

牆 W30 檢討

$$A_{cv}=t * L_w =30 \times 100$$

$$= 3000 \text{ cm}^2$$

$$V=0.5082 \times 910$$

$$=462 \text{ T}$$

$$V_R=462 \times 1.43=660.7 \text{ T}$$

$$V_w= (0.53\sqrt{f_c} + \rho_s * f_y) A_{cv}$$

$$= (0.53\sqrt{210} + 0.0088 \times 2800) 3000$$

$$= 96961 \text{ kg}$$

$$= 96.96 \text{ T}$$

$$\phi V_w= 0.85 \times 96.96$$

$$= 82.42 \text{ T}$$

$$X \text{ 向}=30.9 \text{ m}$$

$$V_{RX}=82.42 \times 30.9$$

$$=2546.8 > V_R \text{ (OK)}$$

$$Y \text{ 向}=38.9 \text{ m}$$

$$V_{RY}=82.42 \times 38.9$$

$$=3206.1 > V_R \text{ (OK)}$$