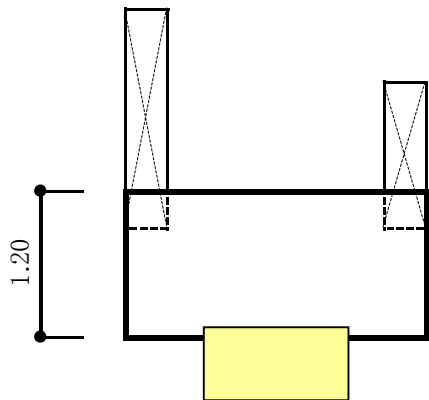


F3

(EVシャフト)



$$W = 574.06 \text{ kN}$$

$$FG : 24 \times 0.30 \times 1.70 \times 11.00 = 134.64 \text{ kN}$$

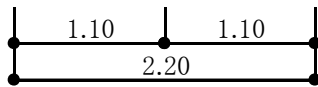
$$F : 24 \times 2.20 \times 2.84 \times 1.20 = 179.95 \text{ kN}$$

・杭反力の検討

$$\text{USE : 1-1000 } \phi \quad R_a = 2350 \text{ kN/本}$$

$$\begin{aligned} R &= 574.06 + 134.64 + 179.95 \\ &= 888.7 \text{ kN} < 2350 \text{ kN} \quad \therefore \text{OK} \end{aligned}$$

・基礎スラブの設計



$$M = 888.7 \times 2.20 / 4 = 488.8 \text{ kN}\cdot\text{m}$$

$$Q = 888.7 / 2 = 444.4 \text{ kN}$$

$$D = 120 \text{ cm} \quad dt = 8 \text{ cm}$$

$$j = (120 - 8) \times 7/8 = 98.0 \text{ cm}$$

$$\begin{aligned} at &= 488.8 \times 100 / 21.5 / 98.0 \\ &= 23.2 \text{ cm}^2 \rightarrow 13\text{-D19(D19@200)} \end{aligned}$$

$$\begin{aligned} \tau &= 444.4 \times 1000 / 220 / 98.0 \\ &= 20.6 \text{ N/cm}^2 < 80 \text{ N/cm}^2 \quad \therefore \text{OK} \end{aligned}$$

