$$t = \frac{PL}{2SE - 0.2P}$$

$P = 594\ psi$, $L = 12''$

$S = (SA387\ Gr22) : 12821$

$E = 1$

$$t = \frac{594 \times 12}{2 \times 12821 \times 1 - 0.2 \times 594}$$

$$= \frac{7128}{25523}$$

$$= 0.279''$$

$$= 7.09 + CA = 3mm$$

$$= 12.09mm$$