² . 1È M& j Ö

Ä 1 C30È $f_{cu,k}=30N/mm^2$;

Ä 2 20mm $A_0=245mm^2$;

Ä 3 20mm A1=314mm^2;

Ä 4 8.8 $f_{yk}=640N/mm^2$;

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

□ 1

1Ã $N_1=A_1\times f_y=0.001\times314\times360=109.4kN$

2Ã $N_{s,d}\le N_d$ È $N_d\le A_s f_y/K_s$

Ö $N_{s,d}$ —— kN×

N_d —— kNÄ×

f_{sk} —— kP $f_{sk}=f_{yk}\times$

A_s —— ×mÄ

K_s —— 1.3 1.2Ä

$N_d\le A_s f_{sk}/K_s$

² . 2È M& j Ö

Ä 1 C30È $f_{cu,k}$=30N/mm^2;

Ä 2 20mm A_0=245mm^2;

Ä 3 8.8 4× f_{yk}=640N/mm^2;

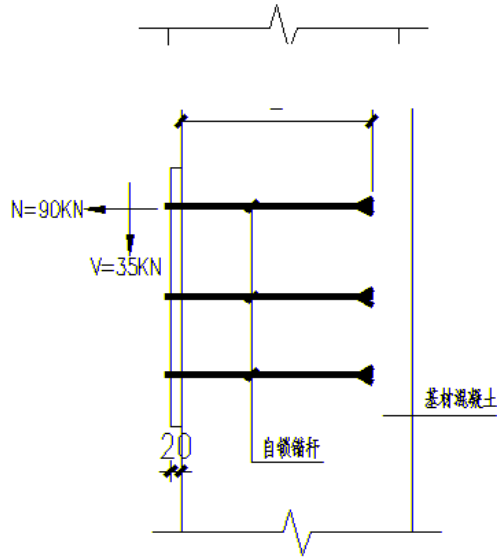
Ä 4

v;0 N=90KN V=35KNÄ

Ä 5 f_{mck}=2.85MPa×

f_{msk}=6.0MPaÄ

Ä 6 D=25mm, D_+=38mmÄ



□ 2 N& Ë /j Ä ²63< ë Ã Ë 4 Ä Å

1Ã

20 8.8 4×8K1

N_d=120KNÈ N_{vd}=48.3KNÅÄ

2Ã Ö

63 6

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

ÖÖ H ——

N_d——

Ä kNÅ×

Ψ_c——

2×

$f_{cu,k}$——

kPa È Å $f_{cu,k}$>45N/mm^2