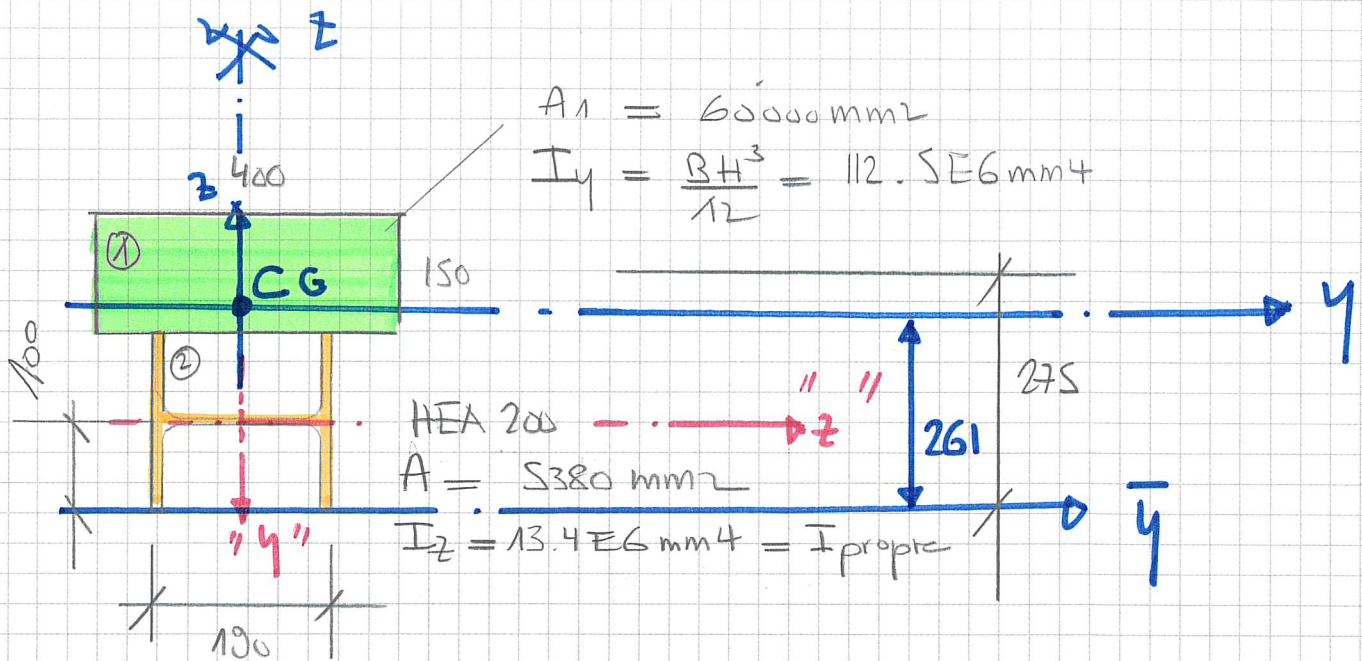




	A	z_i	$S_{\bar{y}}$	I_{proprie}	$z_i - z_{\text{CG}}$	$(z_i - z_{\text{CG}})^2$	$(z_i - z_{\text{CG}})^2 \cdot A_i$	I_{tot}
1	60000	275	16.5 E6	112.5 E6	14	196	11.76 E6	124.26 E6
2	5380	100	0.54 E6	13.4 E6	161	25921	139.45 E6	152.86 E6
	65380		17.04 E6	125.9 E6				277.11 E6

$$z_{\text{CG}} = \frac{17.04 \text{ E6}}{65380} = 260.6 \rightarrow 261 \text{ mm}$$

$$W_{\text{sup}} = \frac{277.11 \text{ E6}}{H_{\text{sup}} = 89} = 3113.6 \text{ E3 mm}^3$$

$$W_{\text{inf}} = \frac{277.11 \text{ E6}}{H_{\text{inf}} = 261} = 1061.7 \text{ E3 mm}^3$$

$$i_y = \sqrt{\frac{277.11 \text{ E6}}{65380}} = 65.1 \text{ mm}$$

$$M_{\text{max}}_{\text{acier}} f_y = 224 \text{ N/mm}^2 = \frac{224 \cdot 1061.7 \text{ E3}}{1 \text{ E6}} = 237.8 \text{ kNm}$$