

2000
BETON OSMIČ DIF. INŽ. GRAĐ.

$$K = \frac{16,46}{8,35} = 1,97 > 1,35 \text{ (ZADOVOLJIVA)}$$

$$K = \frac{E_a}{\sum G \cdot \mu} = \frac{28,54 \times 0,99}{8,35} = 3,35$$

* PROVERA ZIDA NA KLIZANJE

$$F = \frac{M_a}{M_p} = \frac{16,45}{8,35} = 1,97 > 1,35 \text{ (ZADOVOLJIVA)}$$

$$M_a = 1,52 \times 0,175 + 1,92 \times 0,53 + 15,12 \times 0,45 = 16,45 \text{ kNm}$$

$$M_p = 8,35 \times 1,12 = 9,35 \text{ kNm}$$

$$G_3 = 0,70 \times 0,90 \times 24 = 15,12 \text{ kN}$$

$$G_2 = \frac{1}{2} \times 0,10 \times 1,60 \times 24 = 1,92 \text{ kN}$$

$$G_1 = 0,30 \times 1,60 \times 24 = 11,52 \text{ kN}$$

TEŽINA ZIDA

* PROVERA ZIDA NA PRETURANJE

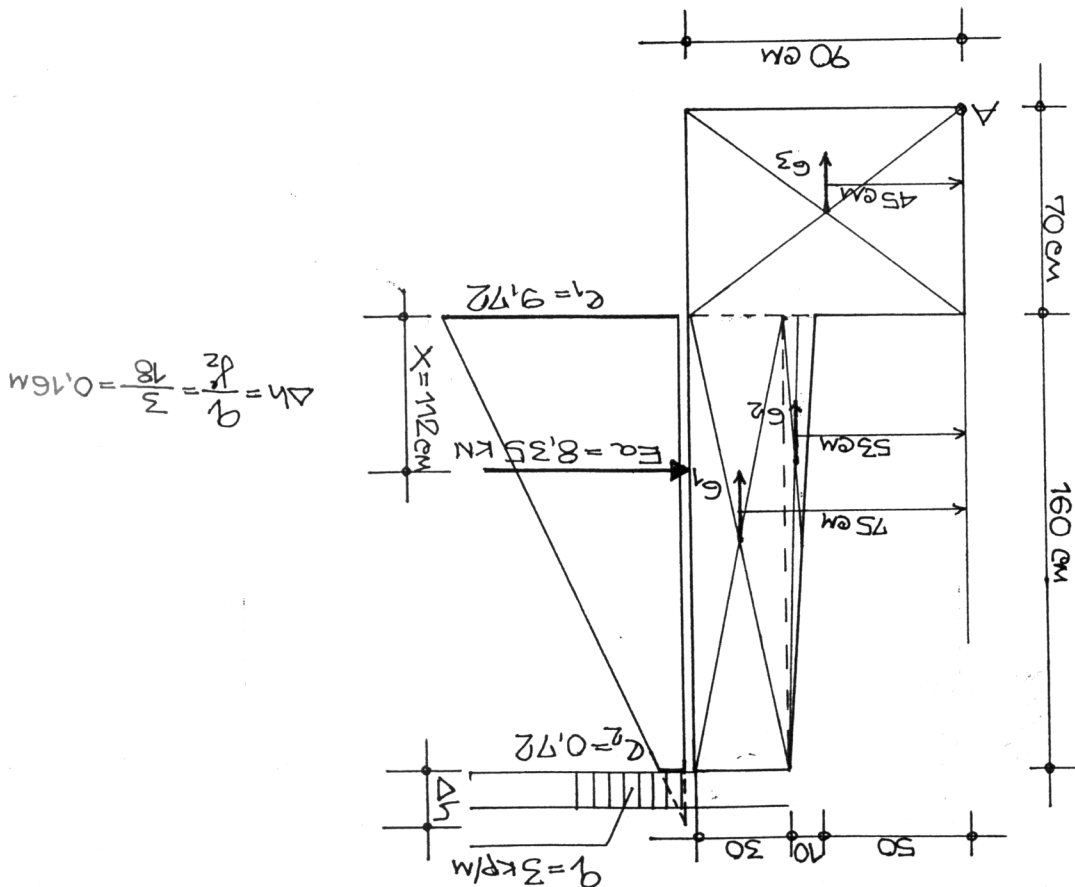
$$X = \frac{\frac{1}{2} \times 9,72 + 2 \times 0,72}{9,72 + 0,72} \times 1,60 = 1,12 \text{ m}$$

$$E_a = \frac{G_1 + G_2}{2} \times 1,60 = \frac{11,52 + 1,92}{2} \times 1,60 = 8,35 \text{ kN}$$

$$G_2 = 0,309 \times 0,16 \times 18 = 0,72$$

$$G_1 = 0,309 \times (1,60 + 0,16) \times 18 = 9,72$$

PRITISAK ZEMLJE ZA: $\varphi = 30^\circ$ $\delta = 10^\circ$



$$\Delta h = \frac{q}{\gamma} = \frac{3}{18} = 0,16 \text{ m}$$