ANEXOS

Zapata	ΣQ (ton)	B m	L m	My ton-m	Mx ton-m	ex m	ey m	B' m	L' m	q'n t/m^2	Sección Crítica (m)	F.C.	M ton-m	Mu ton-m	b cm	d cm	q	p	As cm²			s (cm)
																				Var. #	As	
1	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.75	1.4	5.65	7.91	100	45	0.0215	0.0010	4.70	4	1.27	26.96
2	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
3	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92
4	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92
5	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
6	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.75	1.4	5.65	7.91	100	45	0.0215	0.0010	4.70	4	1.27	26.96
7	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
8	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.75	1.4	22.51	31.52	100	45	0.0887	0.0043	19.39	8	5.07	26.14
9	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
10	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
11	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.75	1.4	22.51	31.52	100	45	0.0887	0.0043	19.39	8	5.07	26.14
12	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
13	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92
14	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
15	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.75	1.4	18.21	25.49	100	45	0.0711	0.0035	15.54	8	5.07	32.61
16	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.75	1.4	18.21	25.49	100	45	0.0711	0.0035	15.54	8	5.07	32.61
17	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
18	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92

Anexo 1. Diseño de zapatas aisladas por flexión.

Zapata	ΣQ (ton)	B	L	My	Mx	ex	ey	B'	L'	q'n	Sección	F.C.	M	Mu	b	d	q	p	As			s (cm)
		m	m	ton-m	ton-m	m	m	m	m	t/m^2	Crítica (m)		ton-m	ton-m	cm	cm			cm²	Var. #	As	
19	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92
20	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
21	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.75	1.4	18.21	25.49	100	45	0.0711	0.0035	15.54	8	5.07	32.61
22	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.75	1.4	18.21	25.49	100	45	0.0711	0.0035	15.54	8	5.07	32.61
23	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
24	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92
25	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
26	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.75	1.4	22.51	31.52	100	45	0.0887	0.0043	19.39	8	5.07	26.14
27	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
28	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.75	1.4	20.19	28.26	100	45	0.0792	0.0038	17.30	8	5.07	29.29
29	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.75	1.4	22.51	31.52	100	45	0.0887	0.0043	19.39	8	5.07	26.14
30	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
31	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.75	1.4	5.65	7.91	100	45	0.0215	0.0010	4.70	4	1.27	26.96
32	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
33	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92
34	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.75	1.4	13.53	18.94	100	45	0.0523	0.0025	11.44	6	2.85	24.92
35	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.75	1.4	14.03	19.65	100	45	0.0543	0.0026	11.87	6	2.85	24.01
36	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.75	1.4	5.65	7.91	100	45	0.0215	0.0010	4.70	4	1.27	26.96

Anexo 2. Diseño de zapatas aisladas por flexión (continuación anexo 1).

Zapata	ΣQ ton	B m	L m	My ton-m	Mx ton-m	ex m	ey m	B' m	L' m	q'n ton/m^2	Sección Crítica (m)	F.C.	M ton.m	V ton	Vu ton	b cm	d cm	4d	M/Vd	Vcr ton	Verificación
1	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.30	1.4	0.90	6.02	8.43	100	45	180	0.3333	27.89	Si Cumple
2	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
3	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple
4	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple
5	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
6	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.30	1.4	0.90	6.02	8.43	100	45	180	0.3333	27.89	Si Cumple
7	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
8	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.30	1.4	3.60	24.01	33.62	100	45	180	0.3333	27.89	No Cumple
9	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
10	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
11	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.30	1.4	3.60	24.01	33.62	100	45	180	0.3333	27.89	No Cumple
12	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
13	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple
14	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
15	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.30	1.4	2.91	19.42	27.19	100	45	180	0.3333	27.89	Si Cumple
16	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.30	1.4	2.91	19.42	27.19	100	45	180	0.3333	27.89	Si Cumple
17	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
18	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple

Anexo 3. Diseño de zapatas aisladas por cortante.

Zapata	ΣQ ton	B m	L m	My ton-m	Mx ton-m	ex m	ey m	B' m	L' m	q'n ton/m^2	Sección Crítica (m)	F.C.	M ton.m	V ton	Vu ton	b cm	d cm	4d	M/Vd	Vcr ton	Verificación
19	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple
20	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
21	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.30	1.4	2.91	19.42	27.19	100	45	180	0.3333	27.89	Si Cumple
22	183.62	2.00	2.00	31.00	31.00	0.17	0.17	1.66	1.66	64.74	0.30	1.4	2.91	19.42	27.19	100	45	180	0.3333	27.89	Si Cumple
23	176.10	2.00	2.00	50.75	27.90	0.29	0.16	1.42	1.68	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
24	149.18	2.00	2.00	0.00	37.50	0.00	0.25	2.00	1.50	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple
25	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
26	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.30	1.4	3.60	24.01	33.62	100	45	180	0.3333	27.89	No Cumple
27	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
28	176.10	2.00	2.00	27.90	50.75	0.16	0.29	1.68	1.42	71.78	0.30	1.4	3.23	21.53	30.15	100	45	180	0.3333	27.89	No Cumple
29	165.19	2.00	2.00	47.78	47.78	0.29	0.29	1.42	1.42	80.04	0.30	1.4	3.60	24.01	33.62	100	45	180	0.3333	27.89	No Cumple
30	143.11	2.00	2.00	0.00	43.90	0.00	0.31	2.00	1.39	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
31	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.30	1.4	0.90	6.02	8.43	100	45	180	0.3333	27.89	Si Cumple
32	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
33	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple
34	149.18	2.00	2.00	37.50	0.00	0.25	0.00	1.50	2.00	48.11	0.30	1.4	2.16	14.43	20.21	100	45	180	0.3333	27.89	Si Cumple
35	143.11	2.00	2.00	43.90	0.00	0.31	0.00	1.39	2.00	49.90	0.30	1.4	2.25	14.97	20.96	100	45	180	0.3333	27.89	Si Cumple
36	87.16	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	20.08	0.30	1.4	0.90	6.02	8.43	100	45	180	0.3333	27.89	Si Cumple

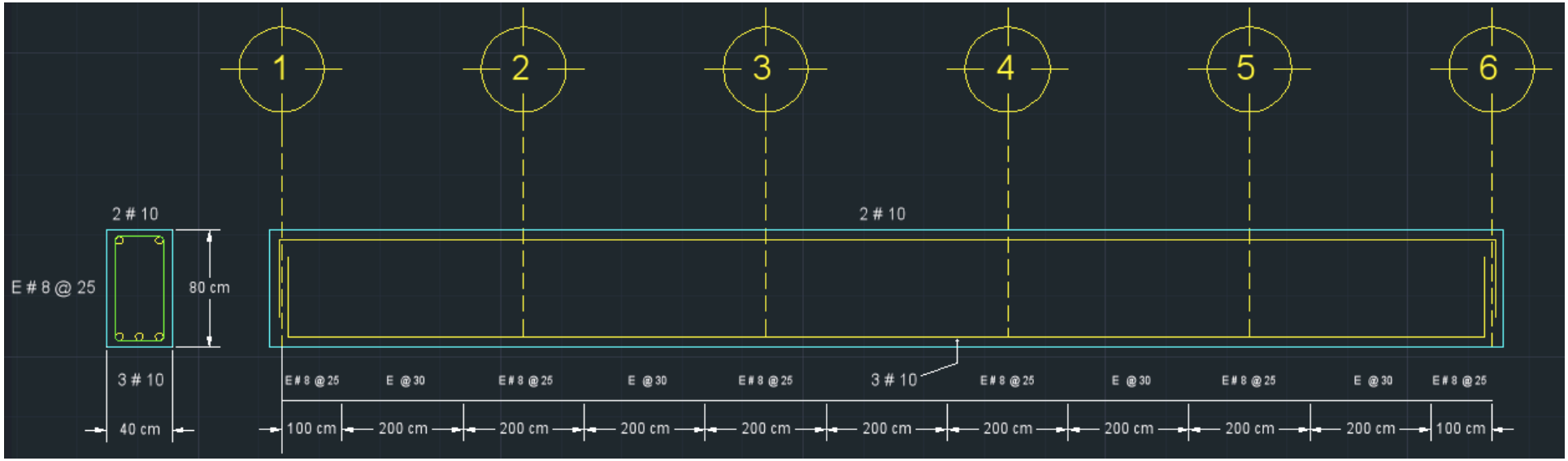
Anexo 4. Diseño de zapatas aisladas por cortante (continuación anexo 3).

Zapata	ΣQ ton	B m	L m	C1 m	C2 m	My ton-m	α	Ac	Jc	qv ton/m^2	V ton	Cab	Vab ton/m^2	F.C.	Vabu ton/m^2	Vcr1 ton/m^2	Vcr2 ton/m^2	Revisión	b cm	d cm
1	87.16	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	20.08	62.20	0.48	36.37	1.4	50.92	185.90	123.94	Si Cumple	100	45
2	143.11	2.00	2.00	0.50	0.50	43.90	0.40	1.71	0.27	34.07	105.52	0.48	92.70	1.4	129.77	185.90	123.94	Si Cumple	100	45
3	149.18	2.00	2.00	0.50	0.50	37.50	0.40	1.71	0.27	35.59	110.22	0.48	90.93	1.4	127.30	185.90	123.94	Si Cumple	100	45
4	149.18	2.00	2.00	0.50	0.50	37.50	0.40	1.71	0.27	35.59	110.22	0.48	90.93	1.4	127.30	185.90	123.94	Si Cumple	100	45
5	143.11	2.00	2.00	0.50	0.50	43.90	0.40	1.71	0.27	34.07	105.52	0.48	92.70	1.4	129.77	185.90	123.94	Si Cumple	100	45
6	87.16	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	20.08	62.20	0.48	36.37	1.4	50.92	185.90	123.94	Si Cumple	100	45
7	143.11	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	34.07	105.52	0.48	61.71	1.4	86.39	185.90	123.94	Si Cumple	100	45
8	165.19	2.00	2.00	0.50	0.50	47.78	0.40	1.71	0.27	39.59	122.62	0.48	105.43	1.4	147.61	185.90	123.94	Si Cumple	100	45
9	176.10	2.00	2.00	0.50	0.50	27.90	0.40	1.71	0.27	42.32	131.07	0.48	96.34	1.4	134.88	185.90	123.94	Si Cumple	100	45
10	176.10	2.00	2.00	0.50	0.50	27.90	0.40	1.71	0.27	42.32	131.07	0.48	96.34	1.4	134.88	185.90	123.94	Si Cumple	100	45
11	165.19	2.00	2.00	0.50	0.50	47.78	0.40	1.71	0.27	39.59	122.62	0.48	105.43	1.4	147.61	185.90	123.94	Si Cumple	100	45
12	143.11	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	34.07	105.52	0.48	61.71	1.4	86.39	185.90	123.94	Si Cumple	100	45
13	149.18	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	35.59	110.22	0.48	64.46	1.4	90.24	185.90	123.94	Si Cumple	100	45
14	176.10	2.00	2.00	0.50	0.50	50.75	0.40	1.71	0.27	42.32	131.07	0.48	112.47	1.4	157.46	185.90	123.94	Si Cumple	100	45
15	183.62	2.00	2.00	0.50	0.50	31.00	0.40	1.71	0.27	44.20	136.89	0.48	101.94	1.4	142.71	185.90	123.94	Si Cumple	100	45
16	183.62	2.00	2.00	0.50	0.50	31.00	0.40	1.71	0.27	44.20	136.89	0.48	101.94	1.4	142.71	185.90	123.94	Si Cumple	100	45
17	176.10	2.00	2.00	0.50	0.50	50.75	0.40	1.71	0.27	42.32	131.07	0.48	112.47	1.4	157.46	185.90	123.94	Si Cumple	100	45
18	149.18	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	35.59	110.22	0.48	64.46	1.4	90.24	185.90	123.94	Si Cumple	100	45

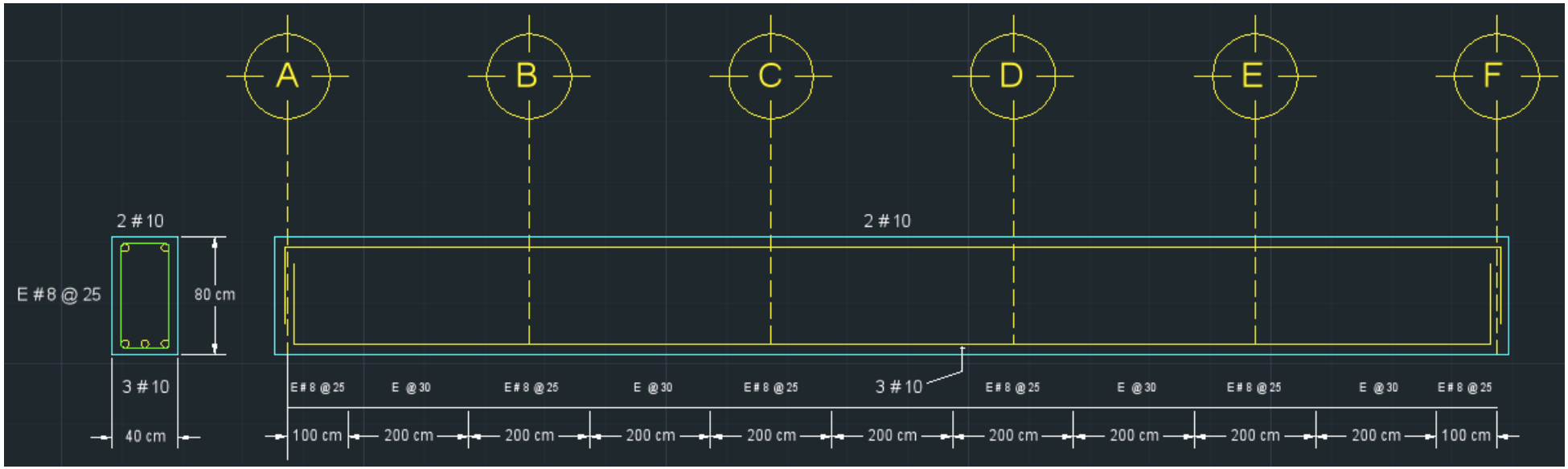
Anexo 5. Diseño de zapatas aisladas por penetración.

Zapata	ΣQ ton	B m	L m	C1 m	C2 m	My ton-m	α	Ac	Jc	qv ton/m^2	V ton	Cab	Vab ton/m^2	F.C.	Vabu ton/m^2	Vcr1 ton/m^2	Vcr2 ton/m^2	Revisión	b cm	d cm
19	149.18	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	35.59	110.22	0.48	64.46	1.4	90.24	185.90	123.94	Si Cumple	100	45
20	176.10	2.00	2.00	0.50	0.50	50.75	0.40	1.71	0.27	42.32	131.07	0.48	112.47	1.4	157.46	185.90	123.94	Si Cumple	100	45
21	183.62	2.00	2.00	0.50	0.50	31.00	0.40	1.71	0.27	44.20	136.89	0.48	101.94	1.4	142.71	185.90	123.94	Si Cumple	100	45
22	183.62	2.00	2.00	0.50	0.50	31.00	0.40	1.71	0.27	44.20	136.89	0.48	101.94	1.4	142.71	185.90	123.94	Si Cumple	100	45
23	176.10	2.00	2.00	0.50	0.50	50.75	0.40	1.71	0.27	42.32	131.07	0.48	112.47	1.4	157.46	185.90	123.94	Si Cumple	100	45
24	149.18	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	35.59	110.22	0.48	64.46	1.4	90.24	185.90	123.94	Si Cumple	100	45
25	143.11	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	34.07	105.52	0.48	61.71	1.4	86.39	185.90	123.94	Si Cumple	100	45
26	165.19	2.00	2.00	0.50	0.50	47.78	0.40	1.71	0.27	39.59	122.62	0.48	105.43	1.4	147.61	185.90	123.94	Si Cumple	100	45
27	176.10	2.00	2.00	0.50	0.50	27.90	0.40	1.71	0.27	42.32	131.07	0.48	96.34	1.4	134.88	185.90	123.94	Si Cumple	100	45
28	176.10	2.00	2.00	0.50	0.50	27.90	0.40	1.71	0.27	42.32	131.07	0.48	96.34	1.4	134.88	185.90	123.94	Si Cumple	100	45
29	165.19	2.00	2.00	0.50	0.50	47.78	0.40	1.71	0.27	39.59	122.62	0.48	105.43	1.4	147.61	185.90	123.94	Si Cumple	100	45
30	143.11	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	34.07	105.52	0.48	61.71	1.4	86.39	185.90	123.94	Si Cumple	100	45
31	87.16	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	20.08	62.20	0.48	36.37	1.4	50.92	185.90	123.94	Si Cumple	100	45
32	143.11	2.00	2.00	0.50	0.50	43.90	0.40	1.71	0.27	34.07	105.52	0.48	92.70	1.4	129.77	185.90	123.94	Si Cumple	100	45
33	149.18	2.00	2.00	0.50	0.50	37.50	0.40	1.71	0.27	35.59	110.22	0.48	90.93	1.4	127.30	185.90	123.94	Si Cumple	100	45
34	149.18	2.00	2.00	0.50	0.50	37.50	0.40	1.71	0.27	35.59	110.22	0.48	90.93	1.4	127.30	185.90	123.94	Si Cumple	100	45
35	143.11	2.00	2.00	0.50	0.50	43.90	0.40	1.71	0.27	34.07	105.52	0.48	92.70	1.4	129.77	185.90	123.94	Si Cumple	100	45
36	87.16	2.00	2.00	0.50	0.50	0.00	0.40	1.71	0.27	20.08	62.20	0.48	36.37	1.4	50.92	185.90	123.94	Si Cumple	100	45

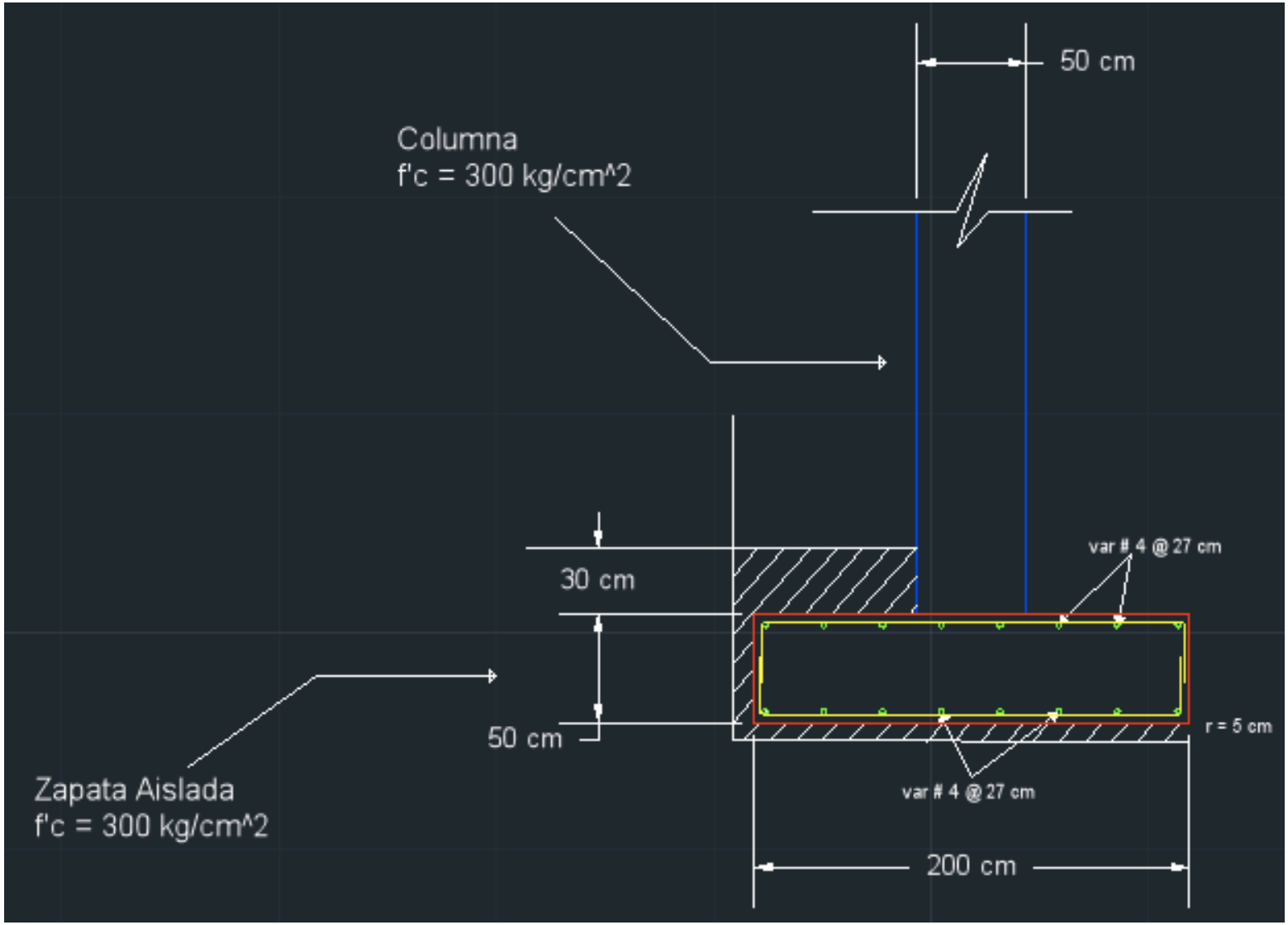
Anexo 6. Diseño de zapatas aisladas por penetración (continuación anexo 5).



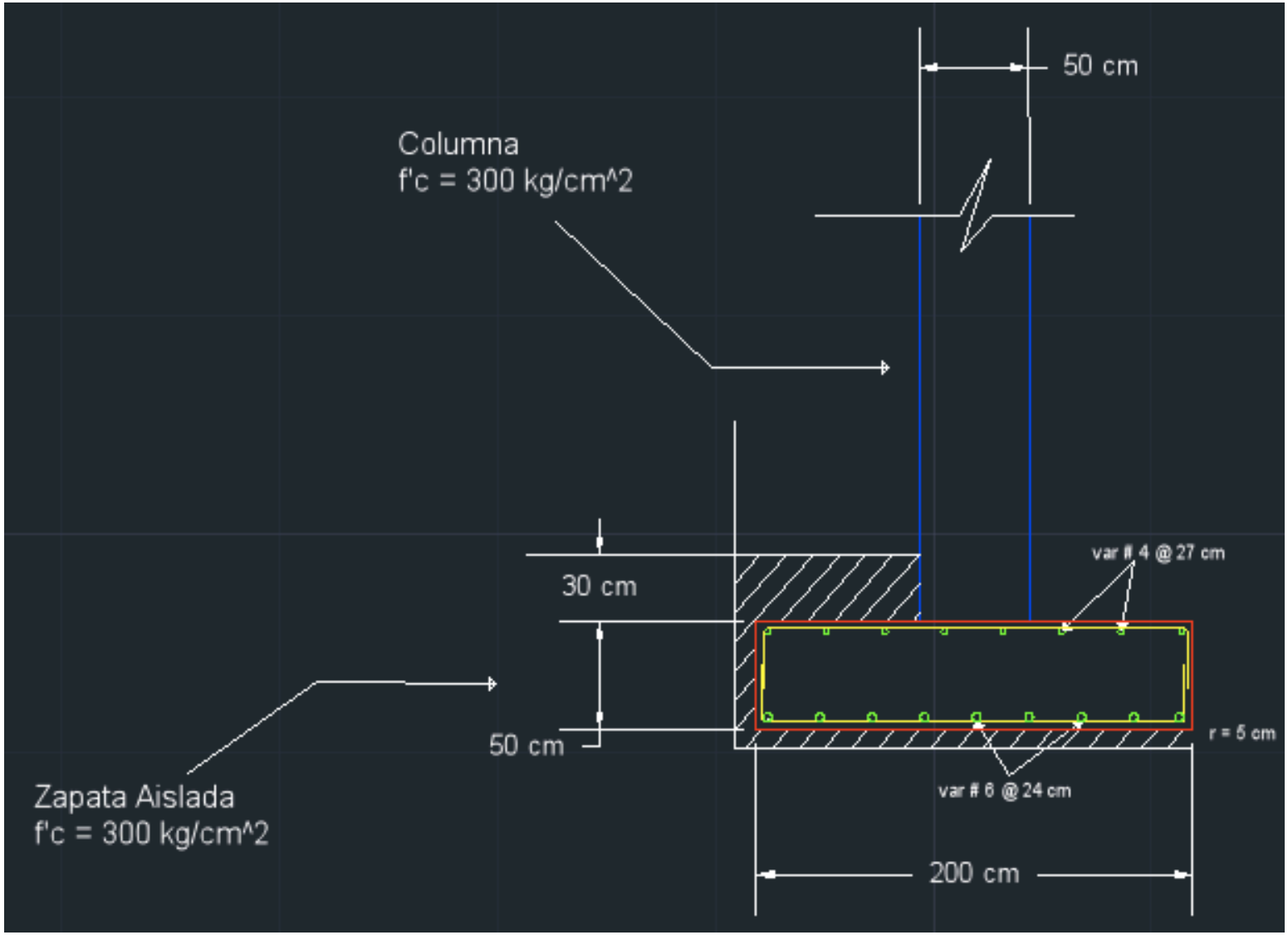
Anexo 7. Armado de las trabes de liga de los ejes A, B, C, D, E y F.



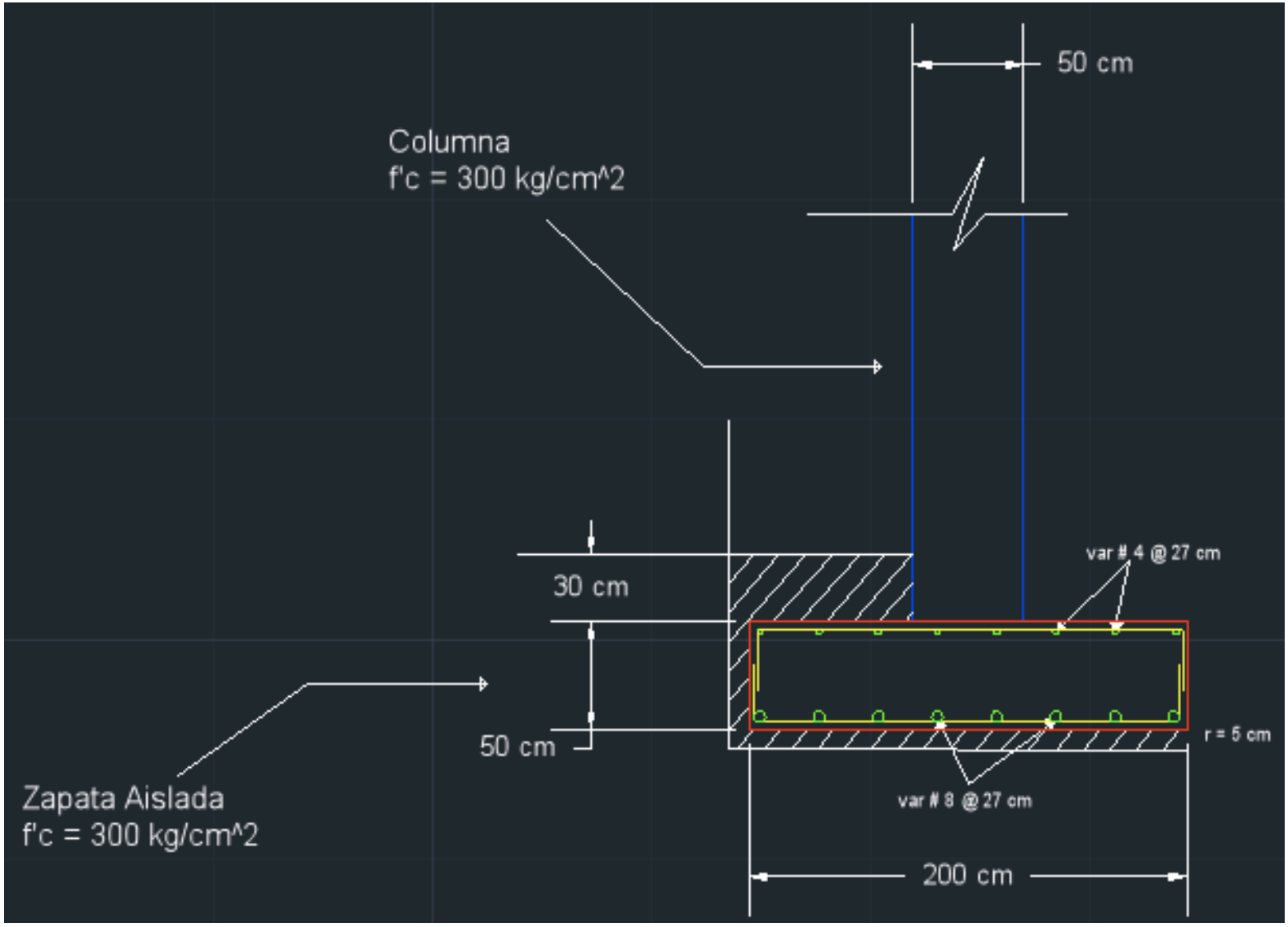
Anexo 8. Armado de las trabes de liga de los ejes 1, 2, 3, 4, 5 y 6.



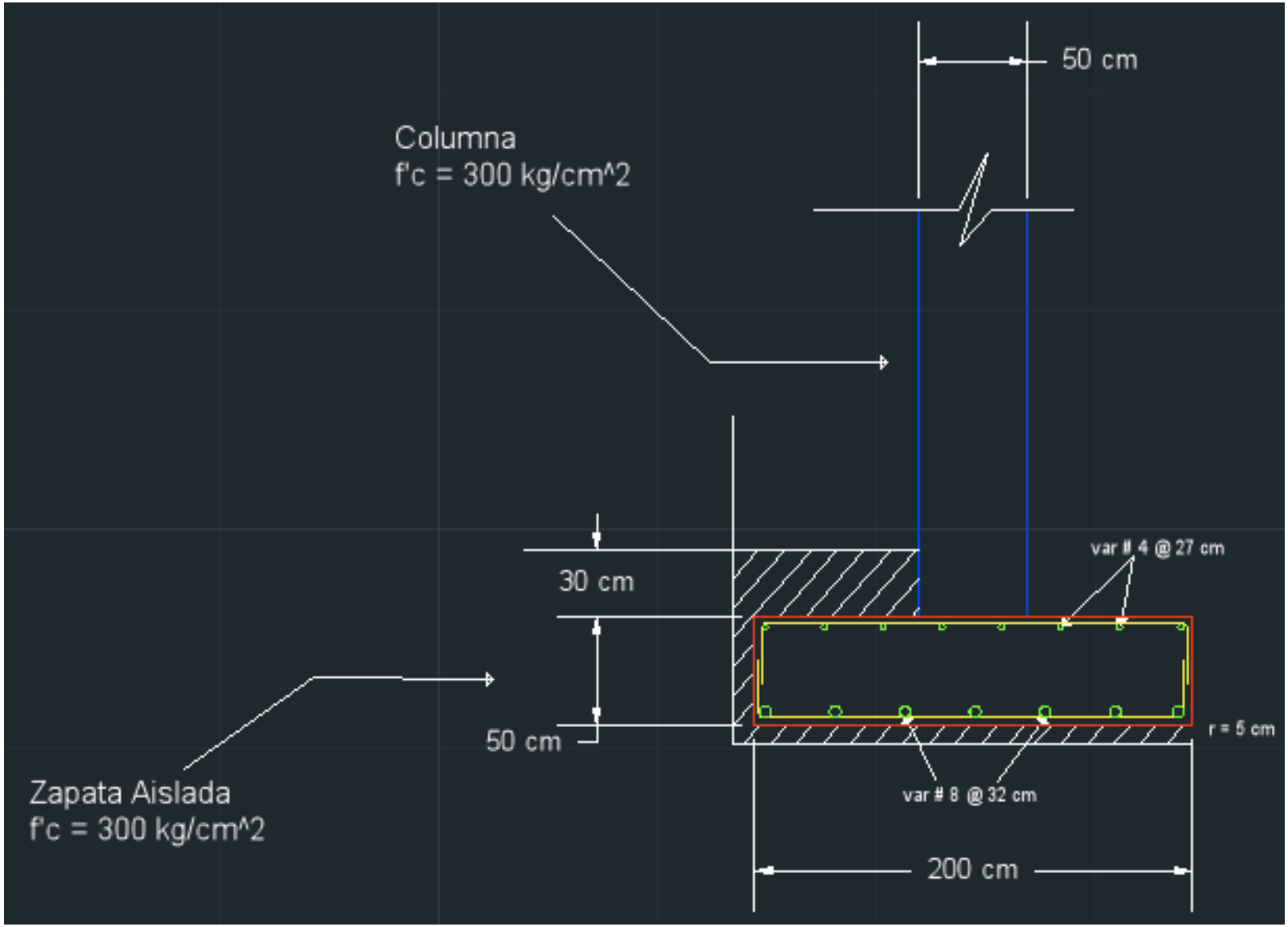
Anexo 9. Armado de las zapatas 1, 6, 31 y 36.



Anexo 10. Armado de las zapatas 2, 3, 4, 5, 7, 12, 13, 18, 19, 24, 25, 30, 32, 33, 34, y 35.



Anexo 11. Armado de las zapatas 8, 9, 10, 11, 14, 17, 20, 23, 26, 27, 28 y 29.



Anexo 12. Armado de las zapatas 15, 16, 21 y 22.