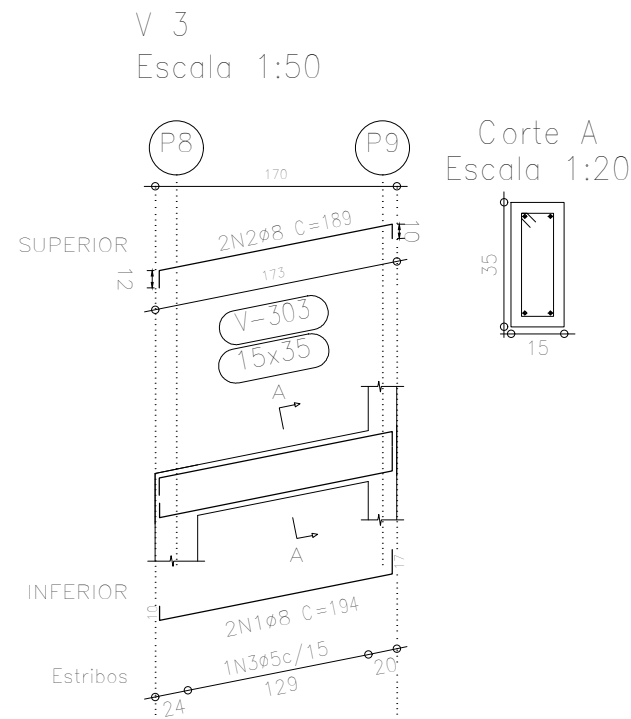
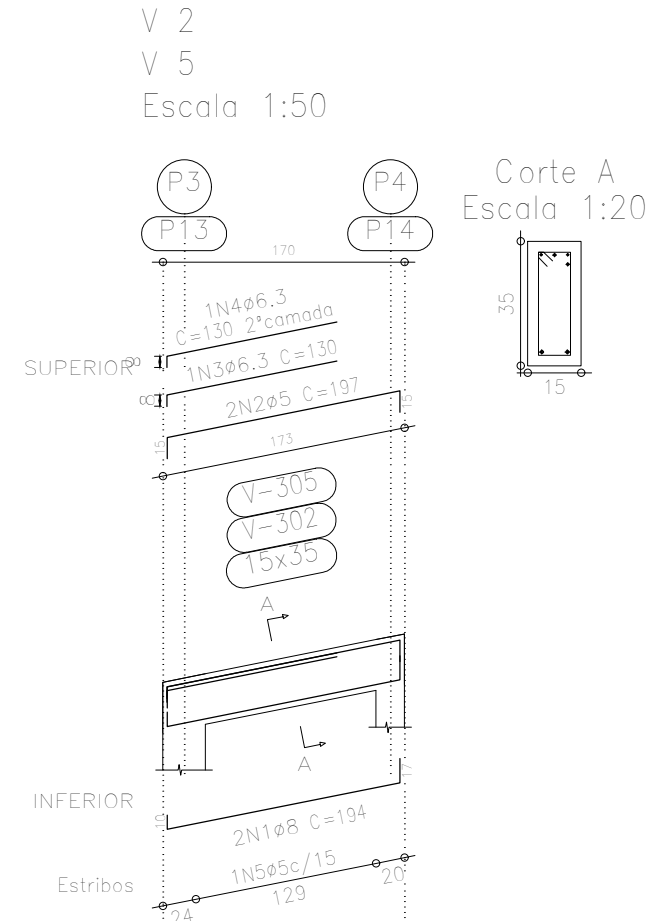
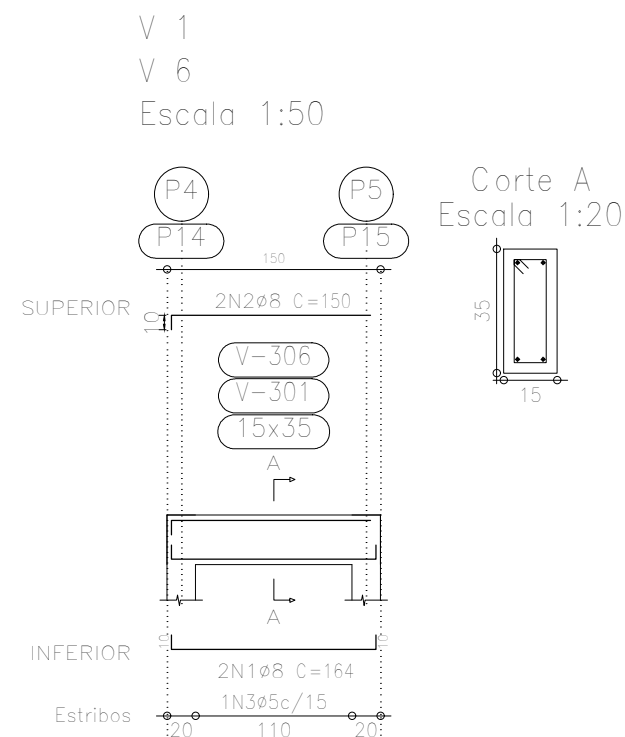
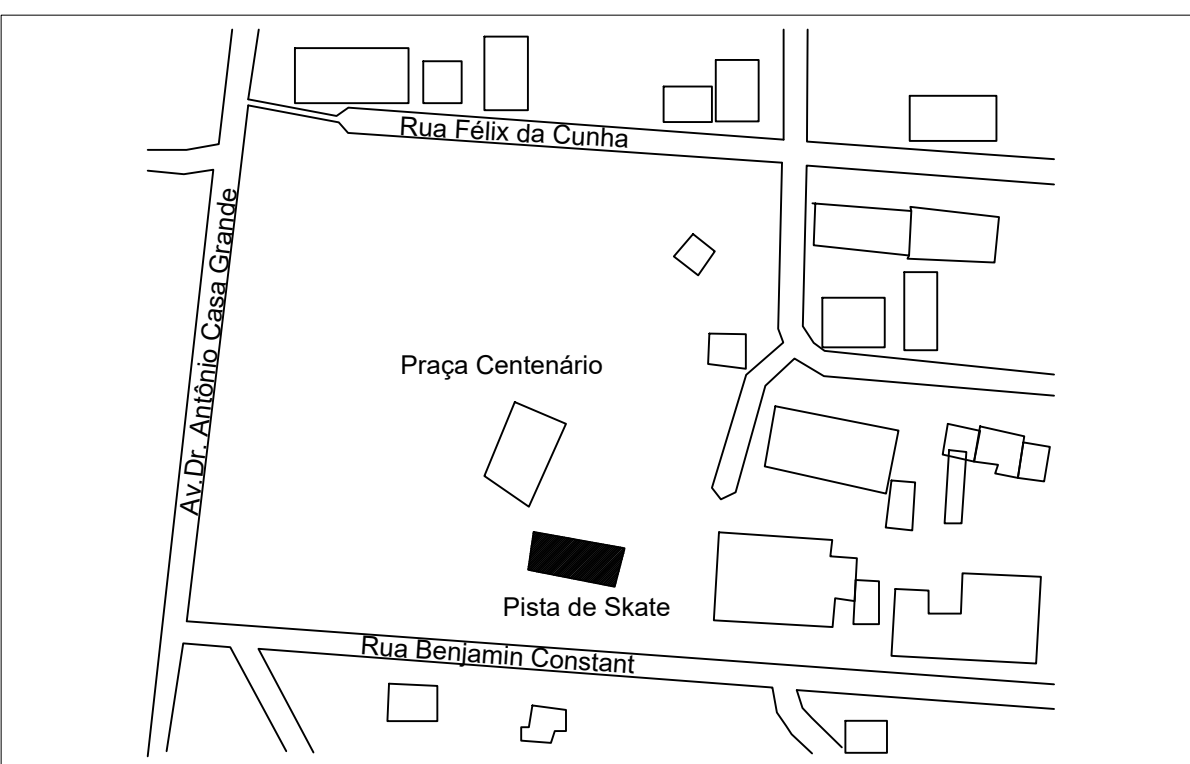
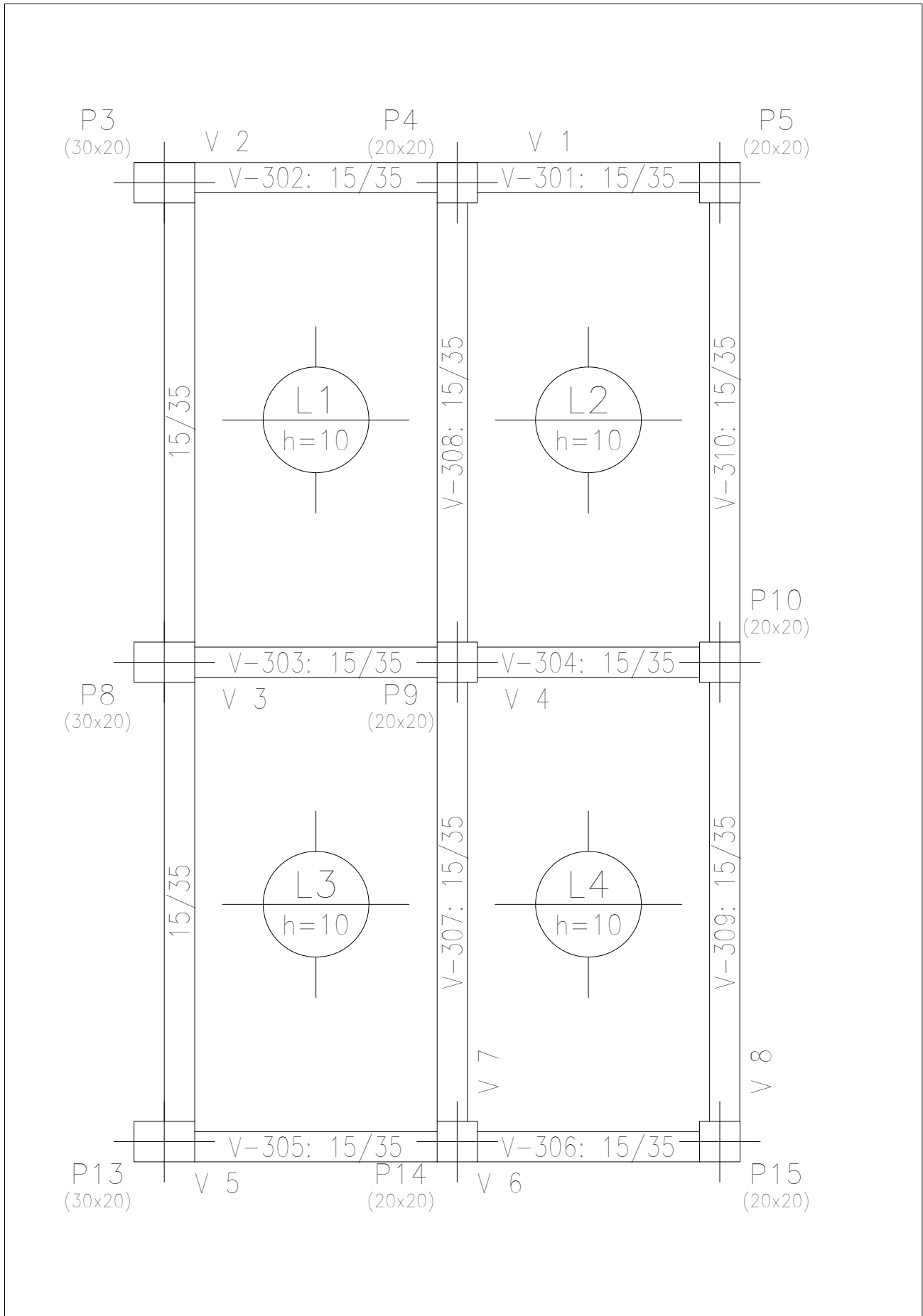
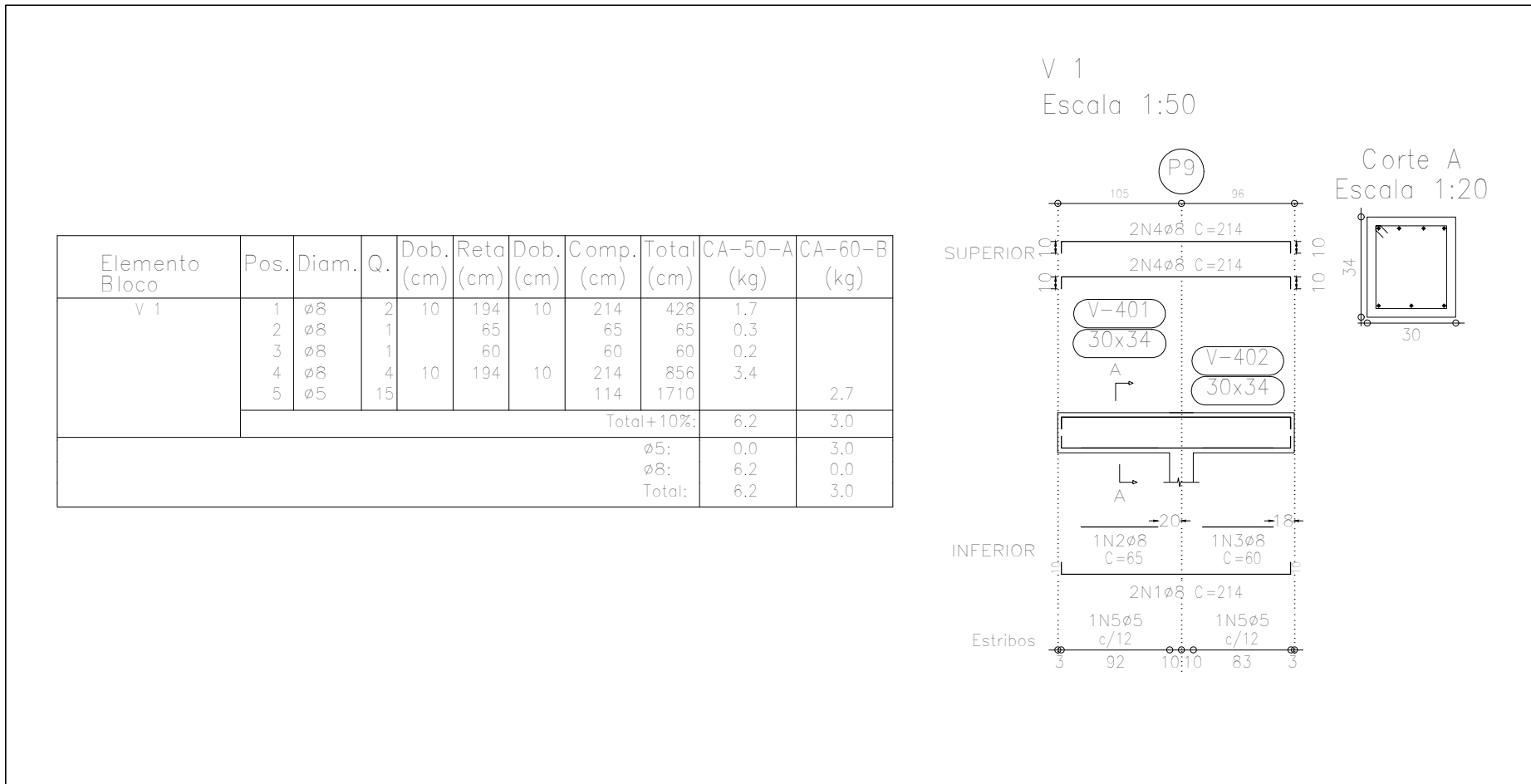
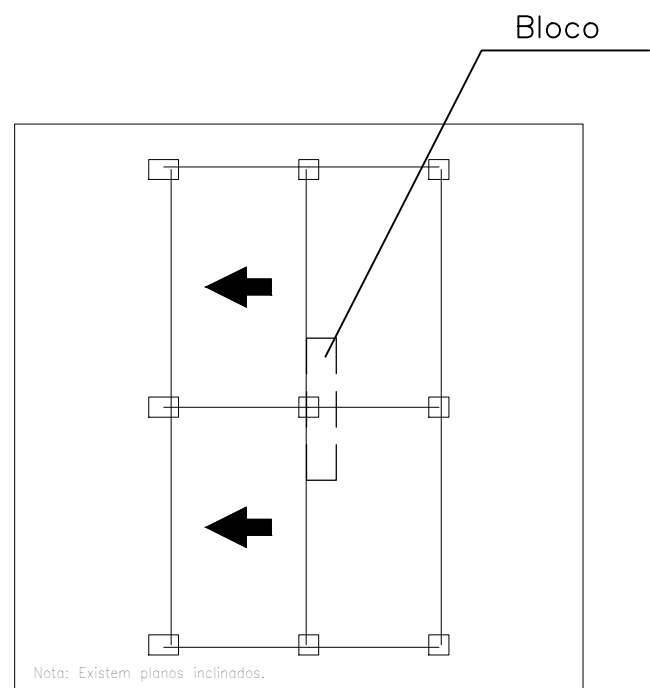
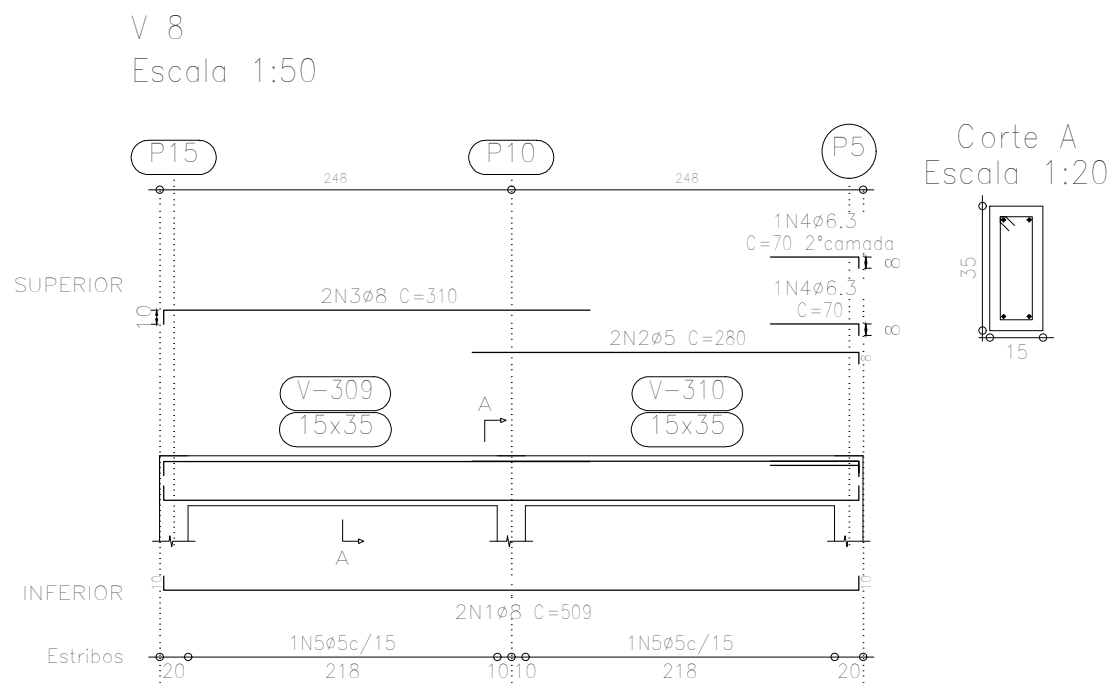
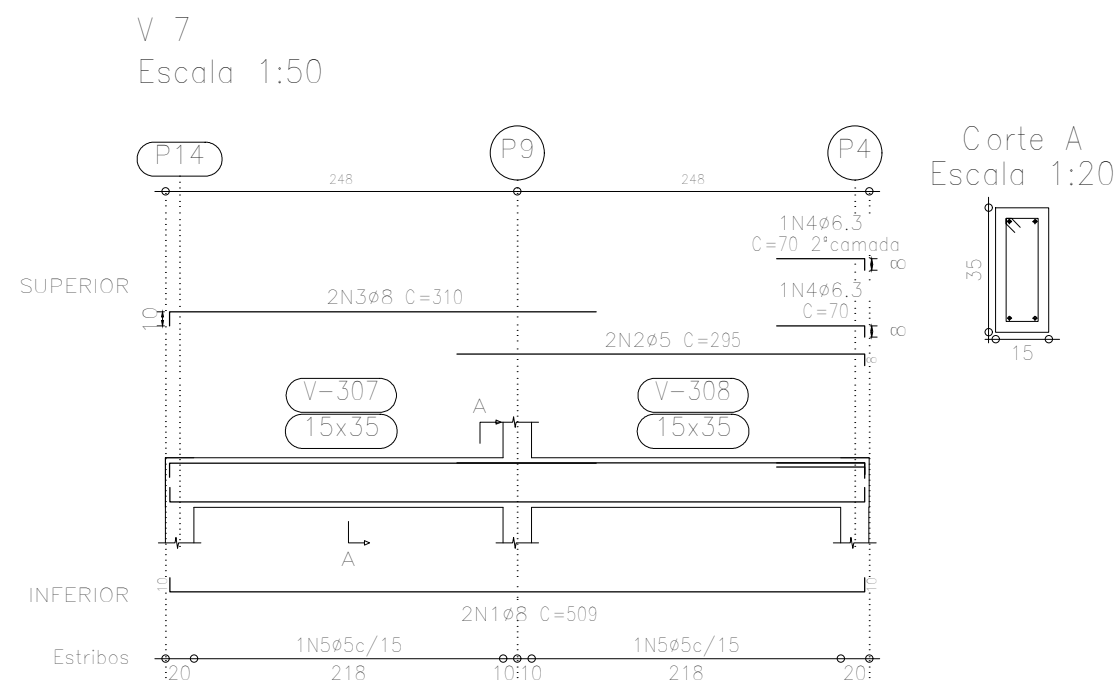
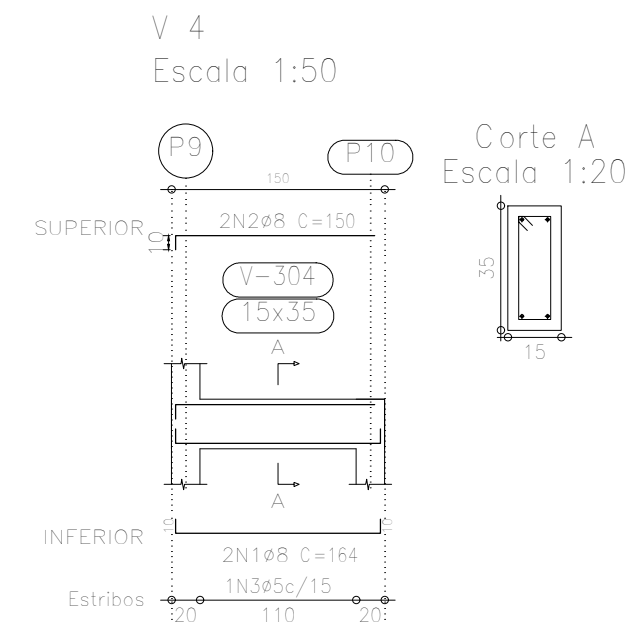




Elemento	Pos.	Diam.	Q.	Dob. (cm)	Ret. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1+V 6	1	ø8	2	10	144	10	164	328	1.3	
	2	ø8	2	10	140		150	300	1.2	
	3	ø5	8				86	688		1.1
Total+10% (x2)									2.8	1.2
V 2+V 5	1	ø8	2	10	167	17	194	368	1.5	
	2	ø5	2	15	167	15	197	394		0.6
	3	ø6.3	1	8	122		130	130	0.3	
	4	ø6.3	1	8	122		130	130	0.3	
	5	ø5	8				86	774		1.2
Total+10% (x2)									2.3	2.0
V 3	1	ø8	2	10	167	17	194	368	1.5	
	2	ø8	2	12	167	10	189	378	1.5	
	3	ø5	8				86	774		1.2
Total+10% (x2)									3.3	1.3
V 4	1	ø8	2	10	144	10	164	328	1.3	
	2	ø8	2	10	140		150	300	1.2	
	3	ø5	8				86	688		1.1
Total+10% (x2)									2.8	1.2
V 7	1	ø8	2	10	489	10	509	1018	4.0	
	2	ø5	2	20	287	8	295	590		0.9
	3	ø8	2	10	300		310	620	2.4	
	4	ø6.3	2		62	8	70	140	0.3	
	5	ø5	30				86	2580		4.1
Total+10% (x2)									7.4	5.5
V 8	1	ø8	2	10	489	10	509	1018	4.0	
	2	ø5	2	20	272	8	280	560		0.9
	3	ø8	2	10	300		310	620	2.4	
	4	ø6.3	2		62	8	70	140	0.3	
	5	ø5	30				86	2580		4.1
Total+10% (x2)									7.4	5.5
									ø5: 0.0	19.9
									ø6.3: 2.0	0.0
									ø8: 28.1	0.0
									Total: 31.1	19.9



MUNICÍPIO DE BENTO GONÇALVES
COIMBRA ENGENHARIA E GESTÃO LTDA

APROVO

DATA: __/__/__
ROVERI BRINCKER COIMBRA
CREAIRS - 247979



BENTO GONÇALVES-RS
CONSTRUÇÃO DE PISTA DE SKATE NA PRAÇA CENTENÁRIO
PROJETO ESTRUTURAL - OBSTÁCULO A
FORMA E AÇO DAS VIGAS - NÍVEL 2

UNIDADE: m	DATA: OUT 2022	ESCALA: INDICADA	FISCALIZADO: RECEBIDO:	CREAIRS:
Nº DO ARQUIVO TÉCNICO: BG2022-EC-A03/04			PROJETO: ROVERI BRINCKER COIMBRA	CREAIRS: 247979
DESENHO: ROVERI BRINCKER COIMBRA			CREAIRS: 247979	
SUBSTITUI A:				
SUBSTITUÍDO POR:				
MODIFICAÇÃO			DATA	RESPONSABILIDADE