

$$\begin{array}{r} 1.35 \\ \hline 1.2 \\ 1.23 \\ 1.48 \end{array}$$

N. 375 Boilers.

13' 0" x 11' 0" 200 lbs W.P. 2 off

$$\frac{20^2}{21} \frac{400}{441} = \frac{10}{11}$$

Shell

$$\frac{8\frac{5}{16} - 1\frac{5}{16}}{8\frac{5}{16}} = \frac{112}{133}$$

$$\begin{array}{r} 1.35 \times 5 \times 85 \times 7 \times 16 = 96.6 \\ 133 \times 8 \times 8 \\ 112 \times 22 \times 183 \text{ LBS} \\ 1064 \times 13 \times 183 = 212 \\ 560 \\ 532 \\ \hline 280 \end{array}$$

Bull shape 18" x 1 1/4

Stm space plate 1 1/16 washers 10" x 5/8" 13/277 86/213

stays spaced 15 3/4 x 17 1/2

$$\frac{200 \times 17^2}{\frac{1}{2}(15\frac{3}{4} + 17\frac{1}{2})} = 208$$

$$\text{Stays } \frac{6.33 \times 10400}{15\frac{3}{4} \times 17\frac{1}{2}} = 238$$

$$\text{C. C. Sides } 5/8 \quad 7\frac{3}{4} \times 8\frac{3}{16} (7\frac{1}{8} \times 8\frac{3}{4}) 275/6$$

$$\text{back } 5/8 \quad 7\frac{3}{16} \times 8\frac{13}{16} \text{ max}$$

$$\text{top } 5/8 \quad 7\frac{3}{4} \times 8\frac{3}{16}$$

$$\text{bot. } 7/8$$

$$10^2 \times 135$$

$$\begin{array}{r} 6465 \overline{) 13500} \quad 208 \text{ lbs} \\ \underline{12930} \\ 5700 \end{array}$$

scr shp

$$\frac{1.79 \times 9000}{6337} = 255$$

$$\begin{array}{r} 7.187 \\ 7.187 \\ \hline 50309 \\ 718 \\ 574 \\ 50 \\ 775 \\ 819 \\ \hline 6200 \\ 77 \\ 60 \\ 6337 \\ 129302 \\ 7.187 \\ 8.812 \\ \hline 57496 \end{array}$$

$$\begin{array}{r} 17 \\ 35 \\ 289 \\ \hline 306 \\ 248 \\ \hline 554 \\ 277 \overline{) 1575} \\ \underline{175} \\ 1575 \\ \underline{1102} \\ 473 \end{array}$$

$$\begin{array}{r} 578 \overline{) 208} \\ \underline{554} \\ 2400 \end{array}$$

$$\begin{array}{r} 6337 \overline{) 16110} \quad 255 \\ \underline{12674} \\ 34360 \\ \underline{131685} \\ 816750 \\ \underline{187} \end{array}$$

$$\begin{array}{r} 6580 \overline{) 238} \\ \underline{5512} \\ 10680 \\ \underline{8268} \\ 24120 \end{array}$$

$$\begin{array}{r} 8.812 \quad 7.75 \quad 8.187 \\ 8.812 \quad 7.75 \quad 8.187 \\ \hline 70496 \quad 542 \quad 65496 \\ 7049 \quad 39 \quad 818 \\ 88 \quad 6006 \quad 655 \\ 18 \quad 56 \end{array}$$

$$\begin{array}{r} 77651 \overline{) 67025} \\ \underline{6006} \\ 127085 \end{array}$$

$$\begin{array}{r} 8 \overline{) 189} \\ \underline{236} \end{array}$$

$$\begin{array}{r} 8.187 \\ \hline 24.438 \end{array}$$

$$\begin{array}{r} 41'25'') 8813' (213 \text{ 76} \\ \underline{8250} \\ 5630 \\ \underline{4125} \\ 15050 \end{array}$$

