

PILARES:

Fck = 25 MPa
Cobrimento = 3,0 cm (usar
espaçadores)

VIGAS:

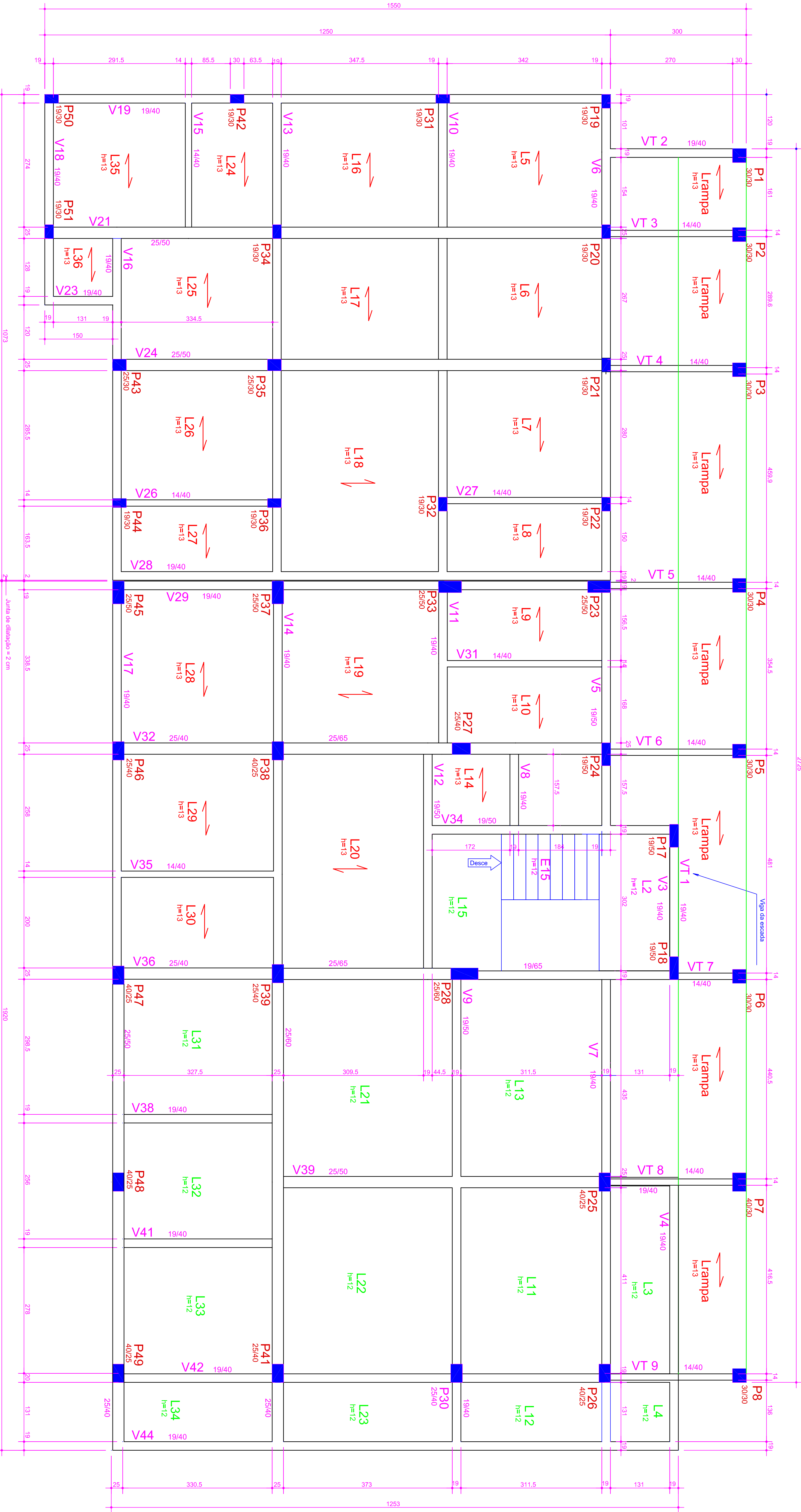
Fck = 25 MPa
Cobrimento = 3,0 cm (usar
espaçadores)

LAJES PRÉ MOLDADAS:

Vigotas treliçadas
Enchimento em EPS
unidirecional
Malha de aço Ø 4,2 mm
Capaprotetora de 5,0 cm

LAJES MACIÇAS:

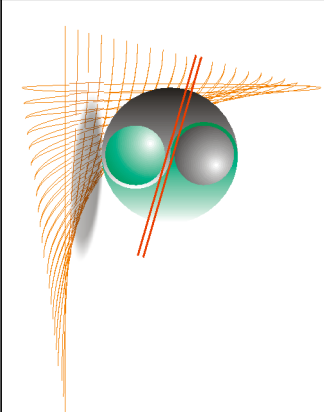
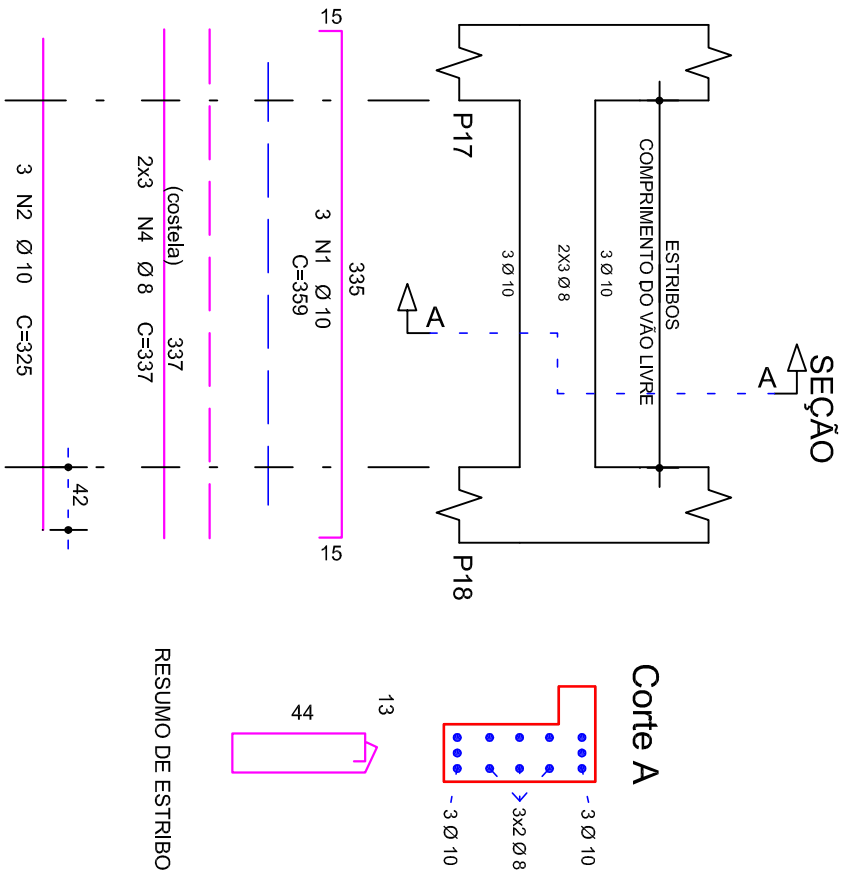
Fck = 25 MPa
Cobrimento = 3,0 cm (usar
espaçadores)



LAJES TRELIÇADAS

LAJES MACIÇAS

LEGENDA
NOME



CENTRAL DE PROJETOS
Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Portano Peixoto - 436, Centro - Ijuí / RS

Proprietário: Município de Ijuí Poder Executivo
Obra: Estabelecimento de Saúde da Família do Meio Rural
Local: Rua São Paulo - Centro - Ijuí-RS

SENTIDO DA LAJE

L31 LAJE MACIÇA
h=12

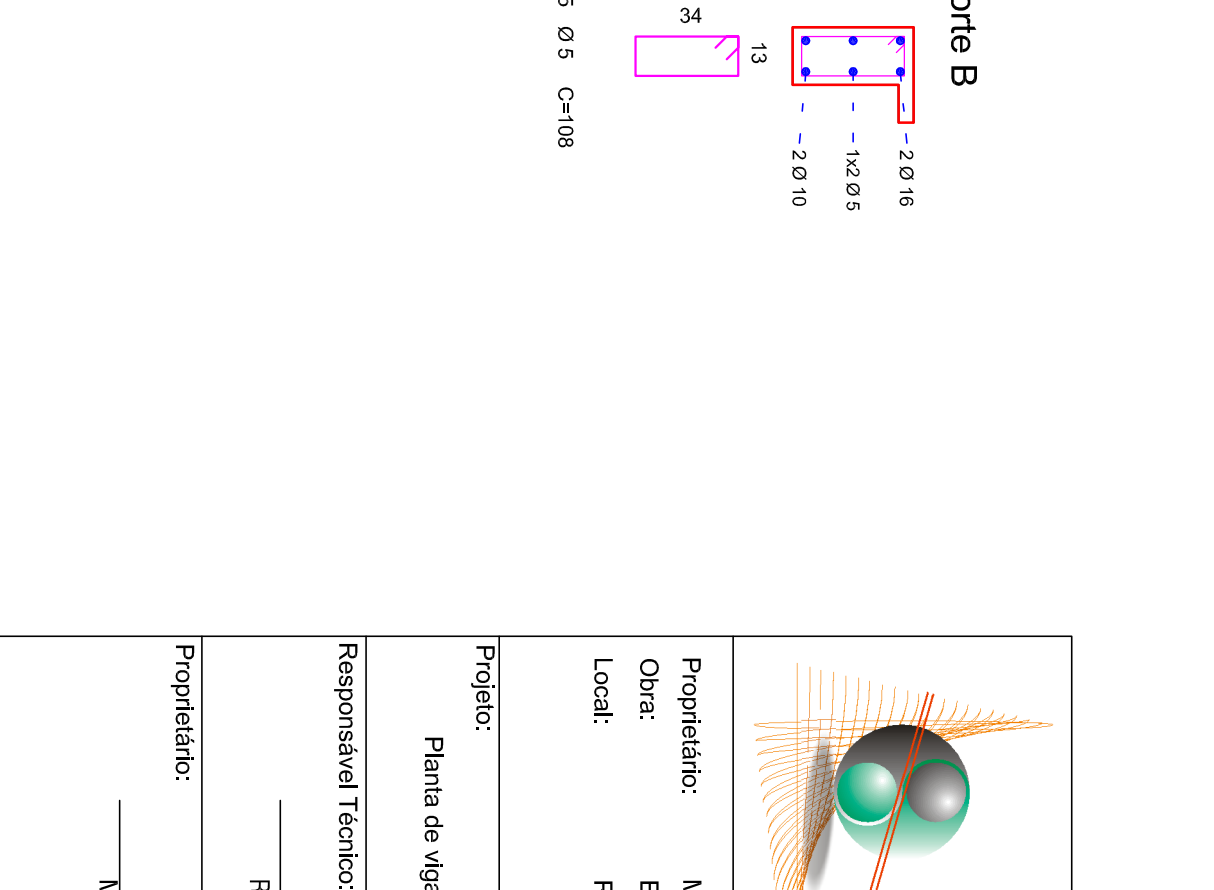
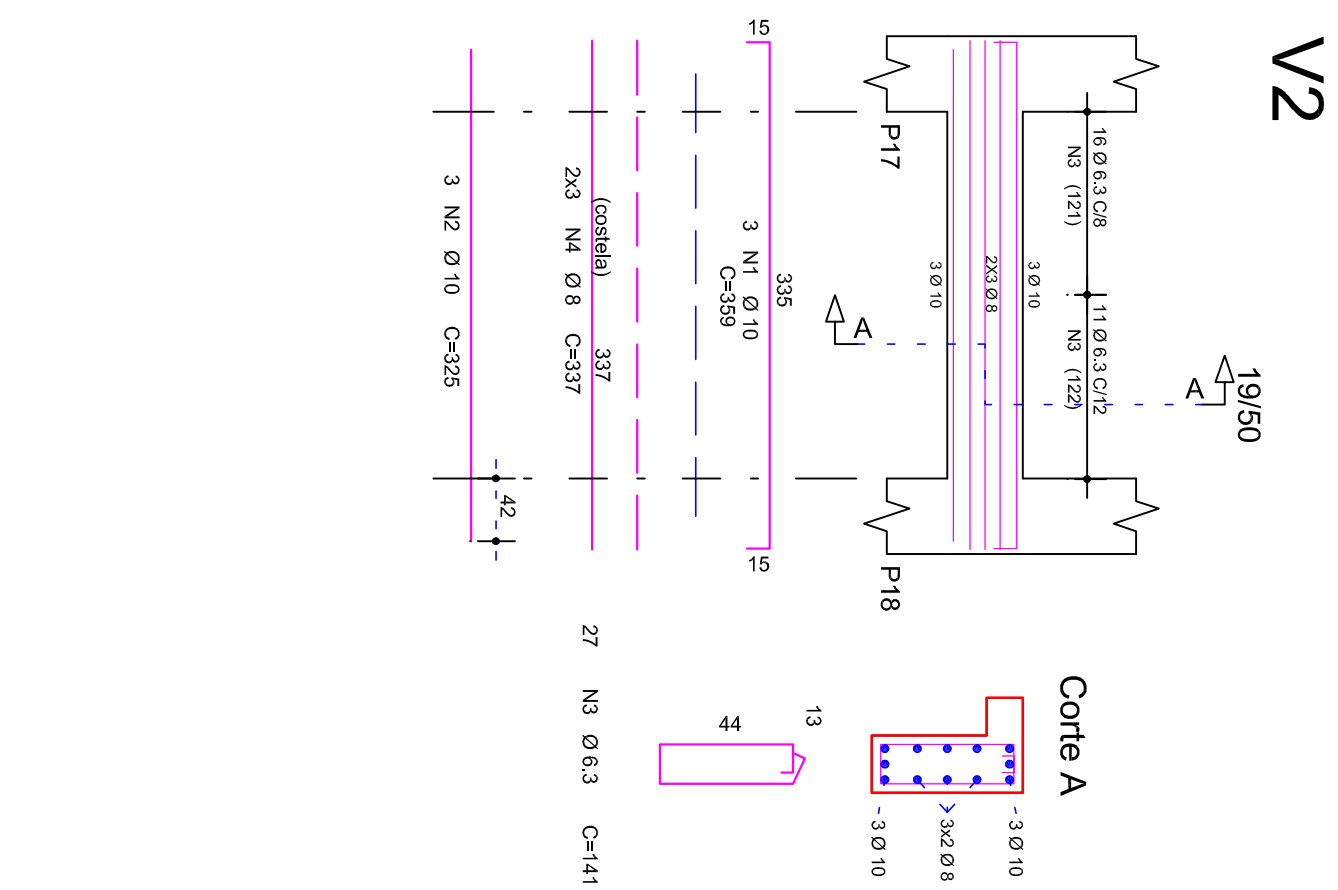
Projeto:	Planta de forma pav. térreo	Escala:	1:50	Data:	Agosto de 2013
Responsável Técnico:	ROQUE R OTTONELLI DALUMAS CREA-RS 187391				Gratificação:Roque Ottonelli

T 13

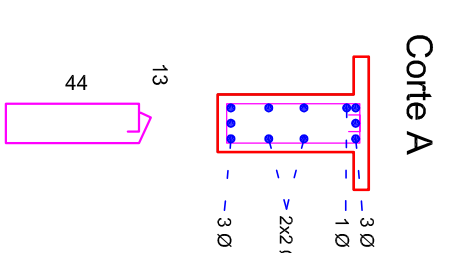
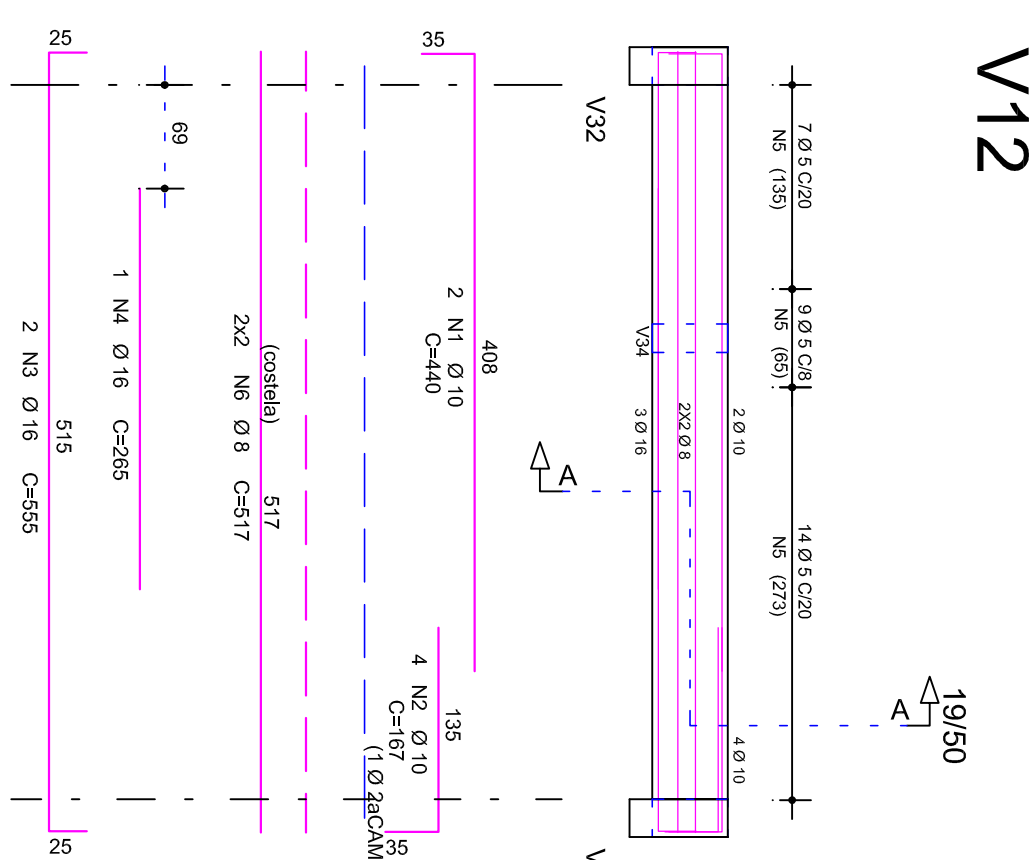
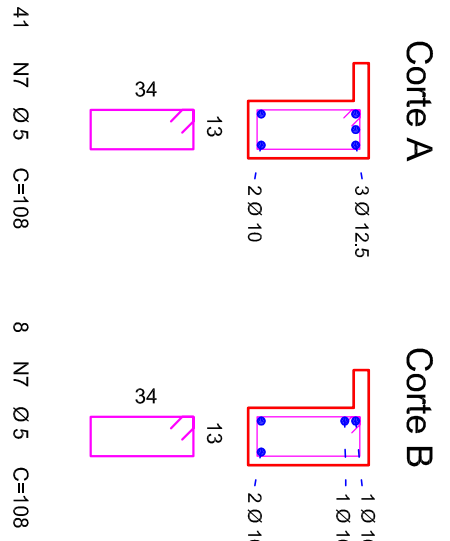
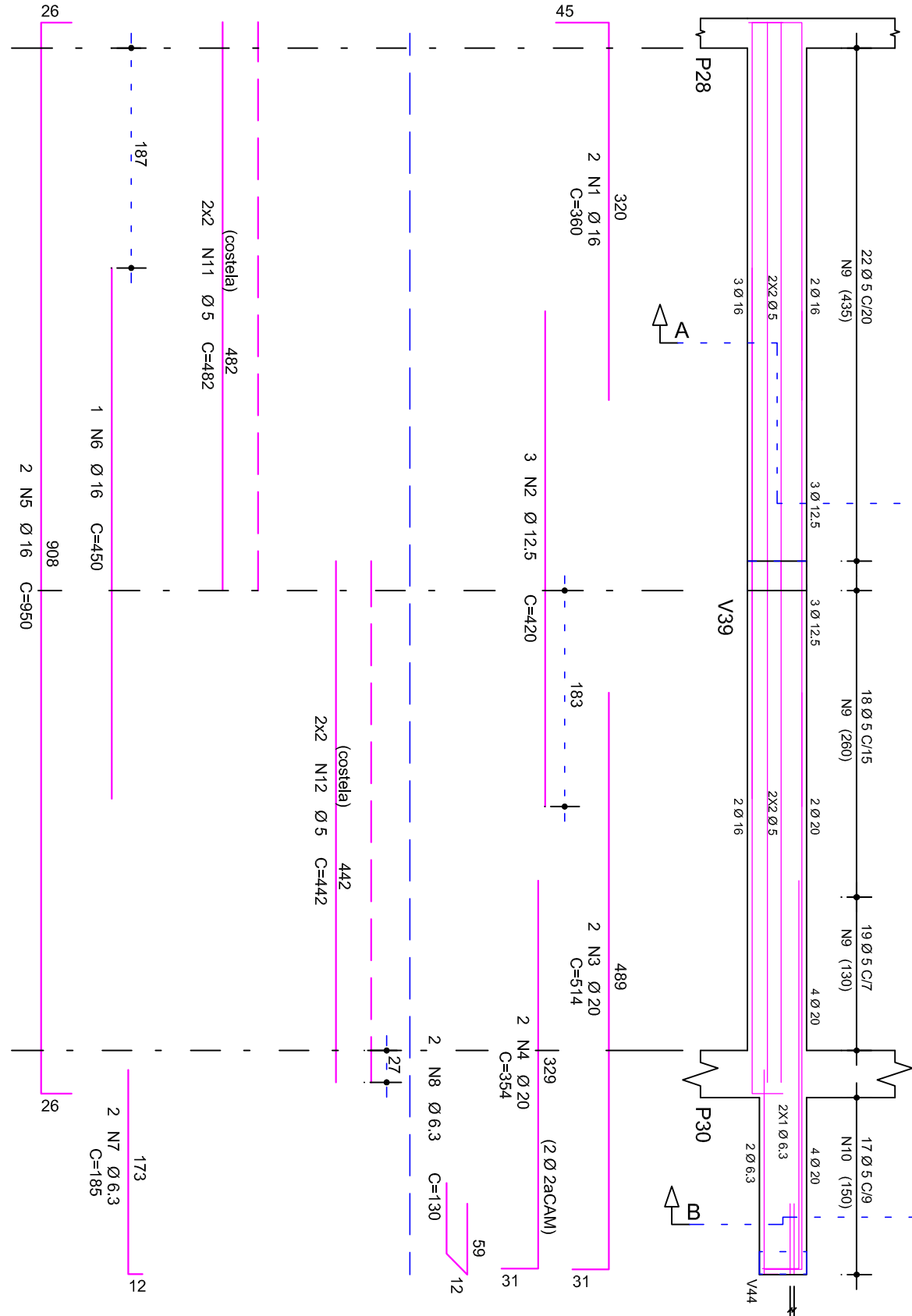
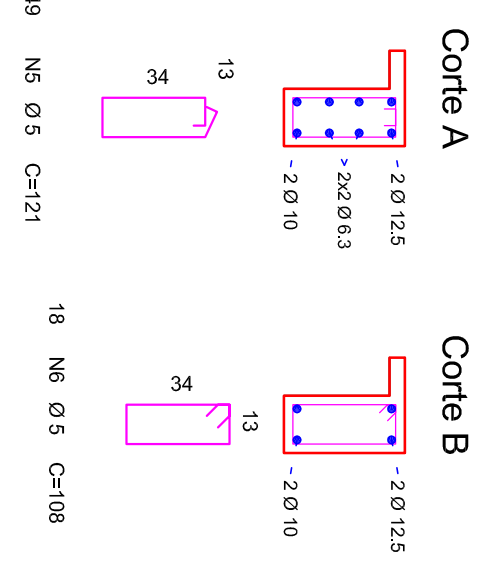
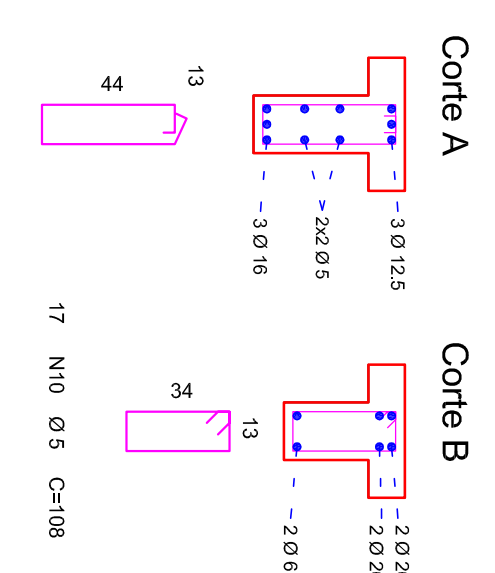
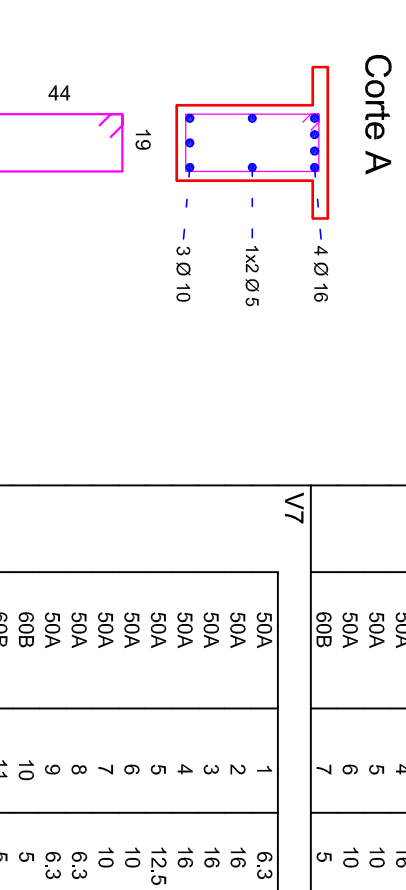
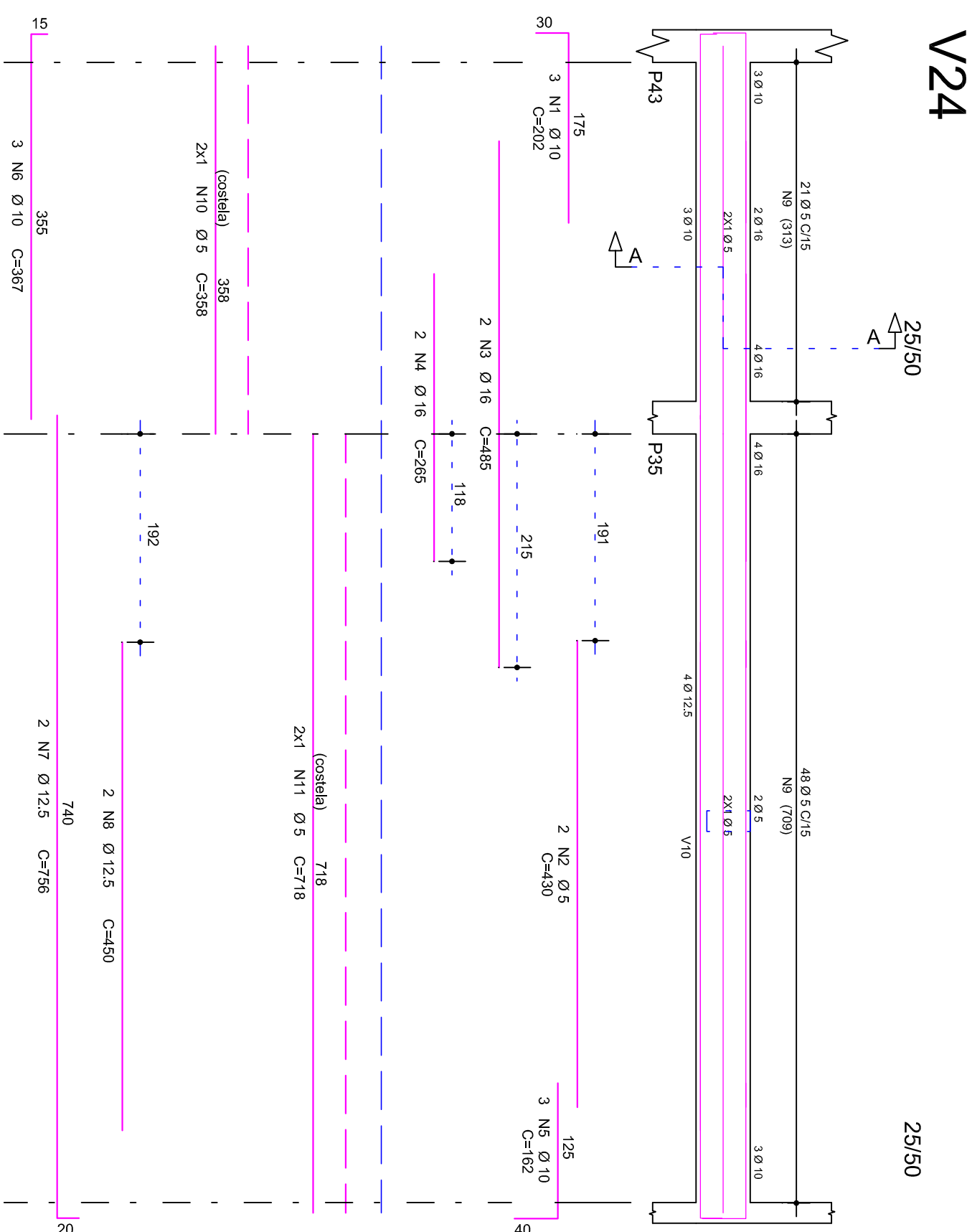
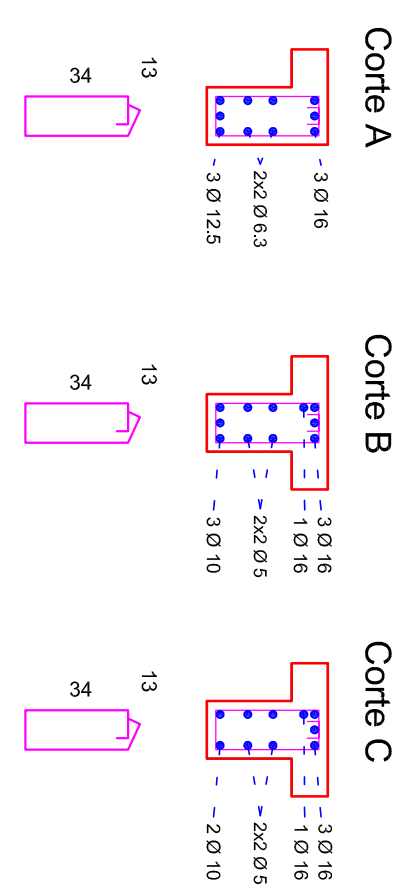
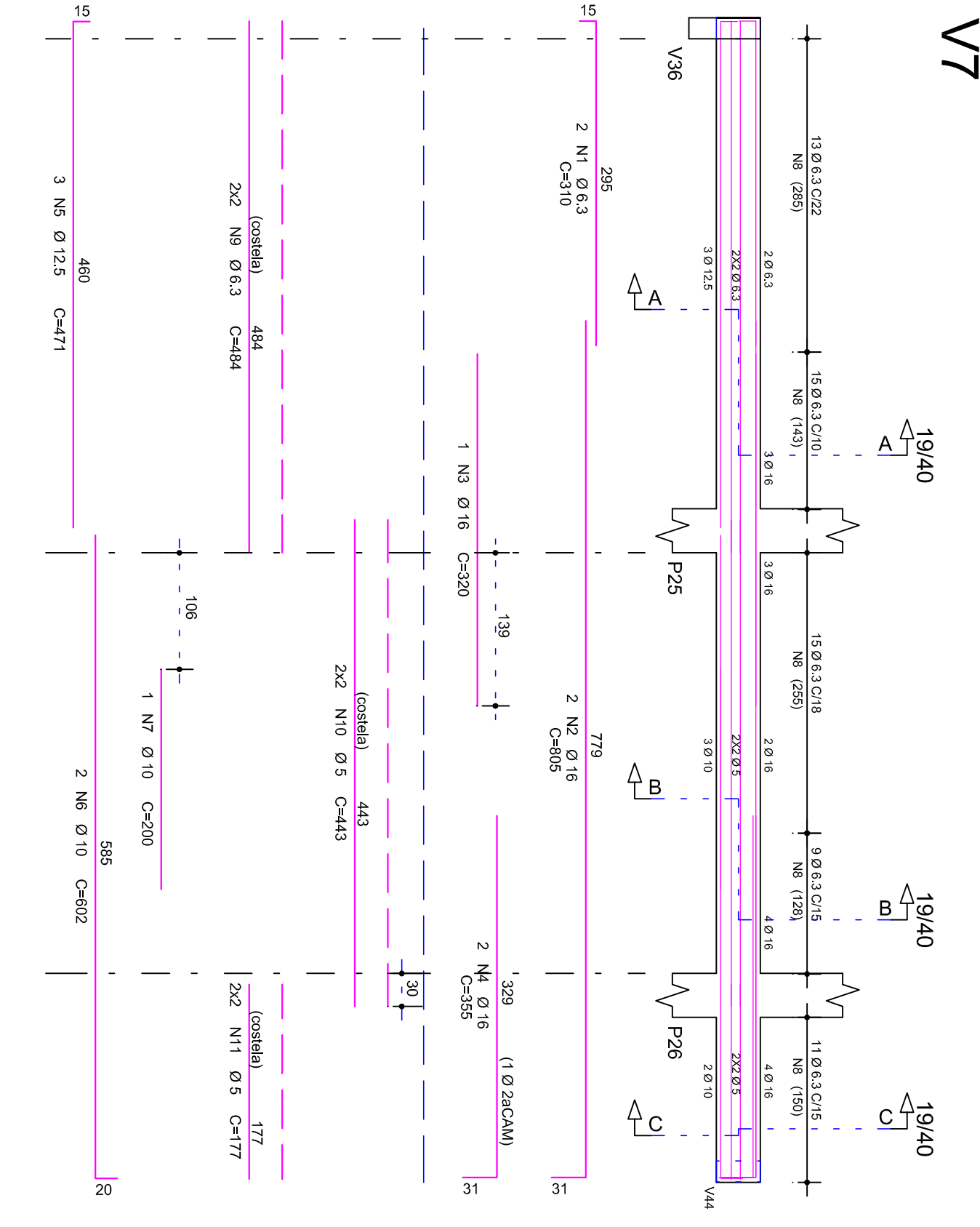
PRANCHA

Proprietário: Município de Ijuí Poder Executivo

01



RESUMIO ACO CA 50-60						
	ACO	BIT	COMPR	PESO		
	(mm)		(m)	(kg)		
	60B	5	223	36		
	50A	6,3	324	81		
	50A	6	47	6		
	50A	12,5	577	93		
	50A	12,5	149	149		
	50A	16	56	89		
	50A	20	39	98		
Peso Total	60B =			36 kg		
Peso Total	50A =			513 kg		



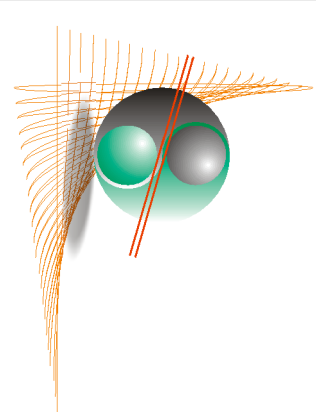
V6	AÇO		FOS	BIT (mm)	QUANT	COMPRIMENTO	
	UNIT	TOTAL				UNIT	TOTAL
50A	1	10	10	2	207	cm	414
50A	3	12.5	2	2	392	cm	1080
50A	5	10	2	2	512	cm	1024
50A	6	10	2	2	353	cm	706
50A	7	5	48	2	795	cm	1590
50B	1	10	2	2	108	cm	5292

50A	1	16	2	2	350	cm	720
50A	2	12.5	2	2	420	cm	1050
50A	3	20	2	2	514	cm	1028
50A	4	16	2	2	350	cm	1900
50A	5	16	1	1	450	cm	450
50A	6	6.3	2	2	185	cm	370
50A	7	6.3	2	2	185	cm	370
50A	8	6.3	2	2	185	cm	370
50B	9	5	550	4	141	cm	8319
50B	10	5	17	4	108	cm	1536
50B	11	5	4	4	482	cm	1828
50B	12	5	4	4	482	cm	1828

50A	1	10	2	2	440	cm	880
50A	2	10	4	4	187	cm	688
50A	3	16	1	1	555	cm	1110
50A	4	16	2	2	265	cm	265
50A	5	8	20	2	517	cm	2068

50A	1	10	3	3	202	cm	606
50A	2	5	2	2	430	cm	860
50A	3	16	2	2	265	cm	530
50A	4	10	3	3	162	cm	486
50A	5	5	48	4	121	cm	5828
50A	6	10	2	2	367	cm	1101
50A	7	12.5	2	2	768	cm	1512
50A	8	7	2	2	140	cm	9600
50B	9	5	69	2	358	cm	716
50B	10	5	2	2	718	cm	1436

RESUMO AÇO CA 50-60						PESO (kg)
AÇO	BIT (mm)	COMPR	QUANT	UNIT	TOTAL	
60B	5	478	2	2	31	kg
50A	6.3	123	3	3	31	kg
50A	10	100	2	2	63	kg
50A	12.5	99	2	2	99	kg
50A	16	95	2	2	151	kg
50A	20	17	2	2	43	kg
PESO TOTAL						768 kg
PESO TOTAL						396 kg



CENTRAL DE PROJETOS

Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Riohato Pêixoto - 436, Centro - Ilhú / RS

Proprietário: Município de Ilhú Poder Executivo
Obra: Estabelecimento de Saúde da Família do Meio Rural
Local: Rua São Paulo - Centro - Ilhú-RS

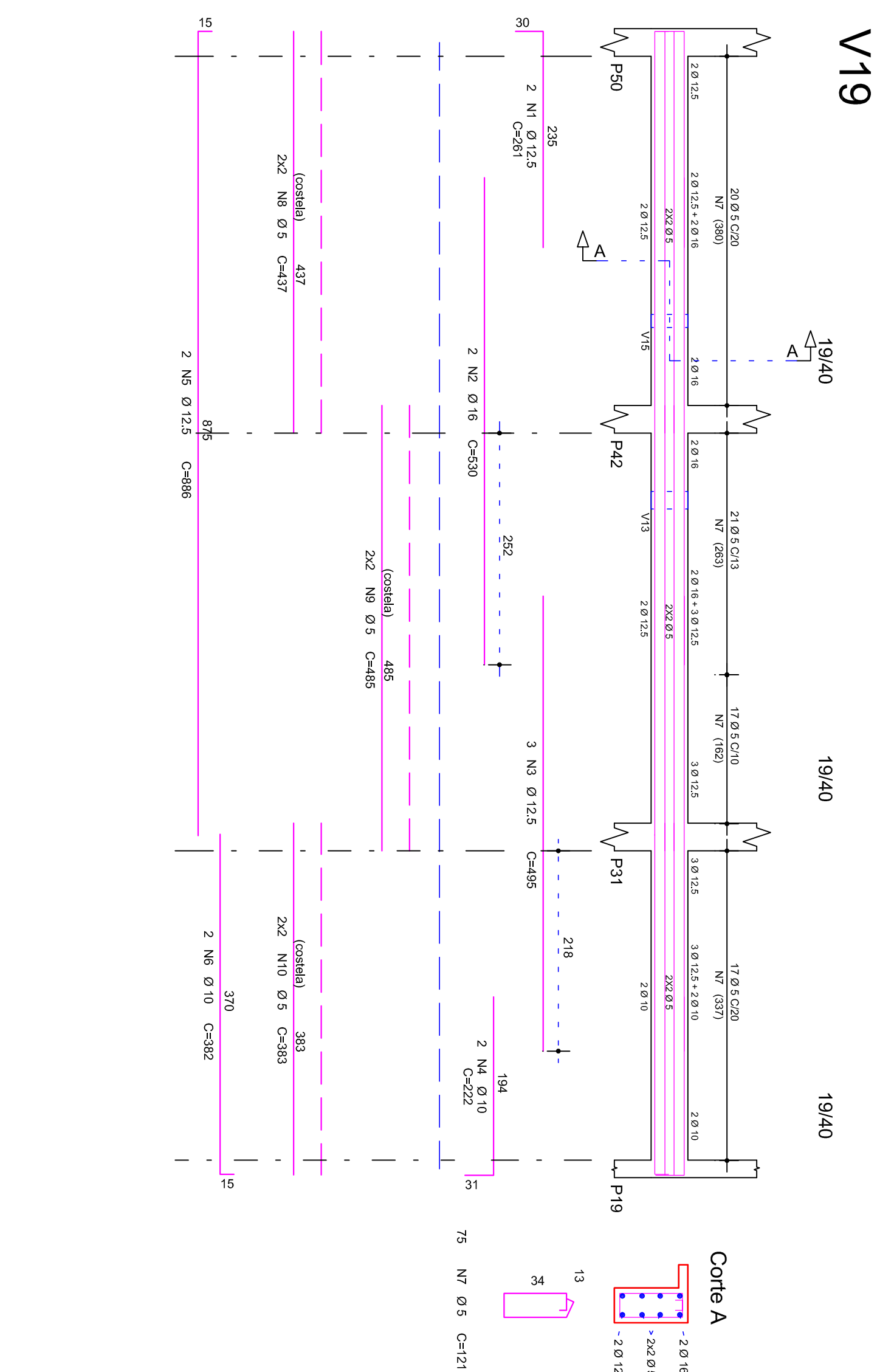
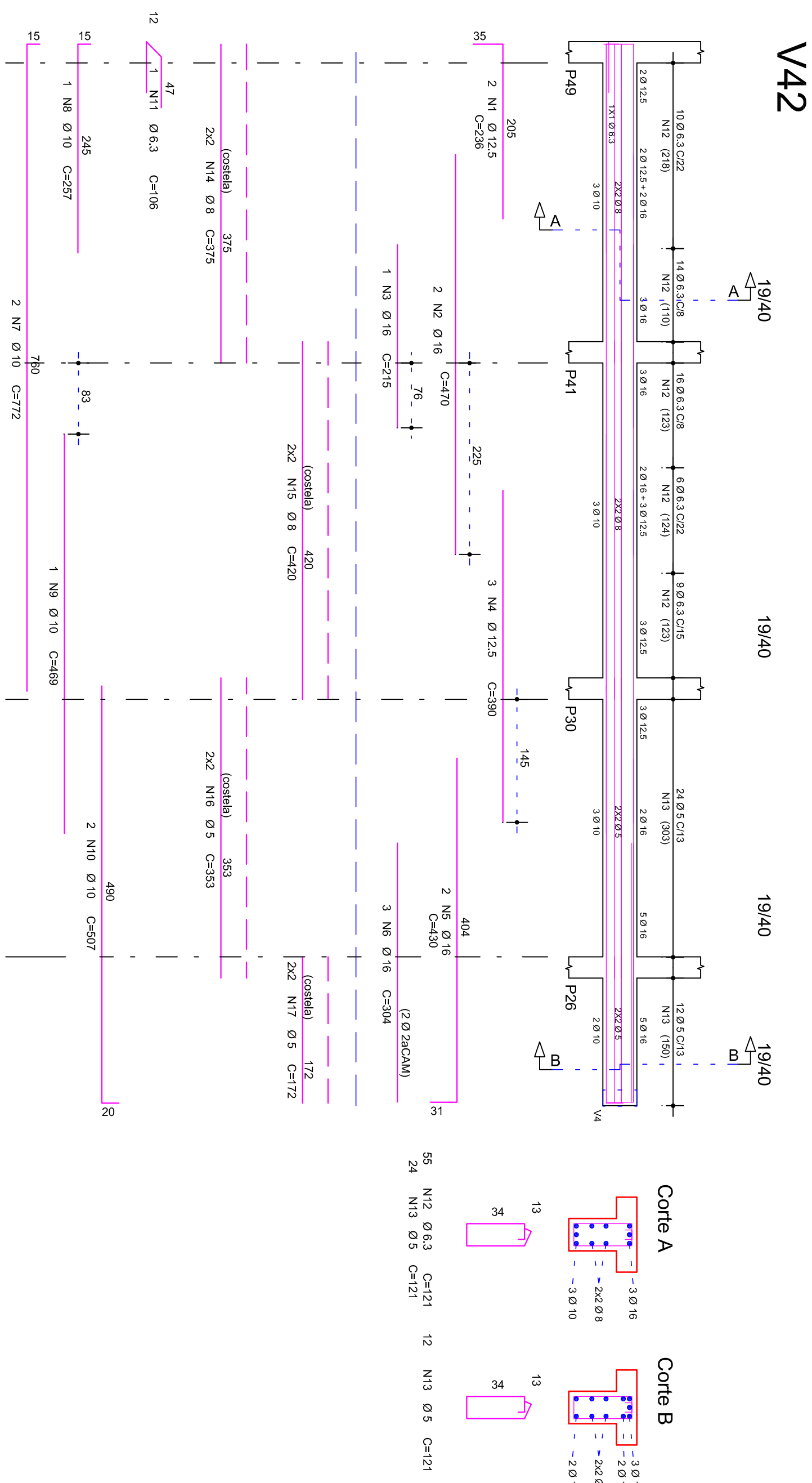
Projeto:	Planta de forma pav. térreo detalhamento de vigas	Escala:	1:50	Data:	Agosto de 2013
Responsável Técnico:	Graficação:Rogue Ottonelli				

Proprietário: RÔQUE OTTONELLI DALUMS
CREA-RS 18791

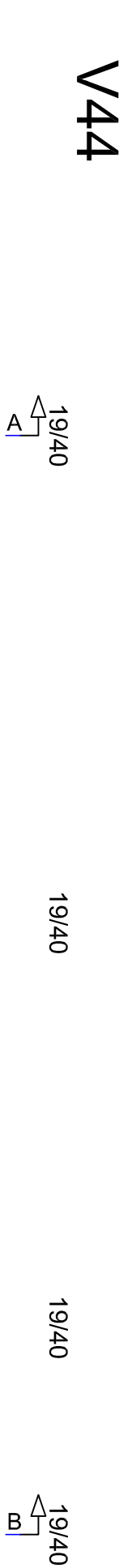
Proprietário: Município de Ilhú Poder Executivo

T 13
PRANCHA

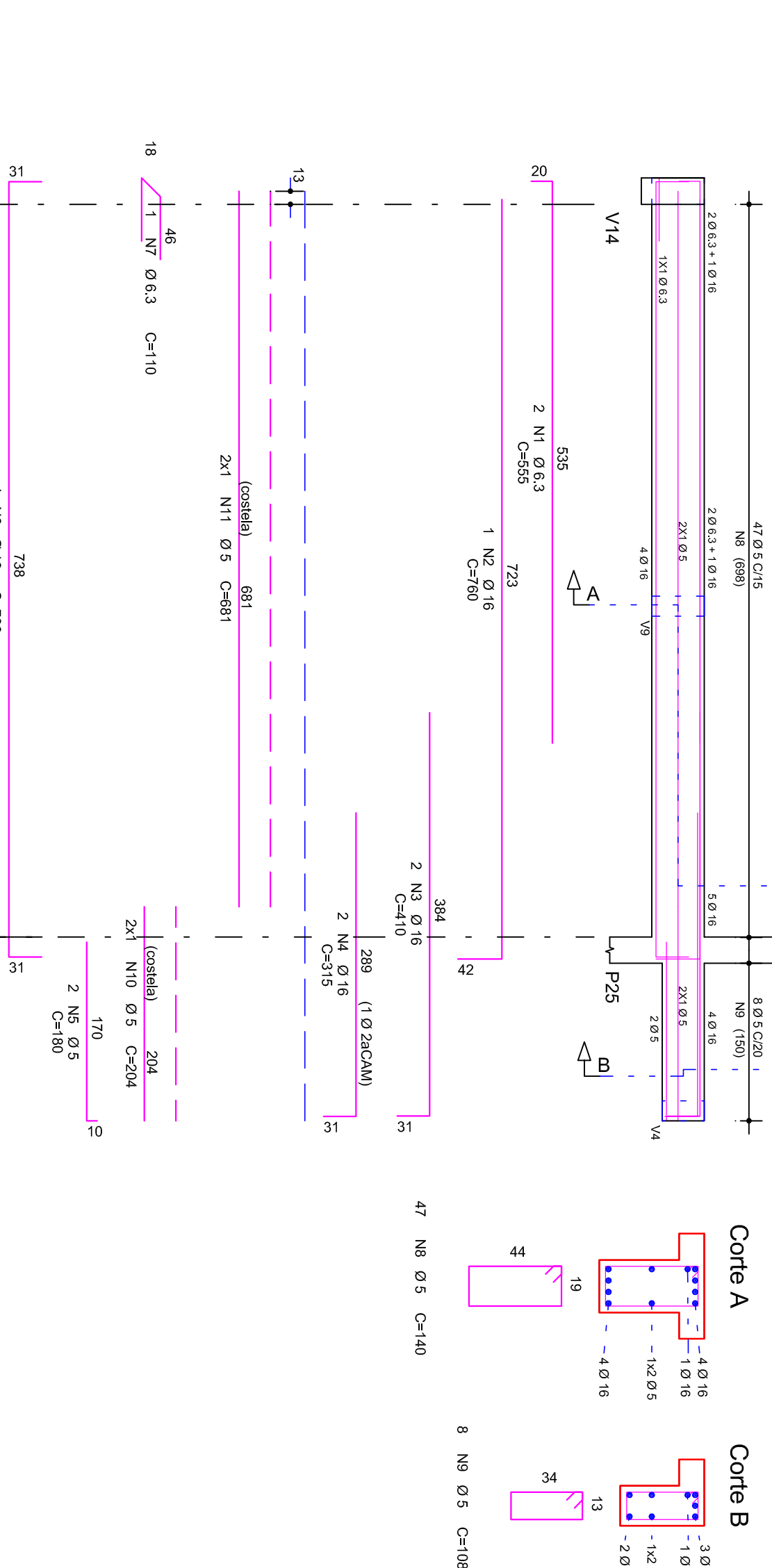
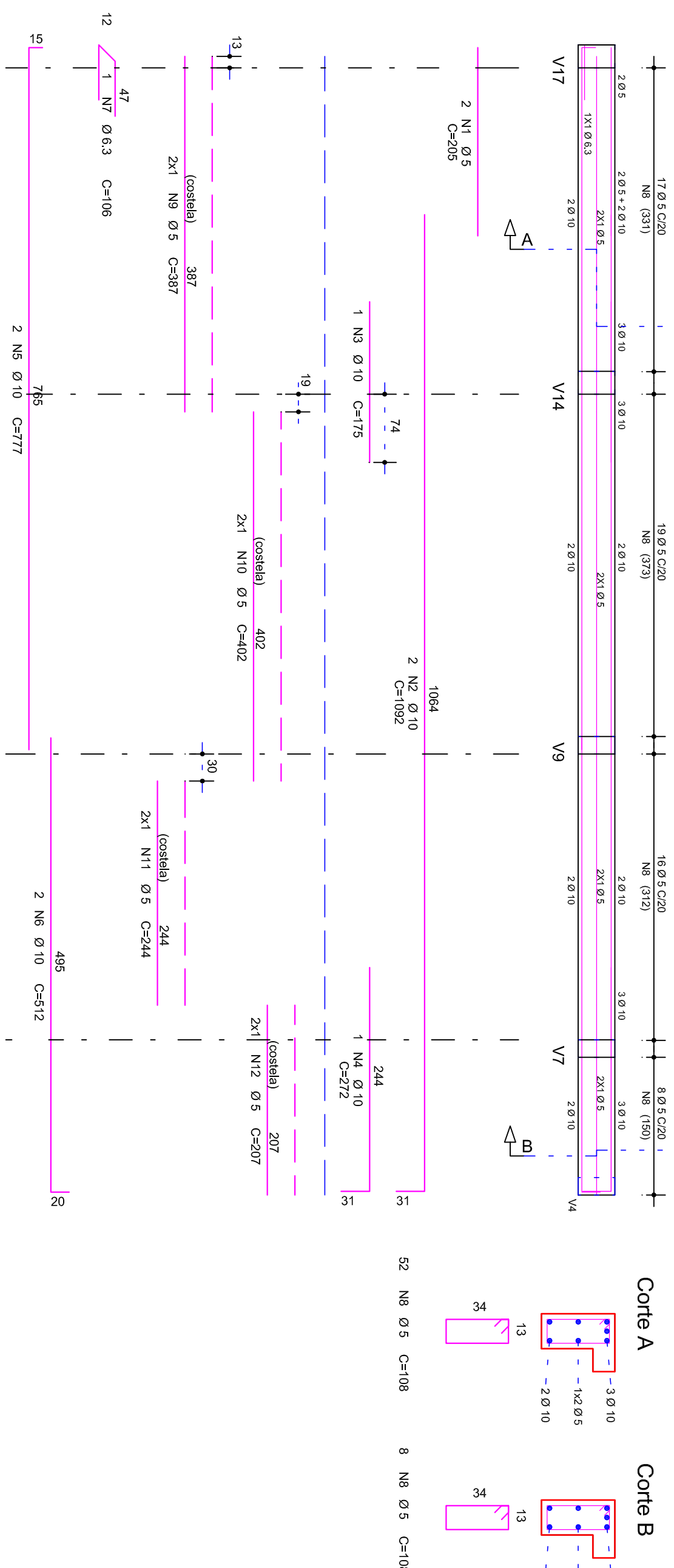
03



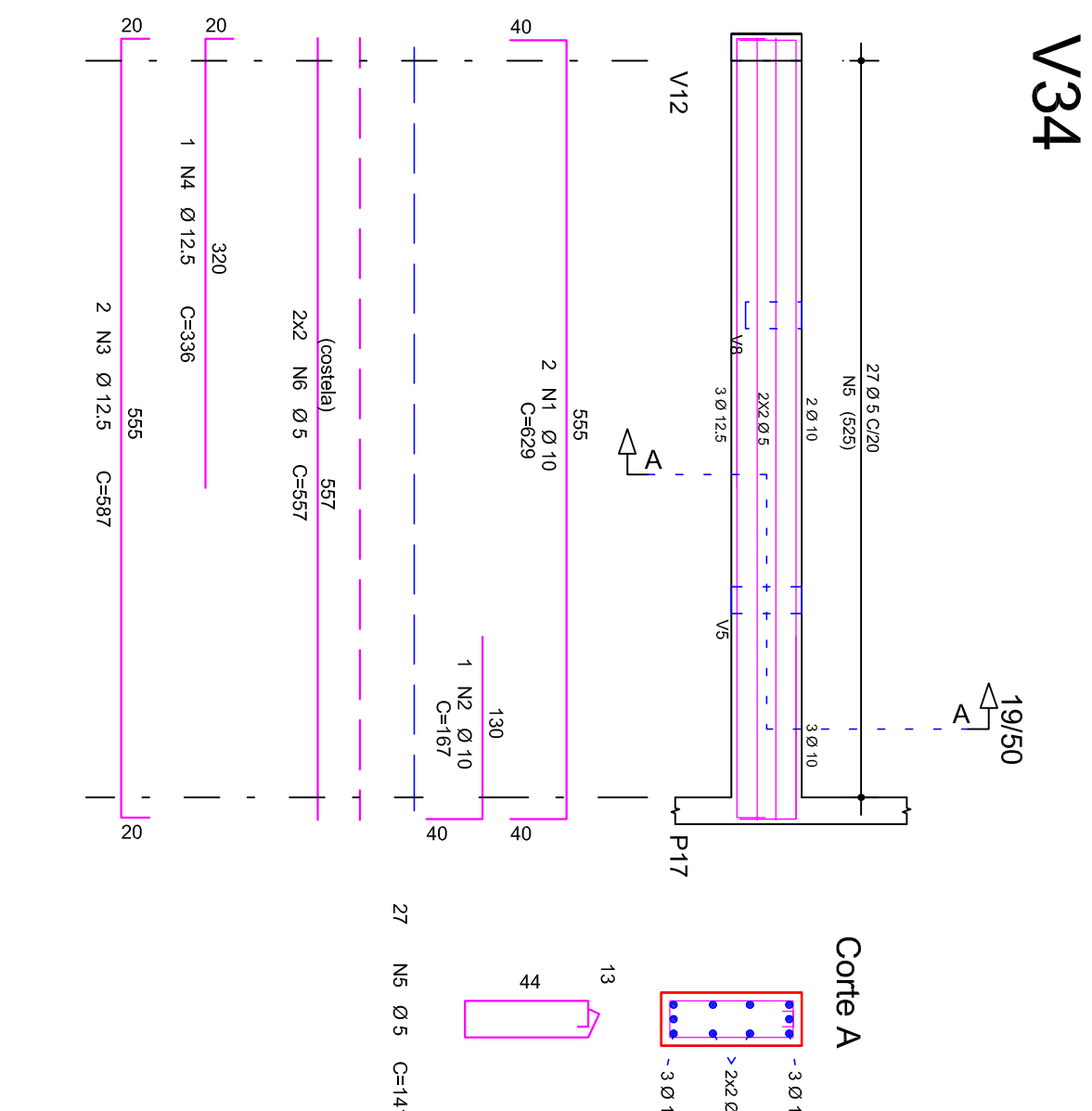
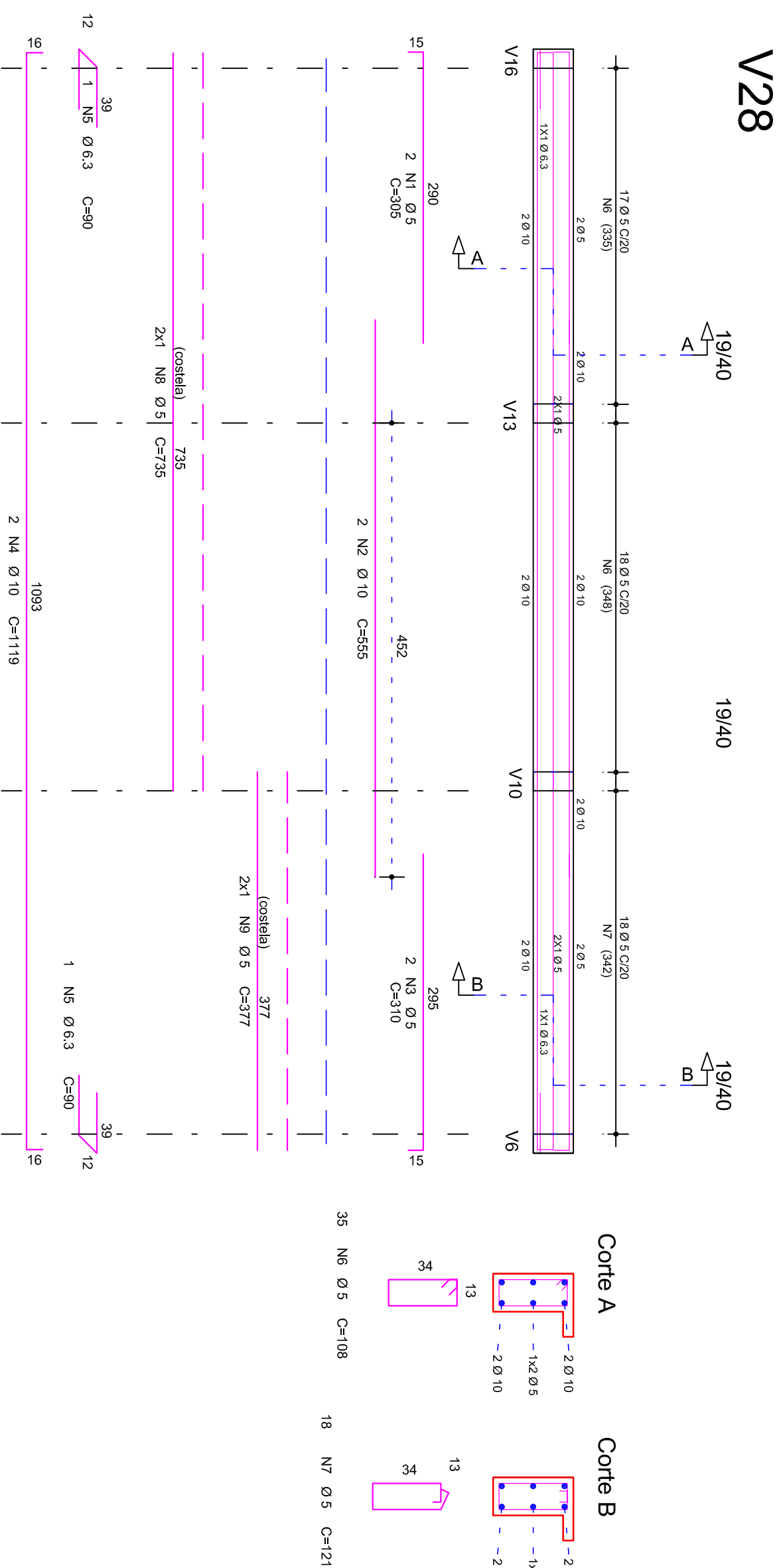
AÇO	POS	BIT (mm)	QUANT	COMPONENTE	
				UNIT	TOTAL
			(cm)	(cm)	
V19					
50A	1	12,5	2	261	522
50A	2	16	2	530	1060
50A	3	19	2	622	1244
50A	4	10,5	2	222	444
50A	5	12,5	2	886	1772
50A	6	10	2	362	764
50A	7	10	2	362	764
50A	8	7,5	2	121	242
50A	9	4	4	1075	2150
50A	9	5	4	465	930
50A	10	5	4	465	930
50A	10	5	4	363	726
V28					
60B	1	5	2	305	610
60B	2	10	2	610	1220
60B	3	10	2	310	620
60B	4	10	2	1118	2236
60B	5	6,3	2	90	180
60B	6	10	2	310	620
60B	7	5	38	178	356
60B	8	5	18	121	242
60B	9	5	2	735	1470
60B	9	5	2	377	754



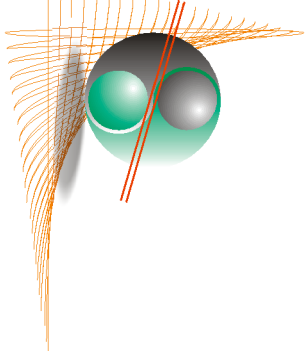
50A	1	12.5	2	236	472
50A	2	16	2	470	940
50A	3	16	1	215	215
50A	4	12.5	3	360	1170
50A	5	16	2	330	660
50A	6	16	3	304	912
50A	7	10	2	772	1544
50A	8	10	1	257	257
50A	9	10	2	669	469
50A	10	10	1	106	106
50A	11	6.3	1	106	106
50A	12	6.3	5	121	685
50A	13	5	36	121	4356
50B	14	8	4	375	1500
50B	15	8	4	375	1500
50B	16	5	4	353	1412
50B	17	5	4	172	688



V44					
60B	1	5	2	205	410
50A	2	10	1	1082	2184
50A	3	10	1	175	175
50A	4	10	2	272	272
50A	5	10	2	512	1024
50A	6	10	2	1088	2176
60B	7	6.3	1	118	118
60B	8	60	60	108	6400
60B	9	5	2	387	774
60B	10	5	2	402	804
60B	11	5	2	244	488
60B	12	5	2	207	414



RESUMO AÇO CA 50-60			
AÇO	BIT	COMPR	PESO
	(mm)	(m)	(kg)
60B	5	551	88
50A	6,3	83	21
50A	10	146	31
50A	12,5	69	69
50A	16	94	150
Peso Total	60B =		88 kg
	50A =		341 kg



CENTRAL DE PROJETOS

Projetos Visuais / Interiores / Paisagismo

Rua Floriano Peixoto - 436, Centro - Ijuí / RS

Proprietário:	Município de Ijuí Poder Executivo
Obra:	Estabelecimento de Saúde da Família do Meio Rural
Local:	Rua São Paulo - Centro - Ijuí-RS

Local: Rua São Paulo - Centro - Ijuí-RS

Local: Rua São Paulo - Centro - Ijuí-RS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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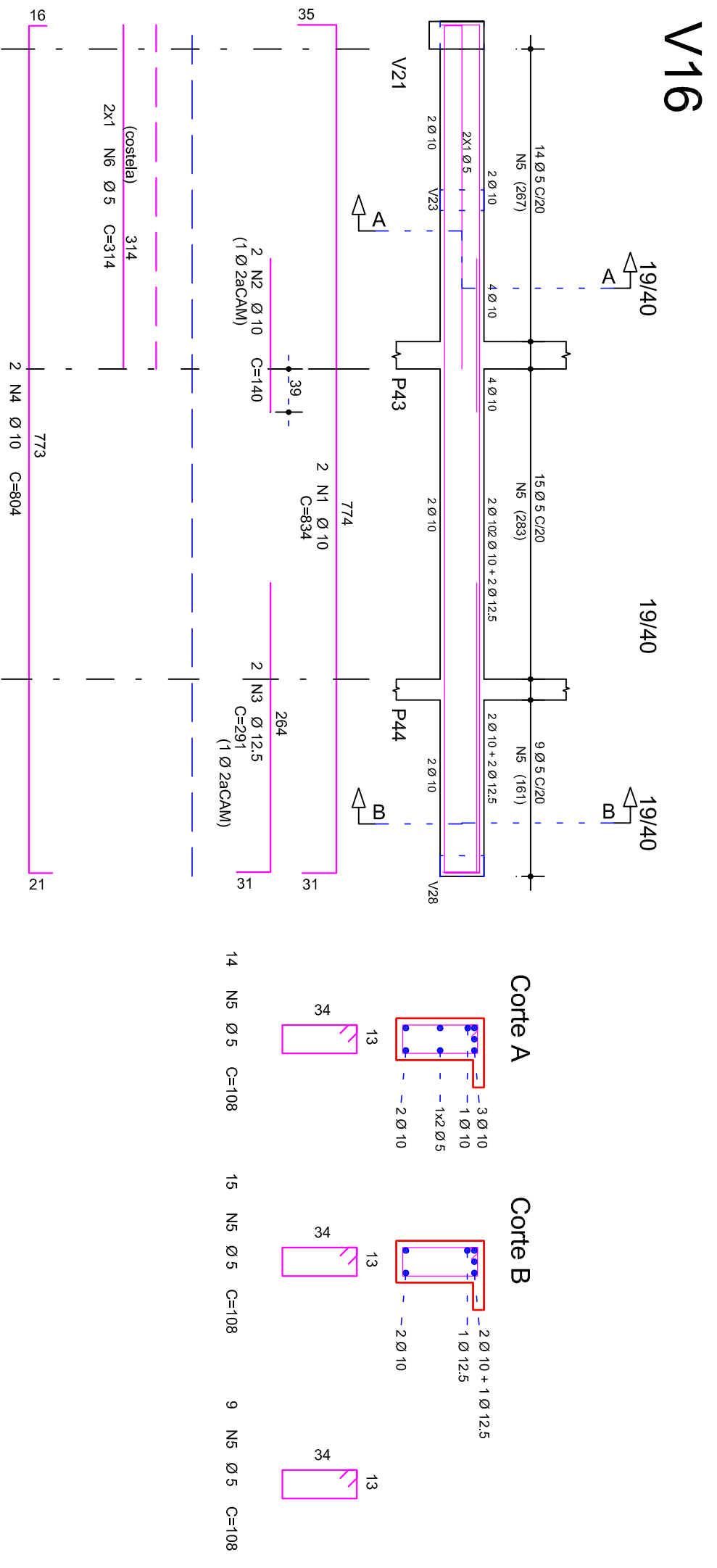
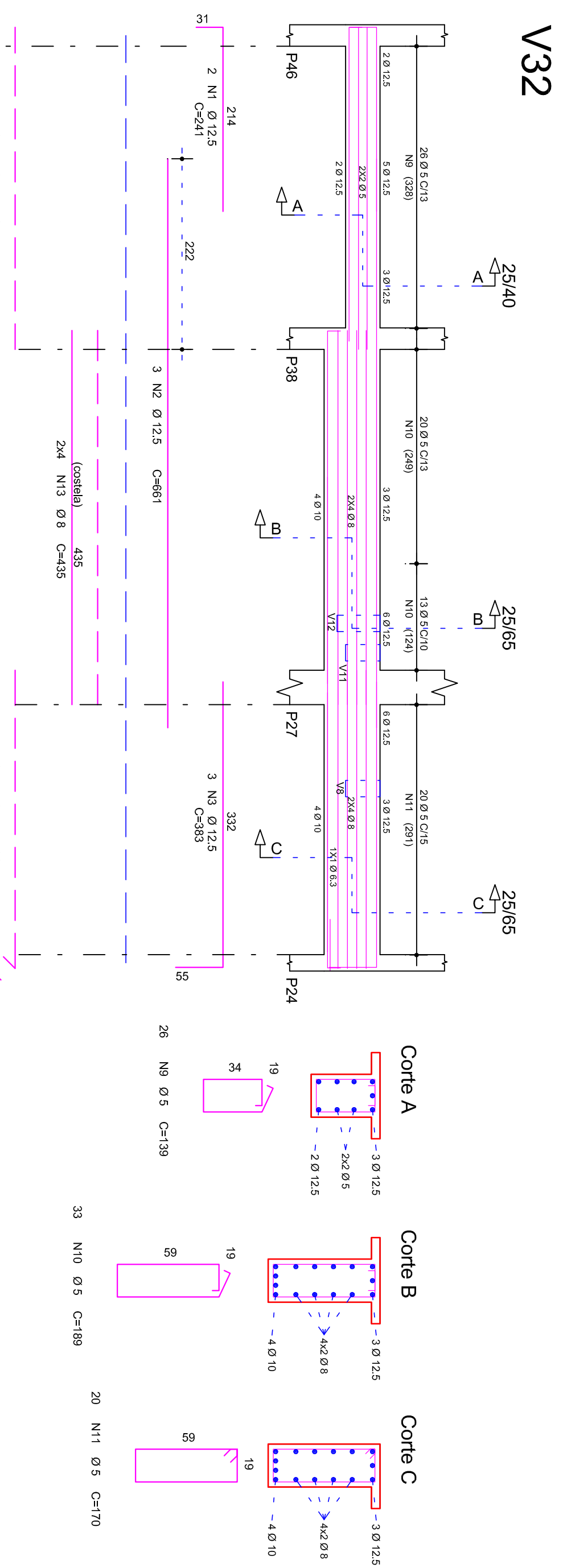
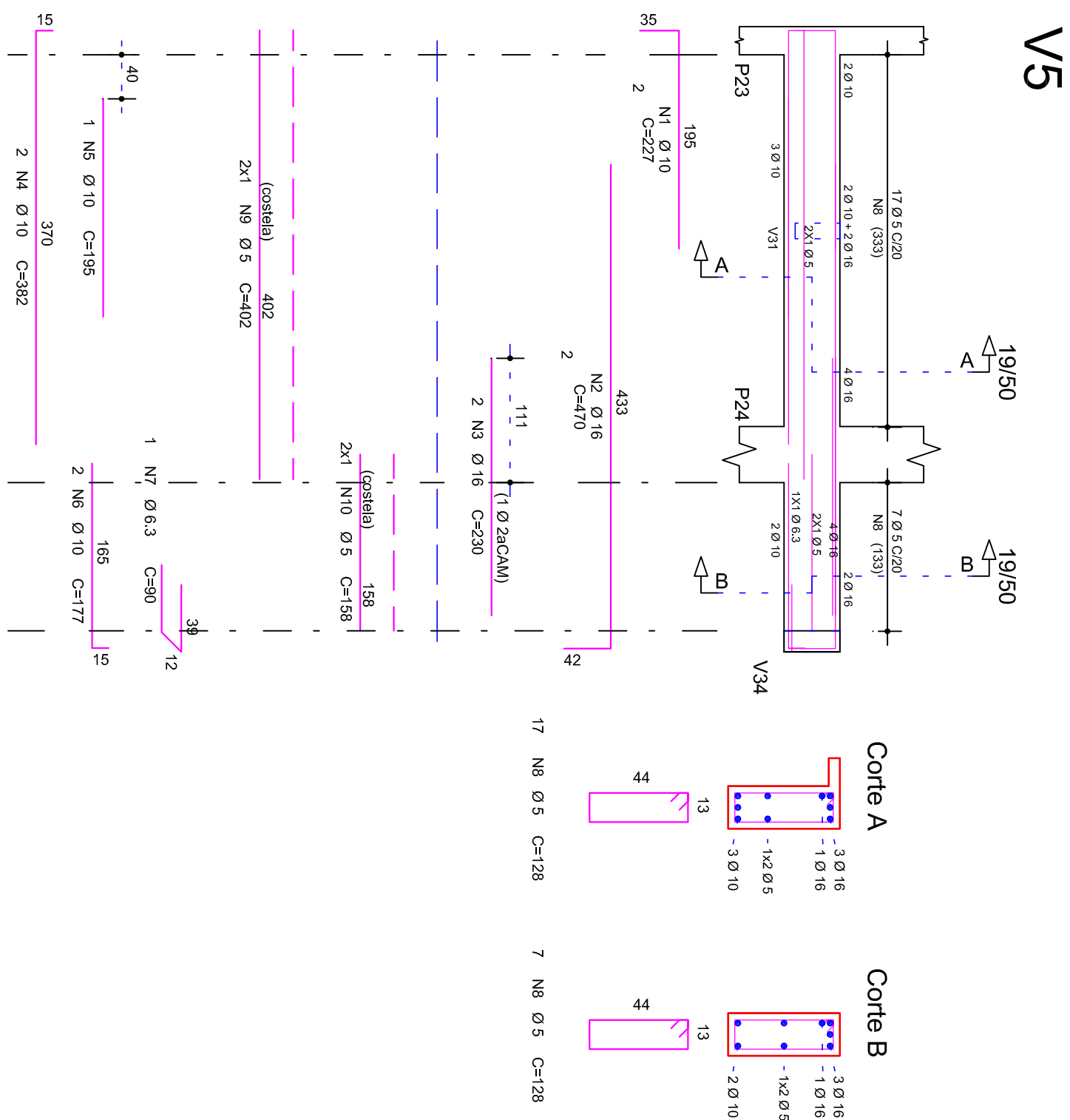
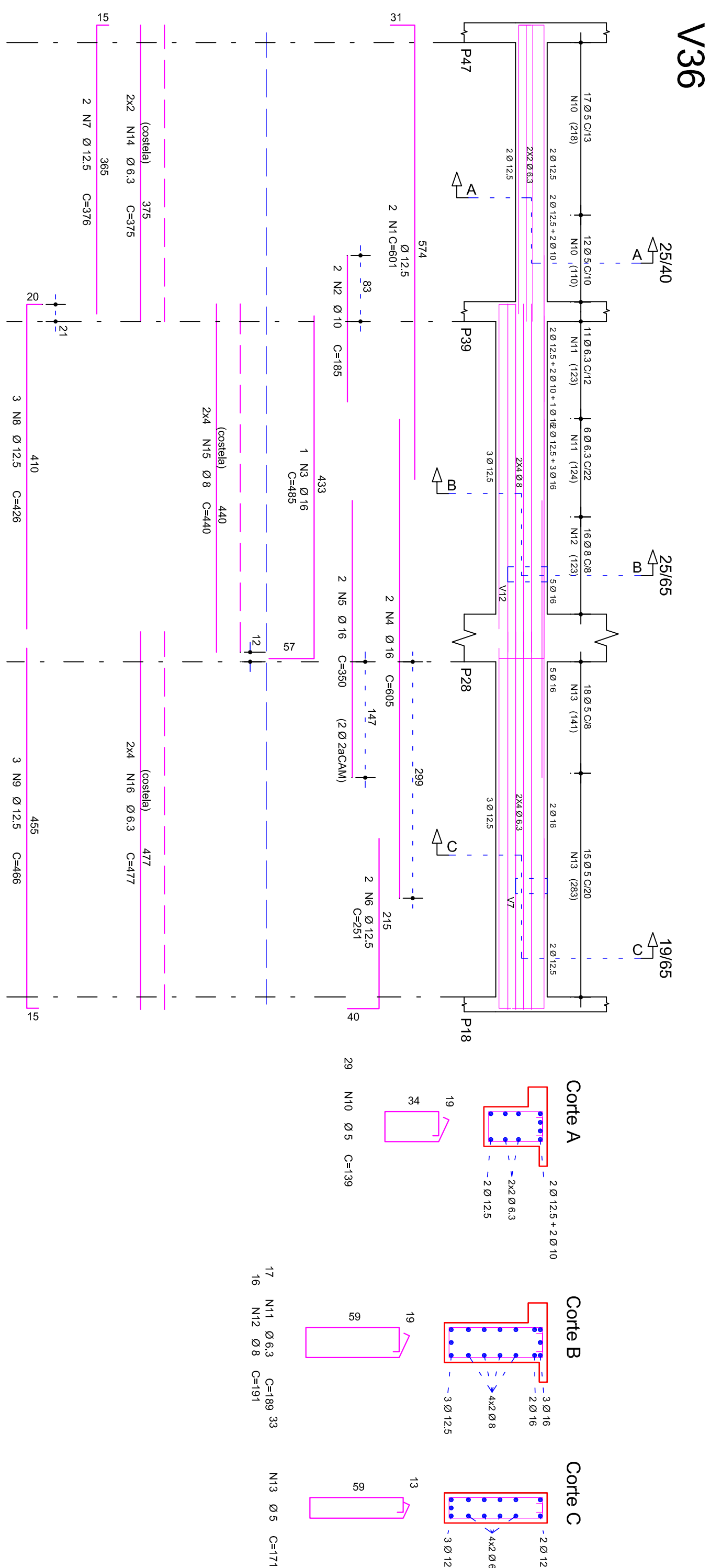
Planta de forma pav. térreo detalhamento de vigas	1:50	Graficação: Roque Ottonelli
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Responsável Técnico:	
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ROQUE R OTTONELLI DALMAS
CBEA/DC 100781

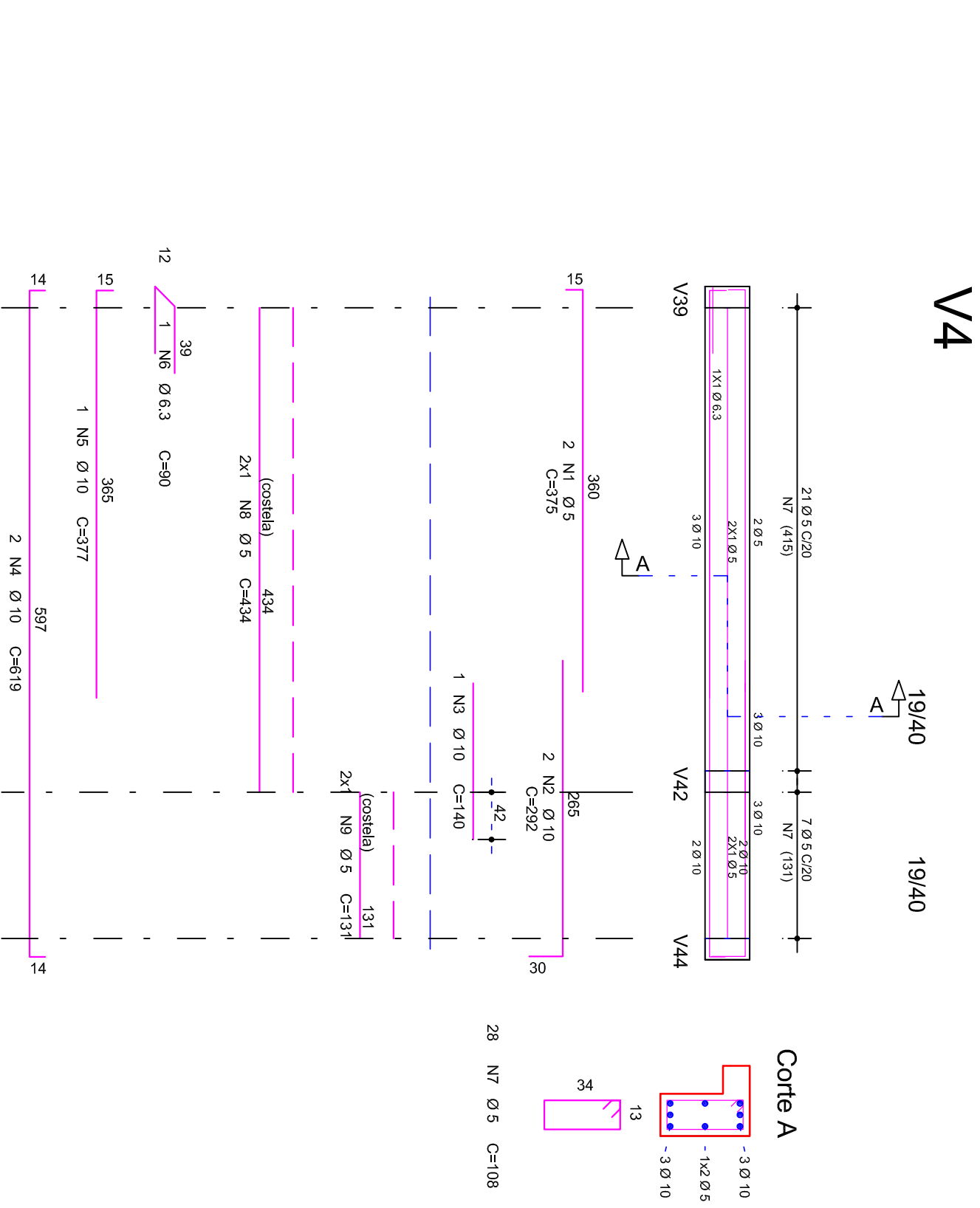
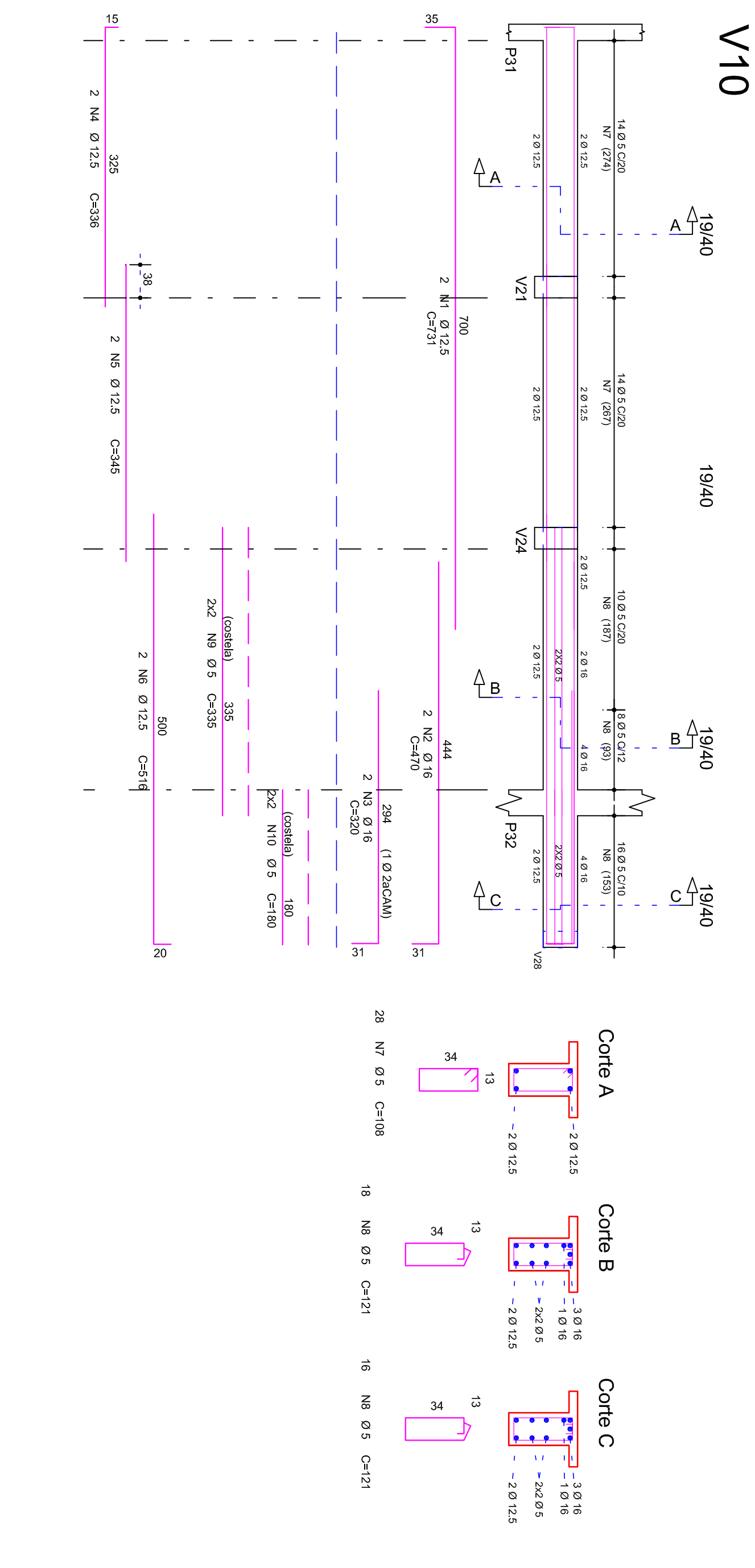
Proprietário: _____

04



	AÇO		POS	BIT (mm)	QUANT	COMPROMETIMENTO		
	UNIT	TOTAL						
V4								
	606	1	5	2	375	750		
	50A	2	10	2	292	584		
	50A	3	10	1	140	140		
	50A	4	10	1	140	140		
	50A	5	10	1	140	140		
	50A	6	6,3	3	377	754		
	50A	7	5	1	90	90		
	606	6	5	28	108	3024		
	606	6	5	2	134	368		
	606	3	5	2	131	262		
V5								
	50A	1	10	2	227	454		
	50A	2	16	2	470	940		
	50A	3	16	2	230	460		
	50A	4	10	1	140	140		
	50A	5	10	1	195	195		
	50A	6	10	2	177	354		
	50A	7	6,3	3	90	90		
	606	6	5	14	128	3072		
	606	6	5	2	403	806		
	606	10	5	2	403	806		
V10								
	50A	1	12,5	2	731	1462		
	50A	2	16	2	470	940		
	50A	3	12,5	2	336	672		
	50A	4	12,5	2	336	672		
	50A	5	12,5	2	546	890		
	50A	6	12,5	2	516	1032		
	606	7	5	28	108	3024		
	606	9	5	4	140	140		
	606	9	5	4	335	1340		
	606	10	5	4	180	720		
V16								
	50A	1	10	2	834	1668		
	50A	2	16	2	470	940		
	50A	3	12,5	2	281	562		
	50A	4	5	2	804	1608		
	606	5	5	38	108	4104		
	606	6	5	2	314	628		
	V32							
		50A	1	12,5	2	241	482	
		50A	2	12,5	3	361	1083	
		50A	3	12,5	3	383	1149	
50A		4	12,5	2	376	752		
50A		5	10	2	552	1104		
50A		6	10	2	552	1104		
50A		7	7	2	332	664		
50A		8	6,3	3	100	100		
606		6	5	28	139	3814		
606		11	5	20	170	3400		
V36								
	50A	1	12,5	2	601	1202		
	50A	2	10	1	185	370		
	50A	3	16	1	485	485		
	50A	4	16	2	605	7210		
	50A	5	12,5	2	502	502		
	50A	6	12,5	2	251	251		
	50A	7	12,5	2	476	752		
	50A	8	12,5	3	326	728		
	50A	9	10	5	29	135		
	50A	10	6,3	3	17	189		

RESUMO AÇO CA 50+60				
AÇO	BIT	CONPR	PESO	
	(mm)	(m)	(kg)	
60B	5	475		76
50A	6,3	88		22
50A	8	130		52
50A	10	106		67
50A	11,5	139		159
50A	16	51		86
Peso Total	60B =			76 kg
Peso Total	50A =			365 kg

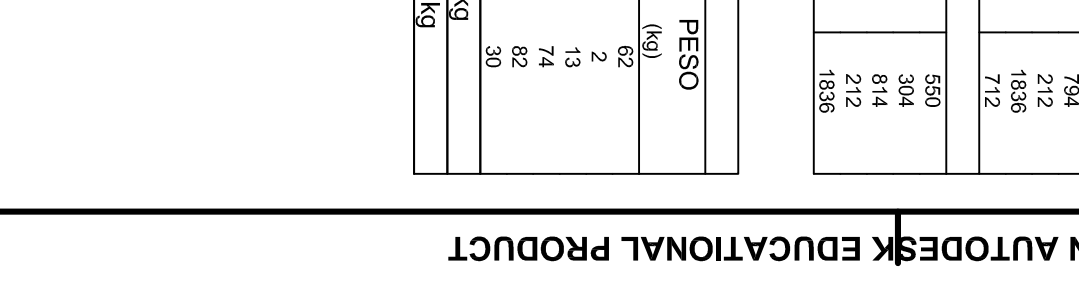
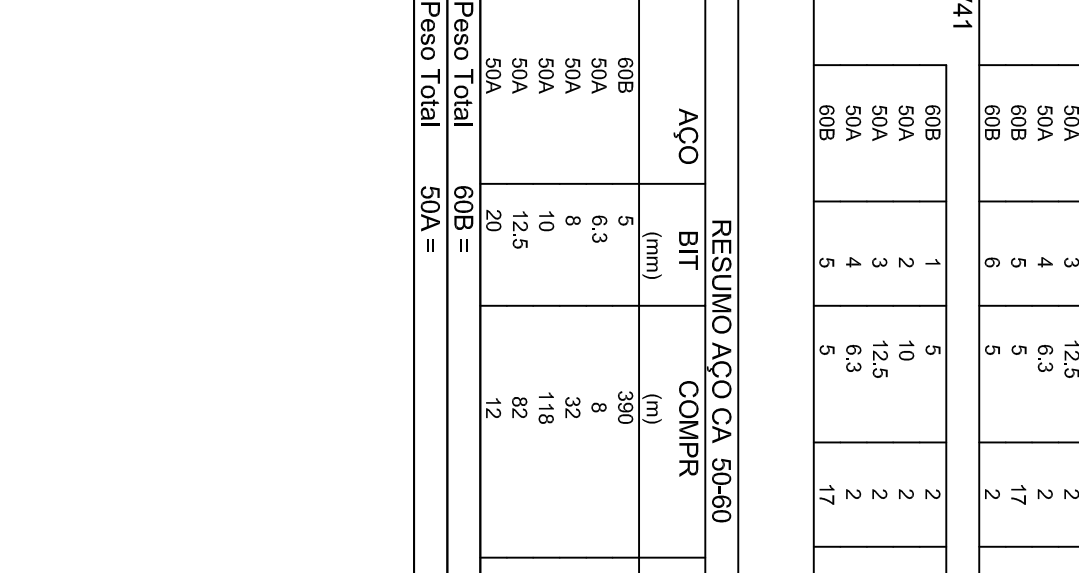
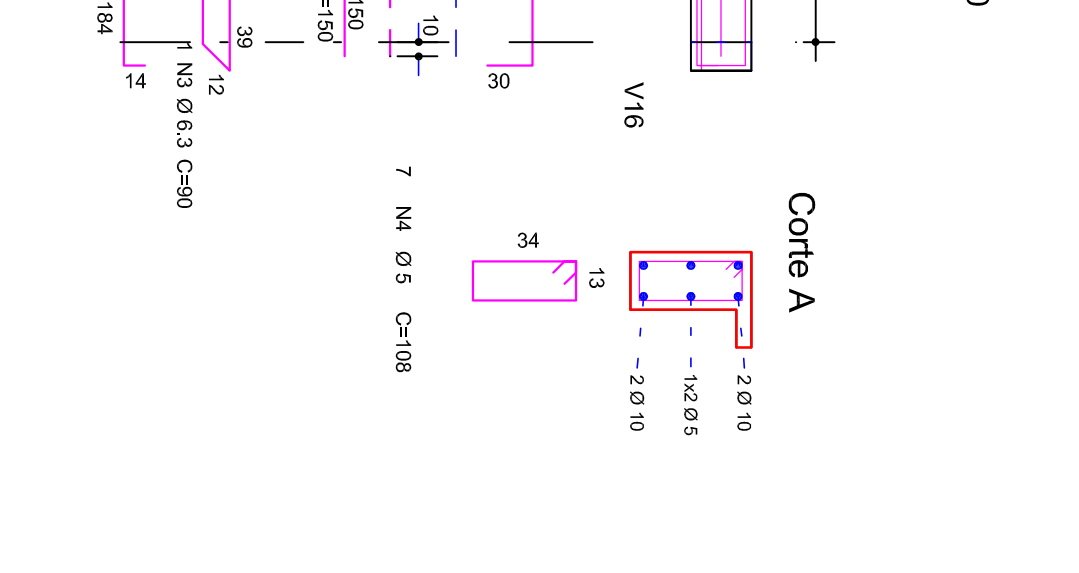
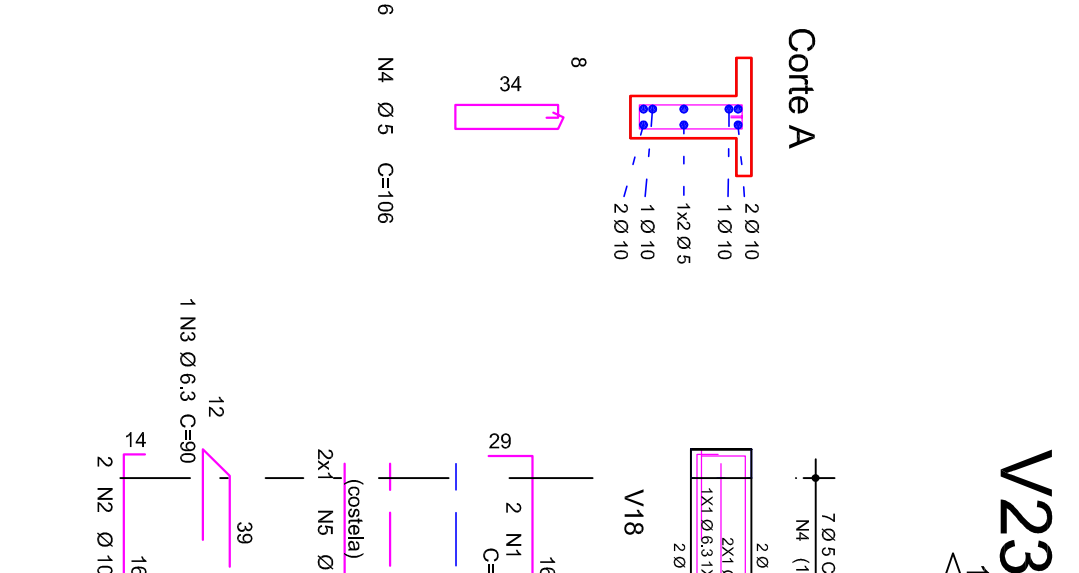
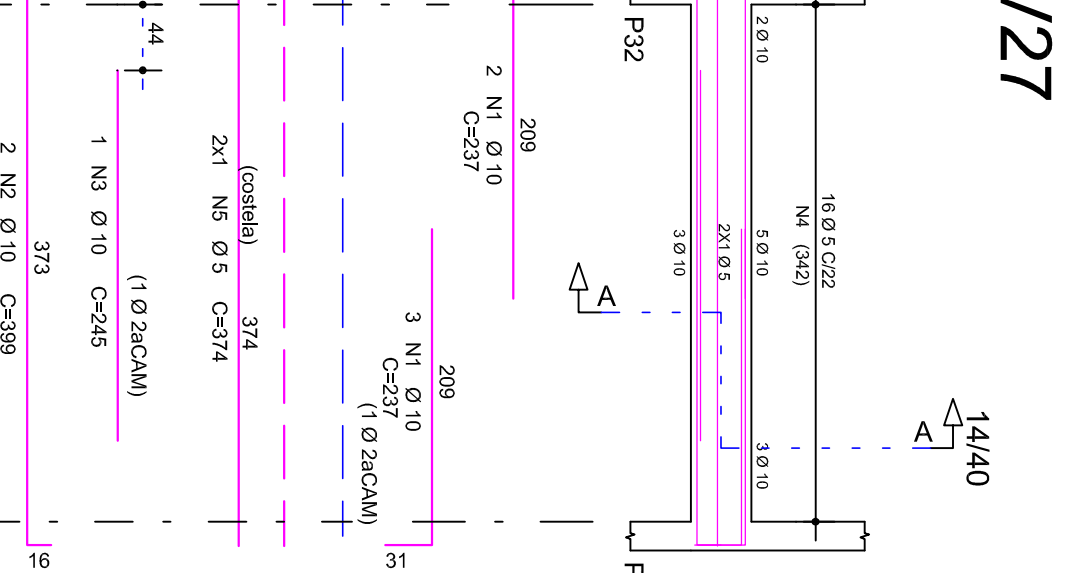
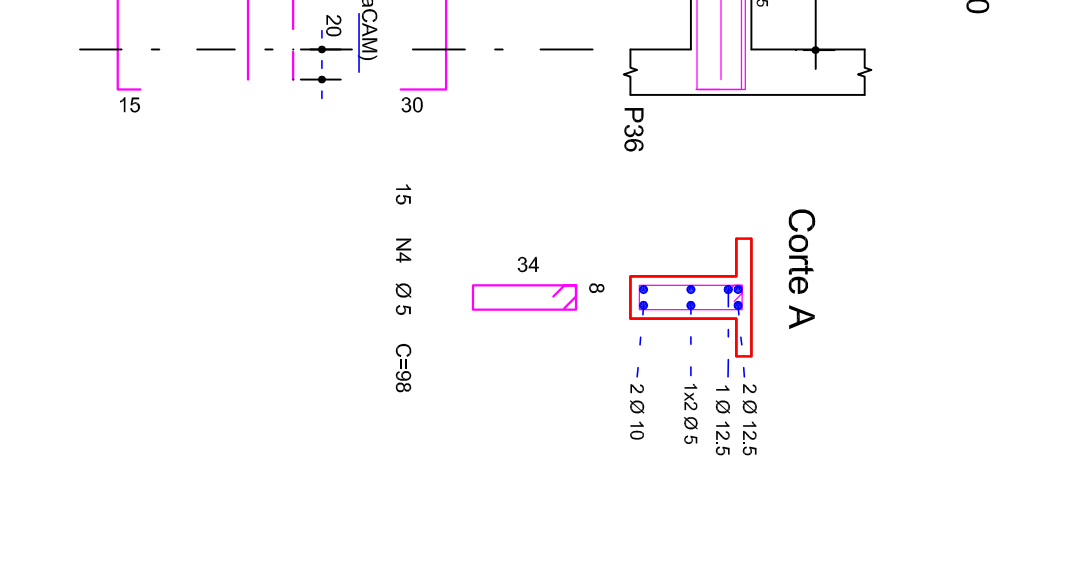
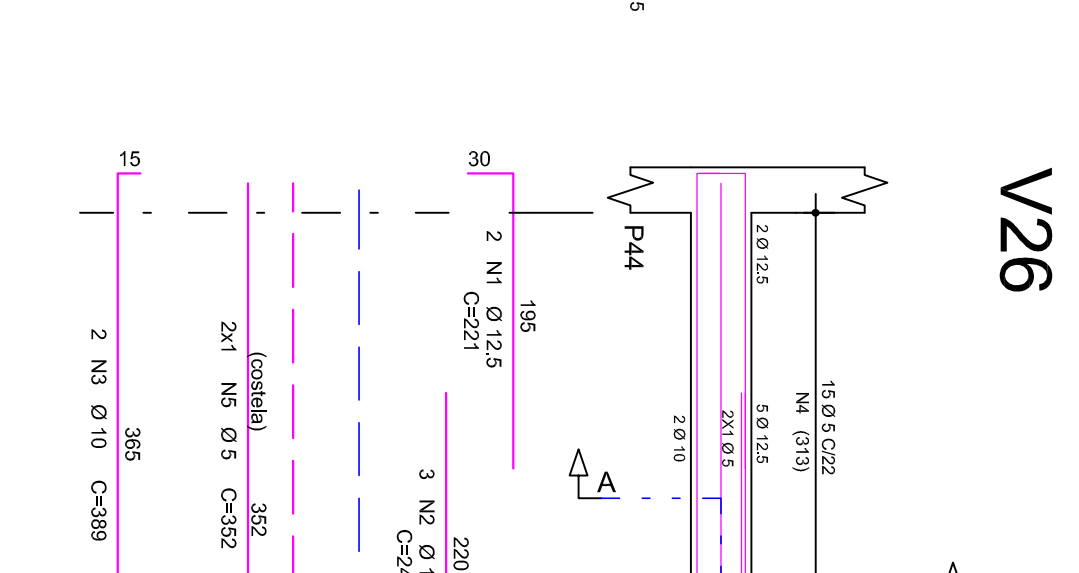
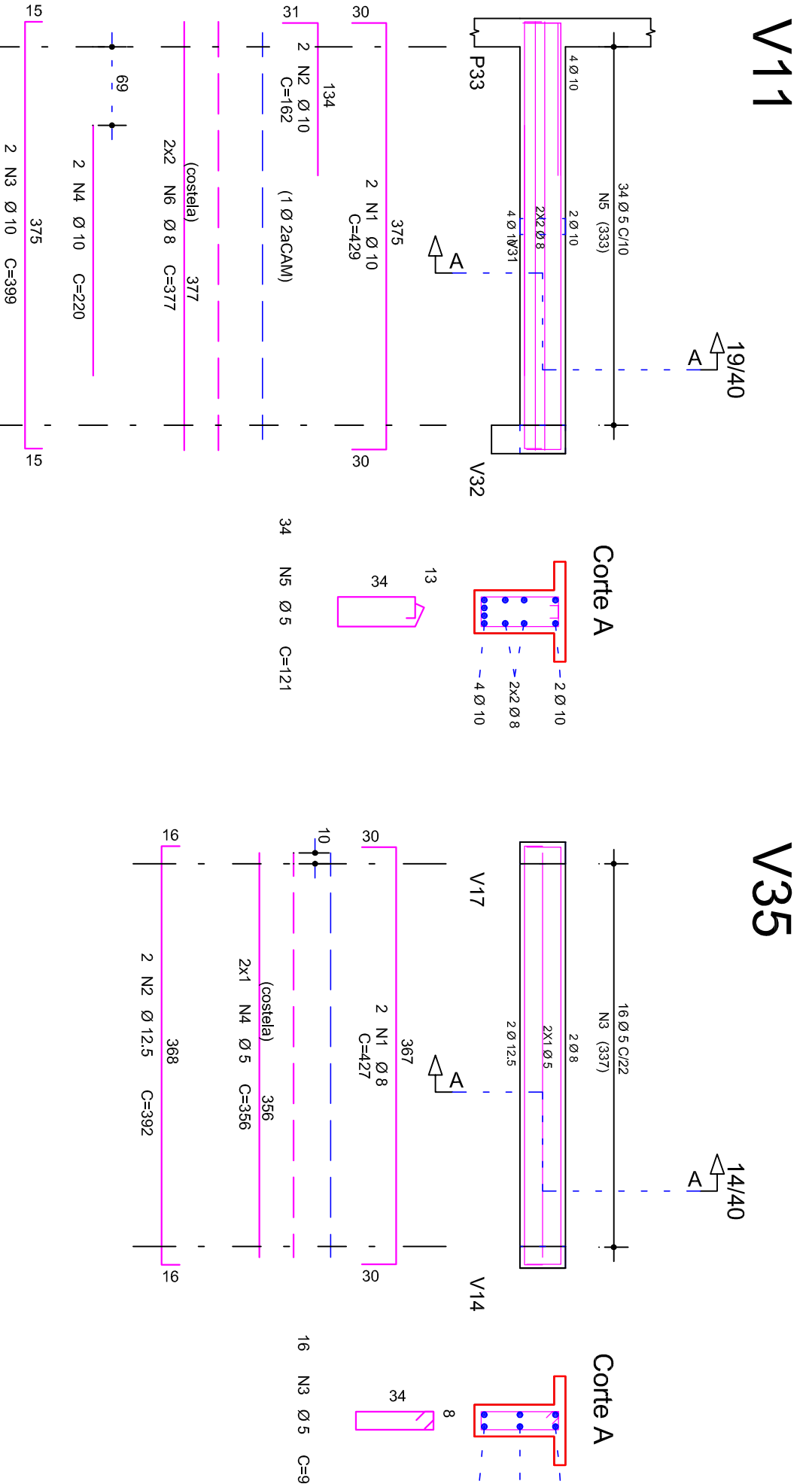
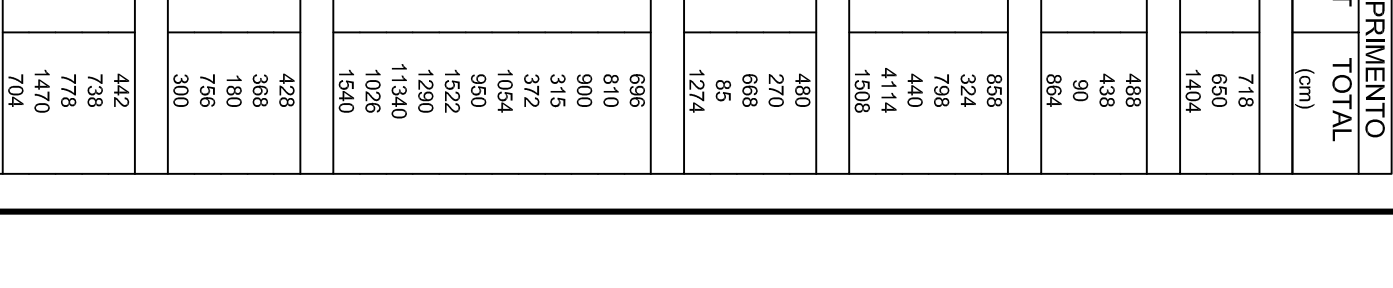
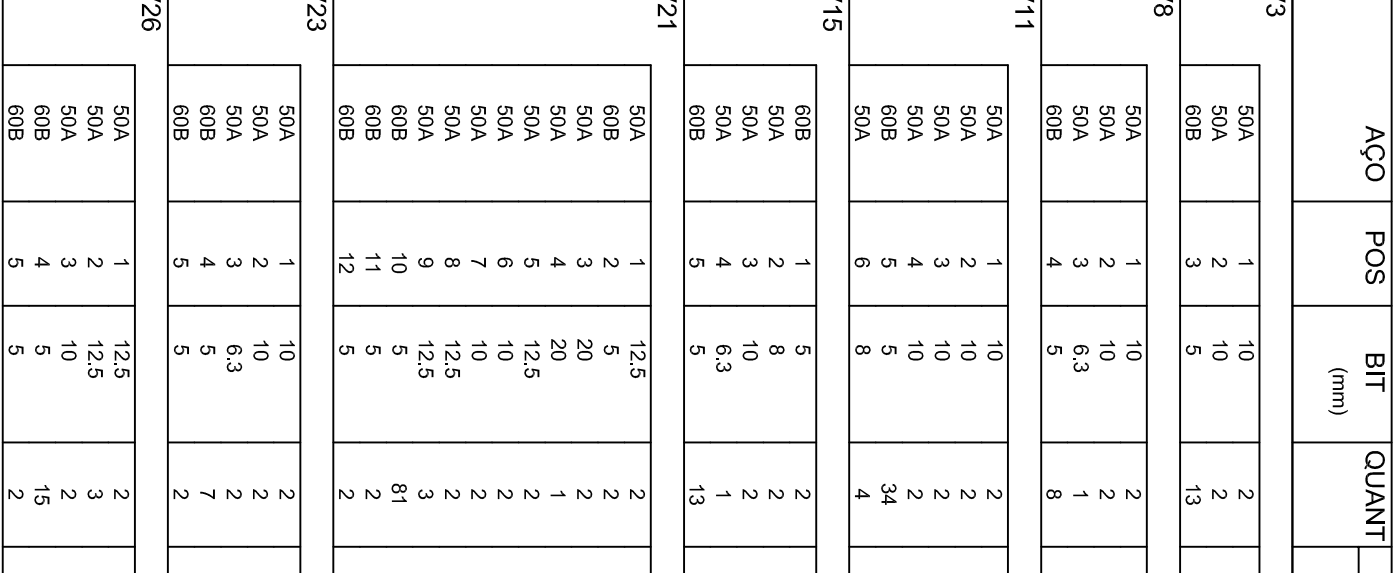
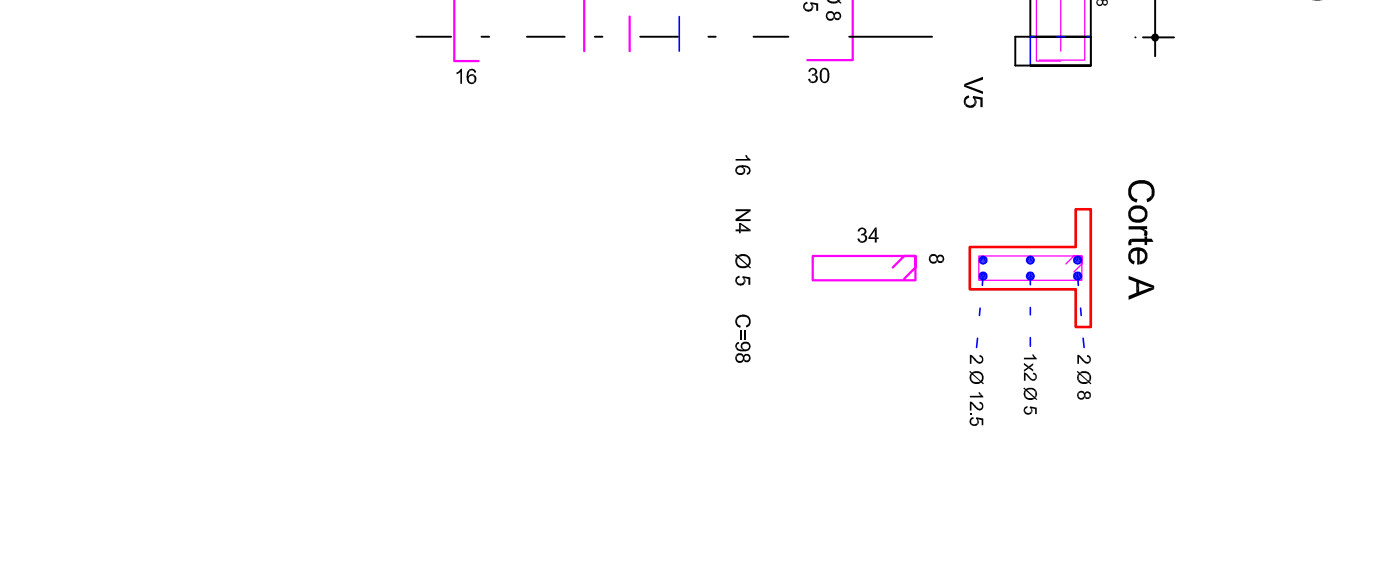
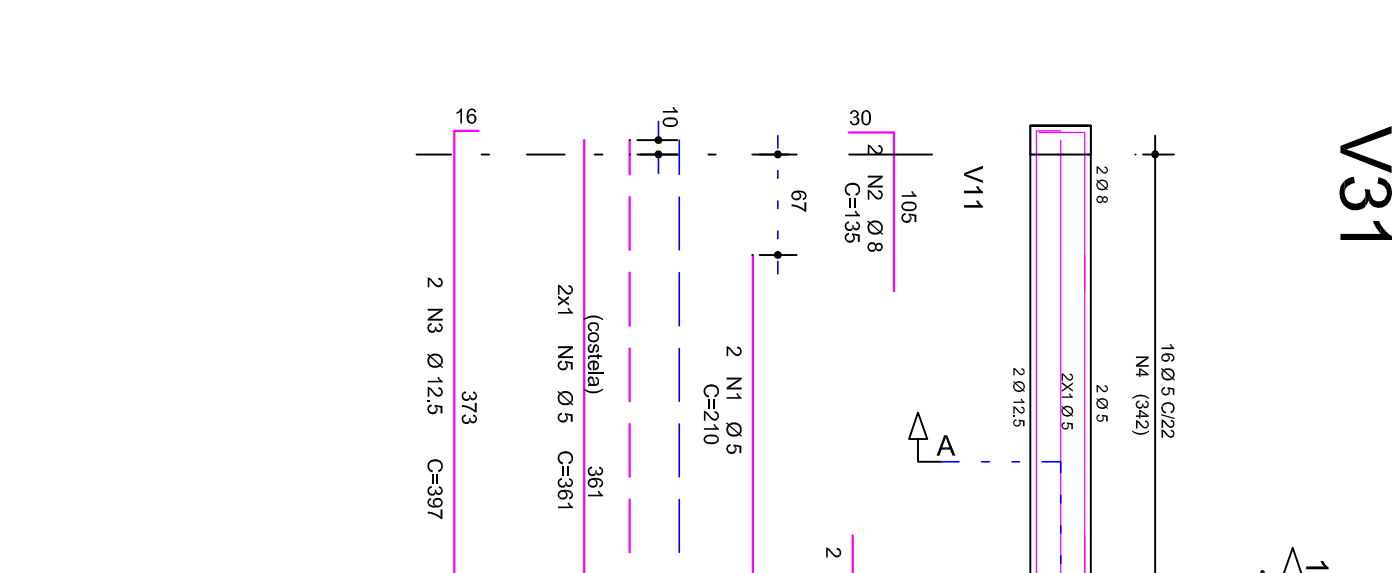
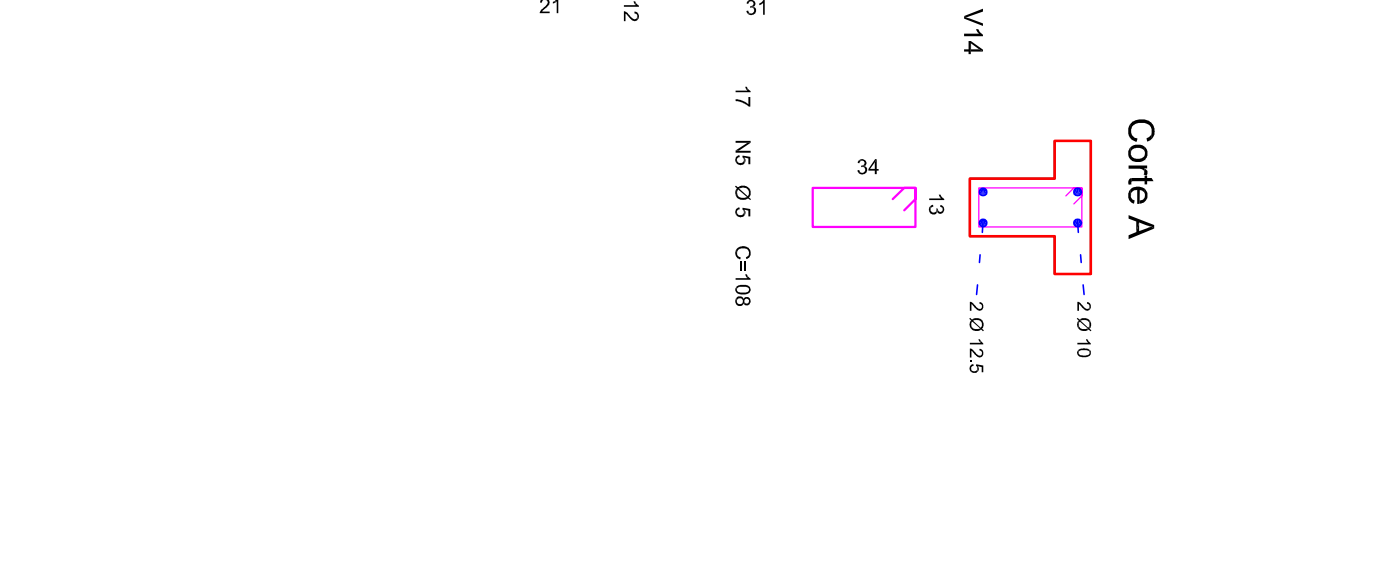
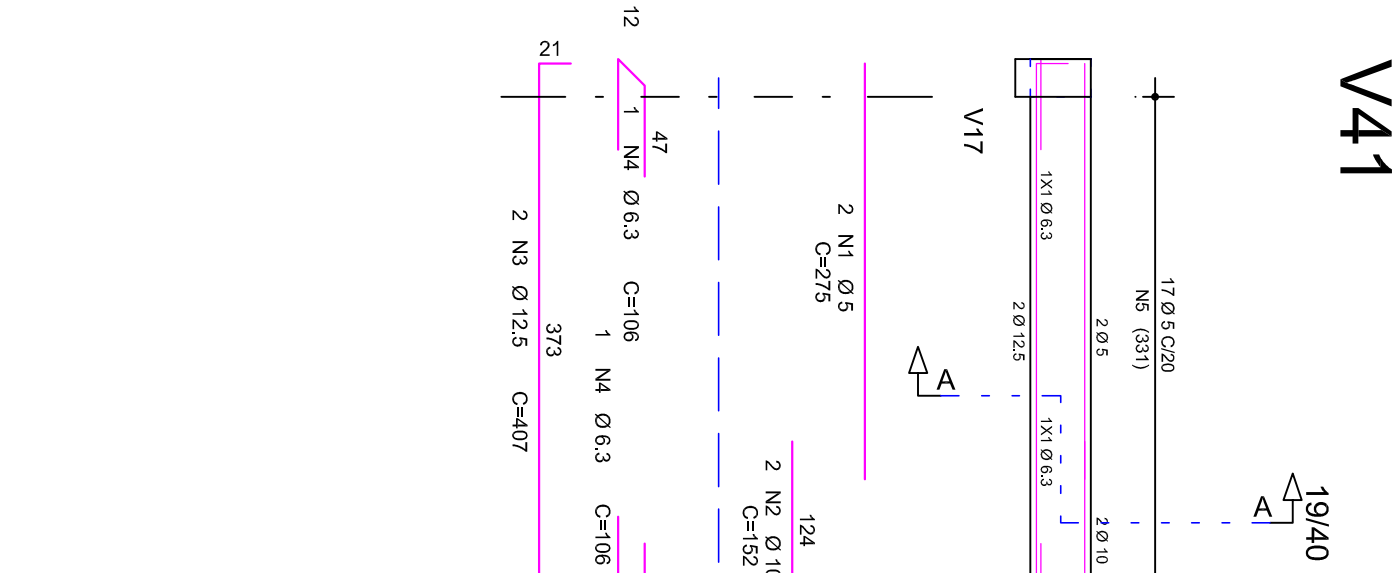
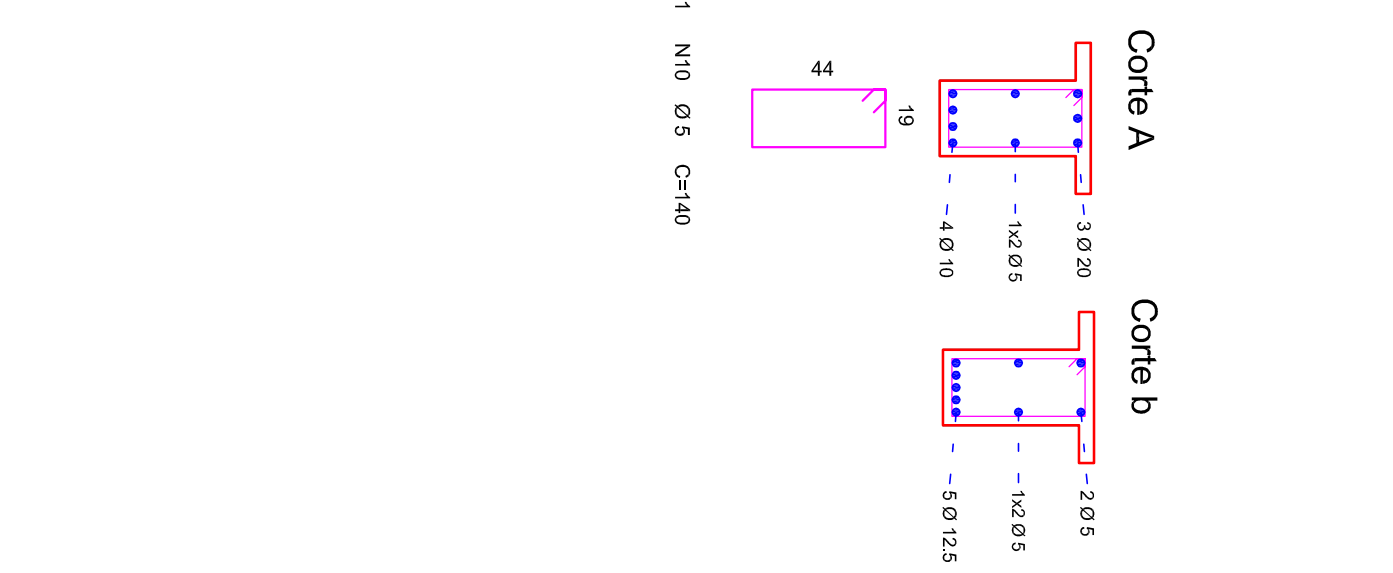
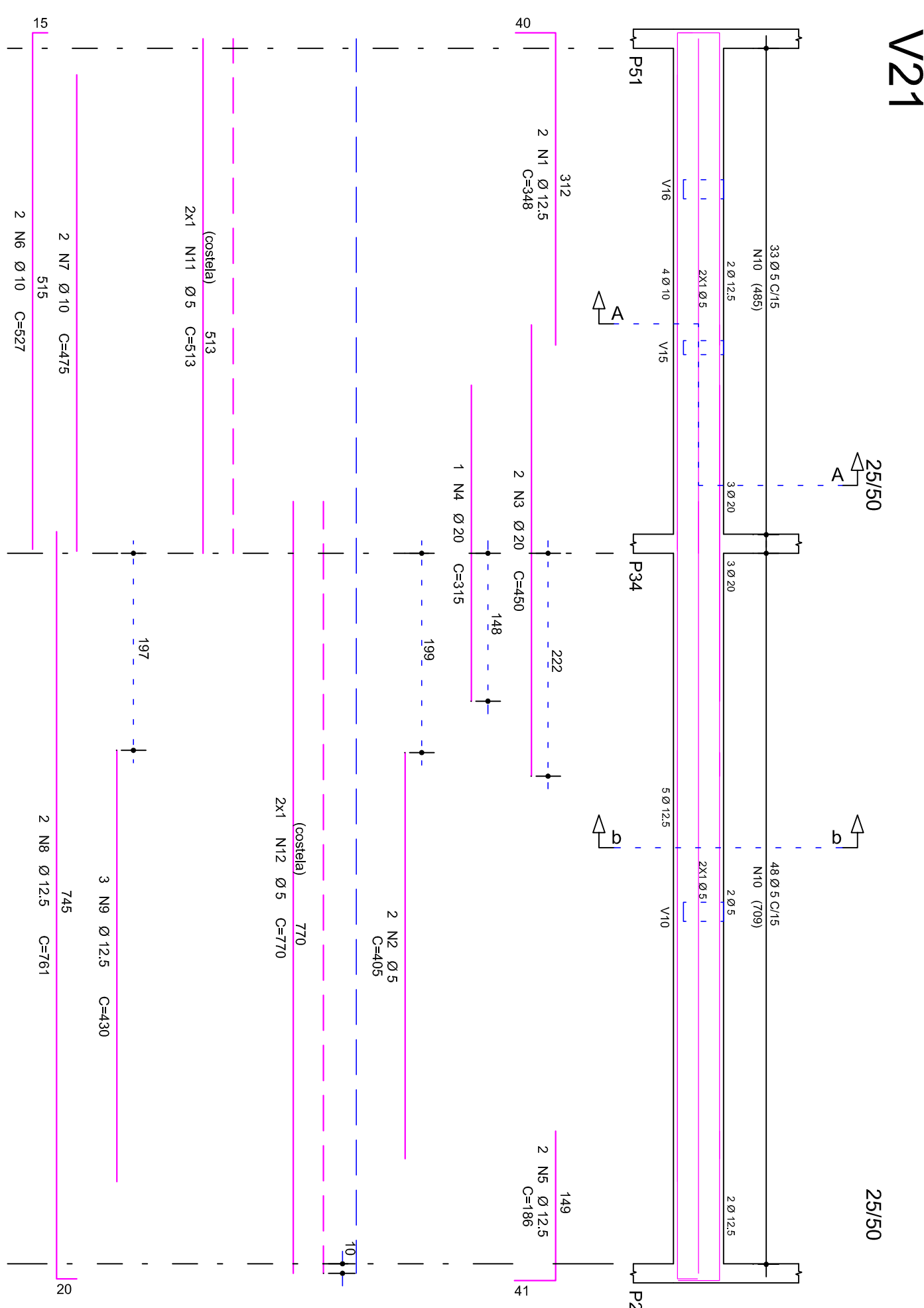


CENTRAL DE PROJETOS

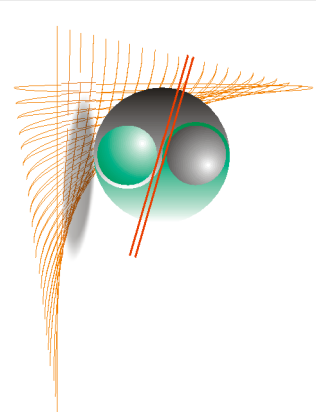
Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Floriano Peixoto - 436, Centro - Ilhéus / RS

Proprietário:	Município de Juiz Forde Executivo		
Outra:	Estabelecimento de Saúde da Família do Meio Rural		
Local:	Rua São Paulo - Centro - Juiz Forde		
Projeto:	Escala:	Data:	
Planta de forma pay, terreno detalhamento de vigas	1:50	Agosto de 2013	
Responsável Técnico:	Gratificação: Rique Ottomelli		
_____ RODOLFO OTTONELLI DALMAS CREA/RS 193/91	T 13 PRONAC		
Proprietário:	Município de Juiz Forde Executivo		
	05		



V3	AÇO		POS	BIT (mm)	QUANT	COMPRIMENTO		
						UNIT	TOTAL	
	50A	1	10	2	350	718		
	50A	2	10	2	325	650		
	60B	3	5	13	108	1404		
V8	50A	1	10	2	244	488		
	50A	2	10	2	219	438		
	50A	3	6,3	1	90	90		
	60B	4	5	8	108	864		
V11	50A	1	10	2	429	858		
	50A	2	10	2	162	324		
	50A	3	10	2	220	440		
	50A	6	5	4	34	121	4114	
	50A	6	8	8	377	1508		
V15	60B	1	5	2	240	480		
	50A	2	8	2	135	270		
	50A	3	10	2	334	668		
	60B	4	6,3	1	85	85		
V21	60B	5	5	13	98	1274		
	50A	1	12,5	2	348	696		
	50A	2	5	2	450	900		
	50A	3	20	2	405	810		
V23	50A	4	12,5	2	315	630		
	50A	5	10	2	177	354		
	50A	6	10	2	177	354		
	50A	6	10	2	10	20	3054	
	50A	7	10	2	827	1654		
	50A	8	12,5	2	761	1522		
	50A	8	12,5	3	475	950		
	60B	10	5	81	140	11340		
V26	60B	11	5	2	513	1026		
	60B	12	5	2	770	1540		
	50A	1	10	2	214	428		
	50A	2	10	2	164	328		
V28	50A	3	6,3	2	90	180		
	60B	4	5	7	108	756		
	60B	5	5	2	150	300		
	50A	1	12,5	2	221	442		
V27	50A	2	12,5	3	246	738		
	50A	3	10	2	389	778		
	50A	4	5	2	350	700		
	60B	5	5	2	350	700		
V31	50A	1	10	5	237	1185		
	50A	2	10	2	399	798		
	50A	3	10	1	465	930		
	60B	4	5	16	38	1569		
V35	60B	5	5	2	361	722		
	60B	5	5	2	361	722		
	50A	1	8	2	427	854		
	50A	2	12,5	1	475	950		
V38	60B	3	5	16	38	1569		
	60B	4	5	2	356	712		
	60B	1	5	2	275	550		
	50A	3	12,5	2	152	304		
V41	50A	4	6,3	2	106	212		
	60B	5	5	2	108	1836		
	60B	6	5	2	108	1836		
	60B	6	5	2	108	1836		
Peso Total							202 kg	
50A =							62 kg	
RESUMO AÇO CA 50-60								
AÇO		BIT	COMPR	PESO				
		(mm)	(m)	(kg)				
		60B	5	390	62			
		50A	6,3	8	2			
		50A	8	32	13			
		50A	10	118	71			
		50A	12,5	82	82			
		50A	16	12	30			



Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Pinaro Pehoko - 486, Centro - Ilul / NS

Proprietário: Município de Ilul Poder Executivo

Obra: Estabelecimento de Saúde da Família do Meio Rural

Local: Rua São Paulo - Centro - Ilul-RS

Projeto: Planta de forma pav. térreo detalhamento de vigas

Responsável Técnico: Escala: 1:50

Data: Agosto de 2013

Gratificação: Rique Ottonelli

Proprietário: RUI OTTONELLI DALMAS

CREA-RS 187391

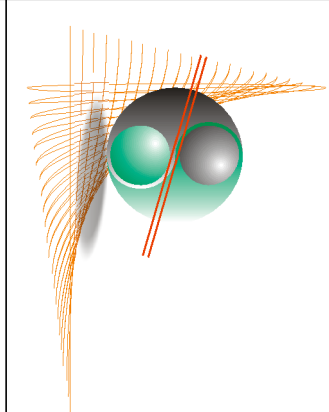
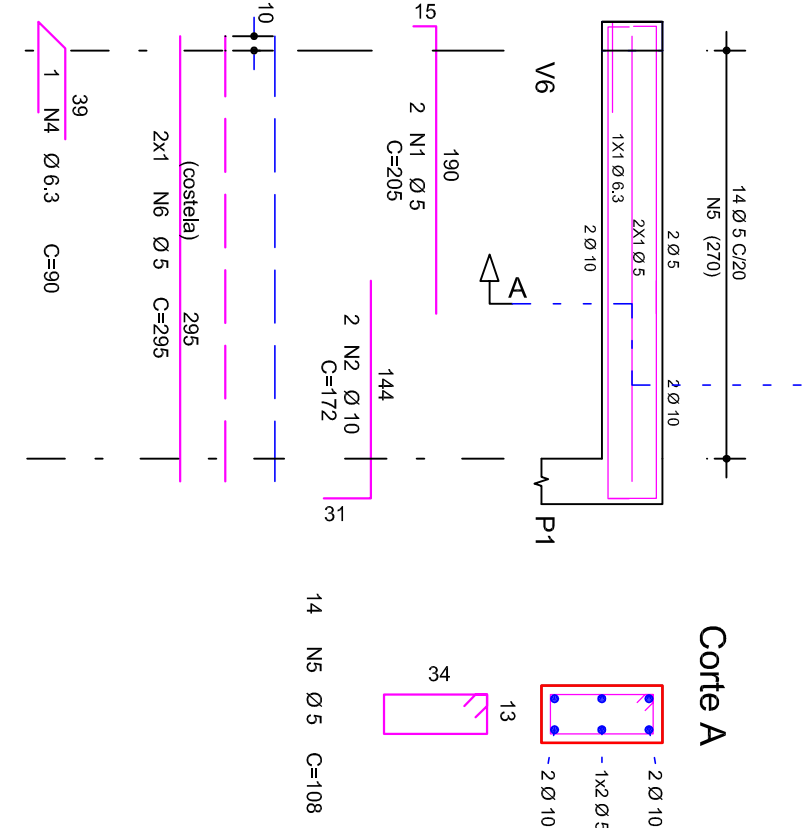
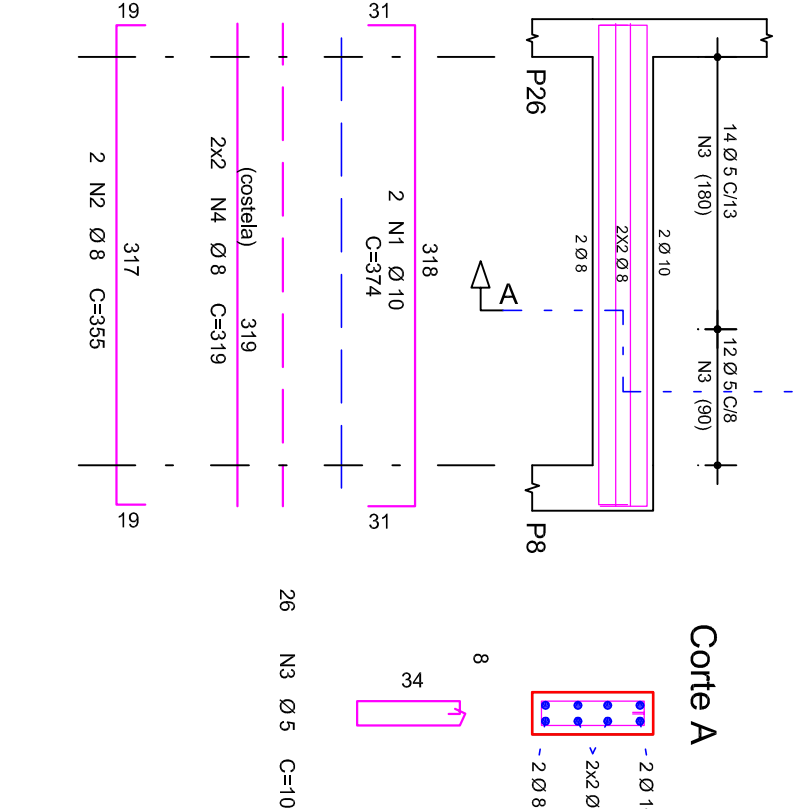
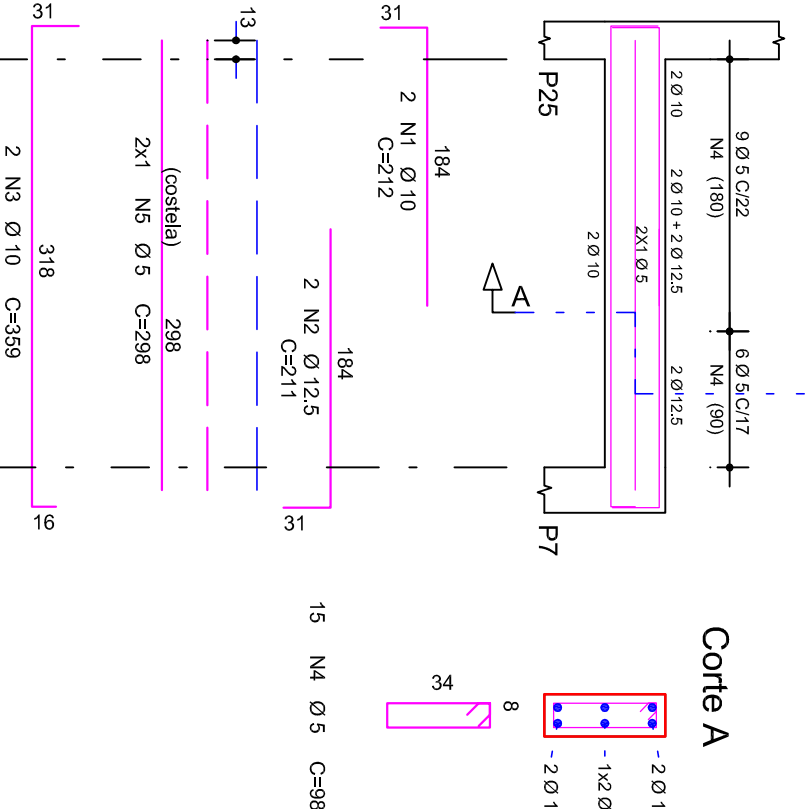
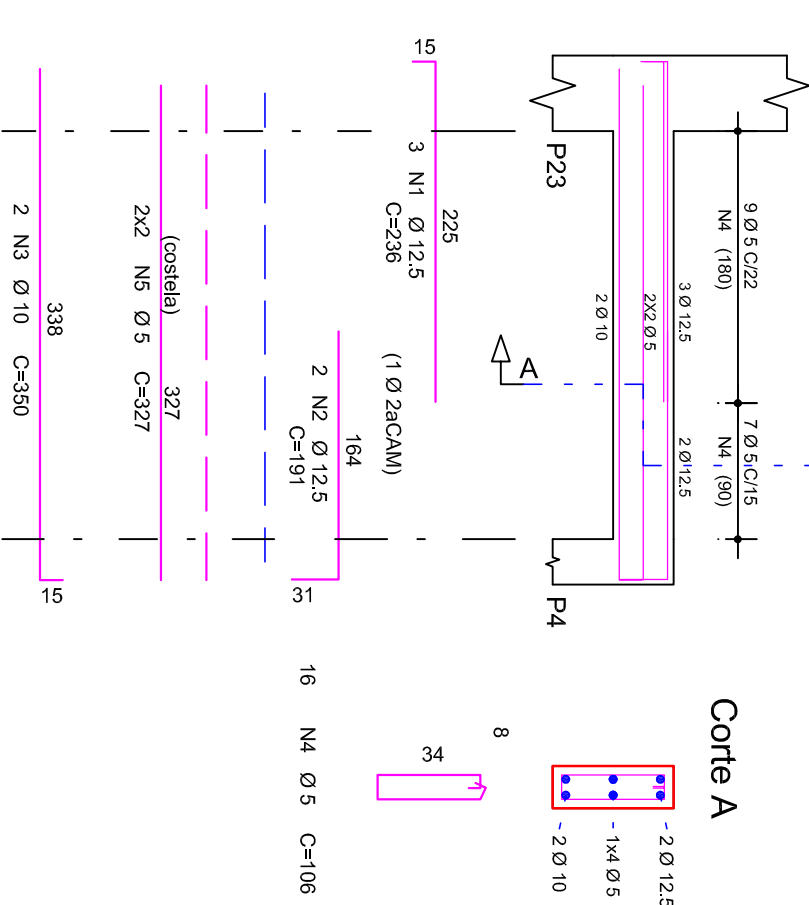
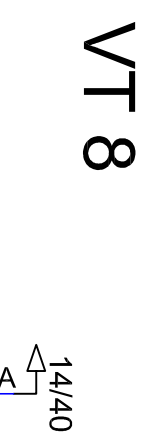
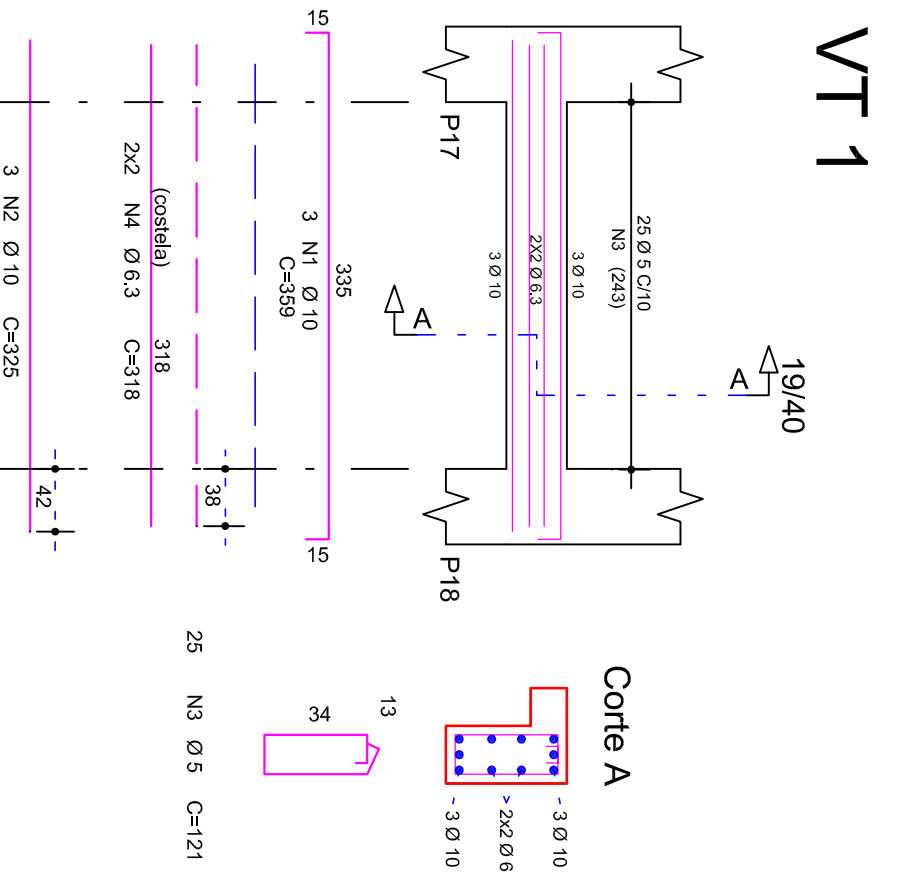
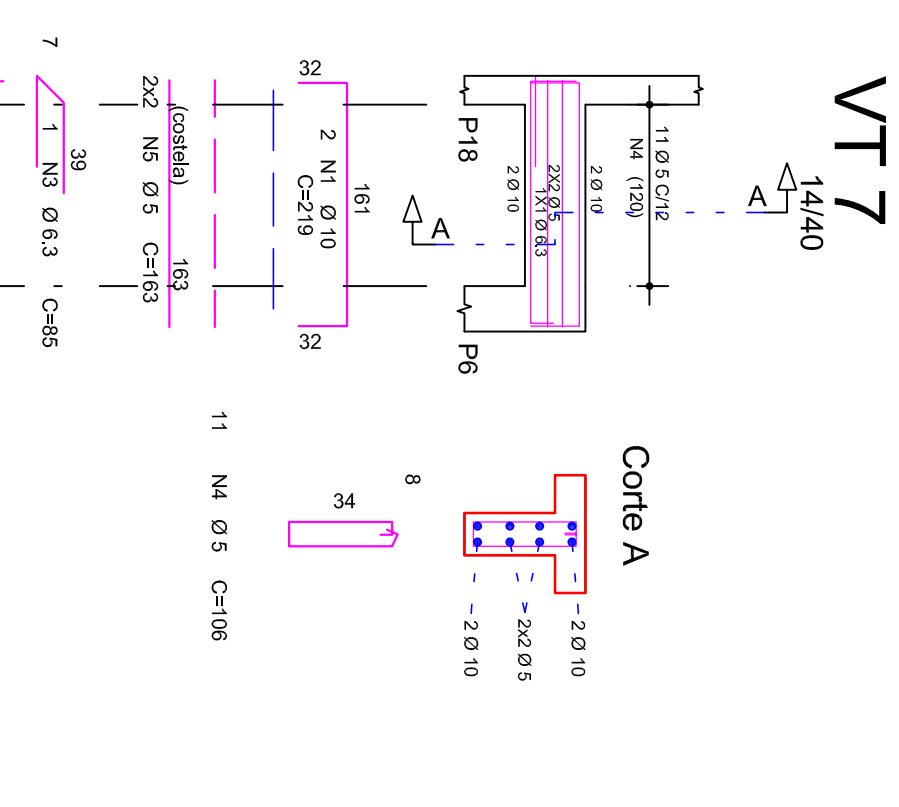
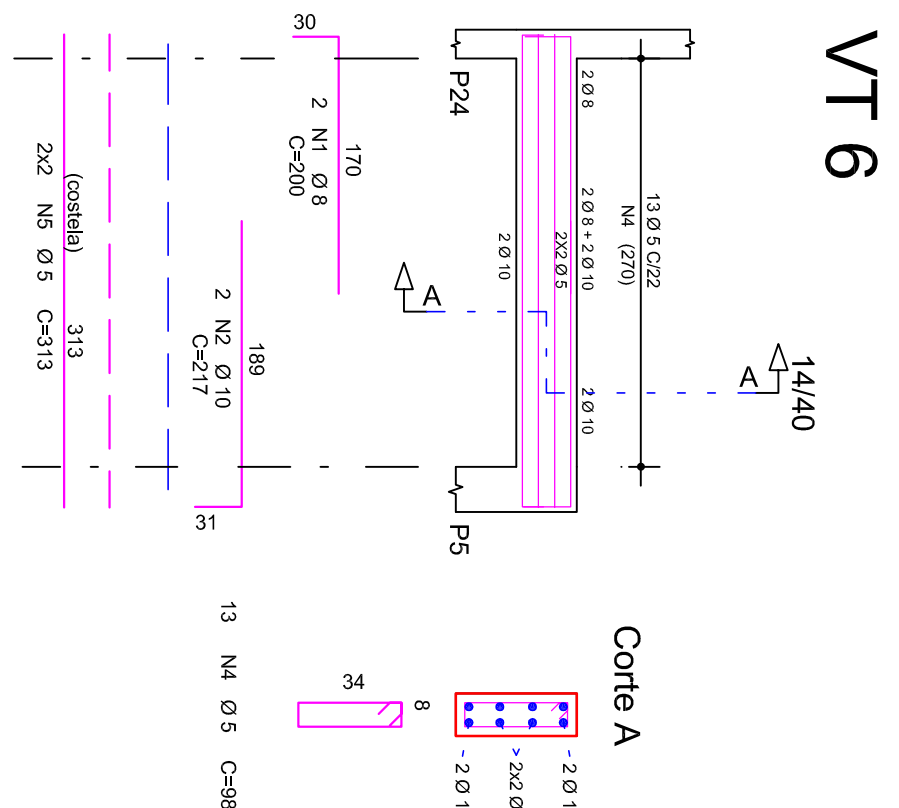
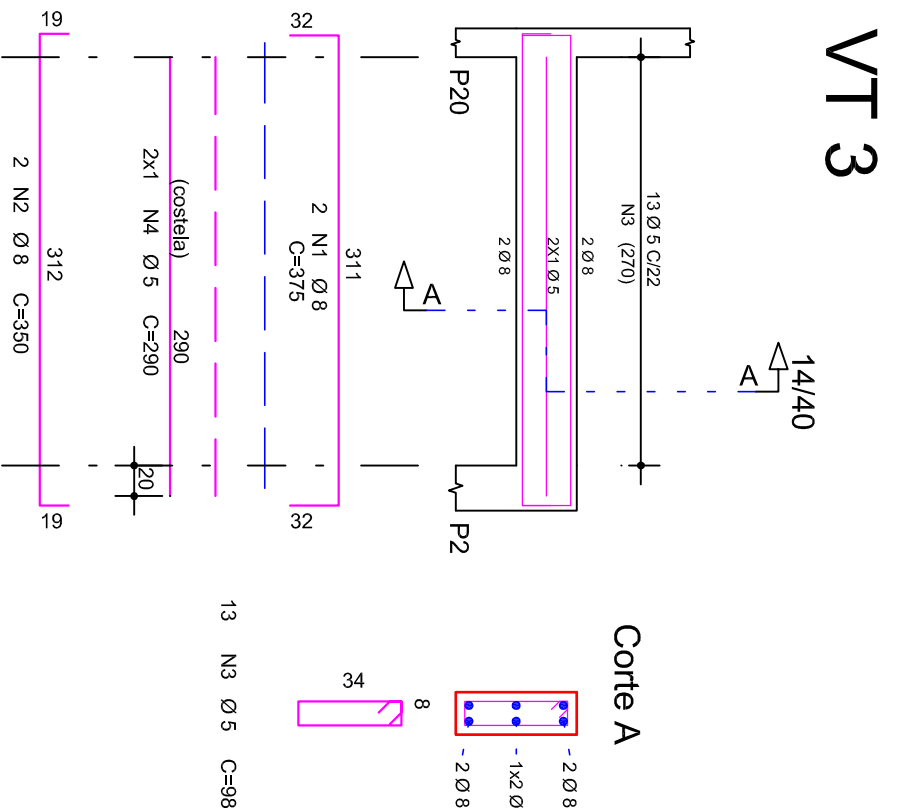
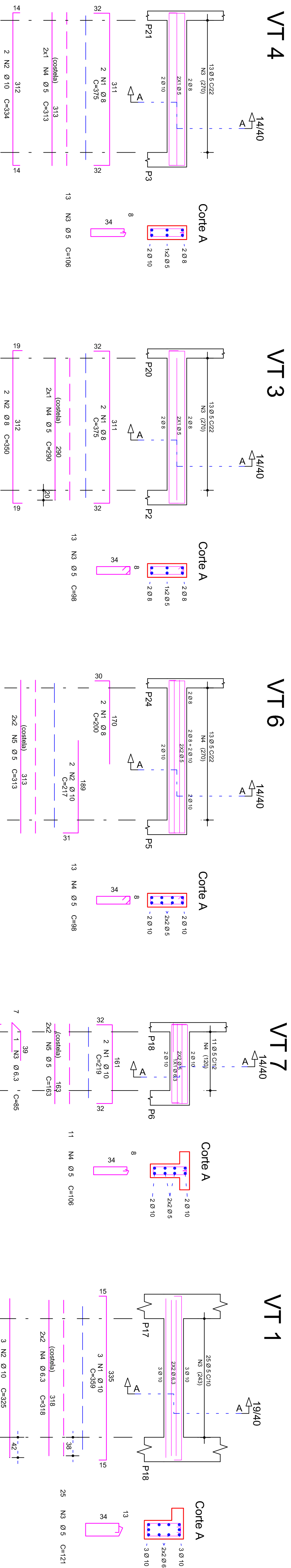
Proprietário: Município de Ilul Poder Executivo

PRANCHA

06

AÇO					COMPRIMENTO	
	FOS	BIT	QUANT	UNIT	TOTAL	
VT 1						
S0A	1	10	3	359	1077	
S0A	2	10	3	325	975	
S0A	3	5	25	121	3025	
S0A	4	6,3	4	319	1272	
VT 2						
S0A	1	5	2	205	410	
S0A	2	10	2	172	344	
S0A	3	10	2	334	668	
S0A	5	8,3	14	108	1512	
S0B	6	5	2	295	590	
VT 3						
S0A	1	8	2	375	750	
S0A	2	8	2	350	700	
S0A	3	8	2	171	342	
S0B	4	5	2	290	580	
VT 4						
S0A	1	8	2	375	750	
S0A	2	10	2	334	668	
S0A	3	5	2	313	626	
S0B	4	5	2	313	626	
VT 5						
S0A	1	12,5	3	236	708	
S0A	2	12,5	2	191	382	
S0A	3	10	2	359	718	
S0B	4	5	11	106	1274	
S0B	5	5	4	327	1308	
VT 6						
S0A	1	8	2	200	400	
S0A	2	10	2	217	434	
S0A	3	10	2	324	648	
S0B	4	5	13	98	1166	
S0B	5	5	4	313	1252	
VT 7						
S0A	1	10	2	219	438	
S0A	2	10	2	217	434	
S0A	3	6,3	1	85	85	
S0B	4	5	11	106	1166	
S0B	5	5	4	163	652	
VT 8						
S0A	1	10	2	212	424	
S0A	2	12,5	2	217	434	
S0A	3	10	2	359	718	
S0B	4	5	15	98	1140	
S0B	5	5	2	296	596	
VT 9						
S0A	1	10	2	324	648	
S0A	2	8	2	355	710	
S0A	3	5	26	106	1276	
S0A	4	8	4	319	1276	

RESUMO AÇO CA 50-60				
ACO	BIT	COMPR	PESO	
	(mm)	(m)	(kg)	
60B	5	216	35	
50A	5	144	14	
50A	8	46	18	
50A	10	83	52	
50A	12,5	15	15	
Peso Total 60B =			35 kg	
Peso Total 50A =			89 kg	



CENTRAL DE PROJETOS

Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Floriano Peixoto - 436, Centro - Ilhú / RS

Proprietário: Município de Ilú Poder Executivo
Obra: Estabelecimento de Saúde da Família do Meio Rural
Local: Rua São Paulo - Centro - Ilú/RS

Projeto:	Escala:	Data:
Planta de forma pav. terreno detalhamento de vigas da rampa	1:50	Agosto de 2013
Responsável Técnico:	Gratificação: Roque Ottonelli	

Proprietário: ROQUE OTTONELLI DALLMANS
CREANS 18391

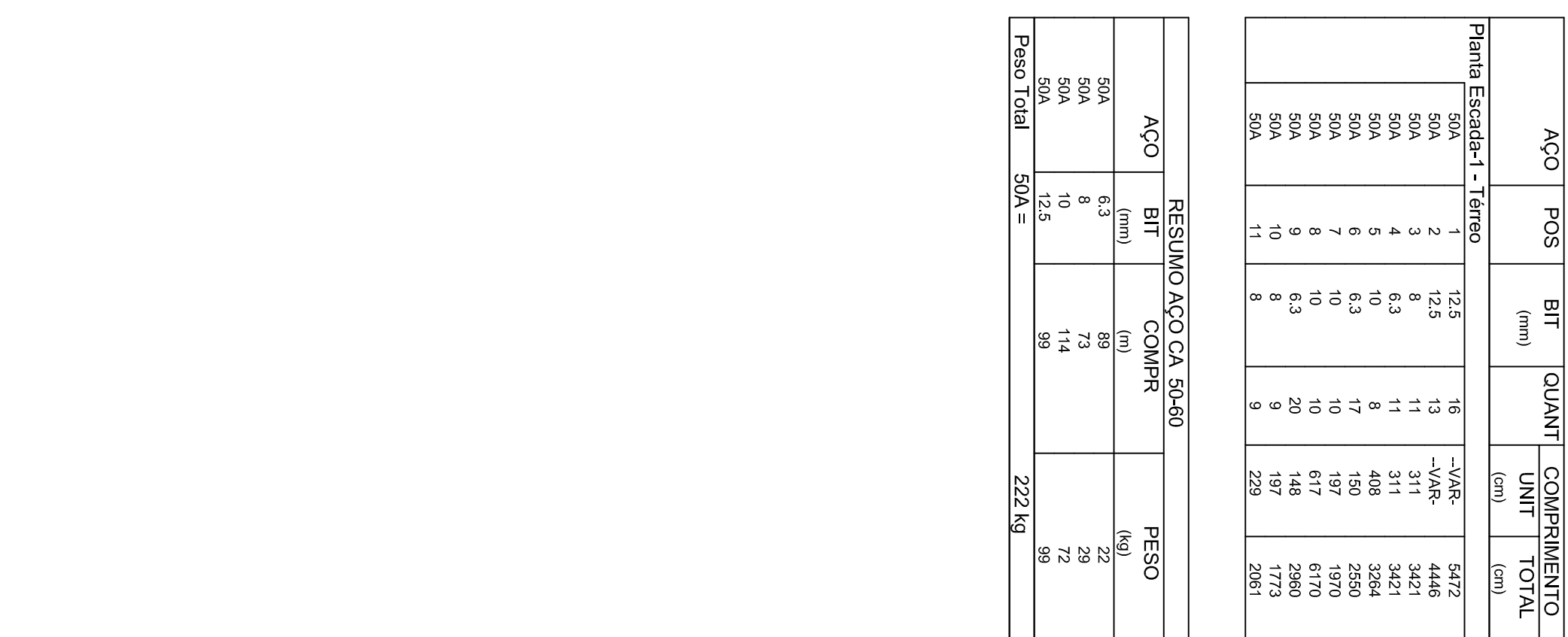
Proprietário: Município de Ilú Poder Executivo

PRANCHA 07

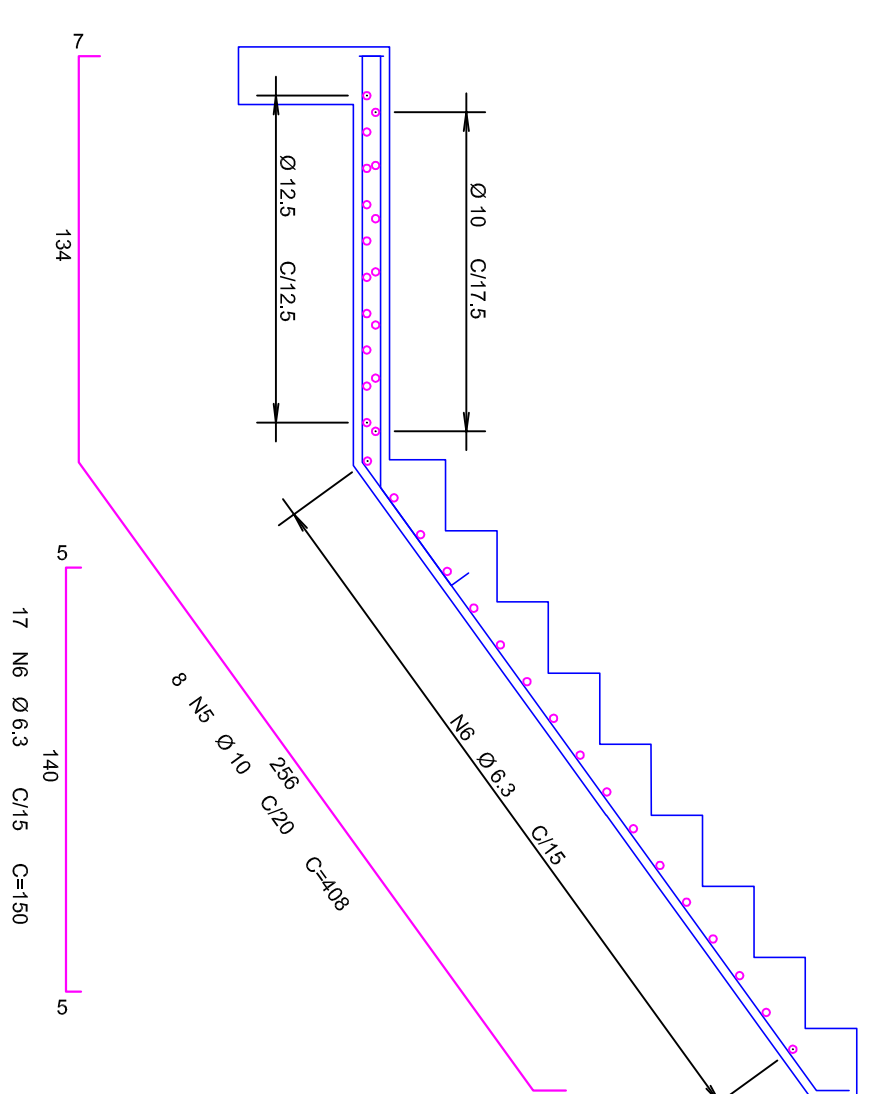
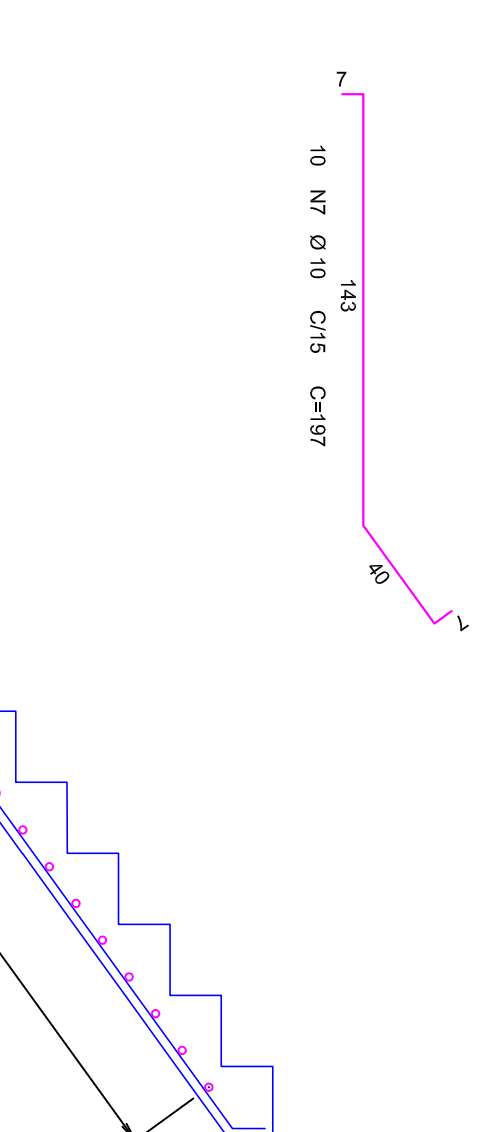
ÍÇO	POS	BIT (mm)	QUANT	COMP/COMPENUTO
			UNIT	TOTAL
			(con)	(con)
Planta Escada-1 - Tatuoso				
50A	1	12,5	16	5472
50A	2	12,5	13	-VAR-
50A	3	12,5	11	4446
50A	4	8	11	311
50A	5	10	8	342
50A	6	10	8	408
50A	7	6,3	10	3254
50A	8	6,3	17	2650
50A	9	10	197	150
50A	10	10	197	1970
50A	11	10	197	150
50A	12	6,3	20	146
50A	13	8	9	2280
50A	14	8	9	197
50A	15	8	9	173
50A	16	8	9	229
50A	17	8	9	2061

RESUMO AÇO CA 50-60						
AÇO	POS	BIT (mm)	QUANT	COMPONENTO UNIT	TOTAL	
				(cm)	(cm)	
Planta Escada-1 - Férreo						
50A	1	12,5	16	-VAR-	5452	
50A	2	12,5	13	-VAR-	4446	
50A	3	8	11	3117	3621	
50A	4	8	8	3117	3621	
50A	5	8	8	3117	3621	
50A	6	6,3	17	150	2650	
50A	7	10	10	197	1970	
50A	8	10	10	617	6170	
50A	9	6,3	20	48	2880	
50A	10	8	20	147	1470	
50A	11	8	9	229	2291	

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
50A	6,3	89	22
50A	8	73	29
50A	10	114	72
50A	12,5	99	99
Peso Total 50A =			222 kg



AÇO		POS	BIT	QUANT	COMPRIMENTO	UNIT	TOTAL
			(mm)		(cm)		(cm)
Planta Escada-1 - Tábua							
50A	1	12,5	16	13	1446	5472	
50A	2	9,25	11	10	3421	3421	
50A	3	6,3	8	7	1710	1710	
50A	4	6,3	11	11	3111	3421	
50A	5	10	8	8	408	3264	
50A	6	6,3	17	150	2550	2550	
50A	7	10	11	10	1170	1170	
50A	8	10	10	617	6170	6170	
50A	9	6,3	20	148	2960	2960	
50A	10	8	9	197	1773	1773	
50A	11	8	9	229	2061	2061	
RESUMO AÇO CA 50-60							
AÇO	BIT	COMPR	PESO				
	(mm)	(m)	(kg)				
60A	6,3	73	20				
50A	8	114	72				
50A	10	99	22				
50A	12,5	99	99				
Peso Total			222 kg				

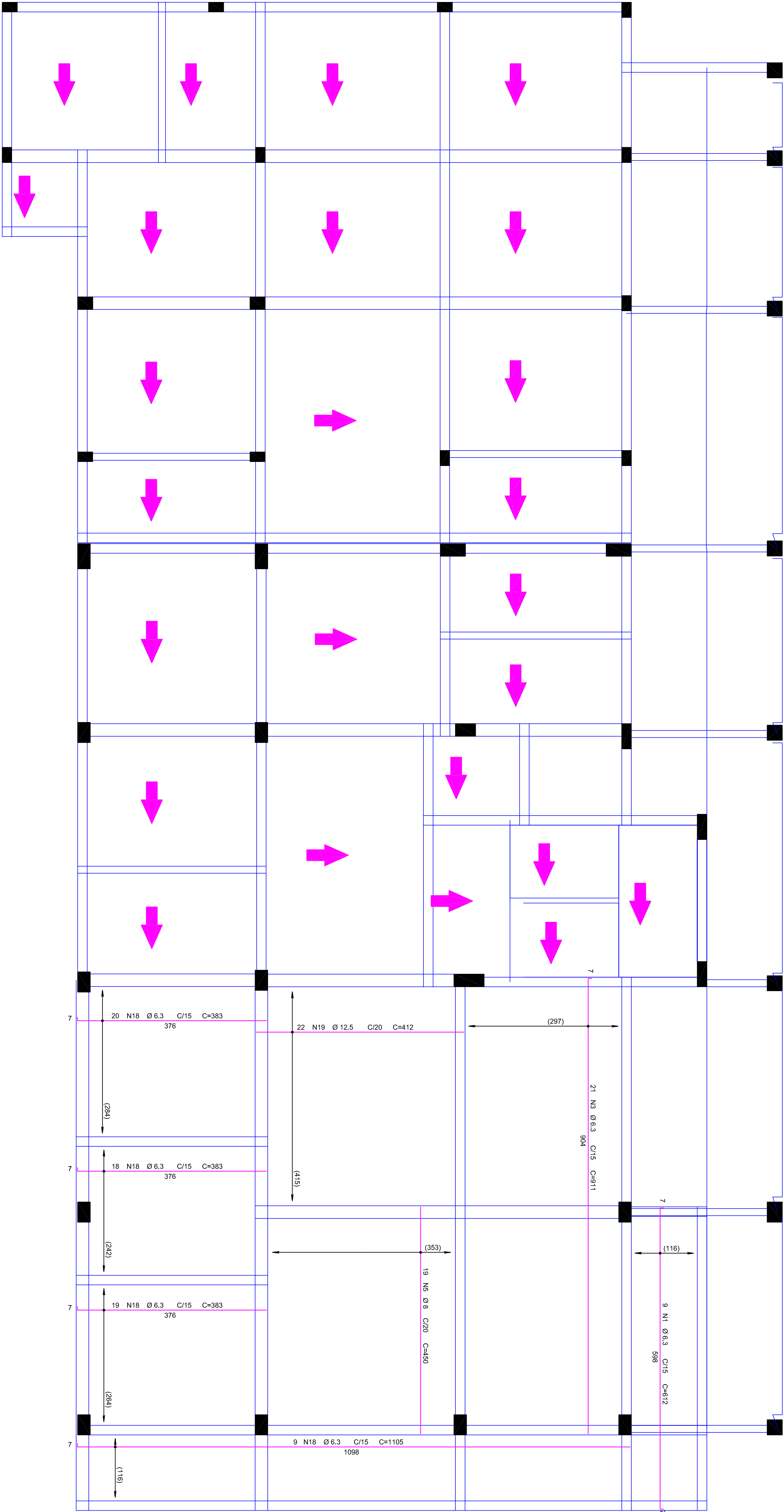


AÇO	POS	BIT (mm)	QUANT	COMPONENTO	
				UNIT	TOTAL
Térreo - Armadura positiva horizontal					
50A	1	6,3	9	612	5508
50A	3	6,3	21	911	19131
50A	5	8	19	450	8660
50A	18	6,3	66	363	25278
50A	19	12,5	22	412	9064

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (m)	PESO	
50A	6,3	466	14	25
50A	8	91	12,5	91
Peso Total 50A =			250 kg	

Térreo - Armadura positiva horizontal

1x





CENTRAL DE PROJETOS

Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Floriano Peixoto - 436, Centro - Ijuí / RS

Proprietário: Município de Ijuí Poder Executivo
Obra: Estabelecimento de Saúde da Família do Meio Rural
Local: Rua São Paulo - Centro - Ijuí-RS

Projeto:	Escala:	Data:
Planta de forma pav. térreo armadura positiva horizontal	1:50	Agosto de 2013

Responsável Técnico:	
ROQUE R OTTONELLI DAUMAS CREA-RS 183791	

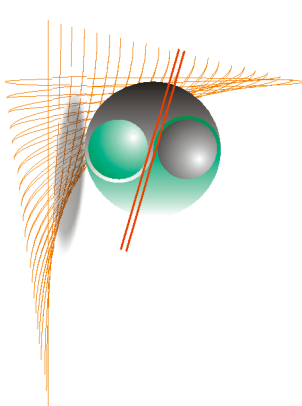
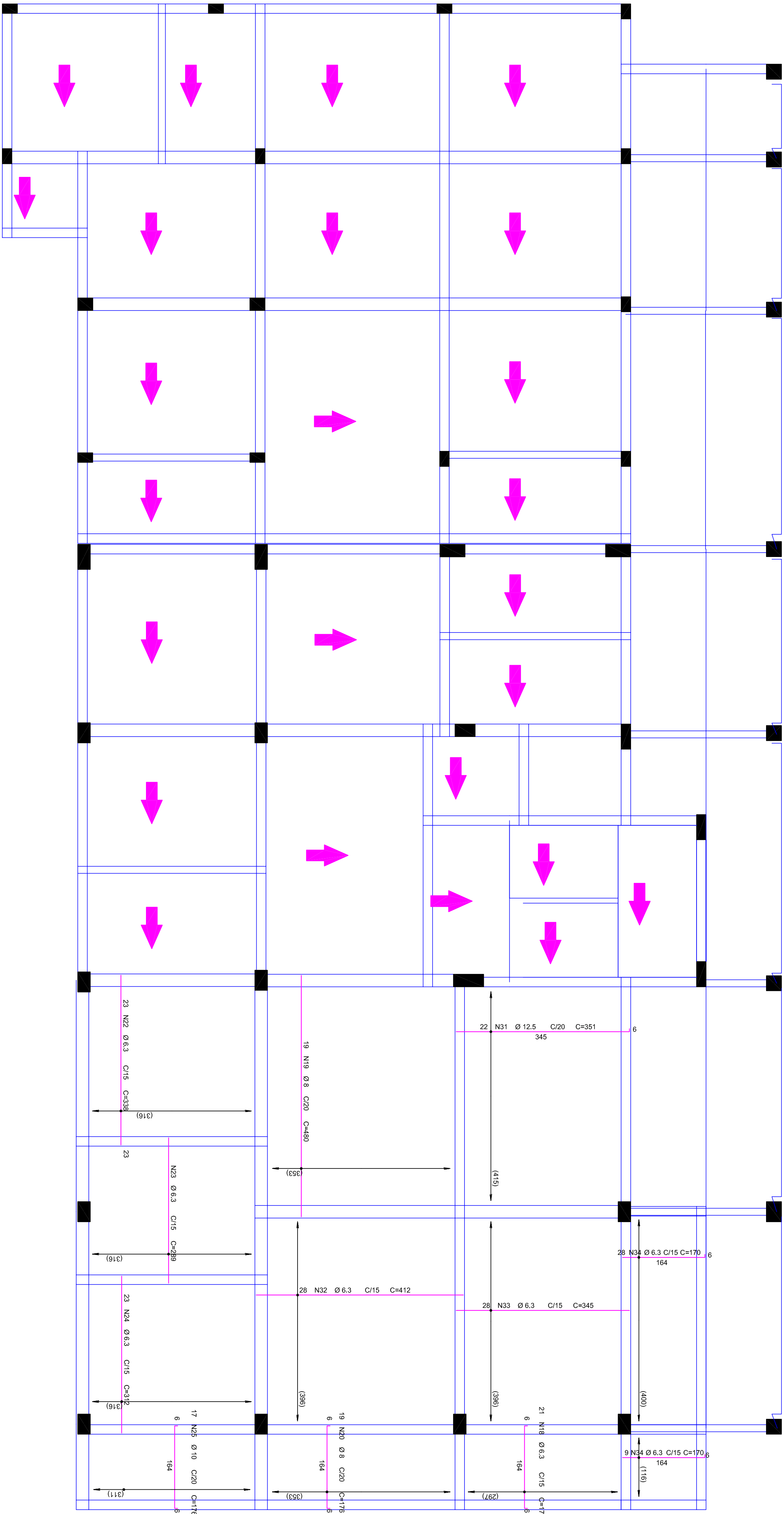
Proprietário:	
Município de Ijuí Poder Executivo	

				COMPONENTE	
AÇO	FOS	BIT (mm)	QUANT.	UNIT (cm)	TOTAL (cm)
Térreo - Armadura positiva vertical					
50A	18	6.3	21	176	3696
50A	19	8	19	480	9120
50A	20	8	19	176	3344
50A	22	6.3	23	288	6647
50A	23	6.3	23	288	6647
50A	24	6.3	23	312	7176
50A	25	10	17	176	2992
50A	31	12.5	22	351	7722
50A	32	6.3	28	442	11536
50A	33	6.3	28	346	9680
50A	34	6.3	37	170	6290

RESUMO AÇO CA 50-60				
AÇO	BIT (mm)	COMPR (m)	PESO	
50A	6.3	528	132	
50A	8	125	50	
50A	12.5	77	90	
Peso Total 50A =			278 kg	

Térreo - Armadura positiva vertical

1x



CENTRAL DE PROJETOS
Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Floriano Peixoto - 436, Centro - Ijuí / RS

Proprietário: Município de Ijuí Poder Executivo
Obra: Estabelecimento de Saúde da Família do Meio Rural
Local: Rua São Paulo - Centro - Ijuí-RS

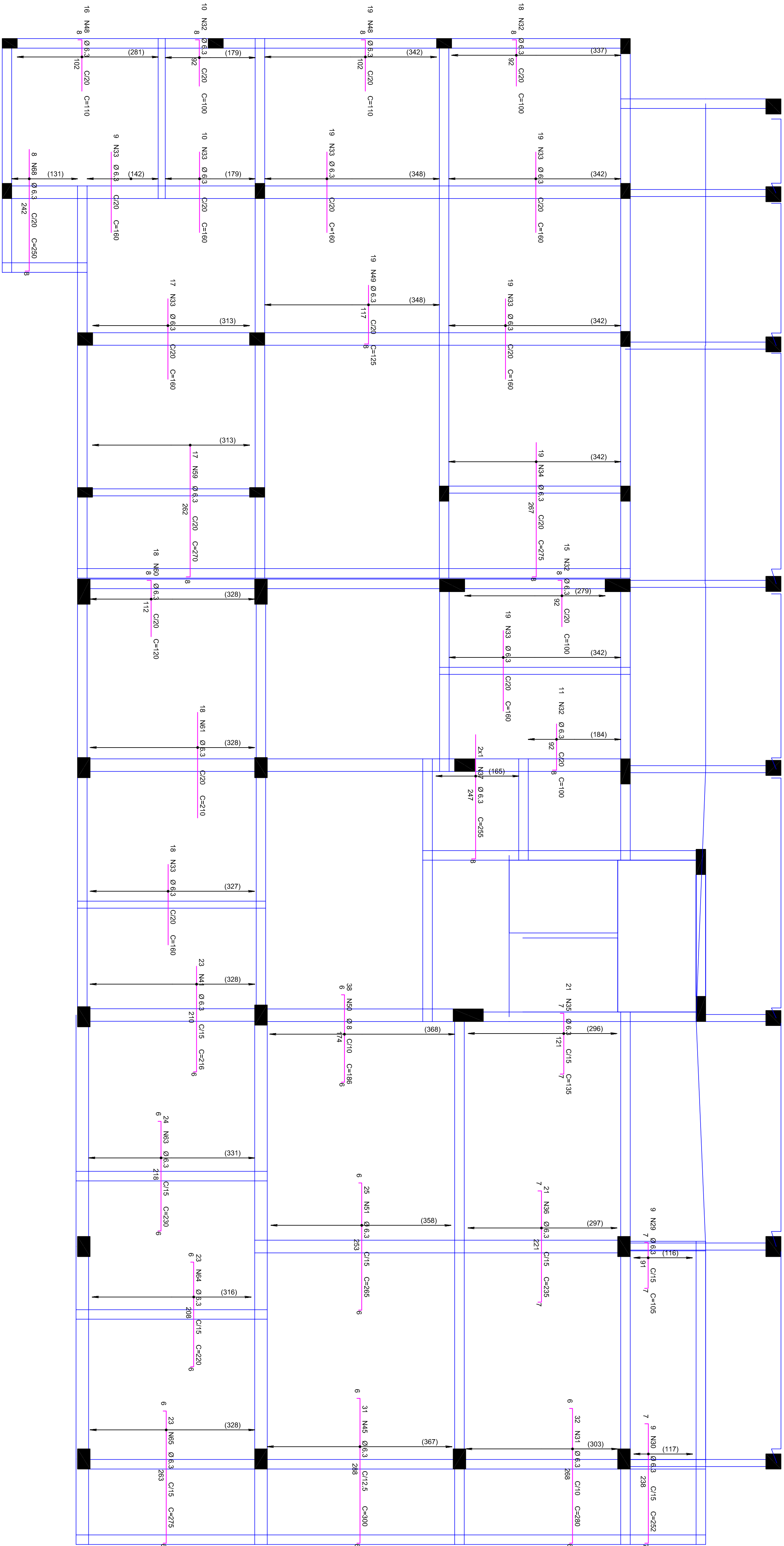
Projeto:	Escala:	Data:
Planta de forma pav. térreo armadura positiva vertical	1:50	Agosto de 2013

Responsável Técnico:	T 13
ROQUE R OTTONELLI DALMAS CREANS 183791	

Proprietário:	11
Município de Ijuí Poder Executivo	

Térreo - Armadura negativa horizontal

1x



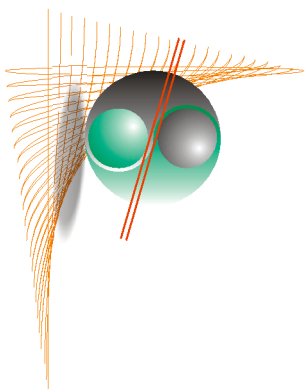
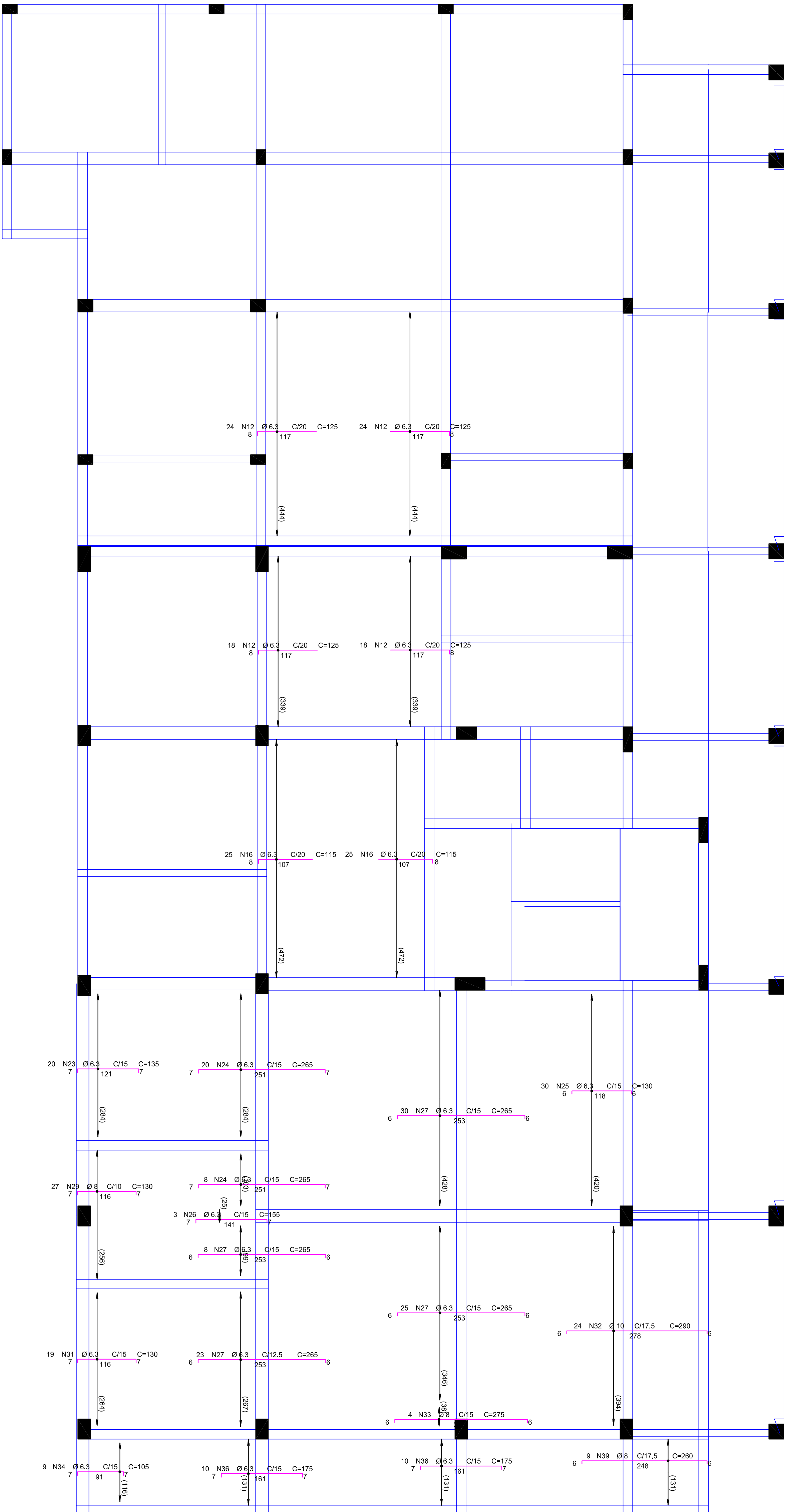
AÇO	POS	BIT	QUANT	COMPRIMENTO
		(mm)	UNIT	TOTAL
		(cm)	(cm)	(cm)
Térreo - Armadura negativa horizontal				
50A	29	6.3	9	105
50A	30	6.3	252	945
50A	31	6.3	266	8860
50A	32	6.3	130	1660
50A	33	6.3	130	1660
50A	34	6.3	19	275
50A	35	6.3	21	135
50A	36	6.3	21	2635
50A	37	6.3	21	2635
50A	38	6.3	23	216
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50A	45	6.3	31	9300
50A	48	6.3	35	110
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50A	310	6.3	23	275
50A	311	6.3	23	275
50A	312	6.3	23	275
50A	313	6.3	23	275
50A	314	6.3	23	2

AÇO	POS	BIT (mm)	QUANT	COMPONENTO	
				UNIT	TOTAL
Torno - Amadora negativa vertical					
50A	12	6,3	84	125	10500
50A	16	6,3	84	115	6750
50A	23	6,3	20	135	2700
50A	24	6,3	28	265	7420
50A	25	6,3	30	155	4650
50A	27	6,3	3	155	4650
50A	27	6,3	86	265	22790
50A	29	8	27	130	3510
50A	31	6,3	19	130	2470
50A	32	10	24	260	6680
50A	34	6,3	9	145	4125
50A	34	6,3	9	175	5065
50A	36	6,3	20	175	3500
50A	39	8	9	260	2340

RESUMO AÇO CA 50-60			
AÇO	BIT	COMPR	PESO
	(mm)	(m)	(kg)
50A	6,3	604	151
50A	8	70	28
50A	10	70	44
Peso Total	50A =		223 kg

Térreo - Armadura negativa vertical

1x



CENTRAL DE PROJETOS

Projetos Arquitetônicos / Elétricos / Hidrossanitários
Projetos Visuais / Interiores / Paisagismo

Rua Floriano Peixoto - 436, Centro - Ijuí / RS

Proprietário:	Município de Ijuí Poder Executivo
Obra:	Estabelecimento de Saúde da Família do Meio Rural
Local:	Rua São Paulo - Centro - Ijuí-RS

Local: Rua São Paulo - Centro - Ijuí-RS

Rua São Paulo - Centro - Ijuí-RS

Projeto:	Escala:	Data:
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Planta de forma pav. térreo detalhamento de vias	1:50	5	Gratificação: Roque Ottonelli
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Responsável Técnico:

ROQUE R OTTONELLI DALMAS
CREA/RS 193781

Proprietário:

Municipio de Ijuí Poder Executivo