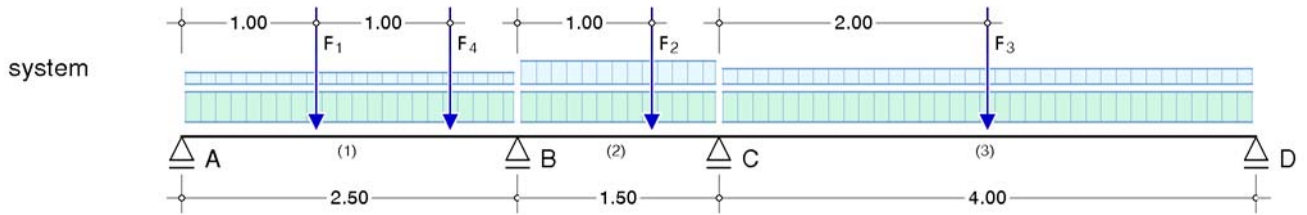
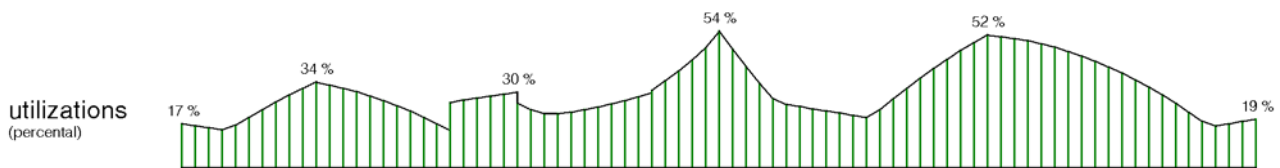
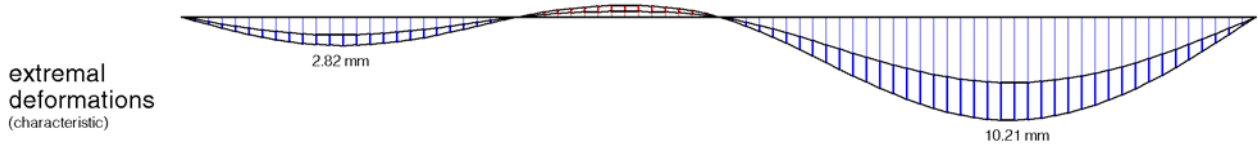
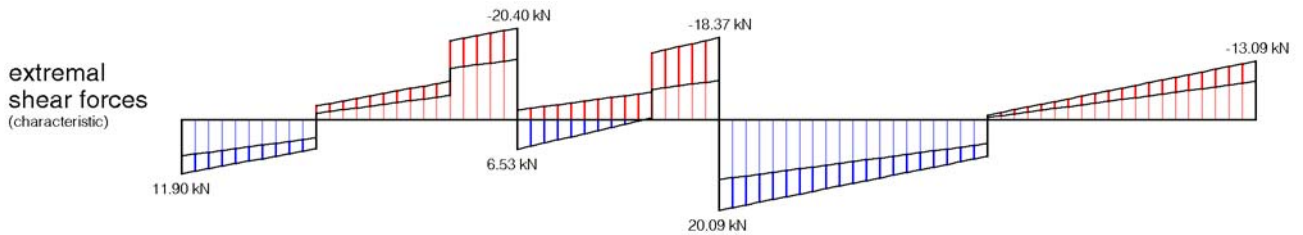
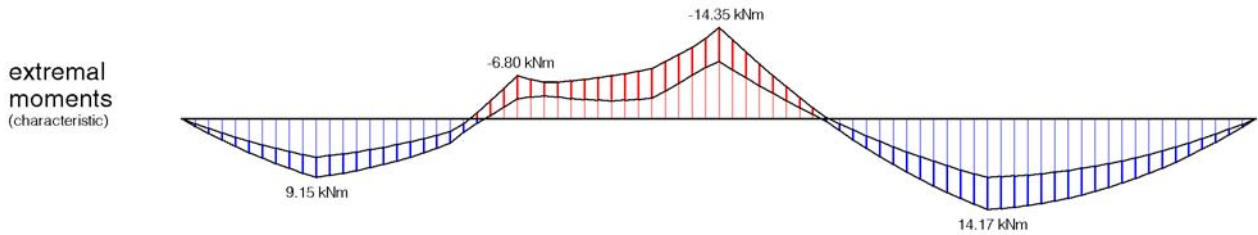


33: BEAM AXIS C STEEL



loading: line load(constant span by span):
 span 1: $g/p = 4.00 / 1.50$ kN/m, span 2: $g/p = 4.00 / 3.00$ kN/m, span 3: $g/p = 4.00 / 2.00$ kN/m,
 point loads:
 $F_1: G/P = 6.00 / 3.00$ kN, $F_2: G/P = 6.00 / 3.00$ kN, $F_3: G/P = 6.00 / 3.00$ kN,
 $F_4: G/P = 6.00 / 3.00$ kN,

material: steel: S235 (St37), standard profile: HE120B
 plastic cross-section verification acc. to EC3-1-1 6.2.1(6), limiting values of (c/t) acc. to EC3-1-1 table 5.2



support reactions (characteristic)

	A kN	B kN	C kN	D kN
minimum	7.98	11.28	22.04	8.58
perman.	8.18	15.33	23.82	8.68
maximal	11.90	26.93	38.46	13.09