

[Remarks:](#) See §4.4, pages 168 till 170

See §4.5, pages 171 till 184

See §4.6, pages 184 till 186

[Hints:](#)

Pay attention to the eccentricities due to the normal forces at A and D. These results in jumps in the Moment diagram.

[Answers:](#)

c. section C: $\sigma_b = +6,9 \text{ N/mm}^2$ and $\sigma_t = -2,1 \text{ N/mm}^2$

section E: $\sigma_b = -2,7 \text{ N/mm}^2$ and $\sigma_t = +2,7 \text{ N/mm}^2$

[Explanation:](#)

Support reactions:

$$A_v = 0; A_h = 960 \text{ kN } (\leftarrow); G_v = 720 \text{ kN } (\uparrow); G_h = 960 \text{ kN } (\rightarrow)$$

c. section C: $M_{z;C} = +300 \text{ kNm}$ and $N_C = +960 \text{ kN}$

section E: $M_{z;E} = -180 \text{ kNm}$ and $N_E = 0$