

1. 计算题

2. 已知条件

- 1. 混凝土强度等级 C30 $f_{cu,k}=30\text{N/mm}^2$;
- 2. 钢筋等级 HRB400 $f_{yk}=400\text{N/mm}^2$;
- 3. 钢筋截面面积 $A_0=245\text{mm}^2$;
- 4. 钢筋截面面积 $A_1=314\text{mm}^2$;
- 5. 钢筋等级 HRB400 $f_{yk}=400\text{N/mm}^2$;

2. 计算题

1. 已知条件 $N_1=A_1 \times f_y=0.001 \times 314 \times 360=109.4\text{kN}$

2. 已知条件 $N_{s,d} \leq N_d = A_s f_y / K_s$

3. 已知条件 $N_{s,d} = K_s \times A_s \times f_y$

4. 已知条件 $N_d = K_s \times A_s \times f_y$

5. 已知条件 $f_{sk} = K_s \times f_y$

6. 已知条件 $A_s = K_s \times A_0$

7. 已知条件 $K_s = 1.3$

8. 已知条件 $N_d = A_s f_{sk} / K_s$

2. 2E M& j Ö

Ä 1P C30E $f_{cu,k}=30\text{N/mm}^2$;

Ä 2A+8K1KJ-\$ 20mmE M0 $A_0=245\text{mm}^2$;

Ä 3A+8K1KJ+CX 8.8 4×.3PE $f_{yk}=640\text{N/mm}^2$;

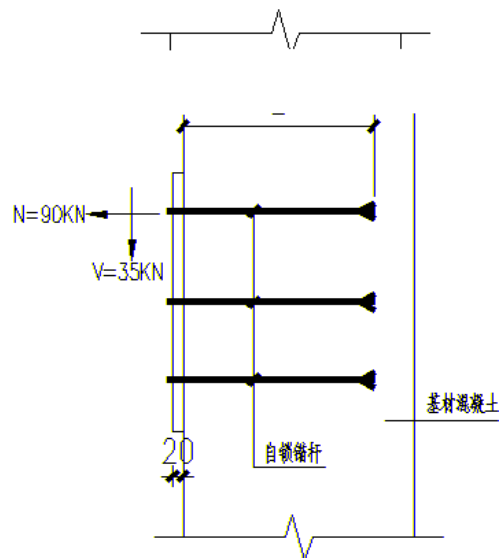
Ä 4AN&VP% C&E&B8KJ

v;0EV N=90KNÈ V=35KNÄ

Ä 5KV-Ö K#f 2EjD $f_{mck}=2.85\text{MPa} \times K\#$

#f KV f ,2EjD $f_{msk}=6.0\text{MPa}$ Ä

Ä 6K\$ D=25mm,MS D+=38mmÄ



. 2 N& KV È /? Ä ≈63< È Ä È 40 Ä Ä

1Ä KV+Ö

KV0E&E\$ 20EX 8.8 4×8K1

KVÄ $N_d=120\text{KN}$ È $N_{vd}=48.3\text{KN}$ Ä

2Ä KVKNÏC Ö

63α6YÖ&e

$$H \sqrt[3]{\frac{(c N_d)^2}{9.8^2 f_{cu,k}}}$$

PO H BV,KÖ

$$N_d\quad \text{KV}\tilde{\text{A}}\tilde{\text{N}}$$

$$\text{\AA kN}\text{\AA}\times$$

$$\Psi_c\quad \text{Qd}\tilde{\text{E}}+\tilde{\text{E}}$$

$$2\times$$

$$f_{\text{cu}\tilde{\text{E}}\text{ k}}\quad \text{Q}\tilde{\text{A}}$$

$$\text{kP}\tilde{\text{E}}\text{\AA}\quad f_{\text{cu}\tilde{\text{E}}\text{ k}}>45\text{N/mm}^2\tilde{\text{A}}$$

$$\mathbb{Z}^+$$

