

$$n = \frac{S_y}{\sigma'} = \frac{21 \text{ ksi}}{.006 \text{ ksi}} = 3500 \text{ (very safe)}$$

$$\sigma' = .006 \text{ ksi}$$

$$S_y = 21 \text{ ksi} \quad - \quad 6061 - T4 \text{ Aluminum}$$