Remarks: See §4.4, pages 168 till 170
See §4.5, pages 171 till 184
See §4.6, pages 184 till 186

Answers:

The indices A and B indicate, respectively, the wide and narrow flange

c. $\sigma_A = -36$ N/mm^2 and $\sigma_B = +9$ N/mm^2
Distance of the neutral axis from NC: 280 mm

d. $\sigma_A = -13{,}5$ N/mm^2 and $\sigma_B = -36$ N/mm^2
Distance of the neutral axis from NC: 560 mm

Explanation:

c. $N = -315$ kN and $M_z = -63$ kNm
$\sigma^{(N)} = -21$ N/mm^2; $\sigma_A^{(M)} = -15$ N/mm^2; $\sigma_B^{(M)} = +30$ N/mm^2;

d. $N = -315$ kN and $M_z = +31{,}5$ kNm
$\sigma^{(N)} = -21$ N/mm^2; $\sigma_A^{(M)} = +7{,}5$ N/mm^2; $\sigma_B^{(M)} = -15$ N/mm^2;