

Circumferential beams FRONT

$$\text{plate } \frac{3.2 - 1.25}{3.2} = 60.9 \quad \checkmark$$

$$\text{Rivets } \frac{23 \times 1.22 \times 2}{29 \times 3.2 \times 1.3125} = 46.2 \quad \checkmark$$

$$\text{BACK plate } \frac{3.742 - 1.375}{3.742} = 63.3 \quad \checkmark$$

$$\text{Rivets } \frac{23 \times 1.48 \times 2}{29 \times 3.742 \times 1.3125} = 47.8 \quad \checkmark$$

$$\text{Longitudinal beams plate } \frac{7.625}{9 - 1.375} = 84.8 \quad \checkmark$$

$$\text{rivets } \frac{23 \times 1.48 \times 5 \times 1.875}{29 \times 9 \times 1.3125} = 93.3 \quad \checkmark$$

$$\text{combined } \frac{9 - 2.75}{9} + \frac{93.3}{5} = 69.4 + 18.6 = 88.0 \quad \checkmark$$

$$\text{Shell } \frac{40 \times 29 \times 84.8}{2.75 \times 177.375} = 201 \quad \checkmark$$

$$\text{Turnaces } \frac{480 \times 18.5}{44.219} = 200 \quad \checkmark$$

$$\text{Top ends } \frac{96 \times 1521}{400 + 324} = 201$$

$$\text{Tube plates. Front w w space } \frac{72 \times 784}{203.06 + 76.86} = 202$$

$$\text{Girders } \frac{371 \times 74 \times 66}{32.53 \times 24.53 \times 9.5} = 203$$

$$\text{Ces. sides & tops } \frac{75 \times 529}{64 + 90} = 257. \quad \text{Backs } \frac{75 \times 441}{64 + 90} = 214$$

$$\text{Lower back } \frac{86 \times 576}{64 + 182} = 201$$

$$\text{Main stay } 3'' \quad \frac{78522}{402 - 7 = 395} = 199 \quad \checkmark$$

$$2\frac{3}{4} \quad \frac{65455}{328} = 200 \quad \checkmark$$

$$\text{Screen stay } 1\frac{5}{8}'' \quad \frac{15214}{76} = 200 \quad \checkmark$$

$$1\frac{7}{8}'' \quad \frac{21332}{106} = 200$$

$$1\frac{3}{4}'' \quad \frac{18144}{92 - 2.4}{8 + 6} = 201 \quad \text{margin}$$

$$2'' \quad \frac{24777}{128 - 3.14} = 198.5$$