

??MorGain ????????? V2004.15.1162.0?

3.3 ?????

3.3.1 ?????????

? ????????? fak ? 85kPa ?????????????????? ?b ? 0

????????????????? ?d ? 1 ?????????????? ? ? 18kN/m?

????????????????? ?m ? 11.7kN/m? ??????? b ? 2.2m

???????? d ? 1.65m

? b ? 2.2m ? 3m ??? b ? 3m

? fa ? $85+0*18*(3-3)+1*11.7*(1.65-0.5)$? 98.5kPa

????????????????? fa ? 98.5kPa

? ???

?GB 50011?2001??? 4.2.3????

faE ? ?a * fa ? 1*98.5 ? 98.5kPa

3.3.2 ?????

? ????? hc ? 650mm ?X ??? ????? bc ? 450mm ?Y ???

? ??????? b ? 3000mm ?X ??? ????? l ? 2200mm ?Y ???

???????? H ? 500mm ????? h1 ? 200mm

? ?????????

X ????????? Acb ? $h1 * b + (b + hc + 2*0.05) * (H - h1) / 2$? 1.16m?

Y ????????? Acl ? $h1 * l + (l + bc + 2*0.05) * (H - h1) / 2$? 0.85m?

?????

? ?????? pj

$$p_{max} = \gamma z = 138 = 186.3 \text{ kPa}$$

$$p_j = p_{max} - G / A = 186.3 - 353.7 / 6.6 = 132.8 \text{ kPa}$$

? X ???b ???

$$a_b = \min\{b_c + 2H_o, l\} = \min\{0.45 + 2 \cdot 0.45 \cdot 2.2\} = 1.350 \text{ m}$$

$$a_{m_x} = (b_c + a_b) / 2 = (0.45 + 1.35) / 2 = 0.900 \text{ m}$$

$$F_{l_x} = p_j \cdot A_{l_x} = 132.8 \cdot 1.41 = 187.8 \text{ kN}$$

$$0.7 \cdot \gamma_{hp} \cdot \gamma_{ft} \cdot a_{m_x} \cdot H_o / \gamma_{RE} = 0.7 \cdot 1 \cdot 1271 \cdot 0.9 \cdot 0.45 / 0.85 = 423.9 \text{ kN}$$

$$? F_{l_x} = 187.8 \text{ kN} \text{??????}$$