

² . 1È M& j Ö

Ä 1~~0~~ C30È $f_{cu} = 30\text{N/mm}^2$;

Ä 2~~8~~K1K~~V~~-\$ 20mm~~0~~ $A_0 = 245\text{mm}^2$;

Ä 3~~0~~0\$ 20mm~~0~~ $A_1 = 314\text{mm}^2$;

Ä 4~~8~~K1K~~V~~€X 8.8 4×.3P~~0~~ $f_{yk} = 640\text{N/mm}^2$;

Ä 5~~0~~0~~0~~ HRB400È $f_{yk} = 400\text{N/mm}^2$ $f_y = 360\text{N/mm}^2$ Ä

. 1 00?

1Ä AN~~0~~ÄN $N_1 = A_1 \times f_y = 0.001 \times 314 \times 360 = 109.4\text{kN}$

2Ä 0 $N_{s,d} \leq N_d$ È $N_d \leq A_s f_y / K_s$

? Ö $N_{s,d}$ — K~~V~~ ÄN kNÅ×

N_d — K~~V~~ÄN Ä kNÅ×

f_{sk} — K~~V~~Ä kPÄÈ $f_{sk} = f_{yk} \times$

A_s — K~~V~~0Ä mÅ

K_s — K~~V~~Ä 1.3È 1.2Ä

8K1K~~V~~ÄN $N_d \leq A_s f_{sk} / K_s$

2. 2E M& j Ö

Ä 1P C30E $f_{cu,k}=30\text{N/mm}^2$;

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

Ä 3P+8K1KJ-€X 8.8 4×.3P E $f_{yk}=640\text{N/mm}^2$;

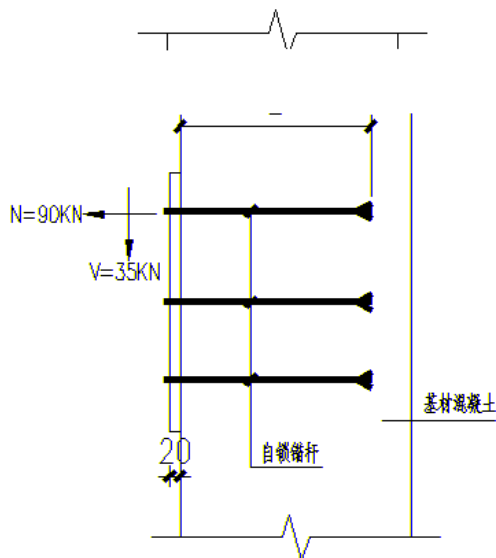
Ä 4AN&VP% C&E B8KJ

v;0E V N=90KN E V=35KNÄ

Ä 5KJ-Ö K#P ÖEj b $f_{mck}=2.85\text{MPa} \times K\#$

#P KJ f ,2Ej b $f_{msk}=6.0\text{MPa}$ Ä

Ä 6KJ\$ D=25mm, M\$ D+=38mmÄ



. 2 N& KJ E /P Ä ≈63< E Ä E 40 Ä Ä

1Ä KJ+Ö

KJ0E E\$ 20E X 8.8 4×8K1

KJÄ $N_d=120\text{KN}$ E $N_{vd}=48.3\text{KN}$ Ä

2Ä KJ KÖNÇ Ö

63E YÖE

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

PÖ H — EY,KÖ

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

$$\tilde{\text{A}}\text{ kN}\tilde{\text{A}}\times$$

$$\Psi_c\text{——}\tilde{\text{N}}\tilde{\text{d}}\tilde{\text{E}}+\tilde{\text{E}}$$

$$2\times$$

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

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

$$\tilde{\text{E}}+$$

