

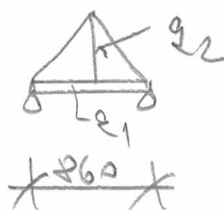
IIII



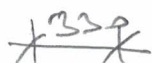
$$F_1 = 14,2 \text{ cm}^2$$

$$W_1 = 54,7 \text{ cm}^3$$

$$J_1 = 328 \text{ cm}^4$$



II, 2xI100



$$F_1 = 106 \text{ cm}^2$$

$$W_1 = 34,2 \text{ cm}^3$$

$$J_1 = 171 \text{ cm}^4$$

PRÉKLAD NAD OTVORENÝ VE ZDÍVU MEZI
DÍSKOVOSTI, 2.04 A 2.08

$$Q_1 = 598 \cdot \frac{4,01}{2} + Q_2 \cdot 265 \cdot 15 \cdot \frac{1,0}{1,1} = 15,29 \text{ kN}$$

$$Q_2 = 1,73 \cdot \frac{2}{2} \cdot 965 \cdot 18 \cdot \frac{1,0}{1,1} = 20,25 \text{ kN}$$

$$A = 25,36 \text{ kN} \quad M = 18,63 \text{ kN}$$

$$f = 922 \text{ cm} \quad C_{\text{polar}} = \frac{200}{400} = 0,50 \text{ cm}$$

$$\tau = \frac{18,63 \cdot 6 \cdot 10^3}{4 \cdot 54,7 \cdot 10^6} = 85,2 \text{ MPa} < 210 \text{ MPa}$$

PRÉKLAD NAD OTVORENÝ VE ZDÍVU MEZI
DÍSKOVOSTI, 2.04 A 2.09a

$$Q_1 = 915 \cdot 233 \cdot 25 \cdot \frac{1,0}{1,1} = 1,24 \text{ kN}$$

$$Q_2 = 1,73 \cdot \frac{286}{2} \cdot 933 \cdot 18 \cdot \frac{1,0}{1,1} = 4,42 \text{ kN}$$

$$A = 1,48 \text{ kN} \quad M = 0,48 \text{ kN}$$

$$f = 901 \text{ cm} \quad C_{\text{polar}} = \frac{86}{600} = 0,14 \text{ cm}$$

$$\tau = \frac{0,48 \cdot 6 \cdot 10^3}{2 \cdot 34,2 \cdot 10^6} = 7,1 \text{ MPa} < 210 \text{ MPa}$$