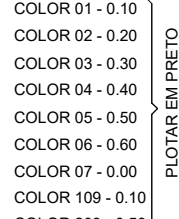
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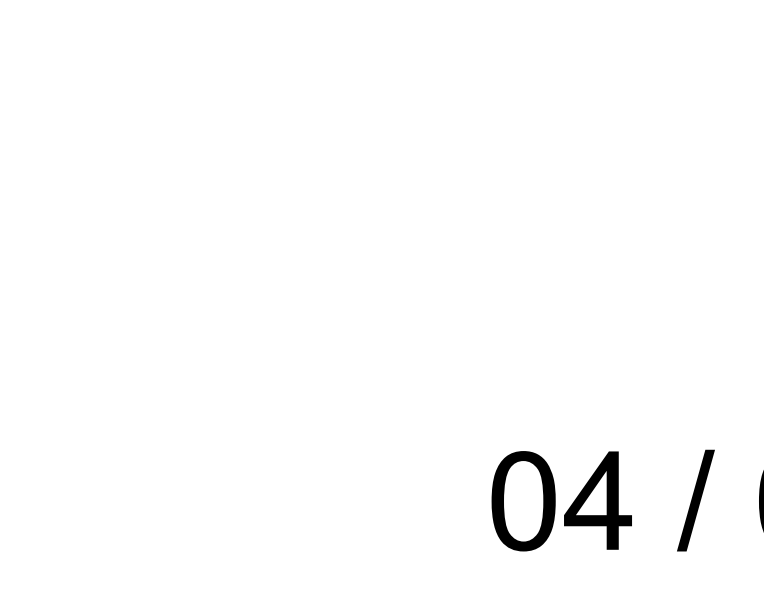
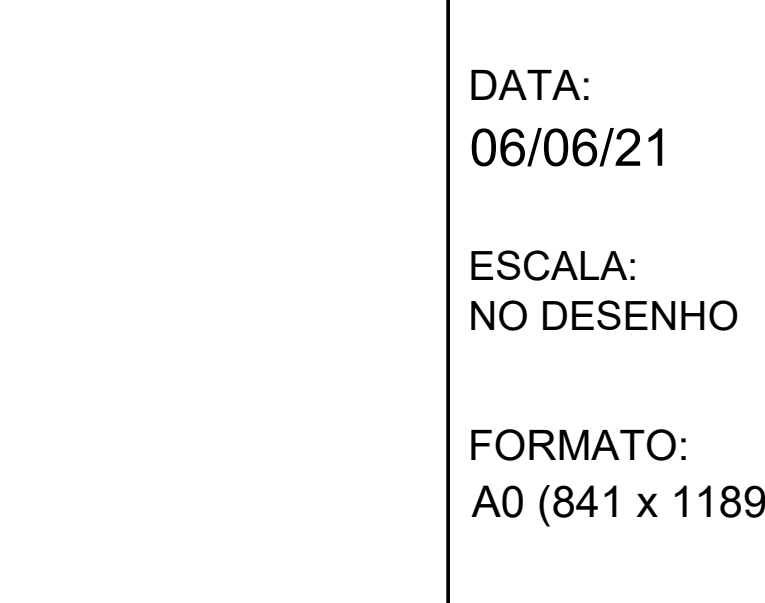
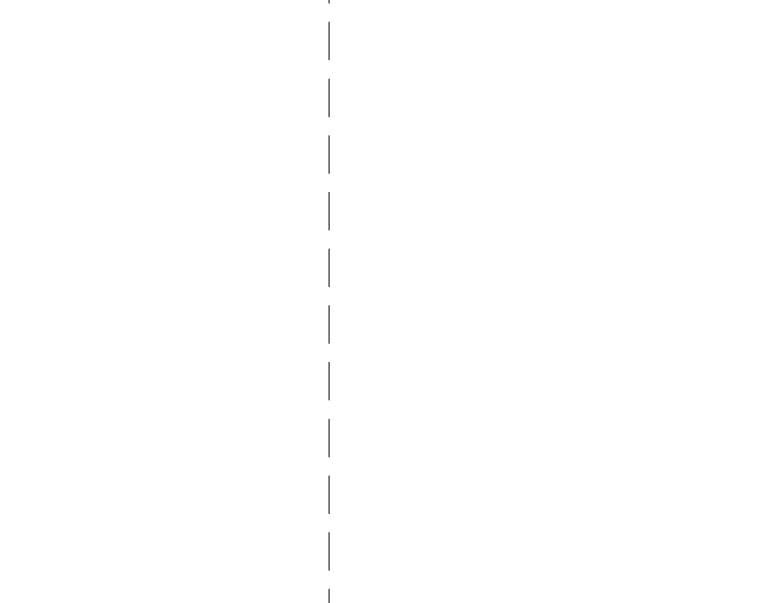
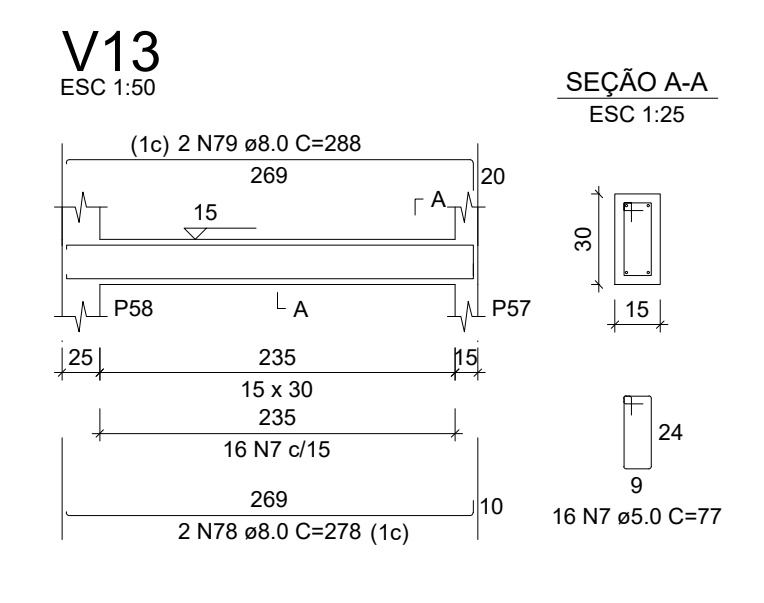
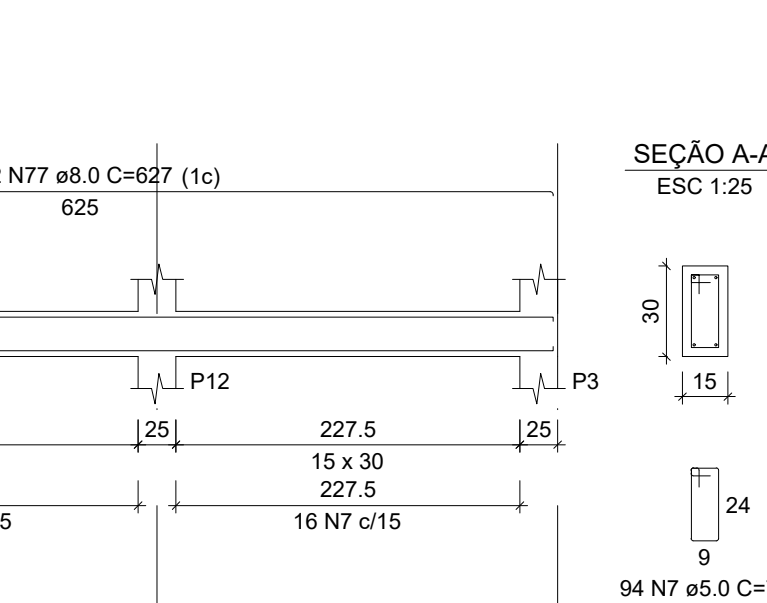
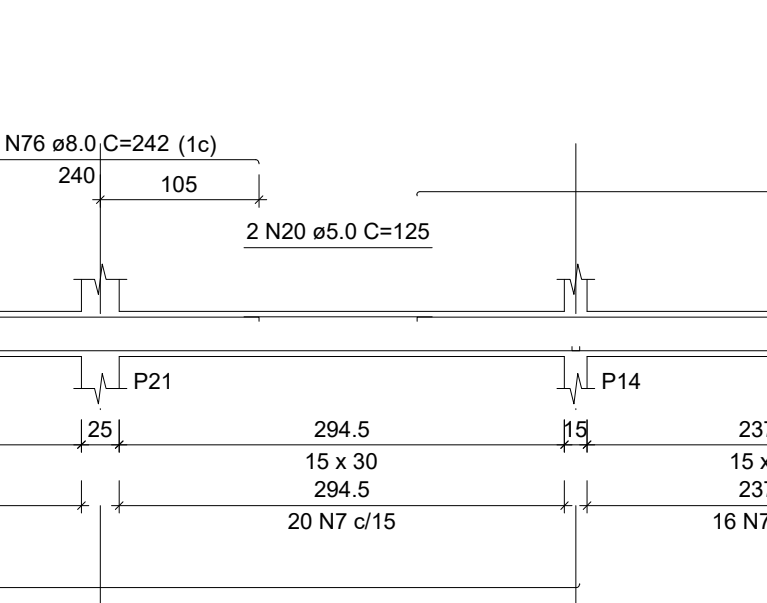
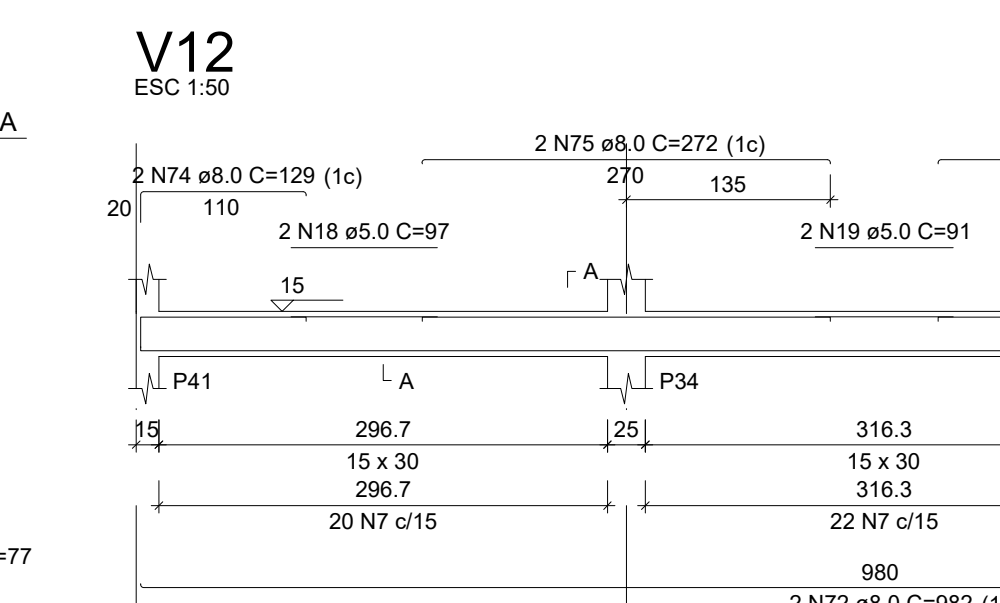
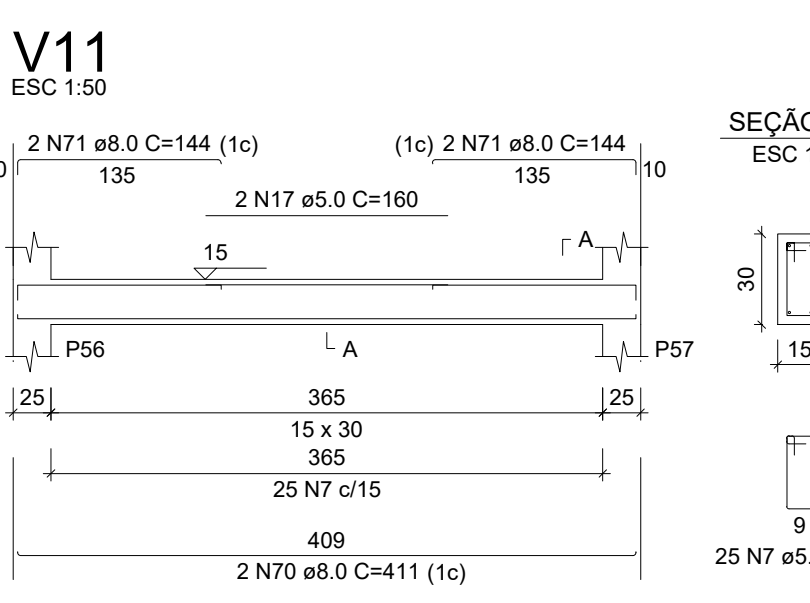
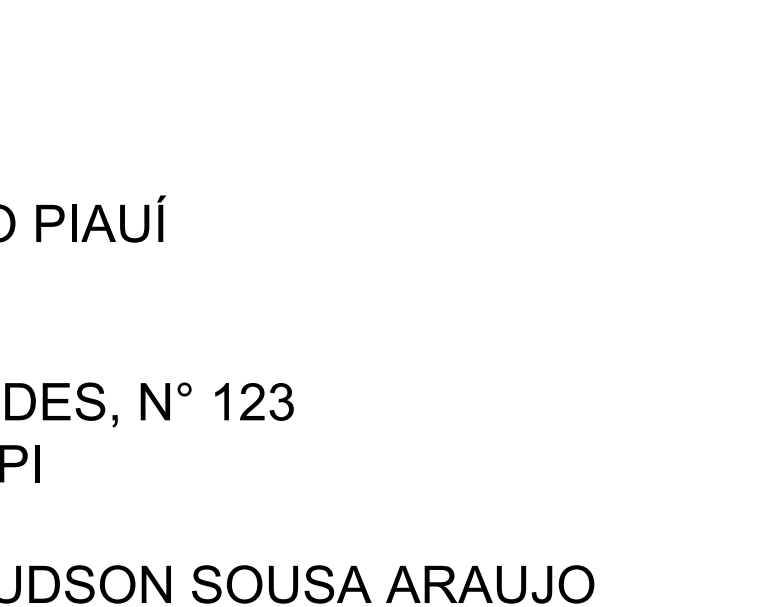
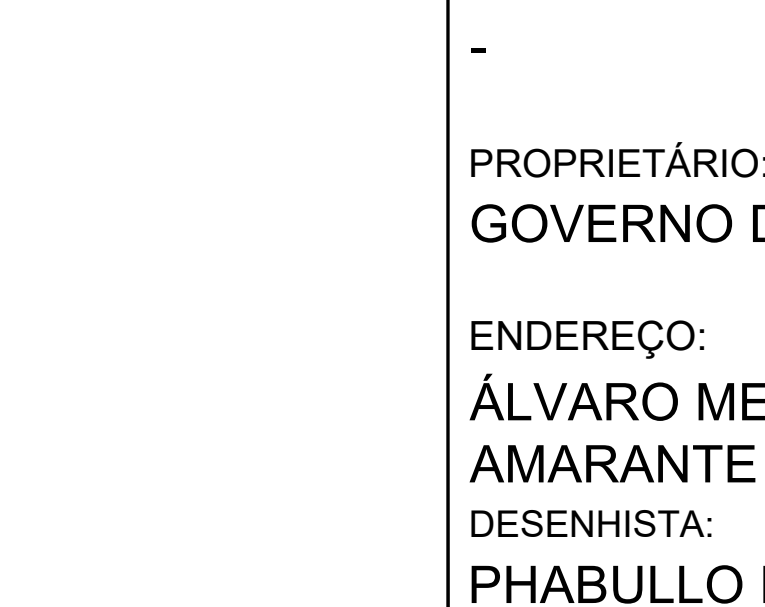
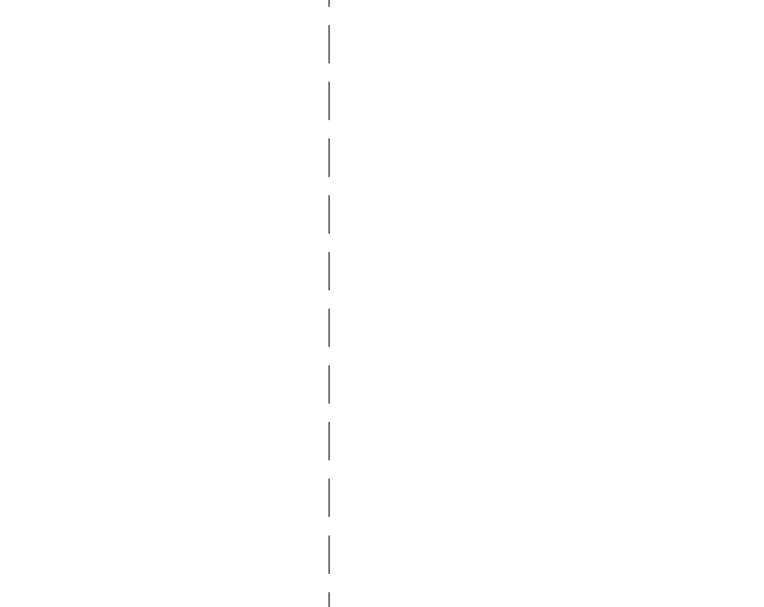
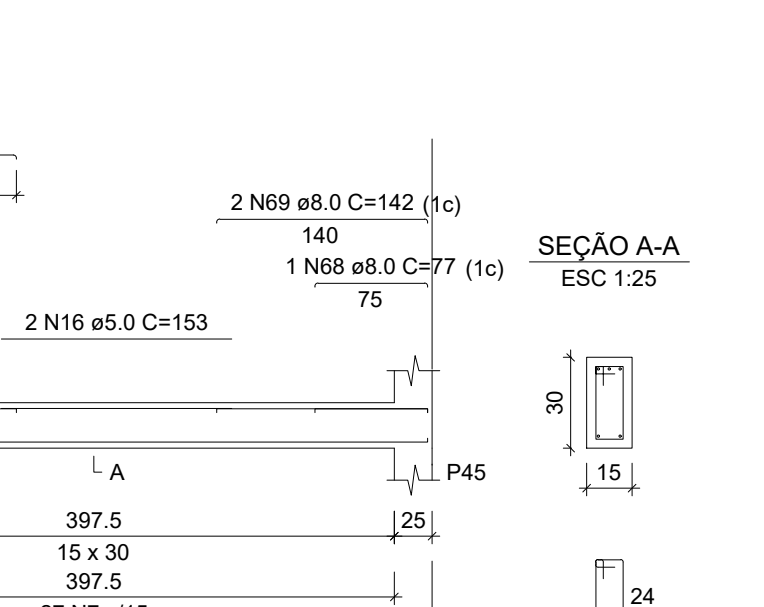
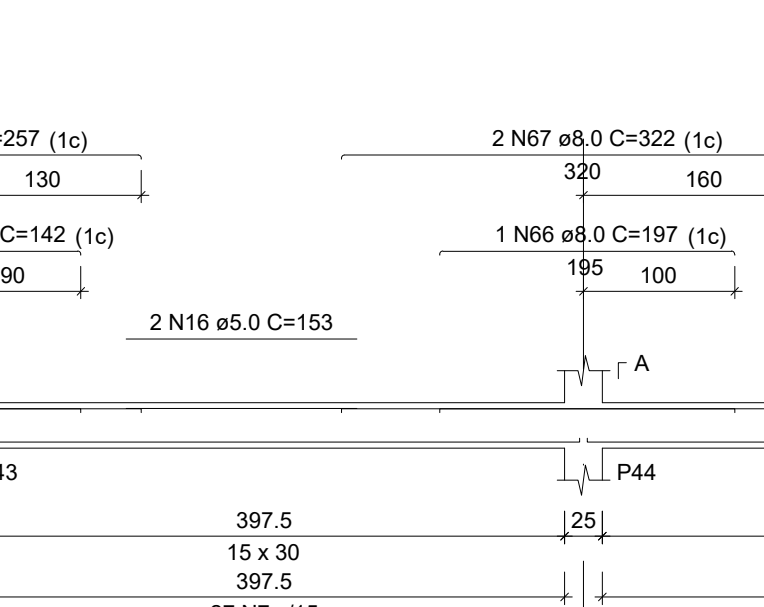
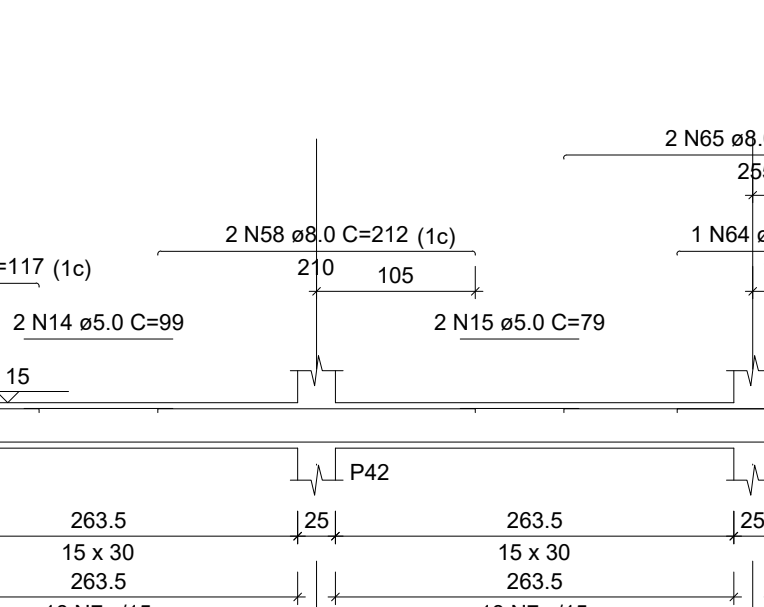
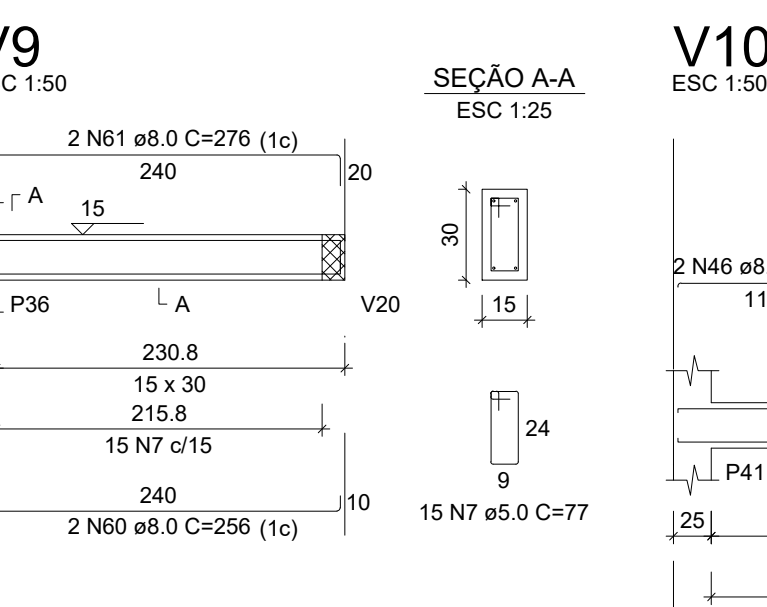
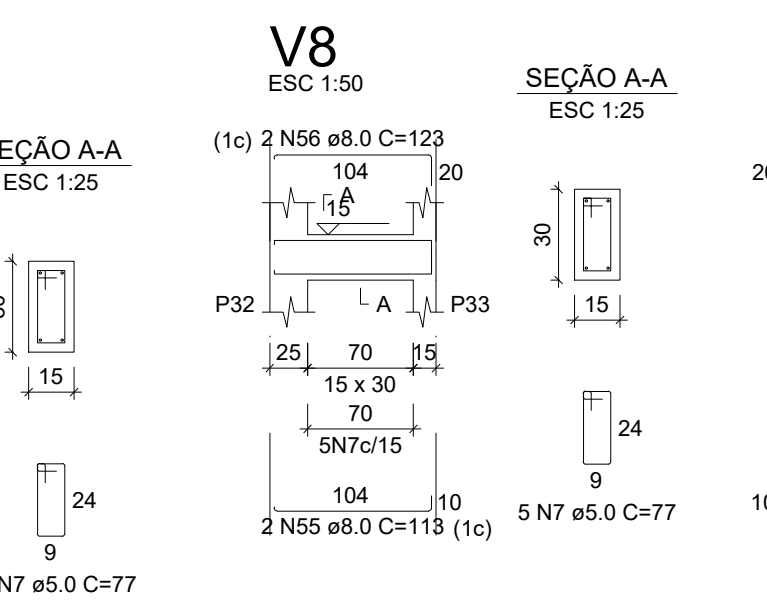
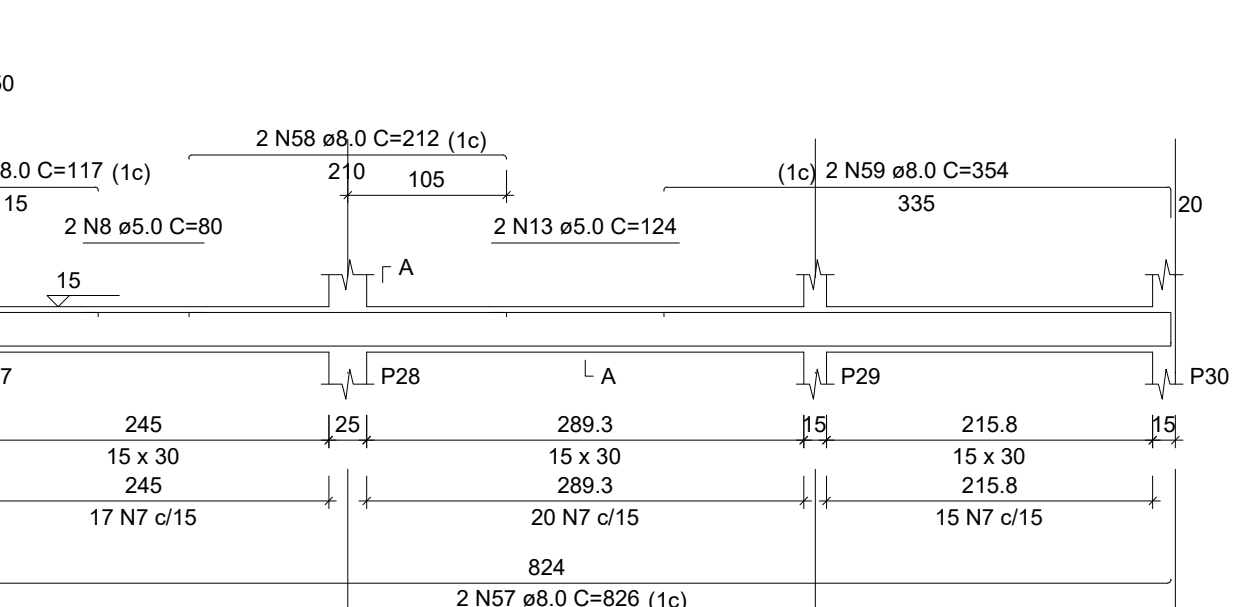
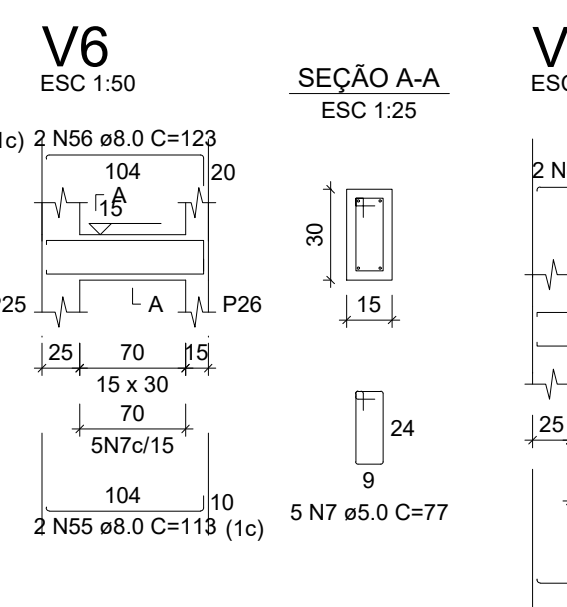
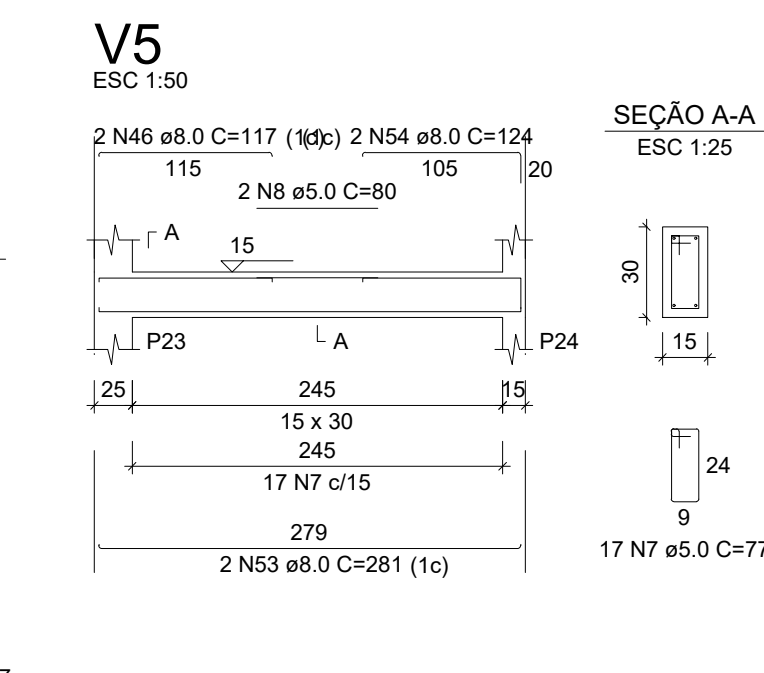
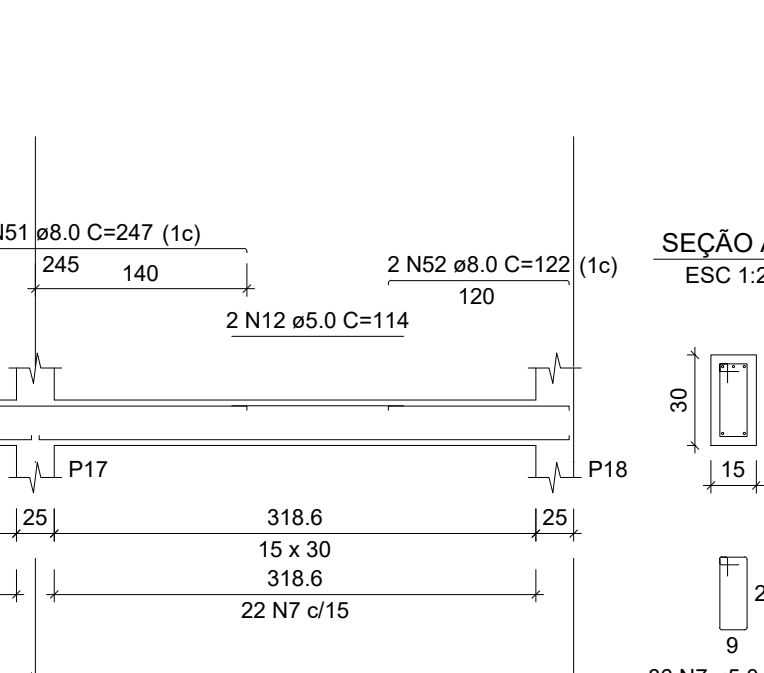
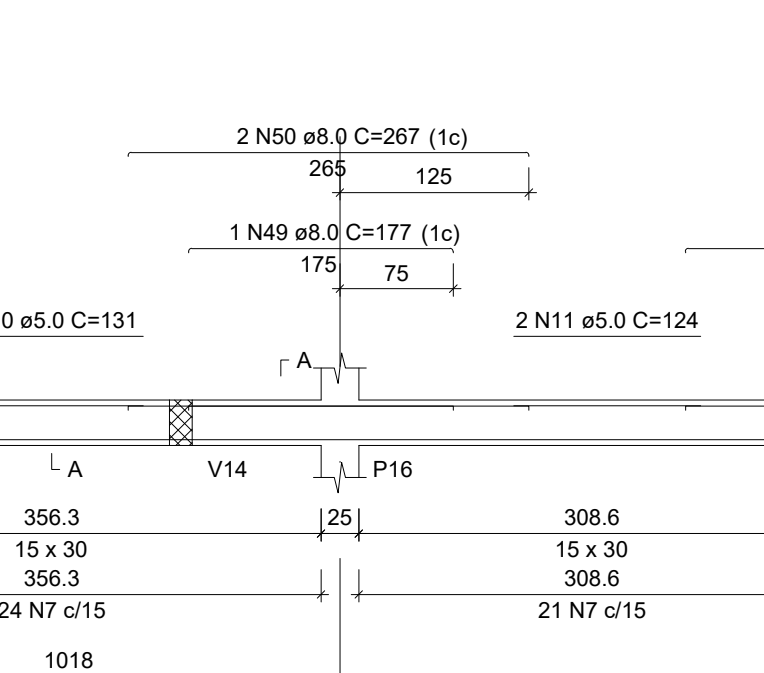
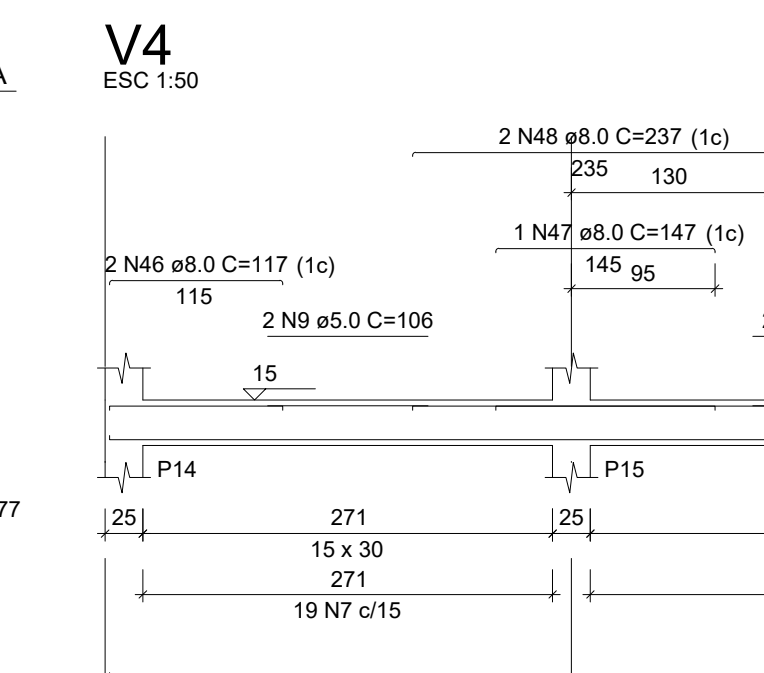
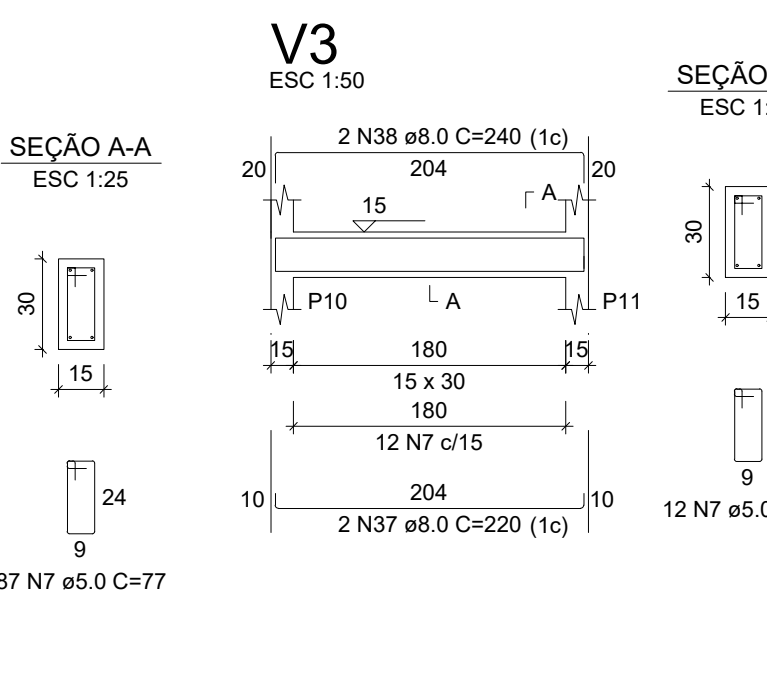
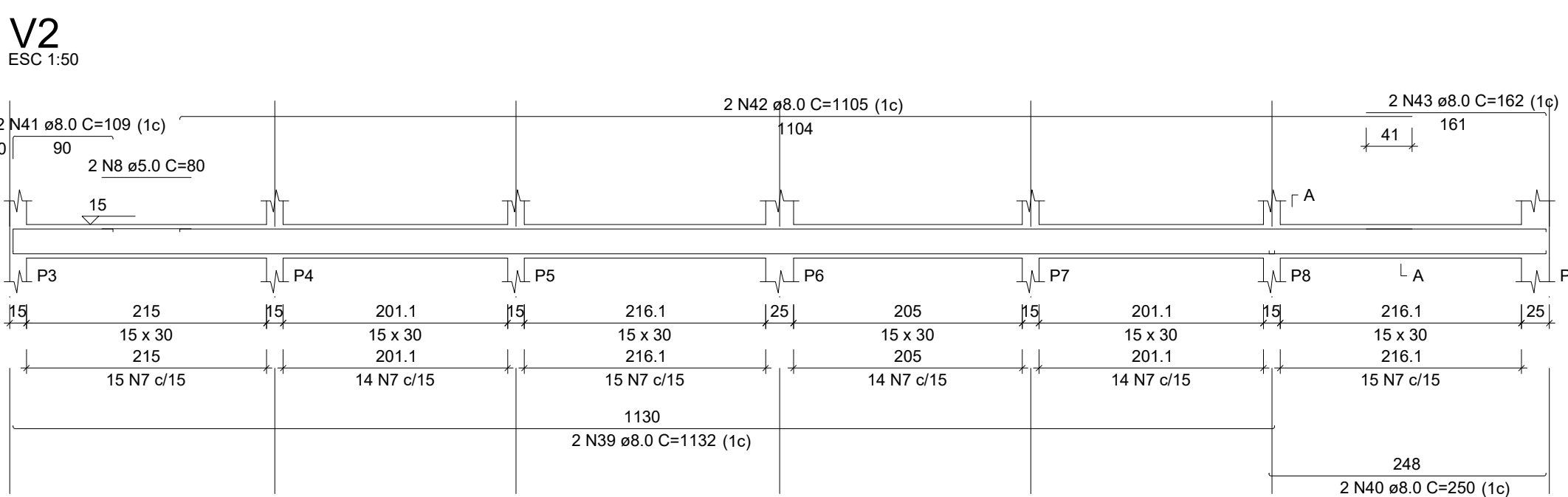
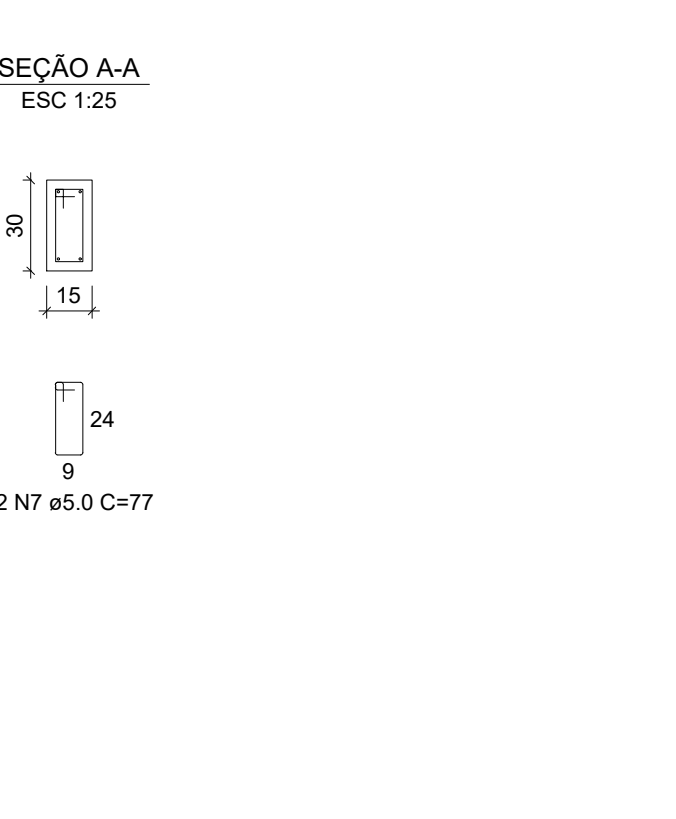
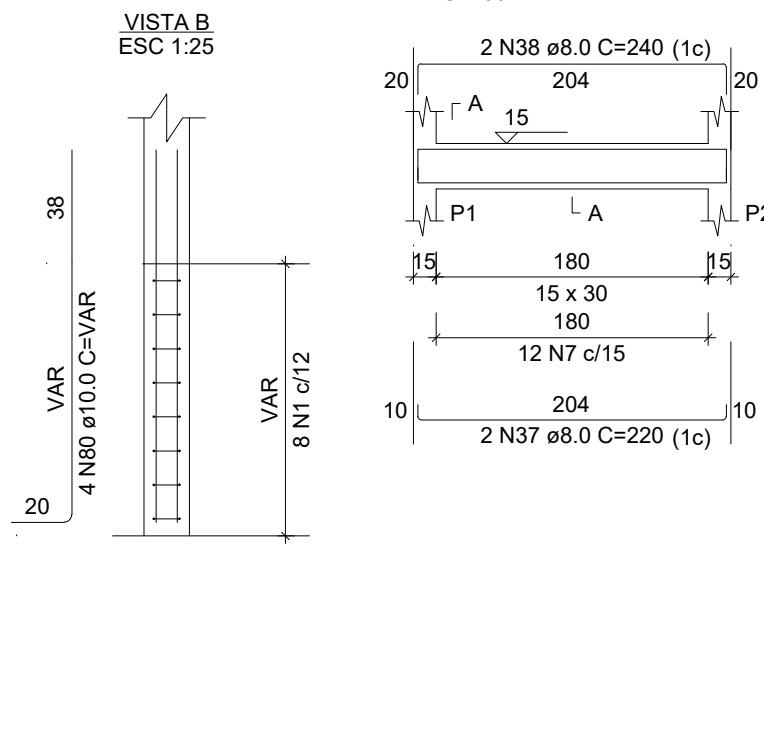
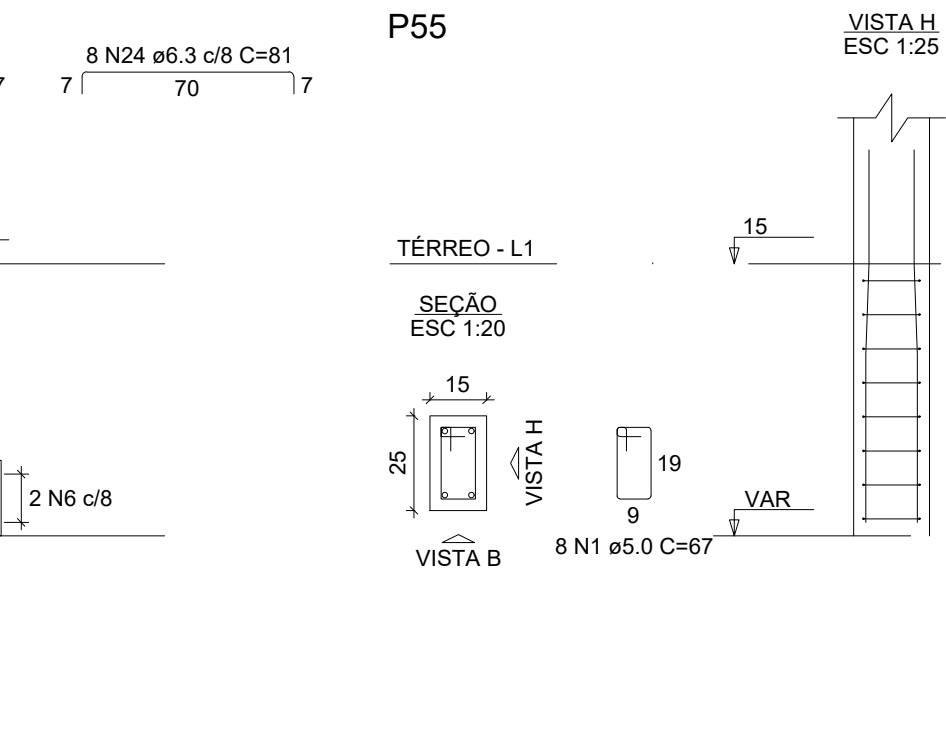
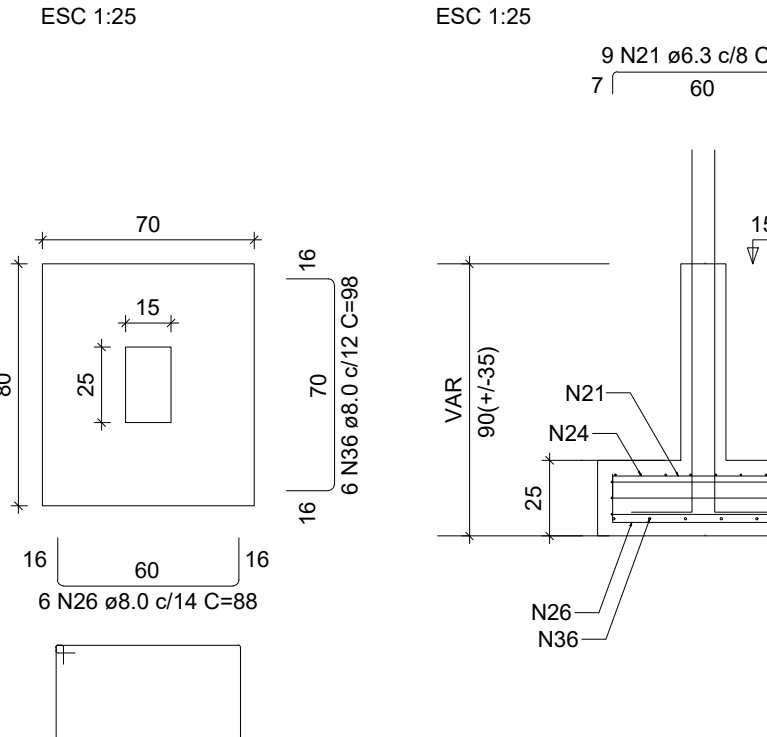
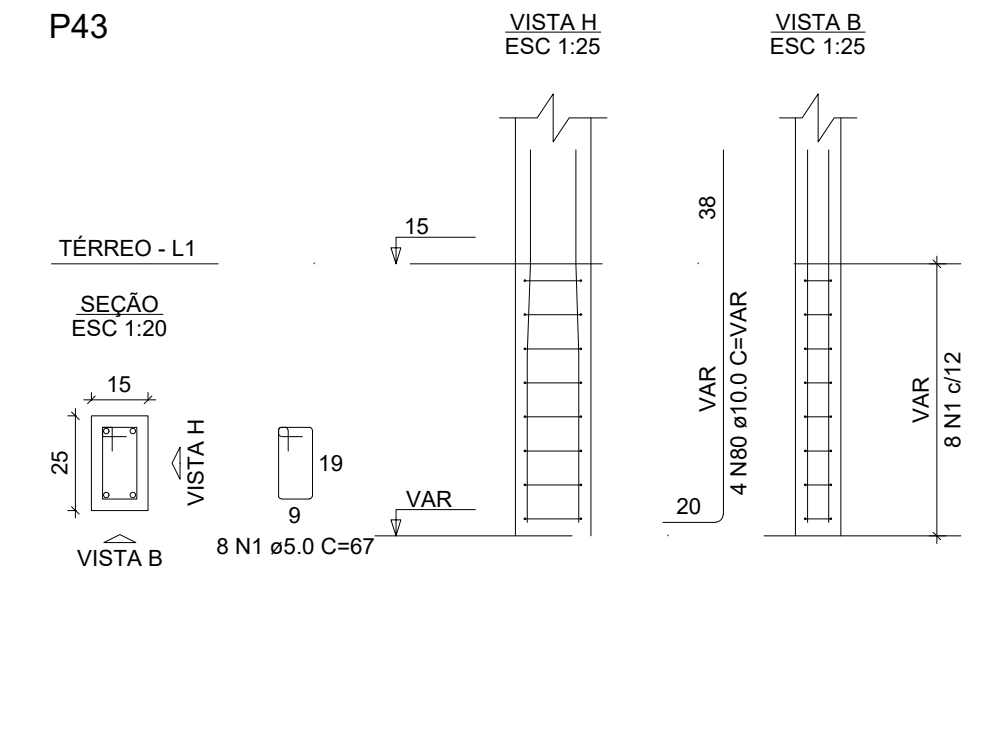
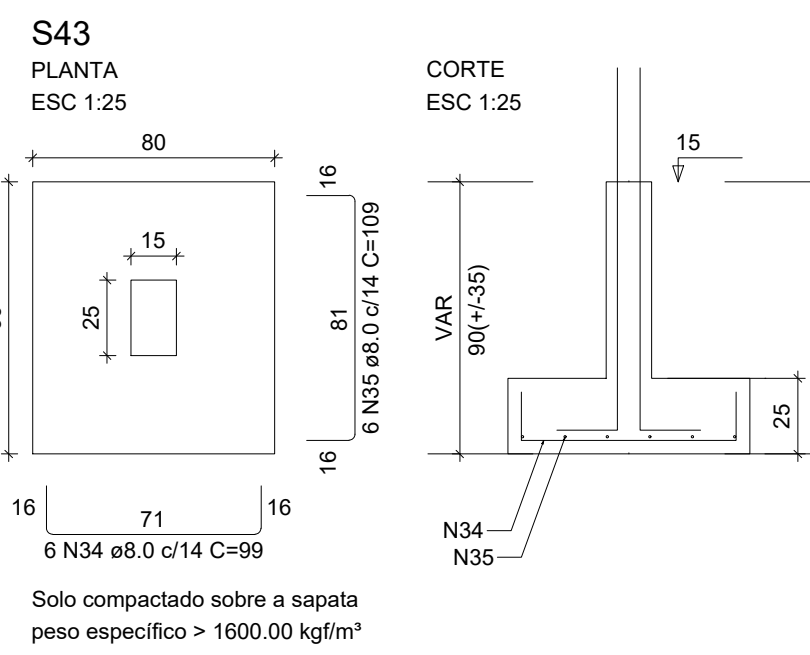
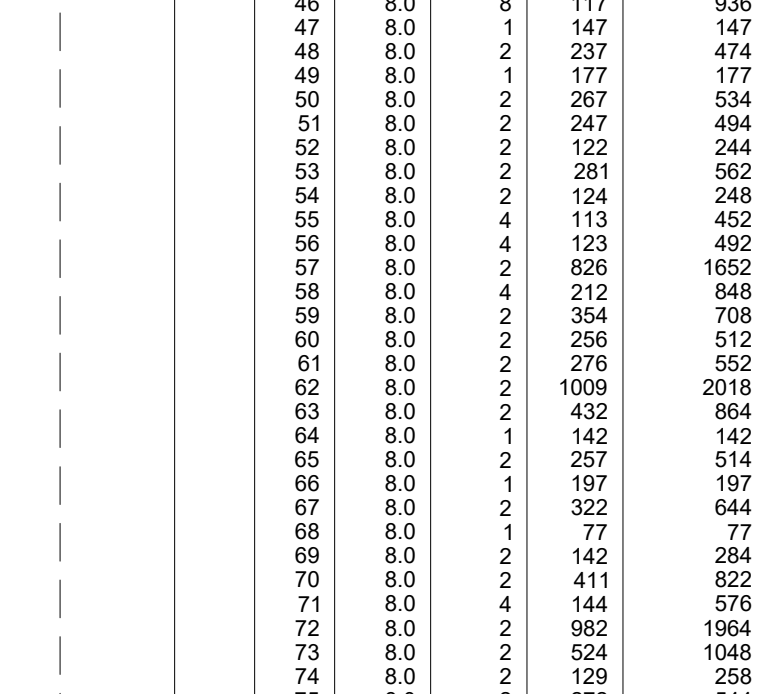
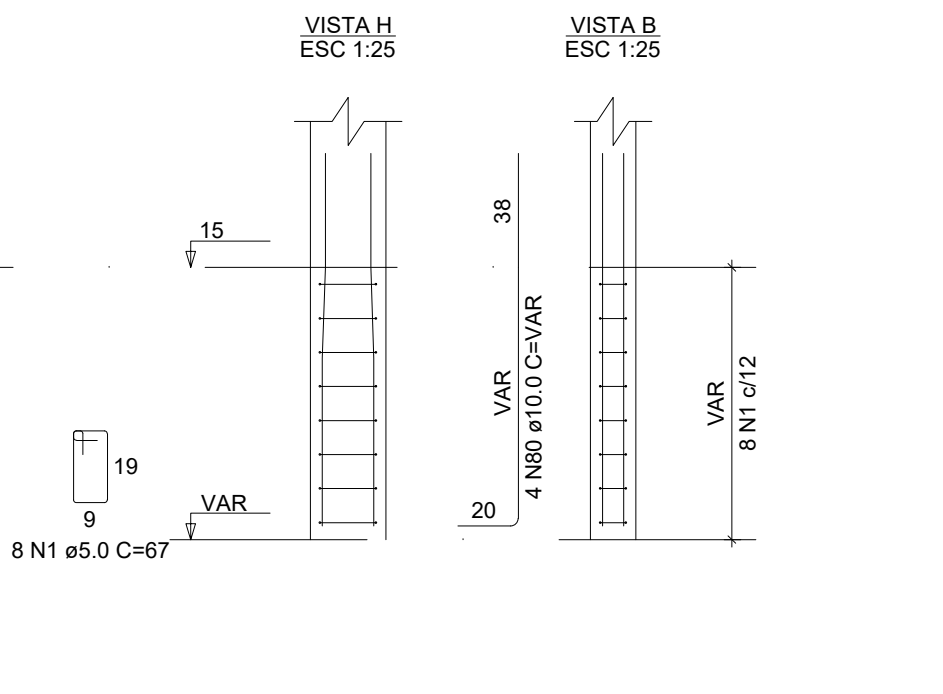
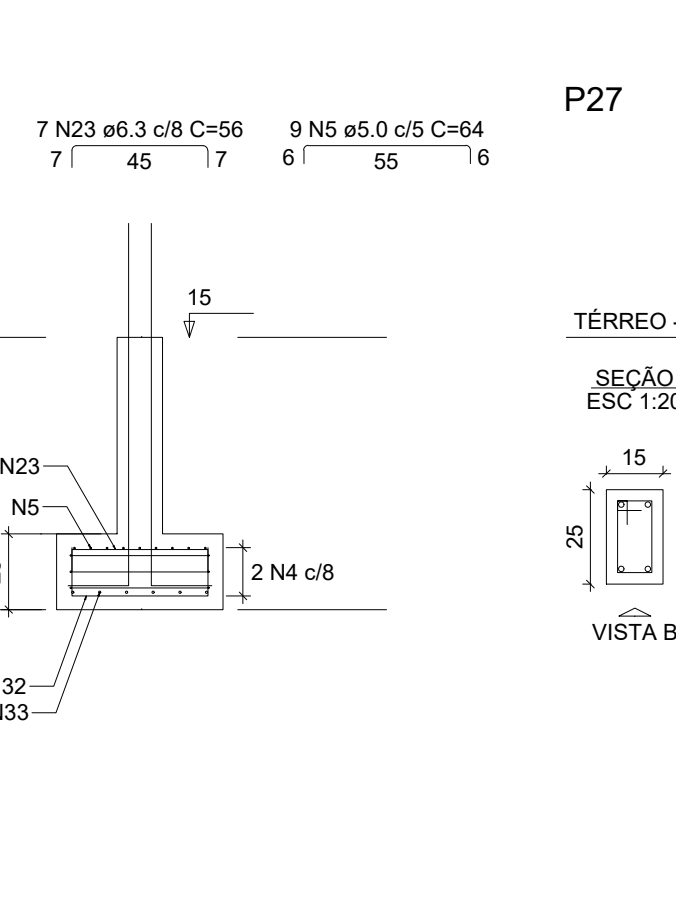
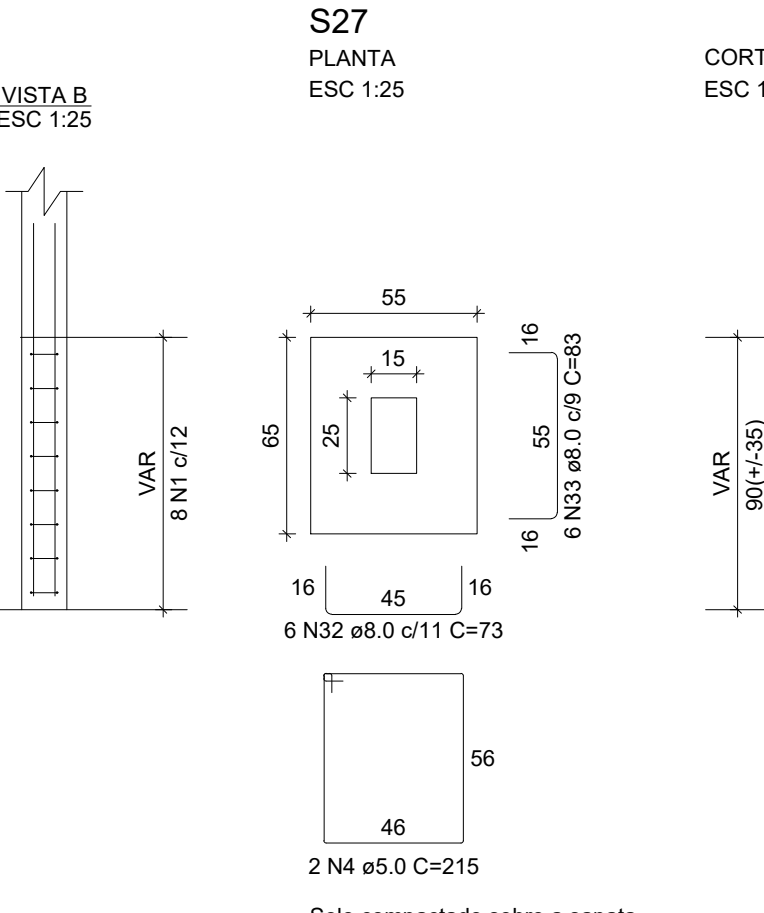
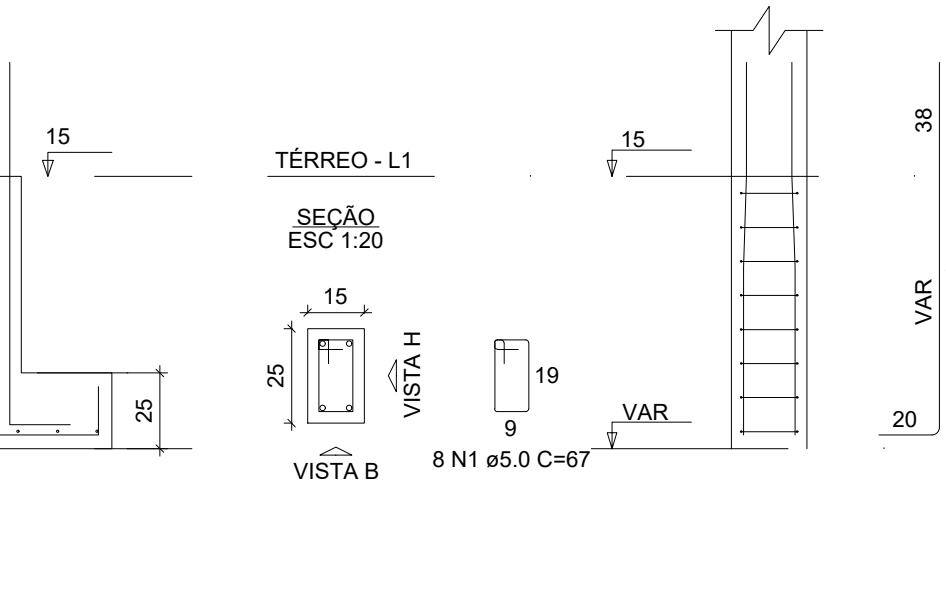
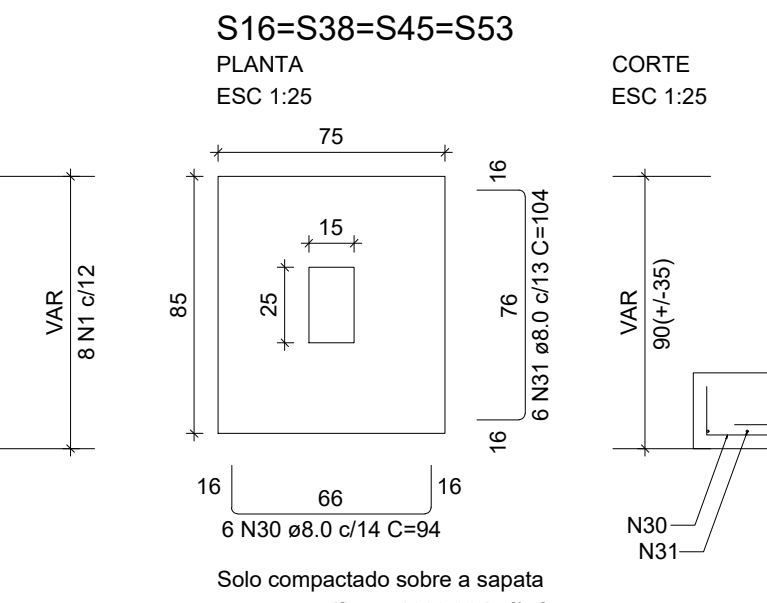
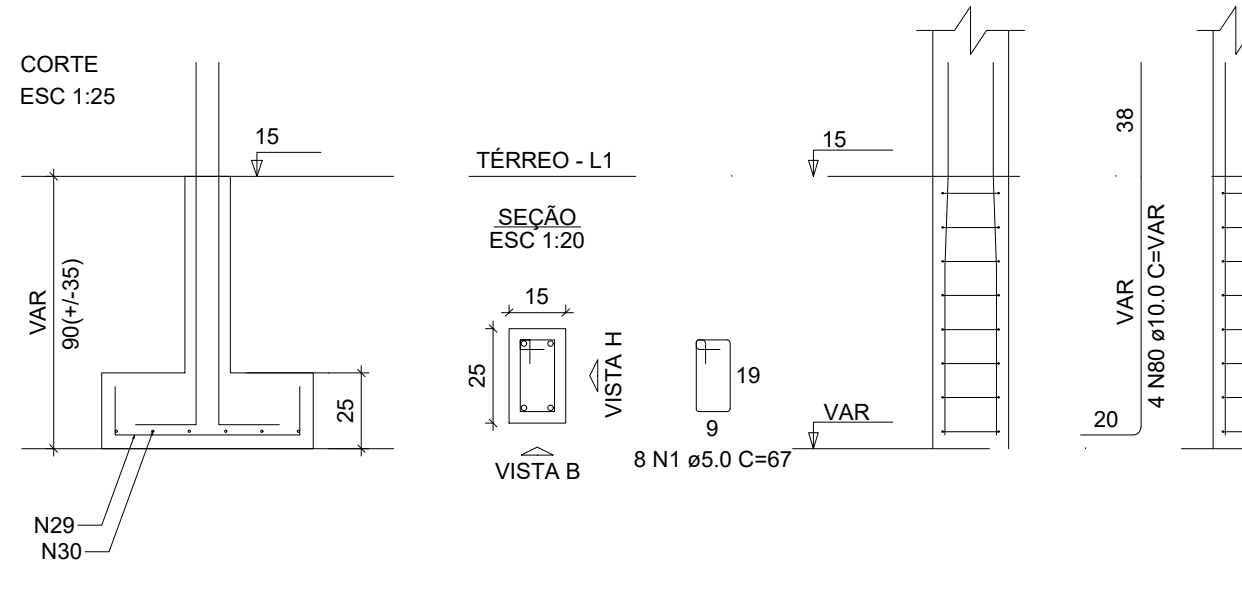
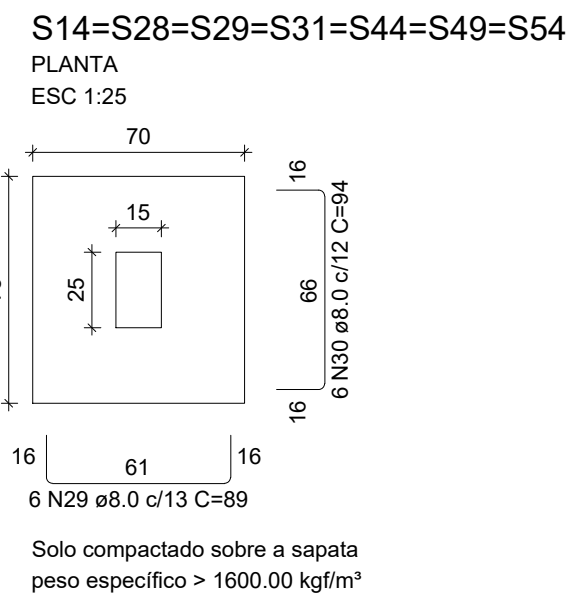
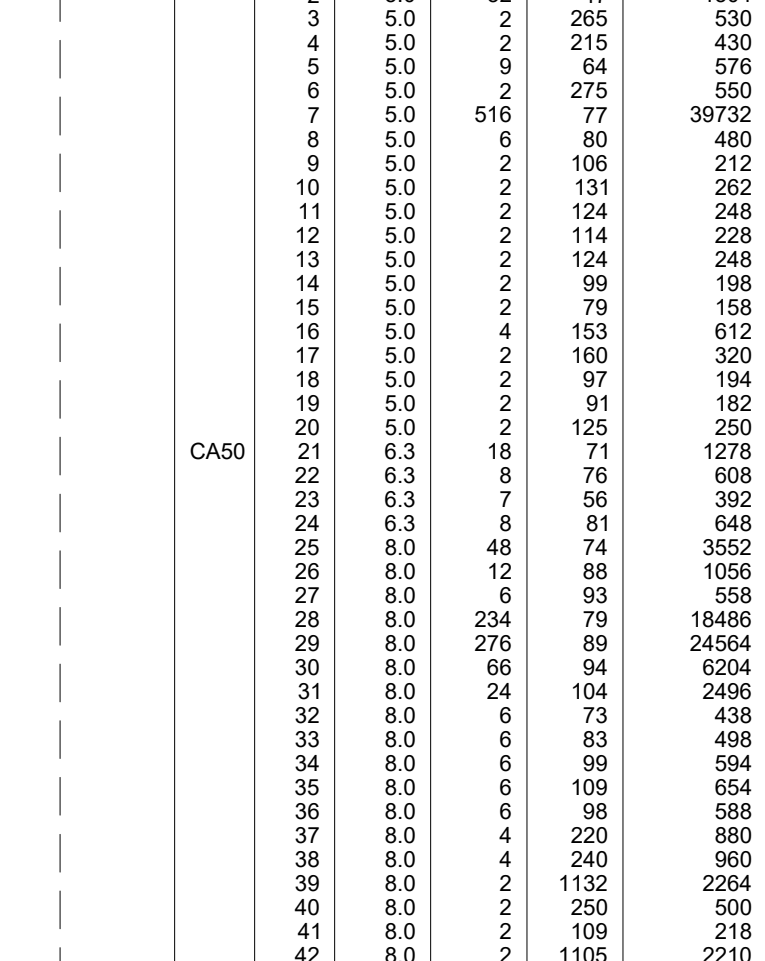
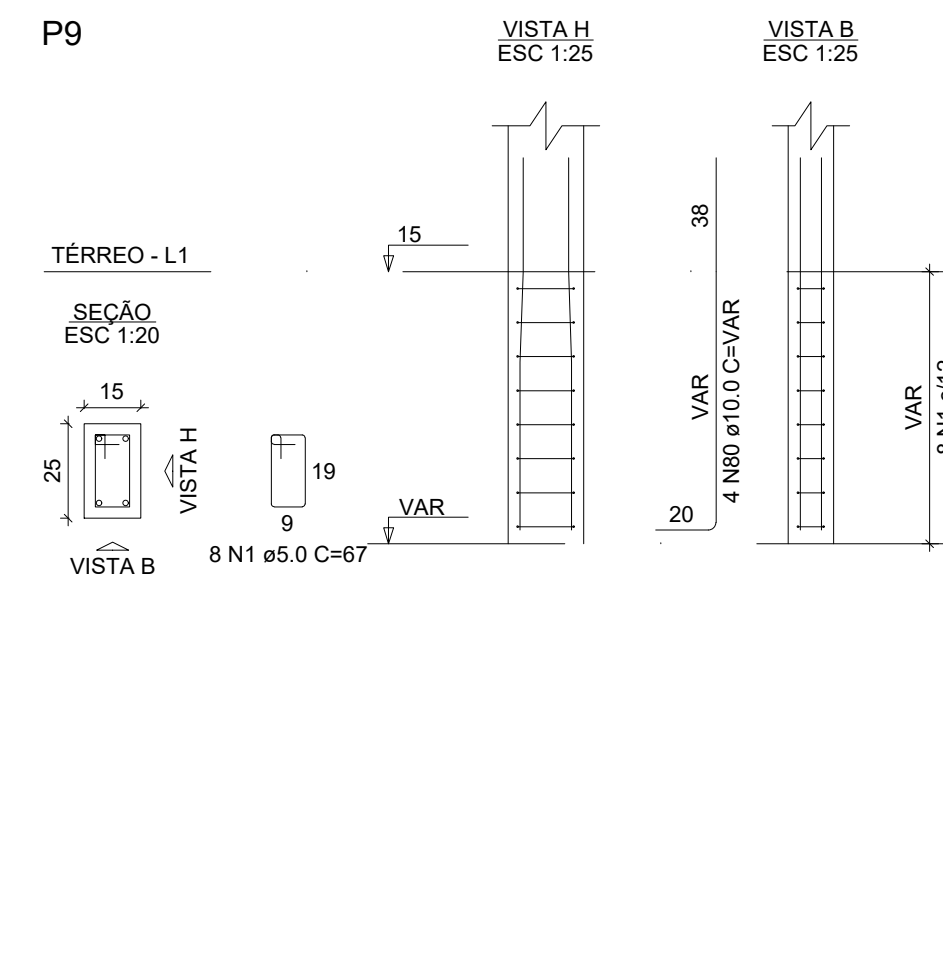
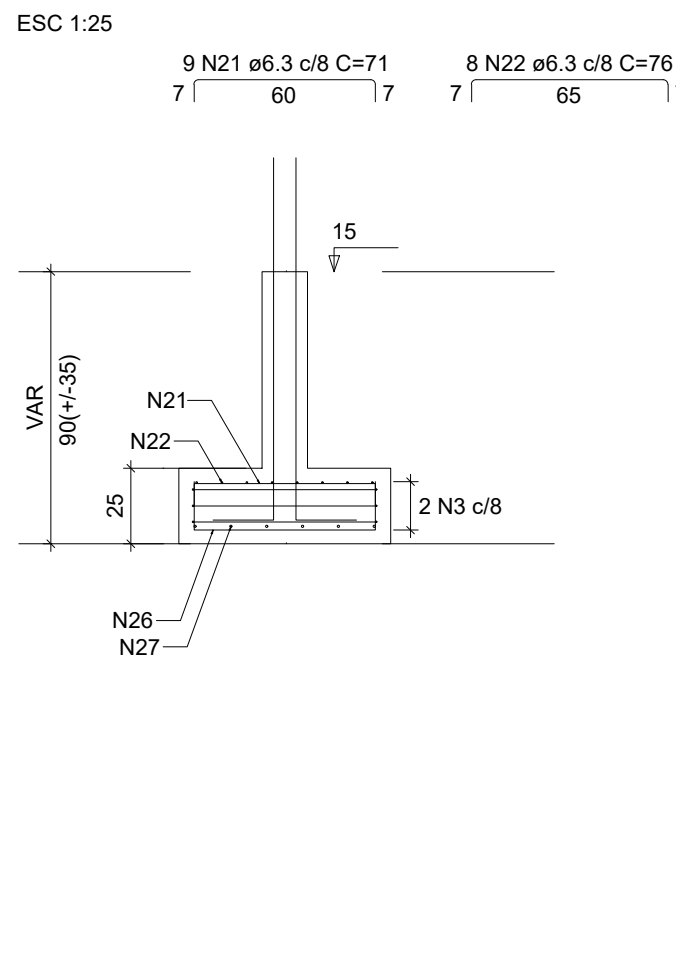
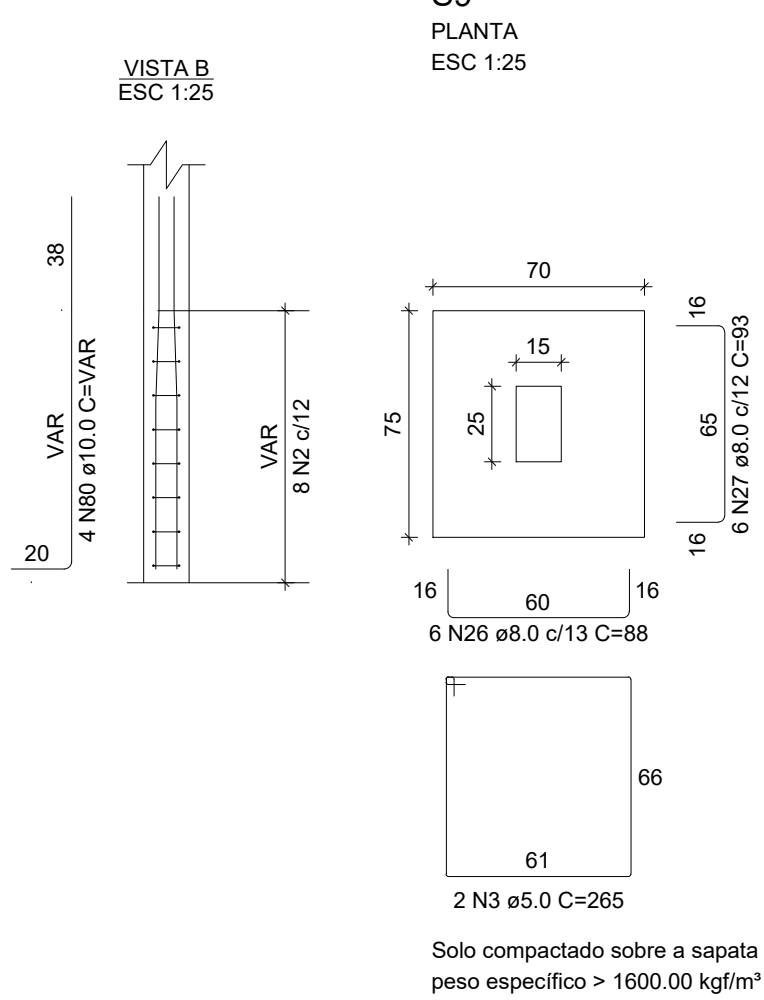
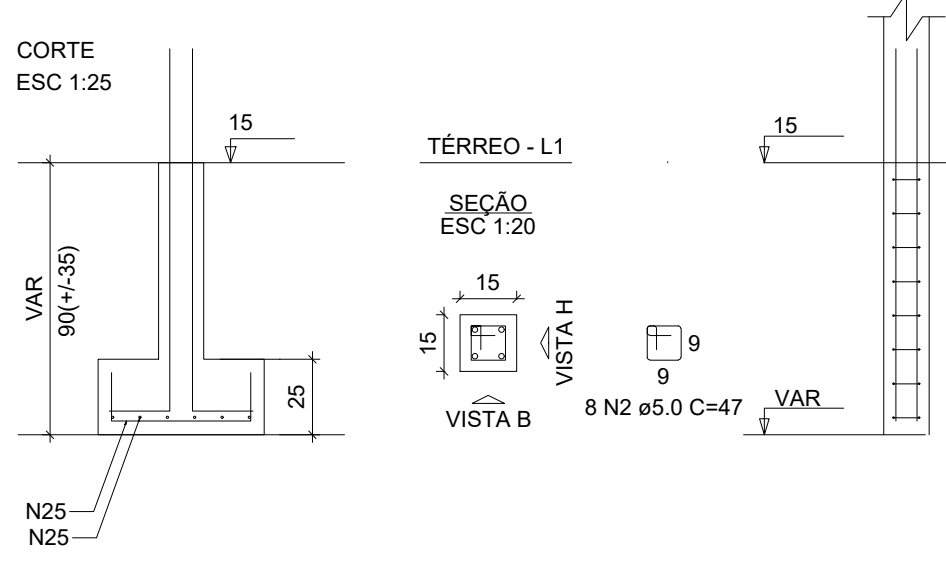
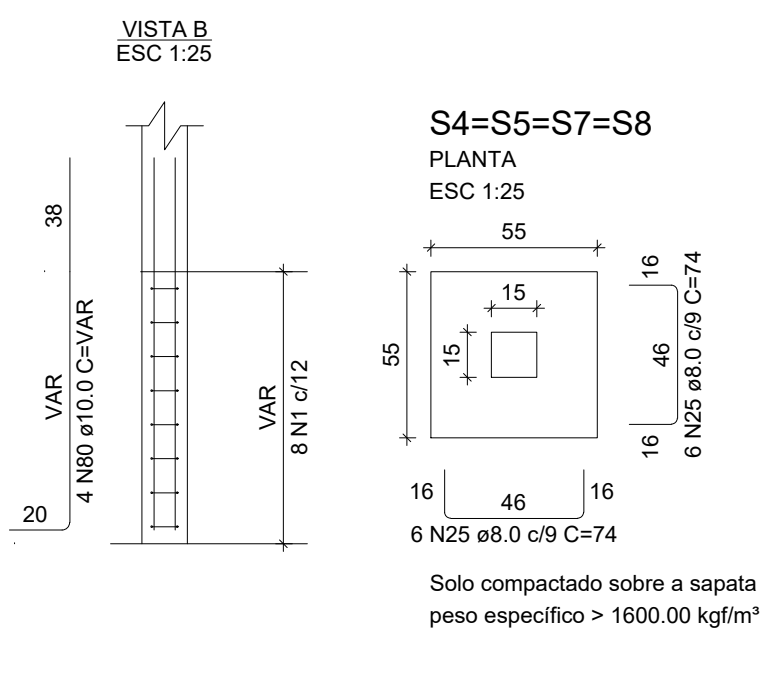
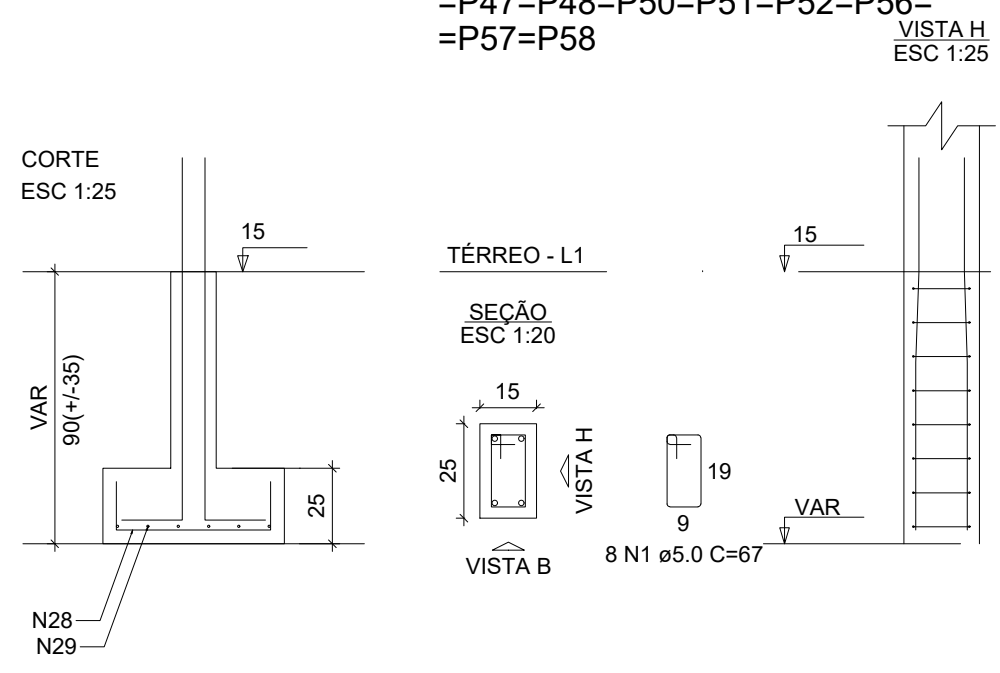
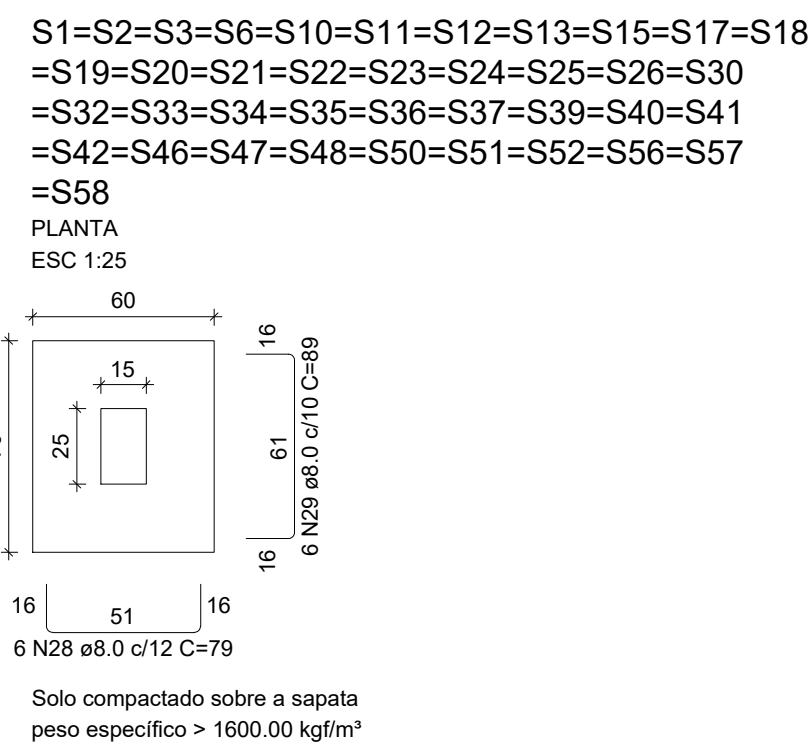
Lajes						
Dados					Sobrecarga (kgf/m²)	
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional
L1	Maciça	8	-80	265	200	154
L2	Maciça	8	-80	265	200	154

Nome	Planes		Nivel
	Segto	(cont)	
P1	15x25	-40	205
P2	15x25	-40	205
P3	15x25	-40	205
P4	15x15	0	345
P5	15x15	0	345
P6	15x25	0	345
P7	15x15	0	345
P8	15x15	0	345
P9	15x25	-40	205
P10	15x25	-40	205
P11	15x25	-40	205
P12	15x25	-40	205
P13	15x25	0	345
P14	15x25	0	345
P15	15x25	0	345
P16	15x25	0	345
P17	15x25	0	345
P18	15x25	0	345
P19	15x25	-40	205
P20	15x25	0	345
P21	15x25	0	345
P22	15x25	0	345
P23	15x25	0	345
P24	15x25	0	345
P25	15x25	-40	205
P26	15x25	-40	205
P27	15x25	0	345
P28	15x25	0	345
P29	15x25	0	345
P30	15x25	0	345
P31	15x25	0	345
P32	15x25	-40	205
P33	15x25	-40	205
P34	15x25	0	345
P35	15x25	0	345
P36	15x25	0	345
P37	15x25	0	345
P38	15x25	0	345
P39	15x25	0	345
P40	15x25	0	345
P41	15x25	0	345
P42	15x25	0	345
P43	15x25	0	345
P44	15x25	0	345
P45	15x25	0	345
P46	15x25	0	345
P47	15x25	0	345
P48	15x25	0	345
P49	15x25	0	345
P50	15x25	0	345
P51	15x25	0	345
P52	15x25	0	345
P53	15x25	0	345
P54	15x25	0	345
P55	15x25	0	345
P56	15x25	0	345
P57	15x25	0	345
P58	15x25	0	345
P59	15x25	0	345
P60	15x25	0	345

Legenda das vigas e paredes	
	Viga
	Paredes

CONTEÚDO:

PLANTA DE FORMA SUPERIOR.



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT	CUMUL (mm)	C TOTAL (mm)
CA60	1	5.0	432	67	28944
	2	8.0	32	247	1504
	3	5.0	265	530	
	4	8.0	215	430	
	5	5.0	64	576	
	6	8.0	275	560	
	7	5.0	516	77	39732
	8	5.0	6	80	480
	9	5.0	106	212	
	10	5.0	131	262	
	11	5.0	124	248	
	12	5.0	114	228	
	13	5.0	124	248	
	14	5.0	99	198	
	15	5.0	79	158	
	16	5.0	153	612	
	17	5.0	180	320	
	18	5.0	97	184	
	19	5.0	183	525	
	20	8.0	125	250	
	21	6.3	168	71	1278
	22	6.3	9	76	688
	23	6.3	7	56	392
	24	6.3	7	61	648
	25	8.0	48	74	3552
	26	8.0	86	94	1056
	27	8.0	93	558	
	28	8.0	234	79	18486
	29	8.0	278	89	24564
	30	8.0	86	94	6204
	31	8.0	24	104	2486
	32	8.0	6	73	438
	33	8.0	6	83	498
	34	8.0	6	99	594
	35	8.0	6	109	654
	36	8.0	6	98	588
	37	8.0	4	220	880
	38	8.0	240	960	
	39	8.0	1132	2264	
	40	8.0	250	550	
	41	8.0	109	218	
	42	8.0	1105	2210	
	43	8.0	182	324	
	44	8.0	1020	2040	
	45	8.0	353	706	
	46	8.0	117	936	
	47	8.0	1	147	147
	48	8.0	2	237	474
	49	8.0	1	177	177
	50	8.0	2	267	534
	51	8.0	247	494	
	52	8.0	122	244	
	53	8.0	281	562	
	54	8.0	124	248	
	55	8.0	113	452	
	56	8.0	123	462	
	57	8.0	826	1652	
	58	8.0	212	848	
	59	8.0	354	708	
	60	8.0	256	512	
	61	8.0	276	552	
	62	8.0	1009	2018	
	63	8.0	432	864	
	64	8.0	142	142	
	65	8.0	257	514	
	66	8.0	199	197	
	67	8.0	322	644	
	68	8.0	77	77	
	69	8.0	142	284	
	70	8.0	411	822	
	71	8.0	144	576	
	72	8.0	882	1964	
	73	8.0	524	1048	
	74	8.0	129	258	
	75	8.0	272	544	
	76	8.0	242	484	
	77	8.0	627	1254	
	78	8.0	278	556	
	79	8.0	268	576	
	80	10.0	232	232	
			VAR	VAR	

RESUMO DO AÇO

ACO	DIAM (mm)	C TOTAL (m)	PESO = 10% (kg)
CA60	6.3	29.3	9.9
	8.0	816.4	397.8
	10.0	329.4	223.4
	5.0	758.6	128.6
PESO TOTAL (kg)			
CA60	629.1		
	128.6		

Volume de concreto (C-25) = 5.68 m³
Volume de concreto (C-25) = 5.68 m³
Área de forma = 142.78 m²



PROJETO:
U.E OTACILIA RAMOS

PROJETO TIPO: PROJETO DE INFRAESTRUTURA EDUCACIONAL

PROPRIETÁRIO:
NOME DO PROPRIETÁRIO
CPF.:

AUTOR DO PROJETO:
PHABULLO HUDSON SOUSA ARAUJO
CREA - 1918962669

RESPONSÁVEL TÉCNICO:
ARQUITETO / ENGENHEIRO
CAU / CREA

APROVAÇÕES:

OBSERVAÇÕES:

COORDENAÇÃO:
FADEX - Fundação Cultural e de Fomento à Pesquisa, Ensino, Extensão e Inovação

RESPONSÁVEL TÉCNICO:
-

PROPRIETÁRIO:
GOVERNO DO PIAUÍ

ENDEREÇO:
ÁLVARO MENDES, N° 123
AMARANTE - PI
DESENHISTA:
PHABULLO HUDSON SOUSA ARAUJO

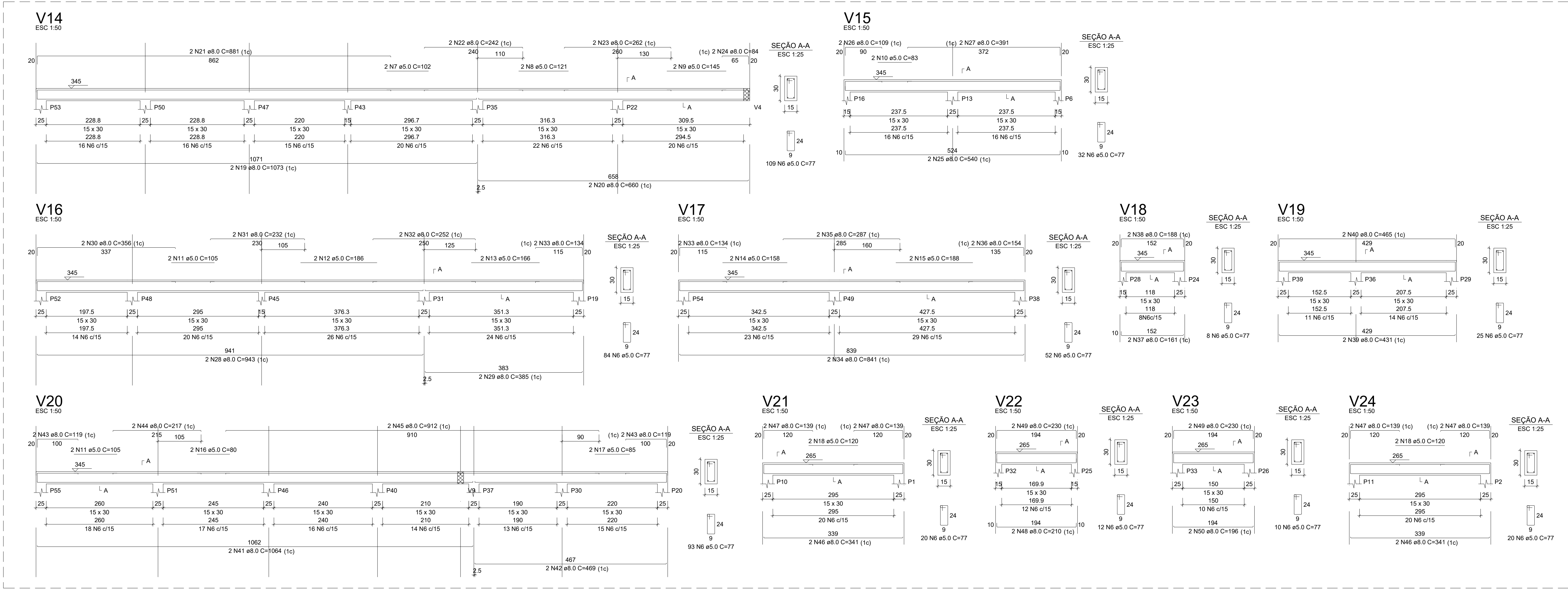
REVISÃO:

DATA:
06/06/21

ESCALA:
NO DESENHO

FORMATO:
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CONTEÚDO:
DETALHAMENTO DE SAPATAS E VIGAS TÉRREO 01-02.



RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	96	60	5760
	2	5.0	20	204	4080
	3	5.0	12	339	4068
	4	5.0	11	104	1144
	5	5.0	5	134	670
	6	5.0	463	77	35805
	7	5.0	102	24	2448
	8	5.0	121	242	29282
	9	5.0	145	200	29000
	10	5.0	83	166	13778
CA50	11	5.0	4	165	660
	12	5.0	2	186	372
	13	5.0	2	166	332
	14	5.0	158	316	50128
	15	5.0	188	316	59608
	16	5.0	2	80	160
	17	5.0	2	85	170
	18	5.0	2	120	240
	19	5.0	2	1073	2146
	20	8.0	660	1320	87120
CA50	21	8.0	2	681	1362
	22	8.0	2	242	484
	23	8.0	2	262	524
	24	8.0	2	540	1080
	25	8.0	2	109	218
	26	8.0	2	191	382
	27	8.0	2	943	1886
	28	8.0	2	385	770
	29	8.0	2	356	712
	30	8.0	2	252	504
CA50	31	8.0	2	252	504
	32	8.0	2	252	504
	33	8.0	2	252	504
	34	8.0	2	252	504
	35	8.0	2	252	504
	36	8.0	2	252	504
	37	8.0	2	252	504
	38	8.0	2	252	504
	39	8.0	2	252	504
	40	8.0	2	252	504
CA50	41	8.0	2	252	504
	42	8.0	2	252	504
	43	8.0	2	252	504
	44	8.0	2	252	504
	45	8.0	2	252	504
	46	8.0	2	252	504
	47	8.0	2	252	504
	48	8.0	2	252	504
	49	8.0	2	252	504
	50	8.0	2	252	504

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	5.0	284.2	23.3
CA60	5.0	563.6	93.9
PESO TOTAL (kg)			
CA50	123.3		
CA60	23.9		
Volume de concreto (C-25) = 4.02 m³			
Área de forma = 64.63 m²			



PROJETO:
U.E OTACILIA RAMOS

PROJETO TIPO: PROJETO DE INFRAESTRUTURA EDUCACIONAL

PROPRIETÁRIO:
NOME DO PROPRIETÁRIO
CPF.:

AUTOR DO PROJETO:
PHABULLO HUDSON SOUSA ARAUJO
CREA - 1918962669

RESPONSÁVEL TÉCNICO:
ARQUITETO / ENGENHEIRO
CAU / CREA

APROVAÇÕES:

OBSERVAÇÕES:

COORDENAÇÃO:
FADEX - Fundação Cultural e de Fomento à Pesquisa, Ensino, Extensão e Inovação

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO:
GOVERNO DO PIAUÍ

ENDEREÇO:
ÁLVARO MENDES, N° 123
AMARANTE - PI
DESENHISTA:
PHABULLO HUDSON SOUSA ARAUJO

REVISÃO:

DATA:
06/06/21

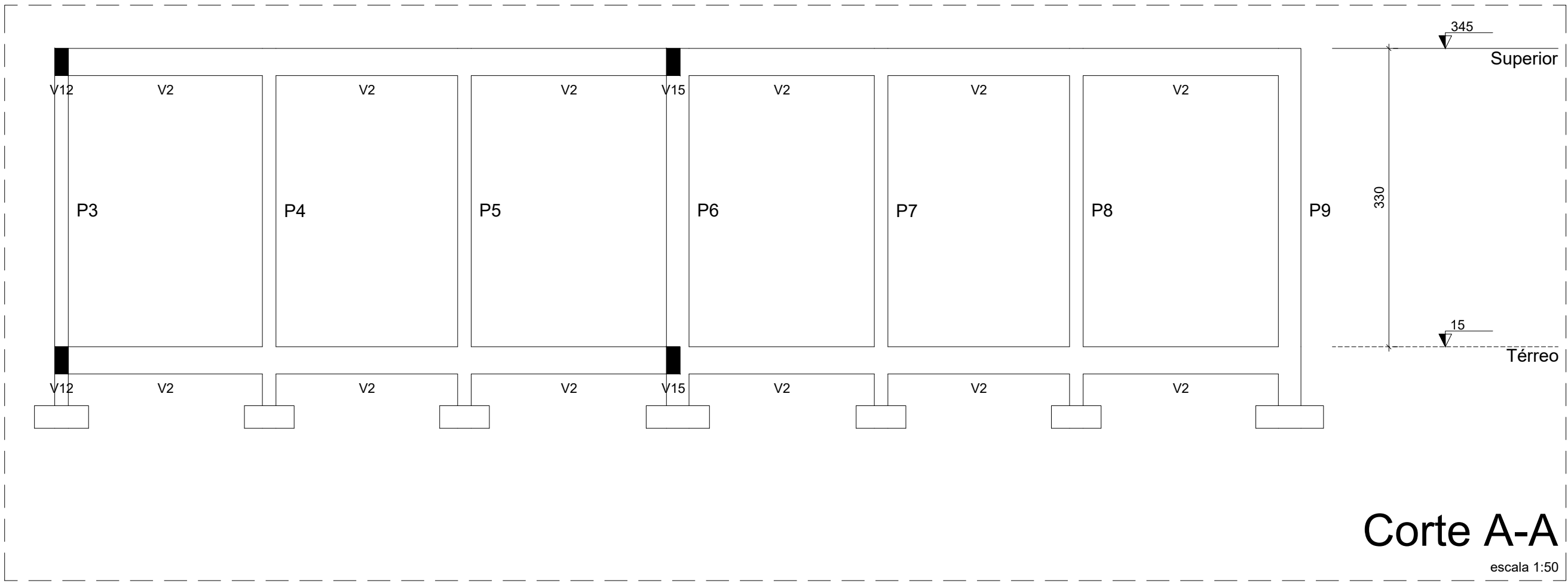
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NO DESENHO

FORMATO:
A0 (841 x 1189)

CONTEÚDO:
DETALHAMENTO VIGAS SUPERIOR 02-02, ARMAÇÃO POSITIVA E NEGATIVA DA LAJE.

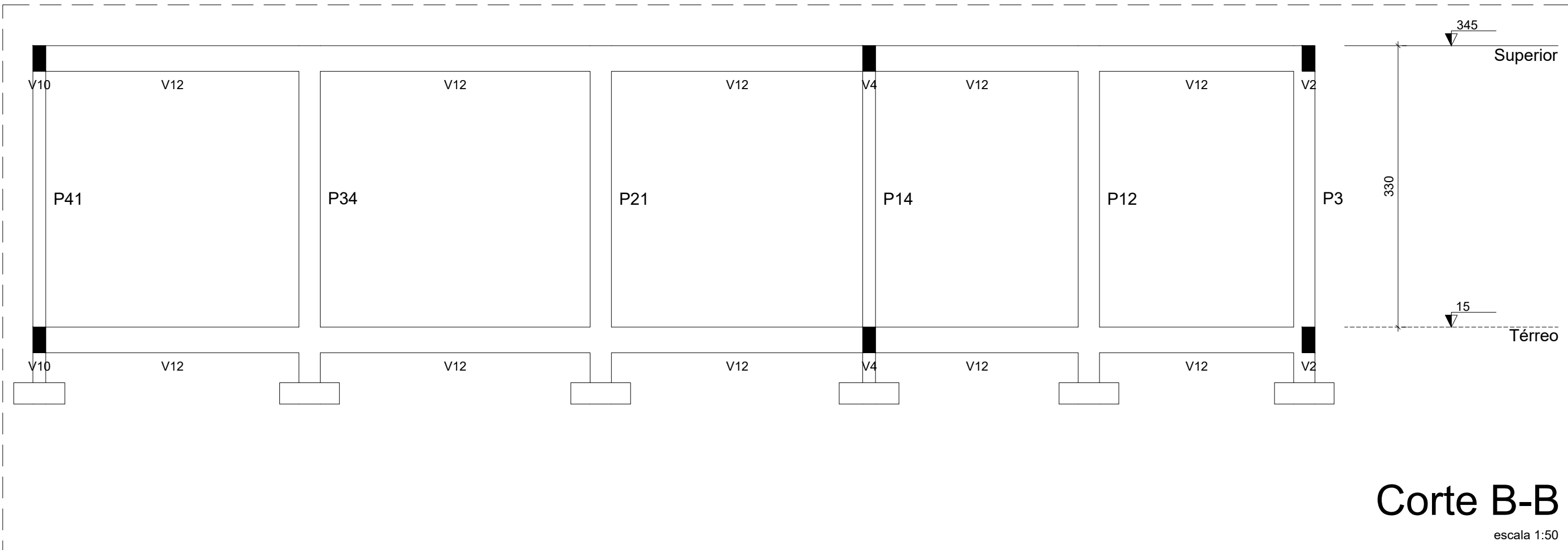
Armação negativa das lajes do pavimento Superior
escala 1:50

Armação positiva das lajes do pavimento Superior
escala 1:50



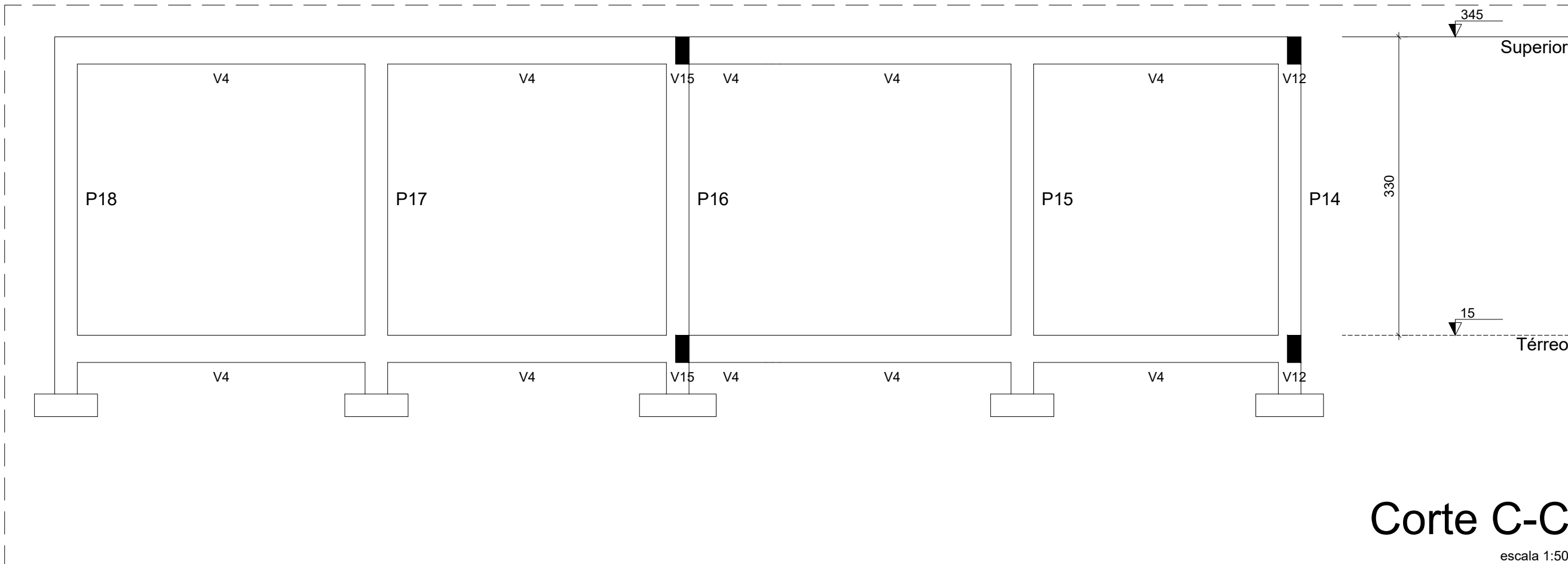
Corte A-A

escala 1:50



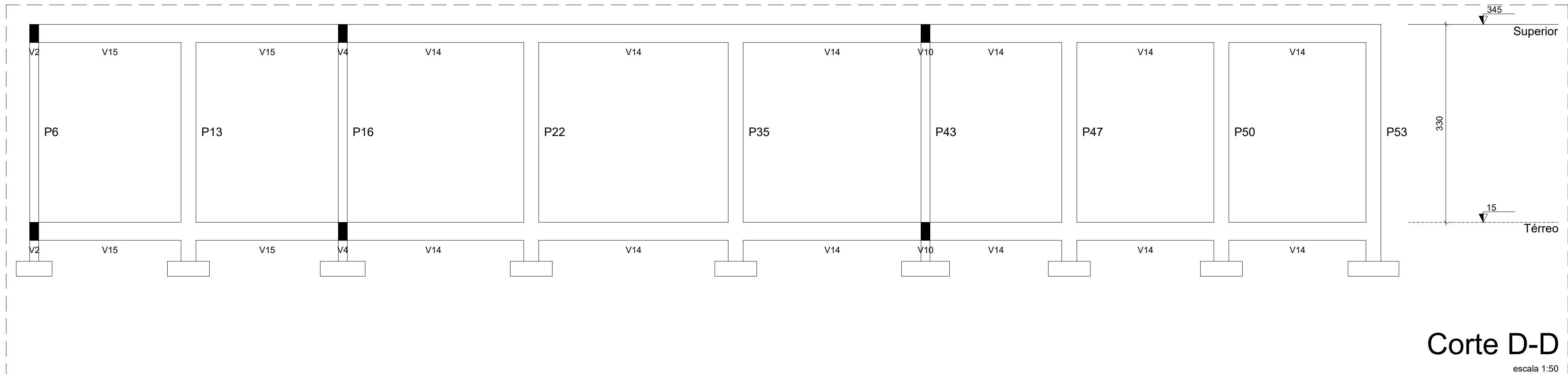
Corte B-B

escala 1:50



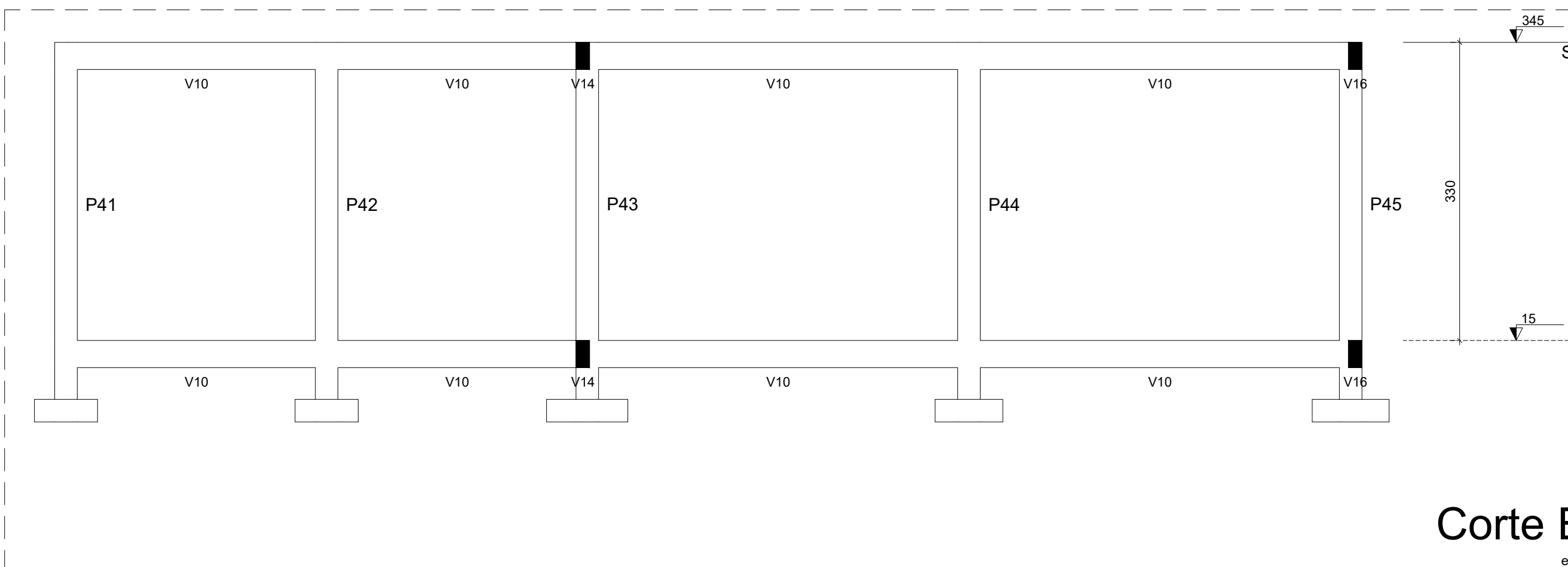
Corte C-C

escala 1:50



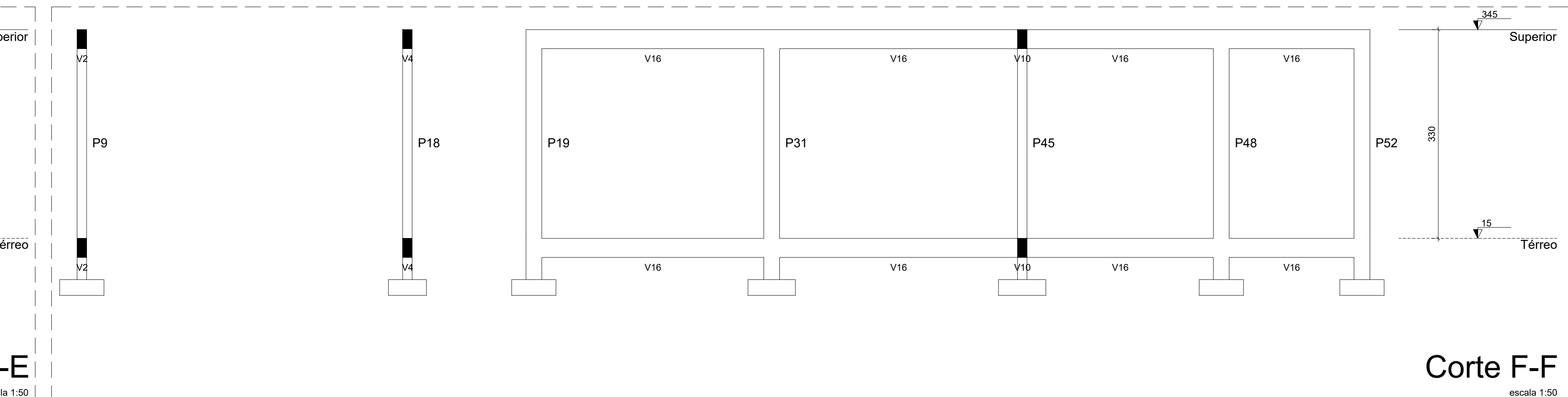
Corte D-D

escala 1:50



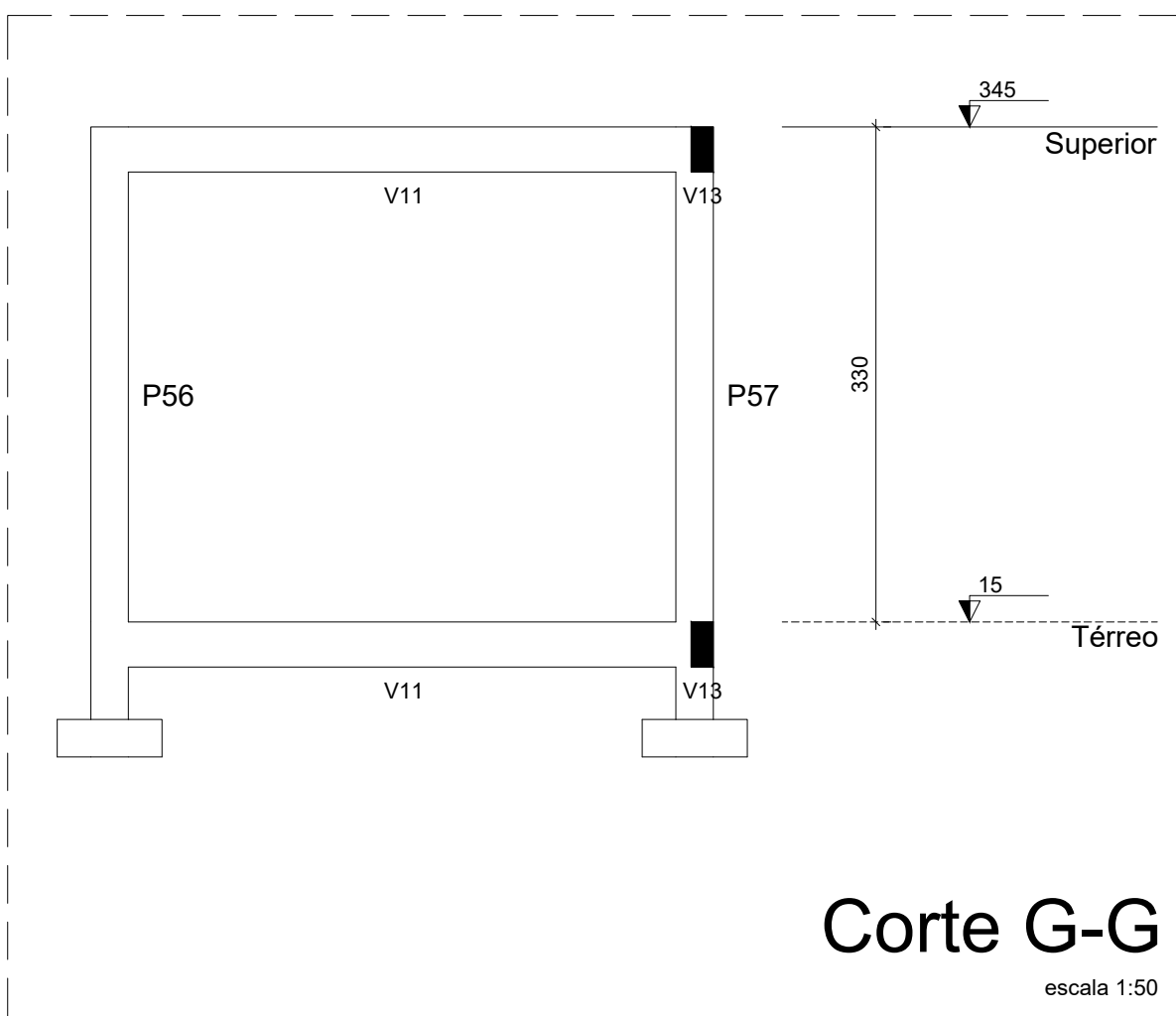
Corte E-E

escala 1:50



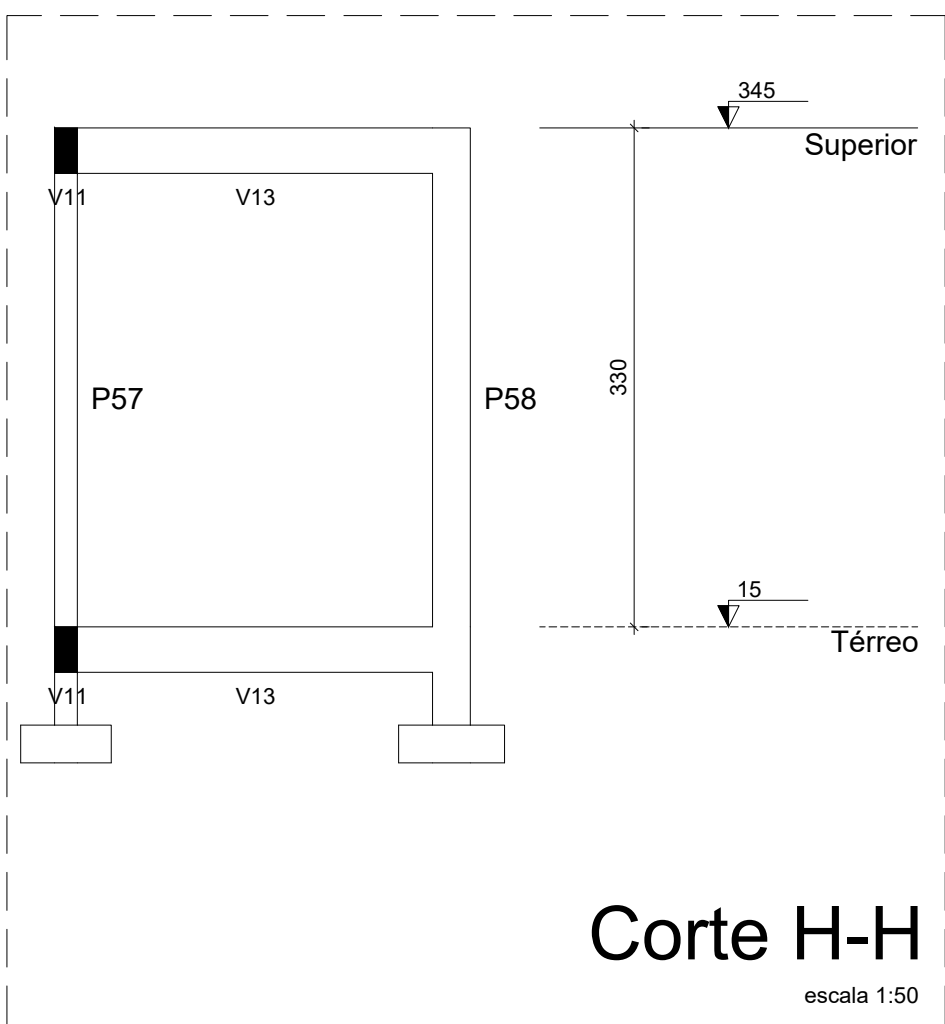
Corte F-F

escala 1:50



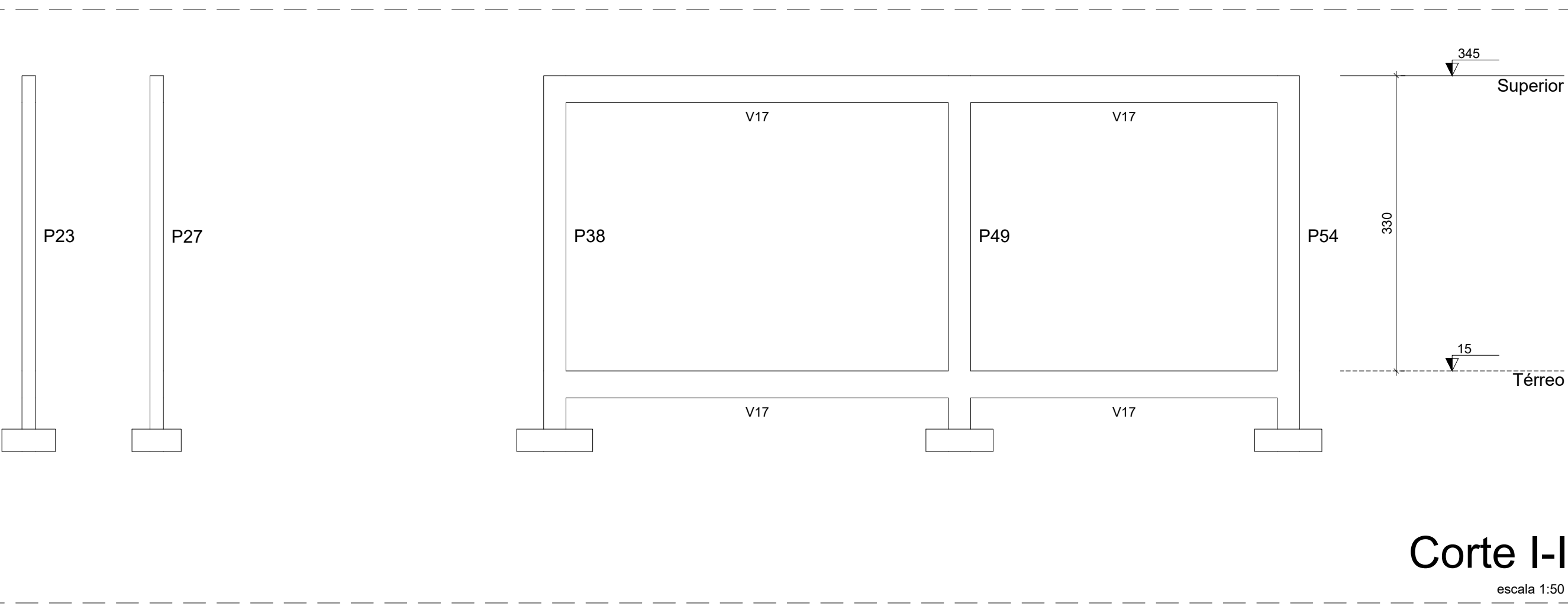
Corte G-G

escala 1:50



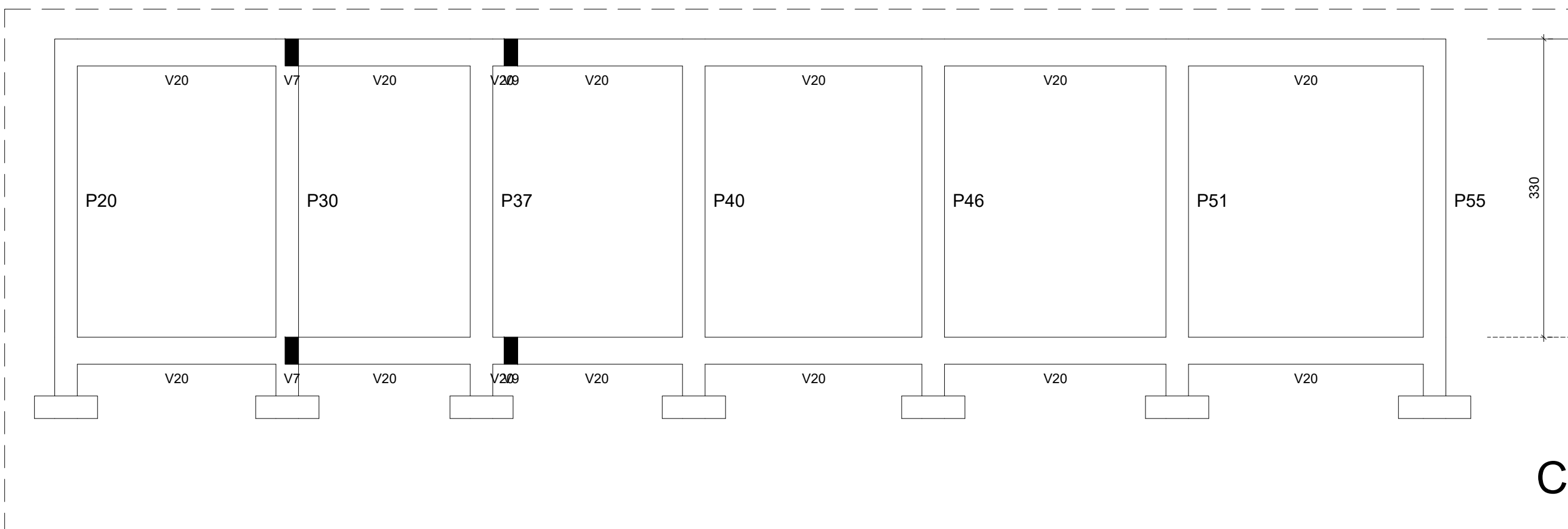
Corte H-H

escala 1:50



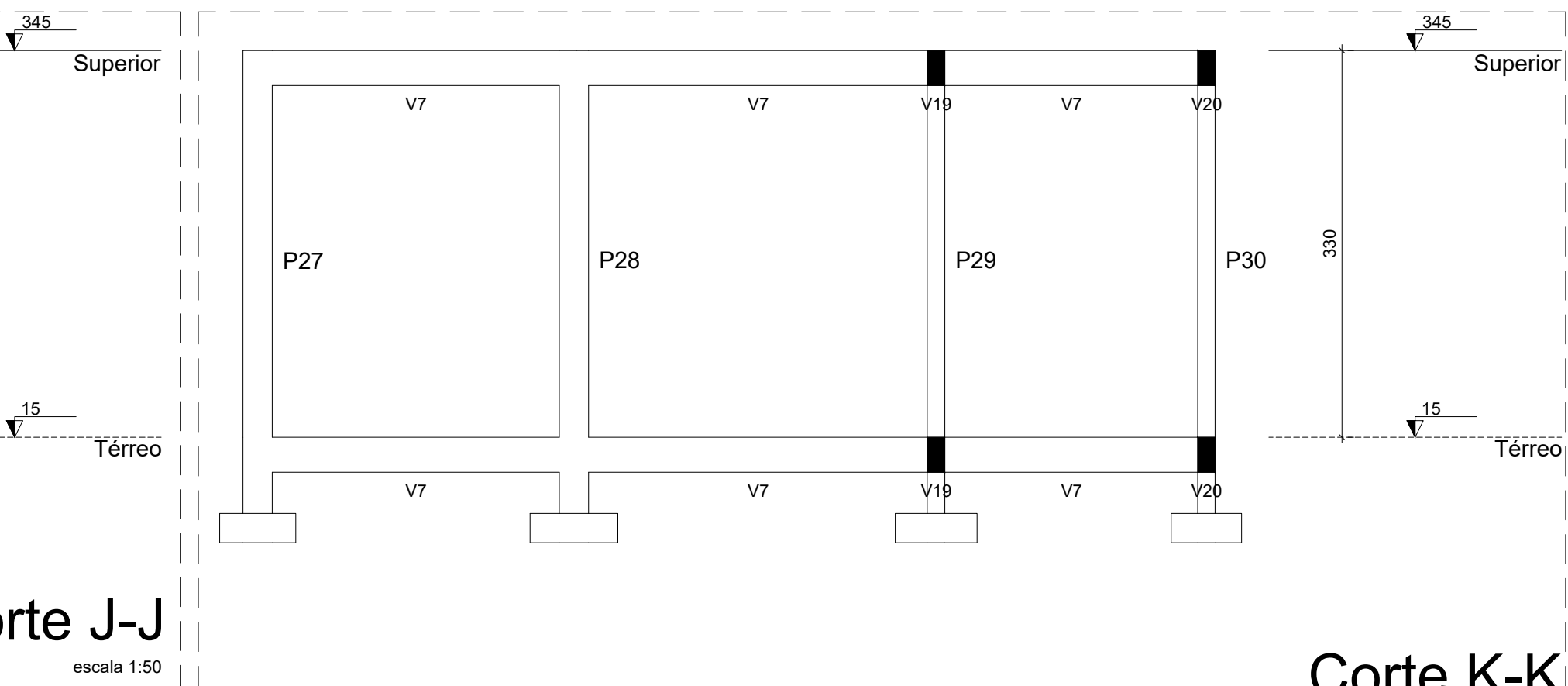
Corte I-I

escala 1:50



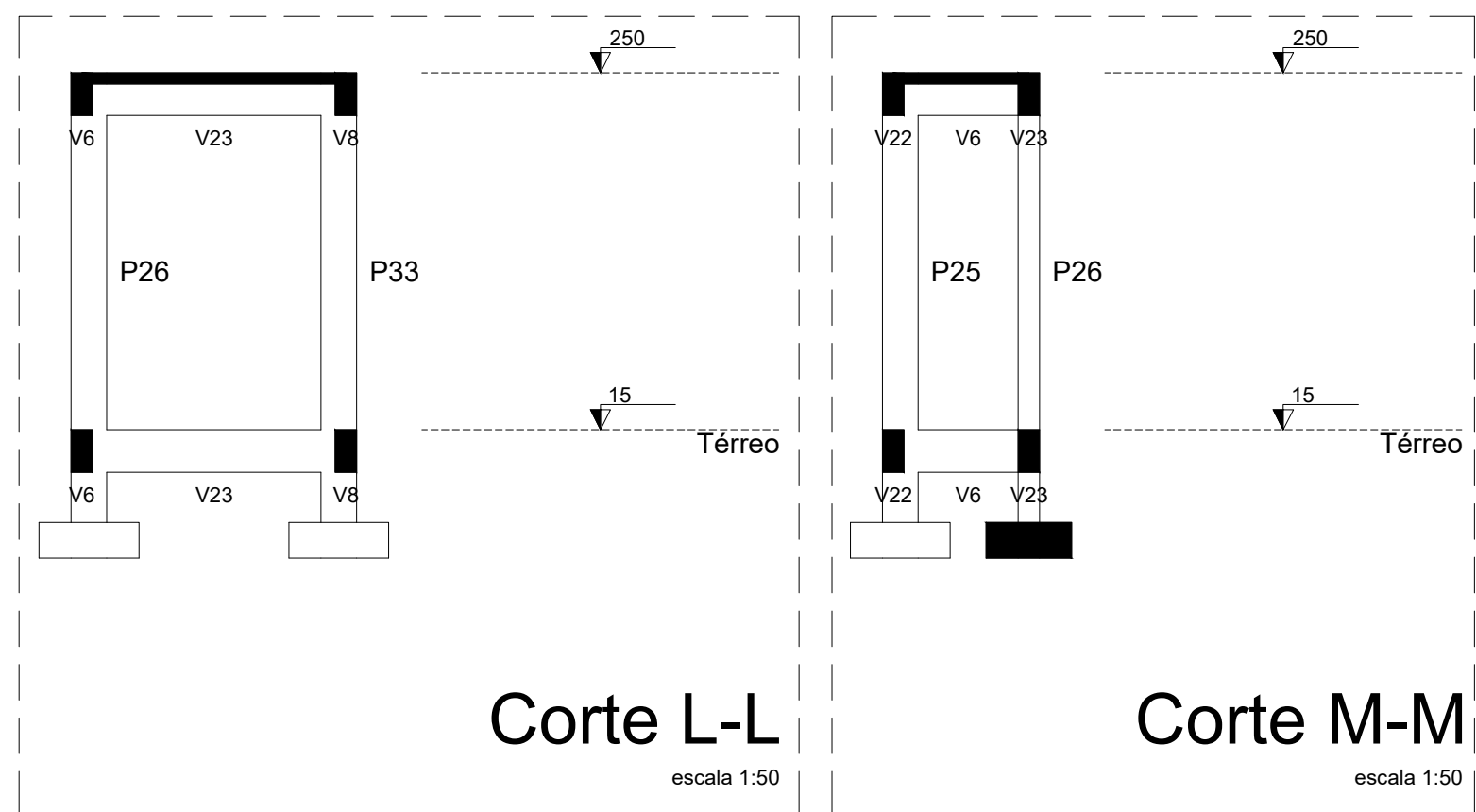
Corte J-J

escala 1:50



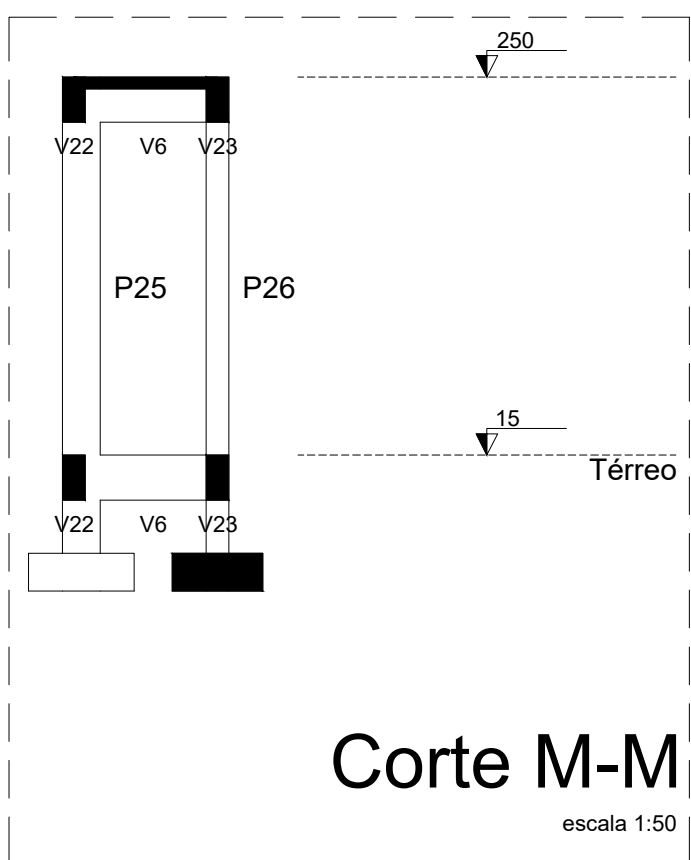
Corte K-K

escala 1:50



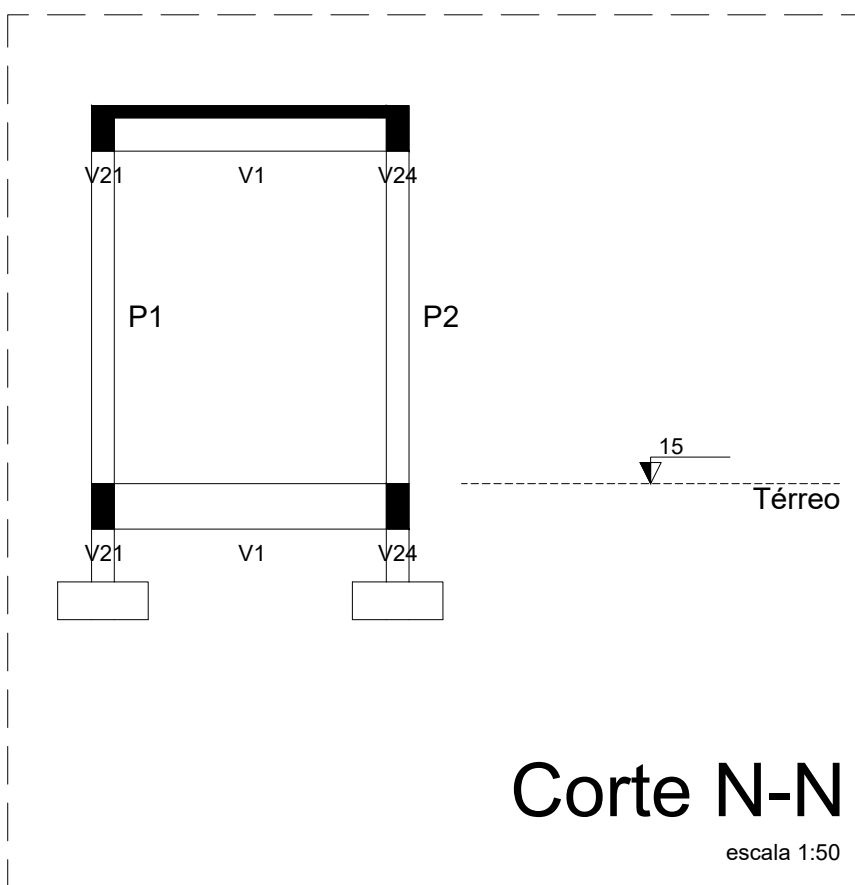
Corte L-L

escala 1:50



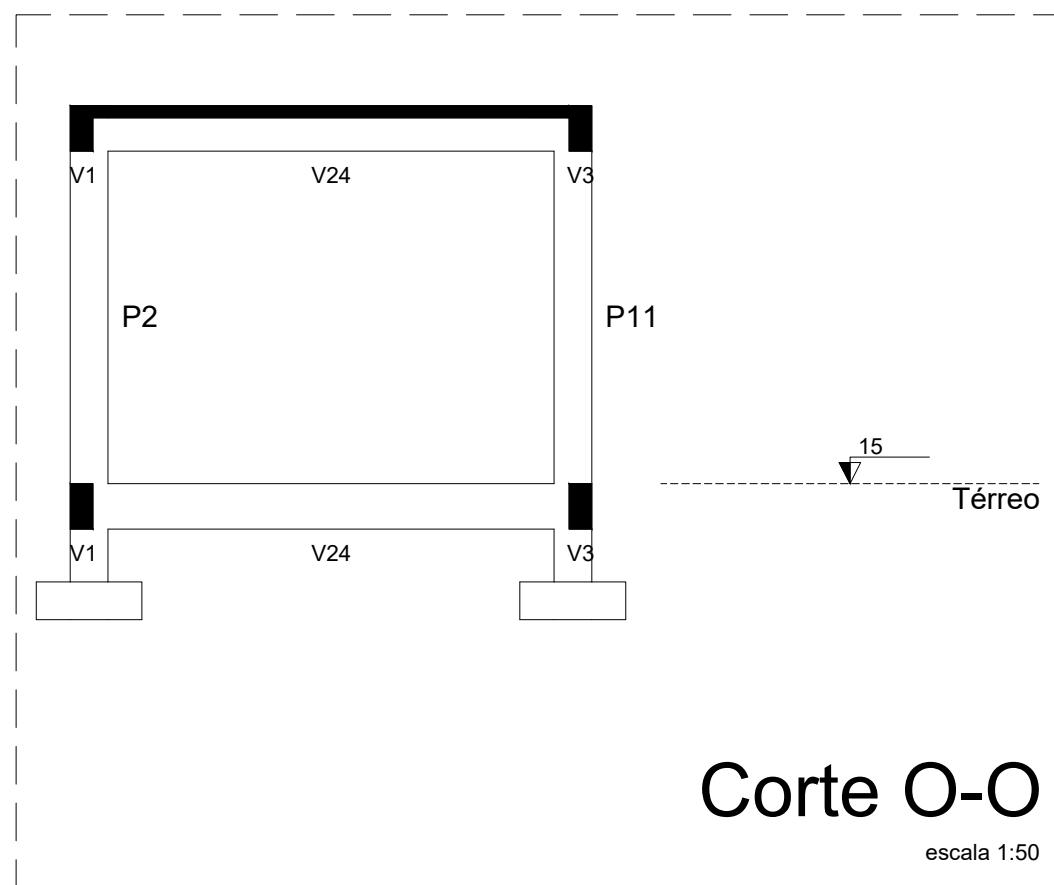
Corte M-M

escala 1:50



Corte N-N

escala 1:50



Corte O-O

escala 1:50



PROJETO:

PROJETO TIPO: PROJETO DE INFRAESTRUTURA EDUCACIONAL

PROPRIETÁRIO:
NOME DO PROPRIETÁRIO
CPF.:

AUTOR DO PROJETO:
PHABULLO HUDSON SOUSA ARAUJO
CREA - 1918962669

RESPONSÁVEL TÉCNICO:
ARQUITETO / ENGENHEIRO
CAU / CREA

APROVAÇÕES:

OBSERVAÇÕES:

COORDENAÇÃO:
FADEX - Fundação Cultural e de Fomento à Pesquisa, Ensino, Extensão e Inovação

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO:
GOVERNO DO PIAUÍ

ENDEREÇO:
ÁLVARO MENDES, N° 123
AMARANTE - PI
DESENHISTA:
PHABULLO HUDSON SOUSA ARAUJO

REVISÃO:

DATA:
06/06/21

ESCALA:
NO DESENHO

FORMATO:
A0 (841 x 1189)

CONTEÚDO:
CORTE AA, CORTE BB, CORTE CC, CORTE DD, CORTE EE, CORTE FF, CORTE GG, CORTE HH, CORTE II, CORTE JJ, CORTE KK, CORTE LL, CORTE MM, CORTE NN, CORTE OO.