

Bending reinforcement in x-direction:

Column Stripe:

stripe	location	$m_{Ed}$ [kNm/m]	type of reinf.	d [mm]	z [mm]	$a_{s,rqd}$ [mm <sup>2</sup> ]	$a_{s,min}$ [mm <sup>2</sup> ]	$a_{s,prov}$ [mm <sup>2</sup> ]	$\phi$ [mm]	s [mm]	x [mm]	$z_r$ [mm]	$m_{Rd}$ [kNm/m]	$m_{Rd} > m_{Ed}$	$\xi$ [-]	$\xi < 0,45$	s < 250 mm	$m_{Rd}-m_{Ed}$
X1	left support	29,2	upper	216	194,4	345	326	347	8	145	9,43	212,23	32,03	OK	0,044	OK	OK	2,83
	middle	47,91	lower	215	193,5	569	324	582	10	135	15,82	208,67	52,83	OK	0,074	OK	OK	4,92
	right support	51,3	upper	215	193,5	609	324	628	10	125	17,07	208,17	56,87	OK	0,079	OK	OK	5,57
X2	left support	51,3	upper	215	193,5	609	324	628	10	125	17,07	208,17	56,87	OK	0,079	OK	OK	5,57
	middle	20	lower	208	187,2	246	314	335	8	150	9,11	204,36	29,78	OK	0,044	OK	OK	9,78
	right support	117,3	upper	212	190,8	1413	320	1915	16	105	52,06	191,17	159,25	OK	0,246	OK	OK	41,95
X3	left support	154,3	upper	212	190,8	1859	320	1915	16	105	52,06	191,17	159,25	OK	0,246	OK	OK	4,95
	middle	47,91	lower	215	193,5	569	324	582	10	135	15,82	208,67	52,83	OK	0,074	OK	OK	4,92
	right support	154,3	upper	212	190,8	1859	320	1915	16	105	52,06	191,17	159,25	OK	0,246	OK	OK	4,95
X4	left support	104,6	upper	212	190,8	1260	320	1915	16	105	52,06	191,17	159,25	OK	0,246	OK	OK	54,65
	middle	20	lower	208	187,2	246	314	335	8	150	9,11	204,36	29,78	OK	0,044	OK	OK	9,78
	right support	12,7	upper	216	194,4	150	326	335	8	150	9,11	212,36	30,95	OK	0,042	OK	OK	18,25

Middle Stripe:

stripe	location	$m_{Ed}$ [kNm/m]	type of reinf.	d [mm]	z [mm]	$a_{s,rqd}$ [mm <sup>2</sup> ]	$a_{s,min}$ [mm <sup>2</sup> ]	$a_{s,prov}$ [mm <sup>2</sup> ]	$\phi$ [mm]	s [mm]	x [mm]	$z_r$ [mm]	$m_{Rd}$ [kNm/m]	$m_{Rd} > m_{Ed}$	$\xi$ [-]	$\xi < 0,45$	s < 250 mm	$m_{Rd}-m_{Ed}$
X1	left support	29,2	upper	216	194,4	345	326	347	8	145	9,43	212,23	32,03	OK	0,044	OK	OK	2,83
	middle	47,91	lower	215	193,5	569	324	582	10	135	15,82	208,67	52,83	OK	0,074	OK	OK	4,92
	right support	51,3	upper	215	193,5	609	324	628	10	125	17,07	208,17	56,87	OK	0,079	OK	OK	5,57
X2	left support	51,3	upper	215	193,5	609	324	628	10	125	17,07	208,17	56,87	OK	0,079	OK	OK	5,57
	middle	20	lower	208	187,2	246	314	335	8	150	9,11	204,36	29,78	OK	0,044	OK	OK	9,78
	right support	17,7	upper	216	194,4	209	326	335	8	150	9,11	212,36	30,95	OK	0,042	OK	OK	13,25
X3	left support	17,7	upper	216	194,4	209	326	335	8	150	9,11	212,36	30,95	OK	0,042	OK	OK	13,25
	middle	47,91	lower	215	193,5	569	324	582	10	135	15,82	208,67	52,83	OK	0,074	OK	OK	4,92
	right support	18	upper	216	194,4	213	326	335	8	150	9,11	212,36	30,95	OK	0,042	OK	OK	12,95
X4	left support	18	upper	216	194,4	213	326	335	8	150	9,11	212,36	30,95	OK	0,042	OK	OK	12,95
	middle	20	lower	208	187,2	246	314	335	8	150	9,11	204,36	29,78	OK	0,044	OK	OK	9,78
	right support	7,2	upper	216	194,4	85	326	335	8	150	9,11	212,36	30,95	OK	0,042	OK	OK	23,75