(3)
$$A_{AB} = \frac{\pi}{4} (1.5^2 - 1.25^2) = 0.54 \text{ in}^2 (E = 30 \times 10^6 \text{ psi})$$

 $A_{BC} = \frac{\pi}{4} (0.75^2) = 0.44 \text{ in}^2$

Scalonando AB

$$F_{AB} = 2800 - 4800$$

 $F_{AB} = -2000 \text{ lb}$

$$O_{AB} = \frac{F_{AB}}{A_{AB}} = -\frac{2000}{0.54} = \frac{3703.7}{16/in^2}$$

$$\epsilon_{AS} = \frac{O_{A6}}{E} = \frac{3903.7}{30\times10^6} = \frac{123 \,\mu}{}$$

Scaronando BC

$$O_{8c} = \frac{F_{8c}}{A_{8c}} = \frac{2800}{0.44} = \frac{6363.6 \, lb/in^2}{}$$