

@B

$$\frac{1}{t} \sqrt{(525.8 + 80)^2 + (295.7)^2} = \frac{674.1}{t} \quad (\text{smaller})$$

Look @ failure @ point A

$$\frac{692}{t} = \frac{(0.58)(345)}{2.5} \quad \begin{array}{l} \swarrow \text{BECAUSE SHEAR} \\ \searrow \text{F.S.} \end{array}$$

$$t = 8.65 \text{ mm}$$

$$h = \frac{t}{0.707}$$

$$0.707 = \frac{\sqrt{2}}{2}$$

$$h = \frac{8.65}{0.707} = 12.23 \text{ mm}$$

$$h = 13 \text{ mm} \rightarrow \text{useful spec.}$$

