

Barclayburle & Co. Boilers ALLSA 5

Circumferential Stems Plate $\frac{3.73 - 1.31}{3.73} = 64.8$

Rivets $\frac{23 \times 1.35 \times 2.1}{28 \times 3.73 \times 1.25} = 47.6$

Longitudinal Stems Plate $\frac{9.125 - 1.31}{9.125} = 85.6$

Rivets $\frac{23 \times 1.35 \times 5 \times 1.875}{28 \times 9.125 \times 1.25} = 91.2$

Combined. $\frac{9.125 - 2.62}{9.125} + \frac{91.2}{5} = 11.3 + 18.2 = 89.5$

Shell $\frac{38 \times 28 \times 85.6}{2.75 \times 165} = 200 \text{ lb}$

Furnaces $\frac{480 \times 17.5}{41.72} = 201$

Top ends $\frac{96 \times 1521}{324 + 333} = 222$

W.W. Space (front tube plate) $\frac{72 \times 841}{210.25 + 85.56} = 205$. Back tube pt. $\frac{38 \times 625}{10.92 + 11.8} = 202$

Girders $\frac{371 \times 95 \times 48}{33.03 \times 25.03 \times 10} = 203$

ec top & sides $\frac{75 \times 441}{64 \times 100} = 201$

backs $\frac{75 \times 400}{81 \times 68.06} = 201$

Lower back $\frac{86 \times 650}{210.25 + 68.06} = 200$

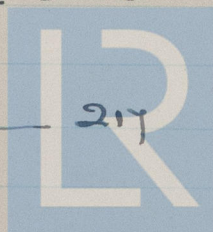
Main stay $\frac{67.218}{18 \times 18.25} = 203$

Screw stay $1\frac{5}{8}" = \frac{15214}{742} = 205$

" $1\frac{3}{4}" = \frac{18144}{80} = 227$

" $1\frac{7}{8}" = \frac{21332}{97} = 220$

" $2" = \frac{24777}{113.3} = 217$



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