

FROM MIL-HDBK 5C FOR QQ-A 250/12 T7351 .5" TO 1.0" PLATE

$$F_{c2} = 56000 \text{ psi (AVAL LONG.)}$$

$$\therefore F_{c0} = 56000 \left(1 + \frac{\sqrt{56000}}{1333} \right) = 65941 \text{ psi}$$

TRANSITIONAL $\frac{L'}{\rho} = 1.346 \pi \sqrt{\frac{E}{F_{c0}}} \quad E_c = 10.6 \times 10^6 \text{ psi}$

$$= 1.346 \pi \sqrt{\frac{10.6 \times 10^6}{65941}}$$

$$= 53.6$$

\therefore ROD IS A LONG COLUMN.