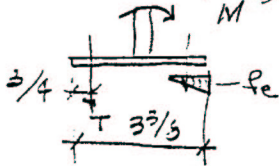


CHECK CAPACITY of ANCHORS



USING $\frac{3}{8}$ " MULTI K&B II
ASSUMING $F_c = 2000$, embed = $2\frac{1}{2}$ "
T. ALL w/o INSPECTION = 0.565 k
 $f_c = 1\frac{1}{2}$, $b = 2\frac{1}{4} + \frac{3}{8} = 2\frac{5}{8}$

$$\Sigma F_y = 0$$

$$\frac{1}{2} f_c b k d = T$$

$$\frac{1}{2} (1) (2\frac{5}{8}) k d = 0.565$$

$$k d = 0.43"$$

$$M = T \left(3.375 - .75 - \frac{0.43}{3} \right)$$

$$2.4815$$

$$M = 0.565 \times 2.4815 = 1.402 \text{ k'}$$

FOR 3' HIGH WALL @ 5'-4" SPACING

$$.02 \times 5.33 \times \frac{3^2}{2} = 0.4797 \quad \frac{1.402}{0.4797} \times .02 = \underline{\underline{0.58 \text{ k'/'}}}$$

FOR 3' HIGH WALL @ 6'-0" SPACING

$$P_{all} = \frac{5.33}{6} \times 0.58 = \underline{\underline{0.519 \text{ k'/'}}}$$

FOR 4' HIGH WALL @ 5'-4" o.c.

$$W = .02 \times 5.33 \times \frac{4^2}{2} = 0.8528 \quad ; \text{ WALL} = \frac{1.402}{.8528} \times .02 = \underline{\underline{0.328 \text{ k'/'}}}$$

FOR 4' HIGH WALL @ 6'-0" o.c.

$$P_{all} = 5.33/6 \times 0.328 = \underline{\underline{0.292 \text{ k'/'}}}$$

FOR 5' HIGH WALL @ 5'-4" o.c.

$$.1066 \times \frac{5^2}{2} = 1.3325 \quad P_{all} = \frac{1.402}{1.3325} \times .02 = \underline{\underline{0.21 \text{ k'/'}}}$$

FOR 5' HIGH WALL @ 6'-0" o.c.

$$P_{all} = \frac{5.33}{6} \times 0.21 = \underline{\underline{0.185 \text{ k'/'}}}$$