

ADDITIONAL HANGAR DEPTH @ MID-SPAN DUE TO PEOPLE  $3.142'' = 0.26'$

5040

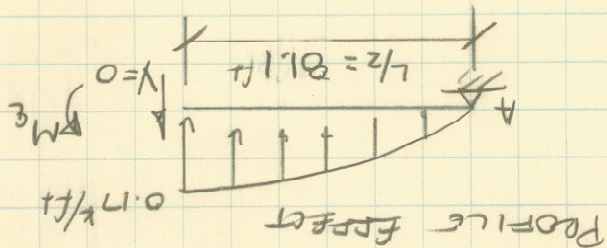
$$\text{Main slab load} = (0.67 \text{ ft}) \times (7.68 \text{ ft}) \times (0.16 \text{ kcf}) = 0.82 \text{ k/ft}$$

Slurs March Def to Police 0 1/4 @ End

$$(0.26 \text{ ft}) (408 \text{ lb}) (0.6 \text{ ft}) = 0.17 \text{ k/ft} @ \text{ span}$$

$$S_{LAB} = \frac{w^2}{8} = \frac{(0.82)(162.12 \pm)}{8} = 2694.4 \text{ k-lb}$$

$$H_{AUCH} = \frac{(0.2)(162.12)^2}{8} = 657.17 \text{ k-lb}$$

$$\text{Equiv. load} = P = \frac{3}{2} w \left( \frac{L}{2} \right) \quad \text{location from } A = \frac{3}{2} w \left( \frac{L}{2} \right)$$

$$M_A = \frac{3}{2}(0.17)(8.1)(\frac{5}{3})(8.1) - M_C = 0 \quad M_C = 447.3 \text{ k.ft}$$
$$M_{\text{slab}} @ 9 = 2694 + 677.1 + 447.3 = 3818.4 \text{ kN}$$