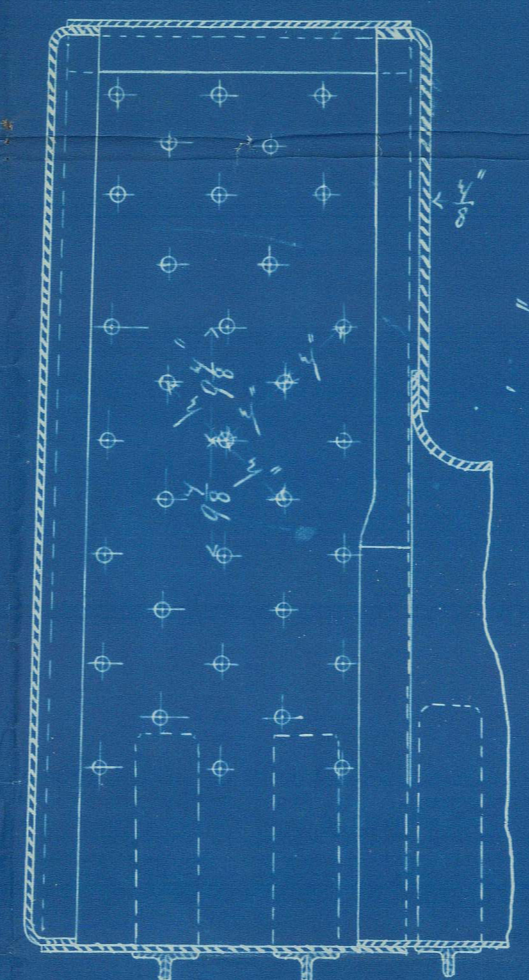


Ltr 30/11/07

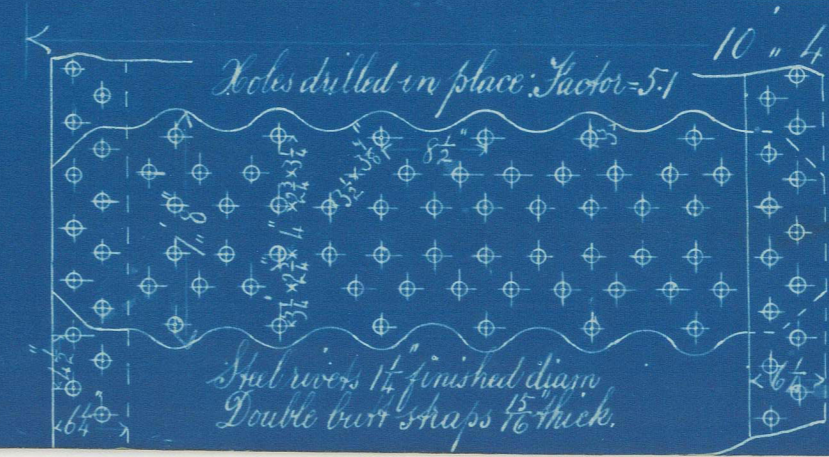
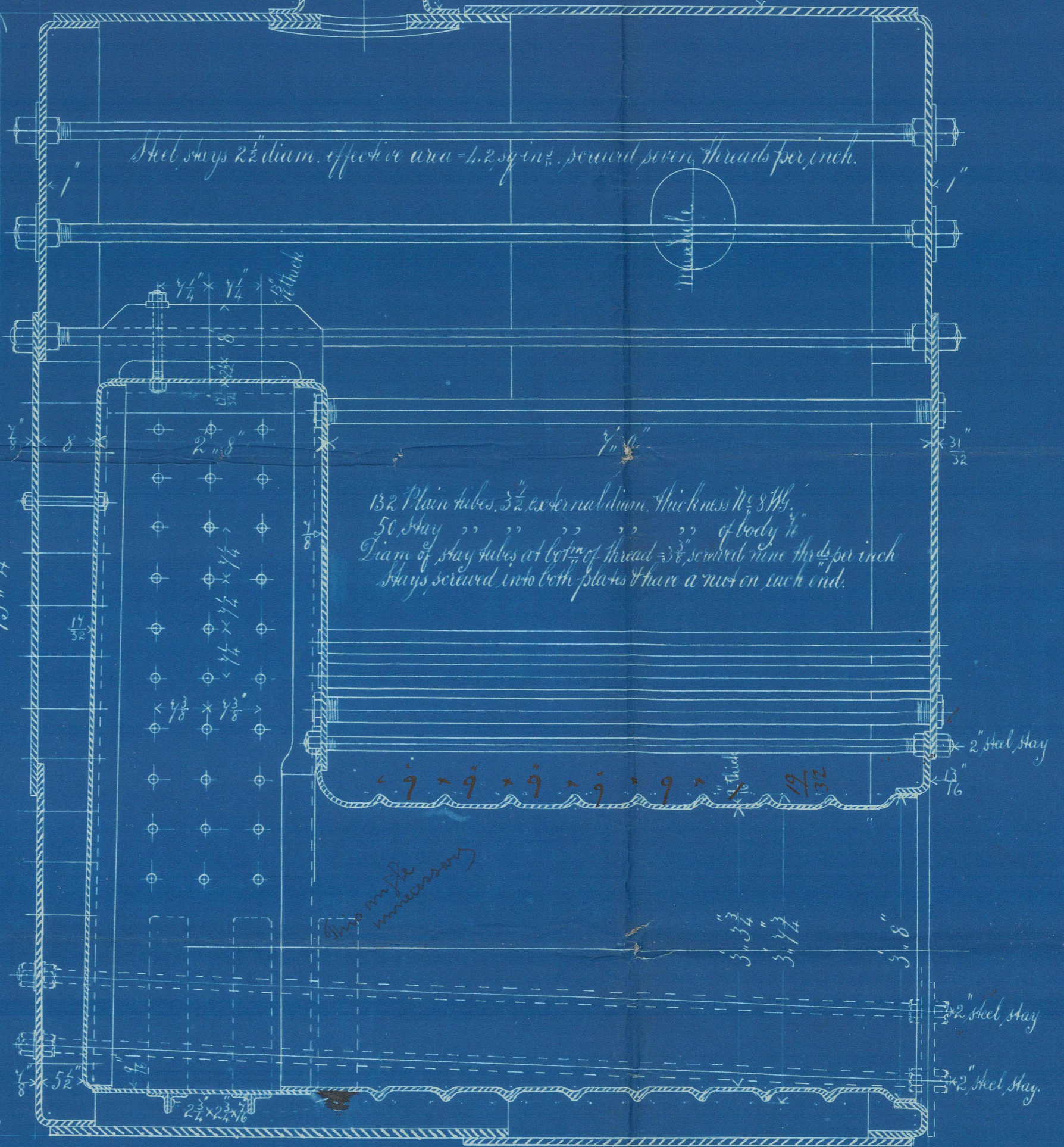
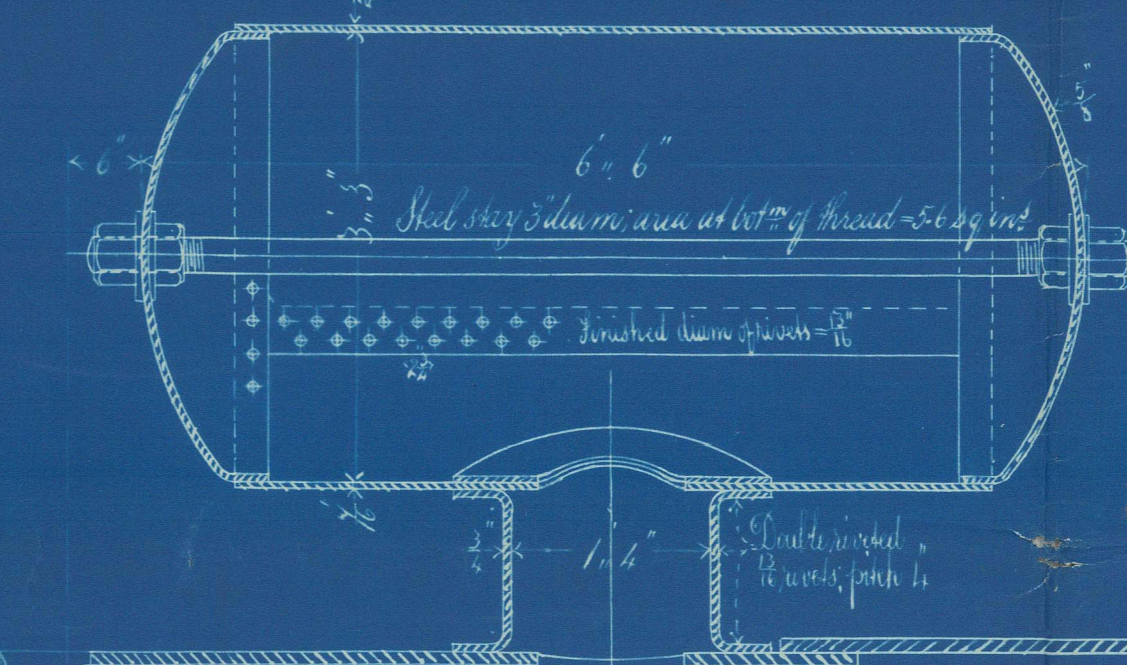
S. S. INANDA  
Abn Rep<sup>c</sup> 3870-

Working pressure	
Plate section	
Rivet "	
Circumferential shell	
End upper plates	
" " " stays	
Outer tube plate	
Inner " "	
Stay tubes	
Combustion chamber, sides tubes & stays	
" " " " stays	
" " " back stays next to water spaces	
" " " girdle stays	
Inner tube plates (compressive)	
Stirraces (tube plates to outside of front of plain part)	
Steam receiver plate section	
" " rivet "	
" " circular shell	

Lloyd's	
$8.5 \times 1.25 \times 100 = 85.5\%$	
$175 \times 1.22 \times 85 = 88.0\%$	
$260 \times 1.2 \times 85 = 168.0\%$	
$140 \times 1.6 = 161.7\%$	
$14.35^2 = 196$	
$4.2 \times 9000 = 196$	
$14.35 \times 14.3 = 171$	
$140 \times 1.5 = 171$	
$120 \times 1.4 = 166$	
$11.35^2 = 180$	
$(8.01 \times 5.0) \times 1000 = 180$	
$120 \times 1.3 = 160$	
$7.35^2 = 182$	
$1.22 \times 8000 = 166$	
$1.48 \times 8000 = 165$	
$4.5 \times 4.5 = 179$	
$9000 \times 8 \times 1.625 = 179$	
$(32 \times 74) \times 31.5 = 179$	
$100 \times 1.75 \times 1.25 = 170$	
$100 \times 1.75 \times 1.25 = 170$	
$85 \times 2 \times 578 = 133.3\%$	
$2.15 \times 1.3 \times 40 = 173$	



Stays of shell screwed ten threads per inch  
All are 1/2 diam except those rows next to water spaces  
which are 1/4 diam, fore shown sectioned  
Effective area of 1/2 stay = 1.22 of 1/4 stay = 1.43 sq in.



Thickness of plating	
Circumferential shell	Steel 1/2" thick
Stays for ds	" 1/8 "
End upper plates	" 1 "
Back mid "	" 1/8 "
Back lower "	" 1/8 "
Front "	" 1/8 "
Front tube	" 3/4 "
Inner tube	" 1/2 "
Firebricks (sides back & front)	" 1/2 "
Mid firebox top	" 1/2 "
Stirraces	" 1/2 "
Steam receiver connecting pipe	" 1/2 "
" " bottom plate	" 1/2 "
" " top plate	" 1/2 "
" " ends	" 1/2 "

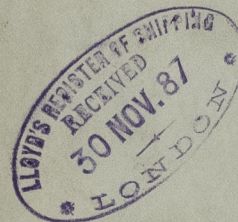
- BOILERS. NO 247 -  
Diam = 13.4: Length = 10.1: Pressure 160 lbs  
Scale = 3/4 of an inch to the foot - 28/11/87

Hall Russell & Co

No 247

160 lbs

appt



32  
320  
J H H  
27-4-88

