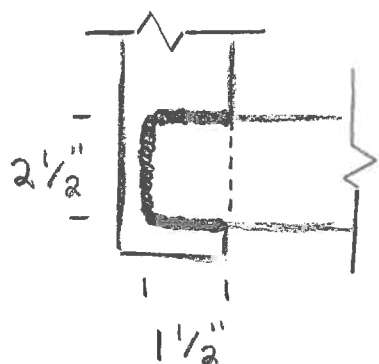
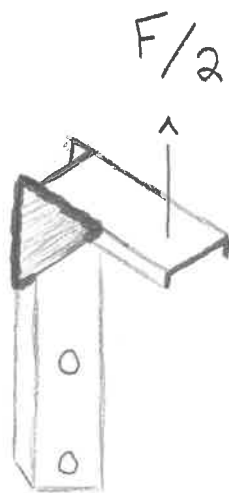


(B)



• Welded underneath along dashed line

(C)



$$M = PL = 10751b(8in) = 86001b \cdot in$$

$$S = \frac{BH^2}{6} - \frac{bh^3}{6H} \text{ (channel)} \quad S = 0.4 \text{ in}^3$$

$$\sigma_b = \frac{M}{S} = \frac{86001b \cdot in}{0.4 \text{ in}^3} = 21500 \text{ psi}$$