

Design and check of bending reinforcement of the slab

Panel	Cross-section	Strip	Design							Check						
			Med	d	z	as,rqd	as,min	Design	as,prov	x	ξ	z	Mrd	Mrd >Med	$\xi < 0.45$	spacing
			(kNm/m)	mm	mm	(mm ²)	(mm ²)		(mm ²)	(mm)		(mm)	(kNm/m)			of bars
C _o	1 (left support)	no division	61.34	239	215	656	360	Ø 12 - 150 mm	753	20.47	0.086	231	75.60	OK	OK	OK
		2 (midspan)	Column	40.78	239	215	436	360	Ø 12 - 250 mm	452	12.29	0.051	234	46.03	OK	OK
	Middle		25.70	239	215	275	360	Ø 10 - 200 mm	393	10.68	0.045	235	40.13	OK	OK	OK
	3 (right support)	Column	94.67	239	215	1012	360	Ø 12 - 100 mm	1131	30.75	0.129	227	111.53	OK	OK	OK
		Middle	29.83	239	215	319	360	Ø 10 - 200mm	393	10.68	0.045	235	40.13	OK	OK	OK
	C _{in}	1 (left support)	Column	88.04	239	215	941	360	Ø 12 - 100 mm	1131	30.75	0.129	227	111.53	OK	OK
Middle			26.22	239	215	280	360	Ø 10 - 200 mm	393	10.68	0.045	235	40.13	OK	OK	OK
2 (midspan)		Column	37.93	239	215	405	360	Ø 12 - 250 mm	452	12.29	0.051	234	46.03	OK	OK	OK
		Middle	22.59	239	215	241	360	Ø 10 - 200 mm	393	10.68	0.045	235	40.13	OK	OK	OK
3 (right support)		Column	88.04	239	215	941	360	Ø 12 - 100 mm	1131	30.75	0.129	227	111.53	OK	OK	OK
		Middle	26.22	239	215	280	360	Ø 10 - 200 mm	393	10.68	0.045	235	40.13	OK	OK	OK
3 _o	1 (left support)	Column	56.64	249	224	581	376	Ø 12 - 150 mm	753	20.47	0.082	241	78.88	OK	OK	OK
		Middle	1.21	249	224	12	376	Ø 10 - 200 mm	393	10.68	0.043	245	41.84	OK	OK	OK
	2 (midspan)	Column	57.85	249	224	593	376	Ø 12 - 150 mm	753	20.47	0.082	241	78.88	OK	OK	OK
		Middle	38.57	249	224	396	376	Ø 10 - 150 mm	526	14.30	0.057	243	55.66	OK	OK	OK
	3 (right support)	Column	101.24	249	224	1039	376	Ø 12 - 100 mm	1131	30.75	0.123	237	116.45	OK	OK	OK
		Middle	33.75	249	224	346	376	Ø 10 - 200 mm	393	10.68	0.043	245	41.84	OK	OK	OK
3 _{in}	1 (left support)	Column	94.01	249	224	964	376	Ø 12 - 100 mm	1131	30.75	0.123	237	116.45	OK	OK	OK
		Middle	31.34	249	224	321	376	Ø 10 - 200 mm	393	10.68	0.043	245	41.84	OK	OK	OK
	2 (midspan)	Column	40.50	249	224	415	376	Ø 12 - 250 mm	452	12.29	0.049	244	47.99	OK	OK	OK
		Middle	27.00	249	224	277	376	Ø 10 - 200 mm	393	10.68	0.043	245	41.84	OK	OK	OK
	3 (right support)	Column	94.01	249	224	964	376	Ø 12 - 100 mm	1131	30.75	0.123	237	116.45	OK	OK	OK
		Middle	31.34	249	224	321	376	Ø 10 - 200 mm	393	10.68	0.043	245	41.84	OK	OK	OK