Dimensionarea fundatiilor

1. Calcul teren pe baza presiunilor conventionale

p_{conv} = 200 KN/m^2 = 2,00 daN/cm^2

B = 0,65 m

D_f = 2,30 m

p_{conv} = $p_{conv} + C_B + C_D$ =
= 2,00 + -0,04 + 0,15 =
= 2,12 daN/cm^2

C_B = $p_{conv}\, K_1\, (B-1)$ = 2,00 x 0,05 x (0,65 - 1) =
= -0,035 daN/cm^2

C_D = $p_{conv}\, (D_f - 2) / 4$ = 2,00 x (2,30 - 2) / 4 =
= 0,15 daN/cm^2

2. Dimensionare fundatii continue sub pereti

G_{soclu} = $b_{soclu}\, h_{soclu}\, \gamma_{soclu}$ =
= 0,65 x 0,15 x 18 = 1,755 KN = 175,5 daN

$G_{fundatie}$ = $b_{sfundatie}\, h_{fundatie}\, \gamma_{fundatie}$ =
= 0,65 x 2,30 x 18 = 26,91 KN = 2691 daN

G_f = G_{soclu} + $G_{fundatie}$ = 175,5 + 2691 = 2867 daN/cm^2

Q = $N_{4-4} / l_{montant}$ = 10600 / 1 = 10600 daN

p_{ef} = $(Q + G_f) / (B \times 1)$ =
= (10600 + 2867) / (65 x 100) =
= 2,072 daN/cm^2

$p_{ef} < p_{conv}$
2,07 < 2,12 → TRUE

Intocmit,
dr.ing. Partene Eva

STOIAN V. VALERIU
ROMÂNIA
MINISTERUL
NR.05493
A1;A2
INGINERIE
EXPERT TEHNIC