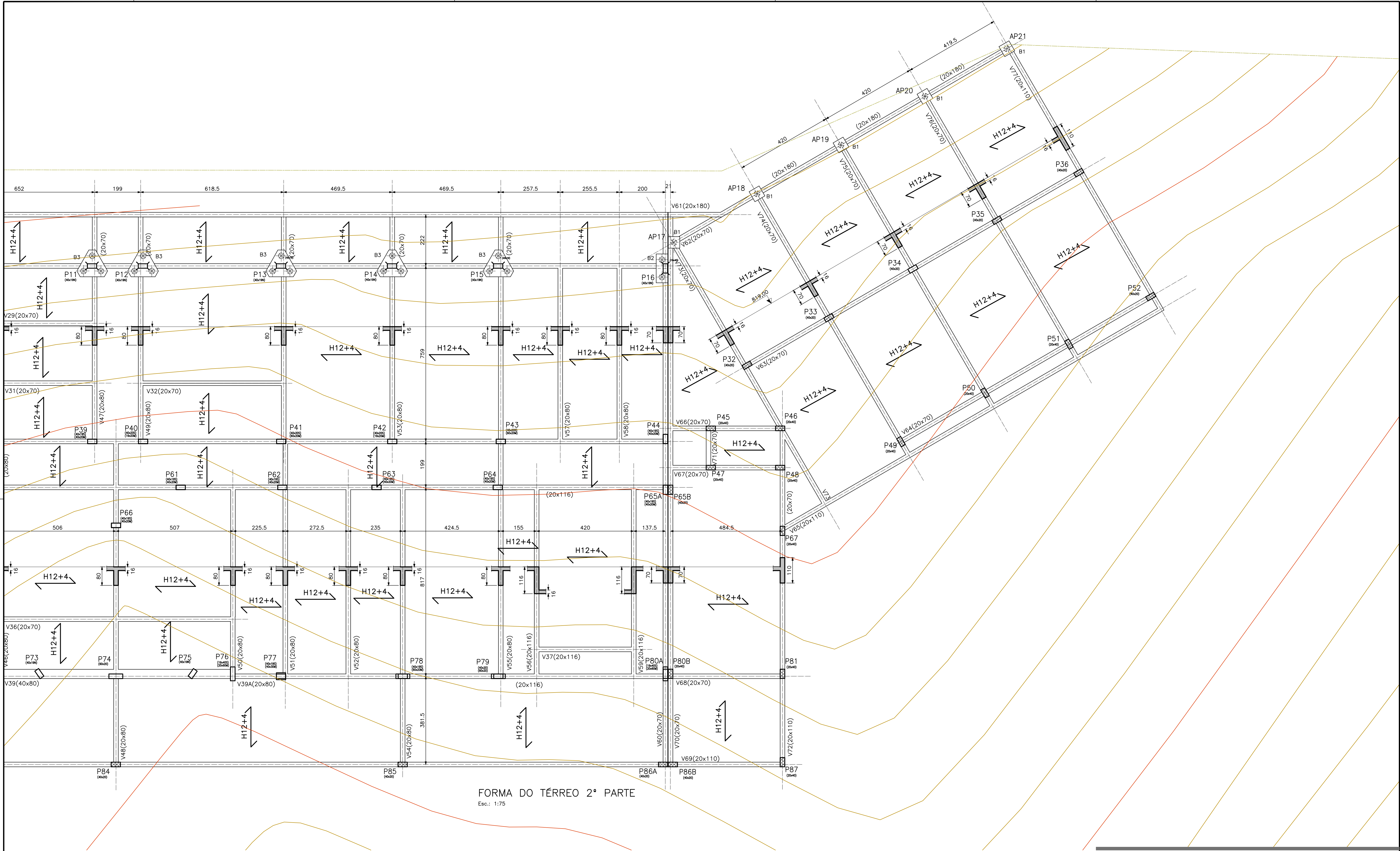
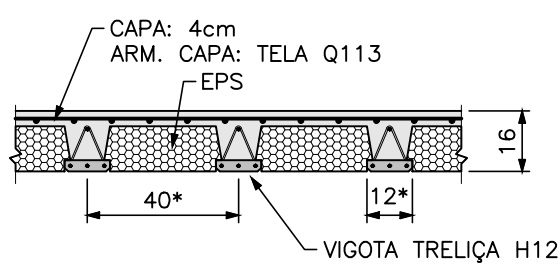
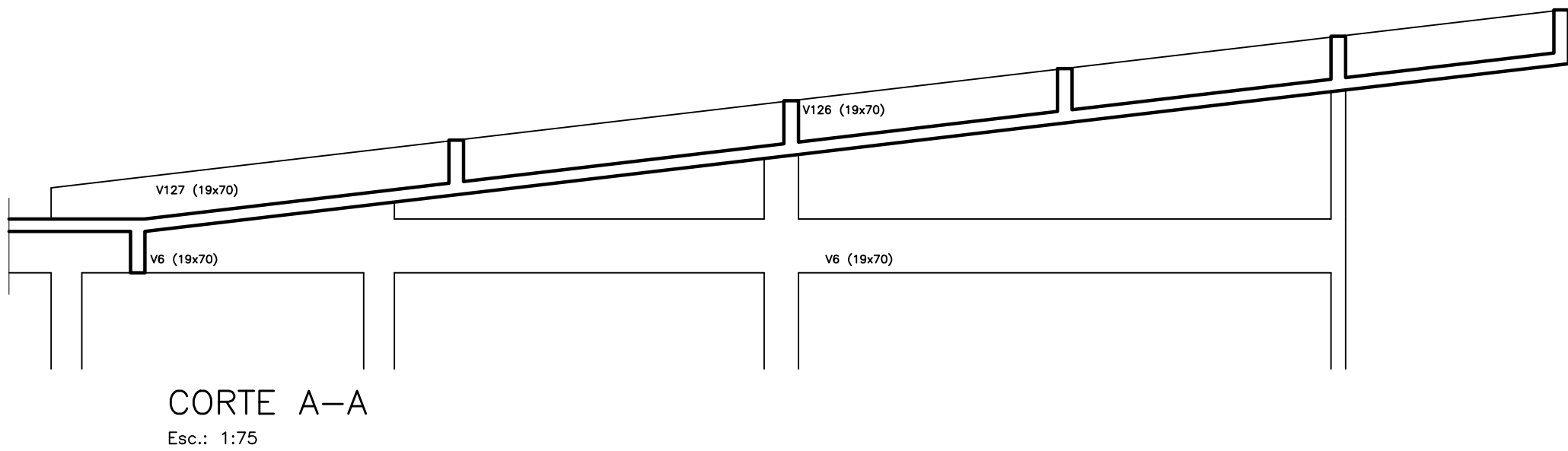
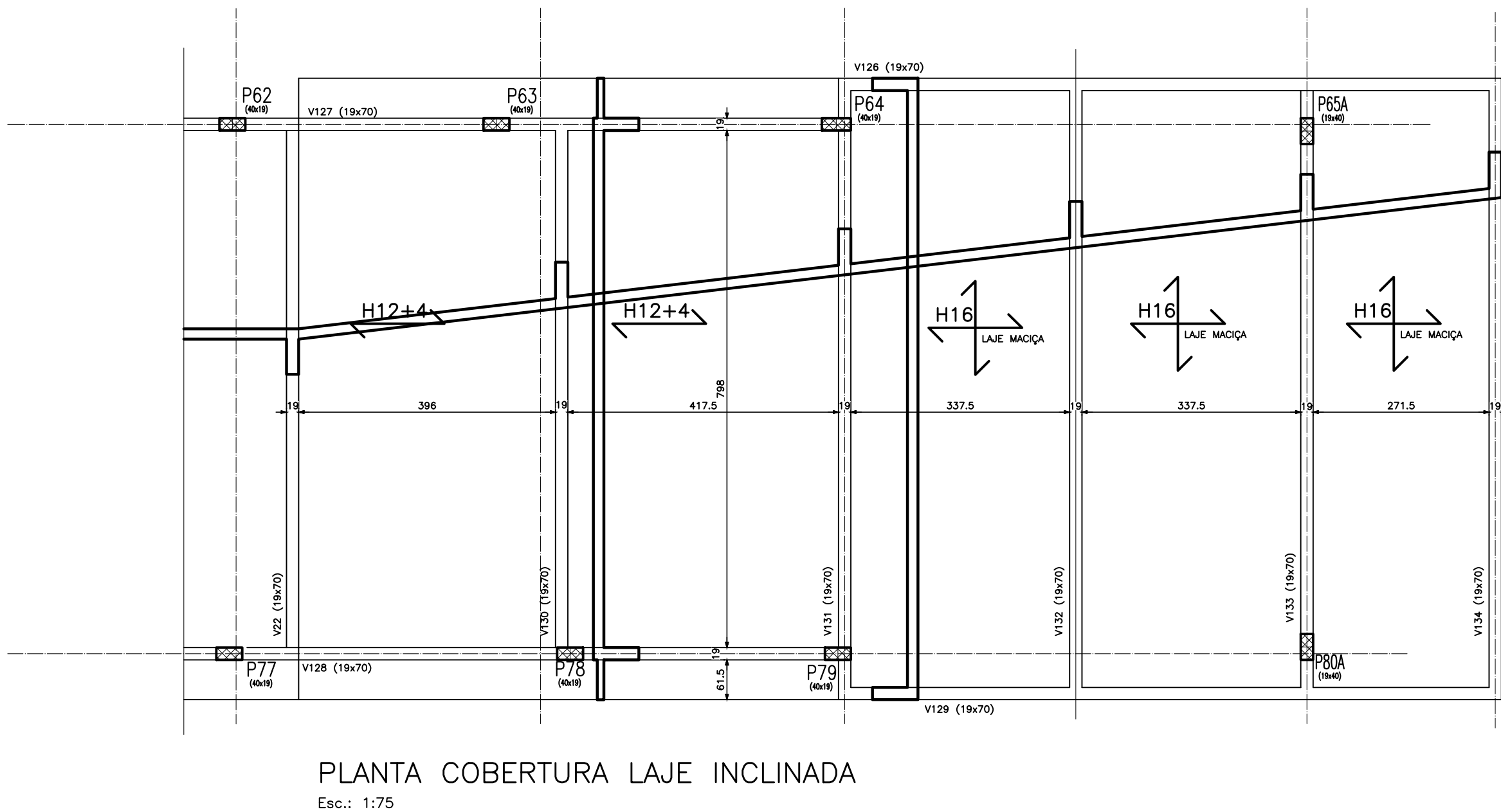
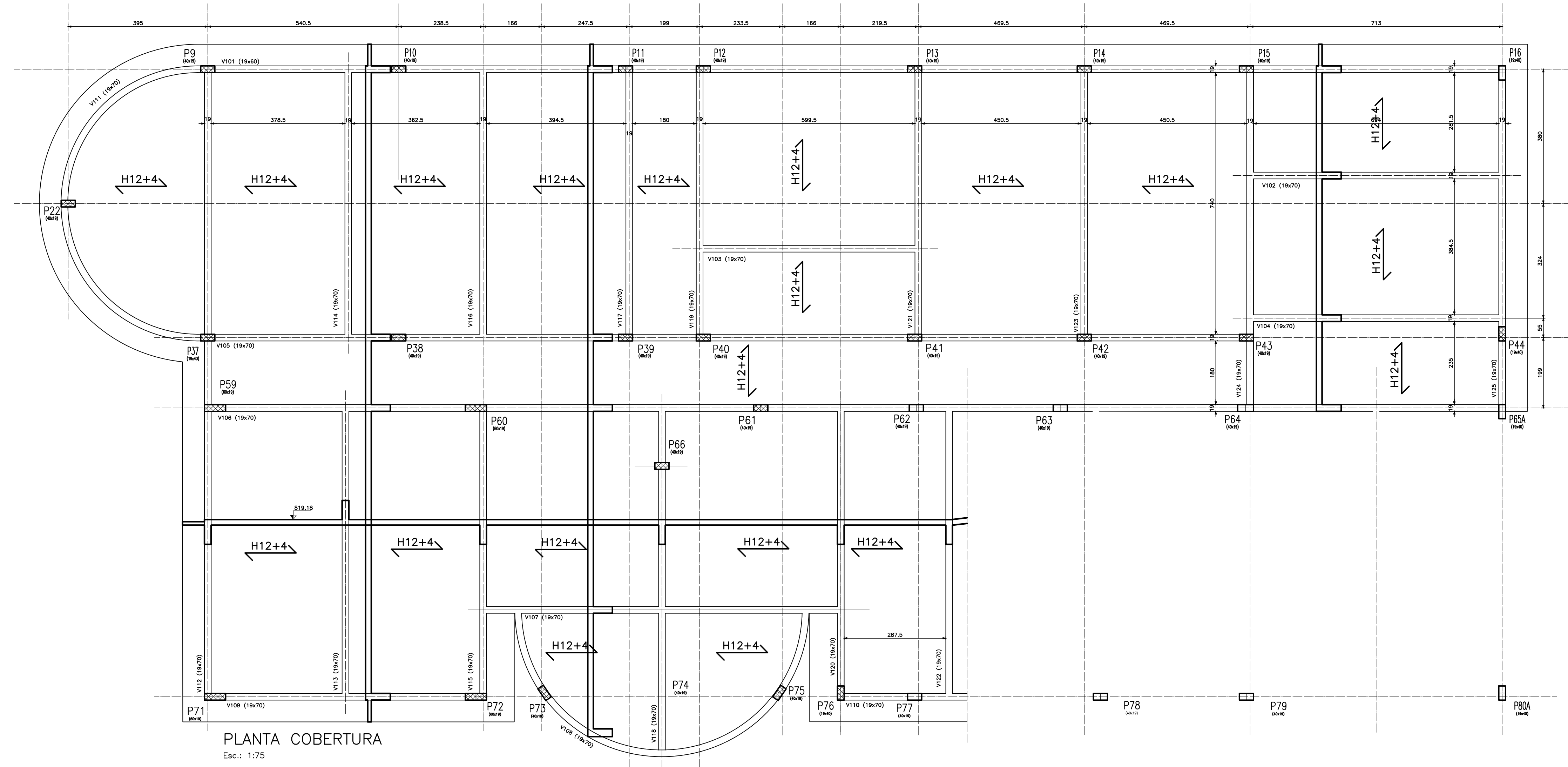


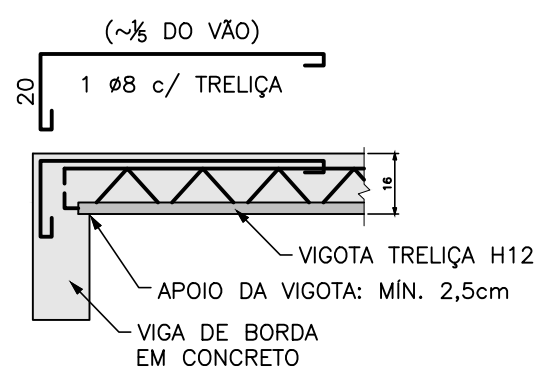


FORMA DO TÉRREO 2ª PARTE
Esc.: 1:75

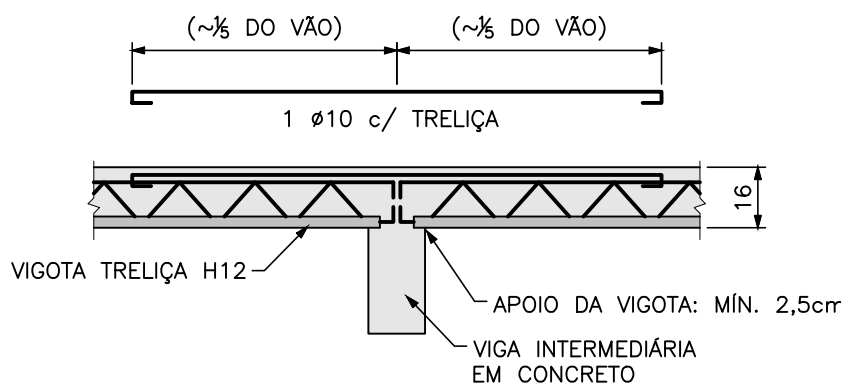
- NOTAS:
1. CONCRETO fck 30MPa.
 2. MEDIDAS EM CENTÍMETROS.
 3. COBRIMENTO PARA BLOCOS E BALDRAMES: 4,0cm.
 4. NÍVEL DE REFERÊNCIA: VER PROJETO DE ARQUITETURA
 5. FUNDAÇÃO DE ACORDO COM PARECER TÉCNICO



SEÇÃO TÍPICA DA LAJE
OBS.: AS MEDIDAS ASSINALADAS (*) PODEM VARIAR DE ACORDO COM O FORNECEDOR



DET. DO APOIO SEM CONTINUIDADE



DET. DO APOIO COM CONTINUIDADE

COMPOSIÇÃO DE CARGAS

SOLICITAÇÃO	PISO NORMAL
PESO PRÓPRIO	190 kgf/m ²
REVESTIMENTOS	120 kgf/m ²
SOBRECARGA	300 kgf/m ²
TOTAL	610 kgf/m ²

DET. TÍPICOS DAS LAJES PRÉ-MOLDADAS TRELIÇAS H12+4
Esc.: 1:20

NOTAS:

1. CONCRETO fck 30MPa.
2. MEDIDAS EM CENTÍMETROS.
3. COBRIMENTO PARA BLOCOS E BALDRAMES: 4,0cm.
4. NÍVEL DE REFERÊNCIA: VER PROJETO DE ARQUITETURA
5. FUNDAÇÃO DE ACORDO COM PARECER TÉCNICO

REALIZAÇÃO



PROJETO

TEA DIADEMA

LOCAL

RUA MANOEL DA NÓBREGA, 889 - CENTRO - DIADEMA/SP

FASE DO PROJETO

Projeto Executivo

ÁREA TÉCNICA

ESTRUTURA

PLANTA DE FORMAS - COBERTURA

DATA

NOV/2025

REVISÃO

R00

ESCALA

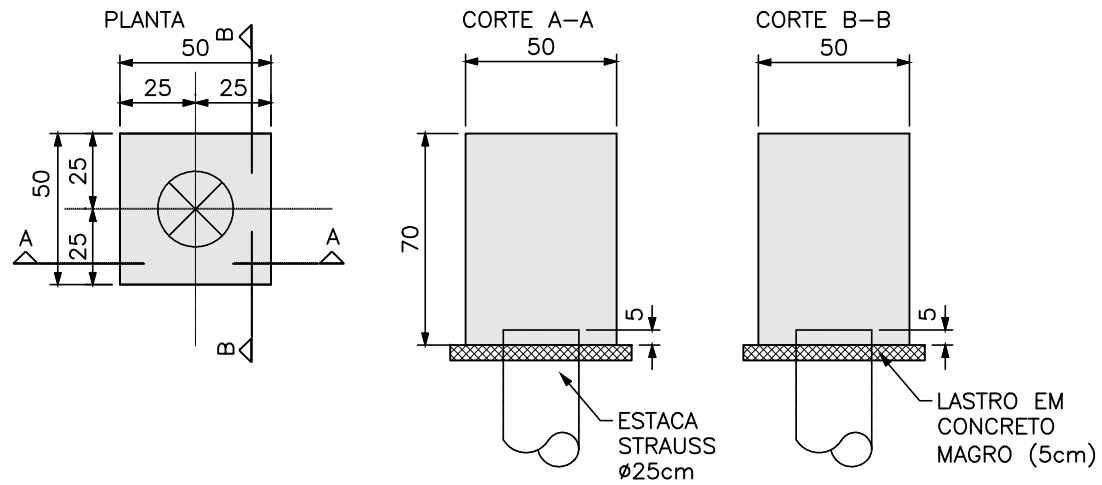
INDICADA

FOLHA Nº

FL-09

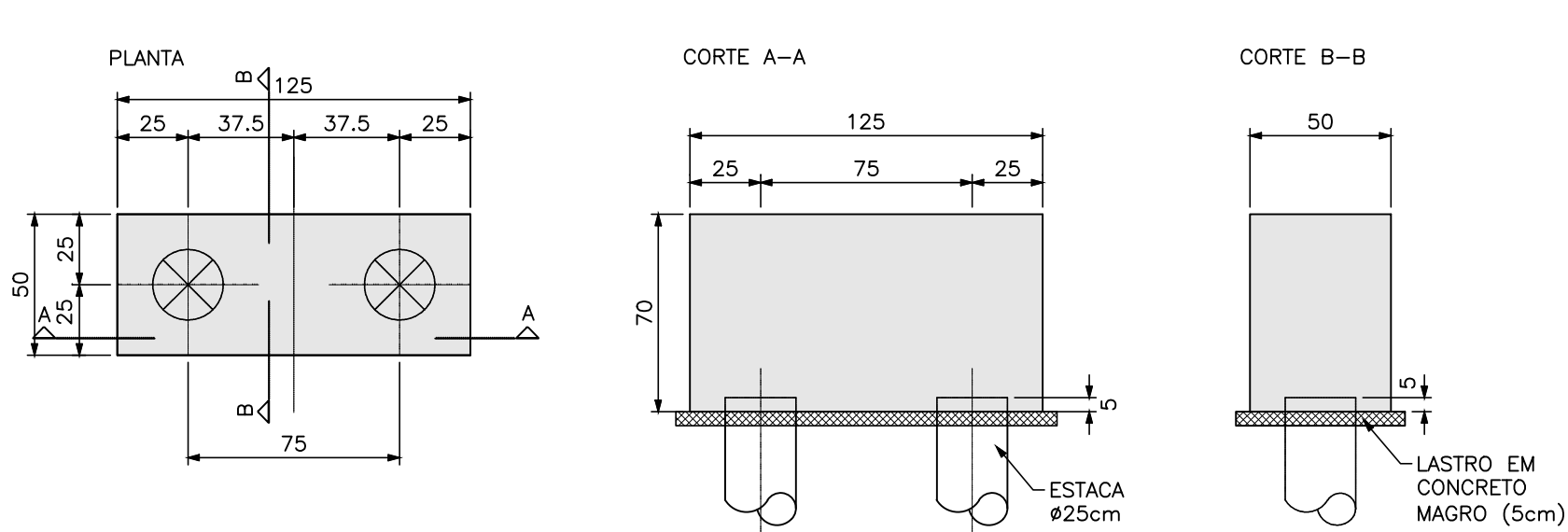
ARM. DO BLOCO B1 (28x)

ESC. 1:25



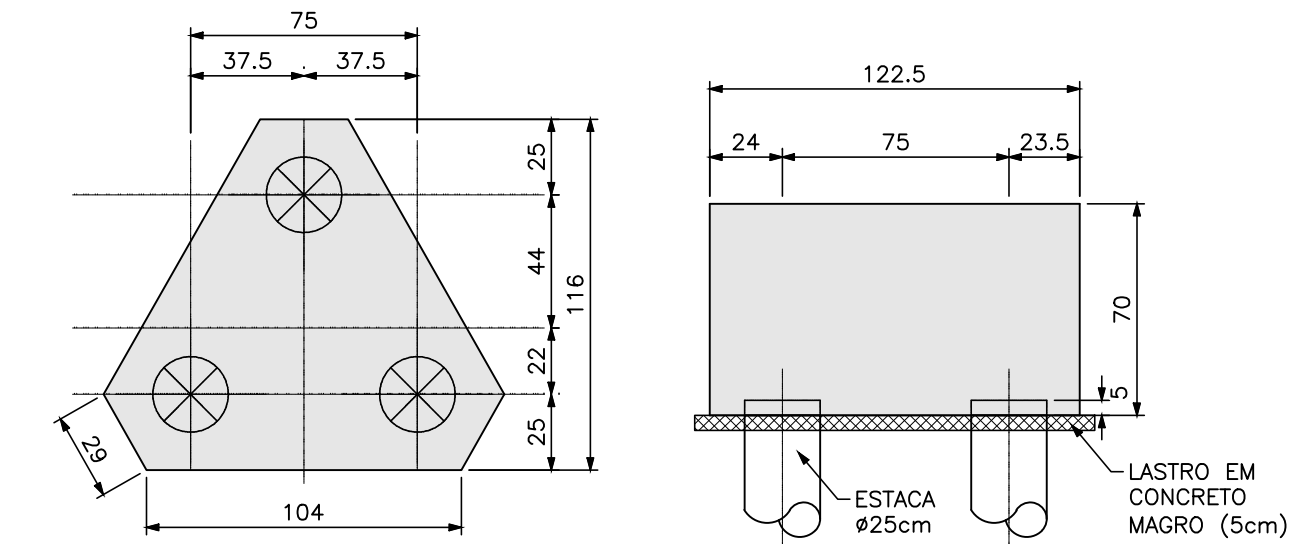
FORMA DO BLOCO B2 (48x)

ESC. 1:25



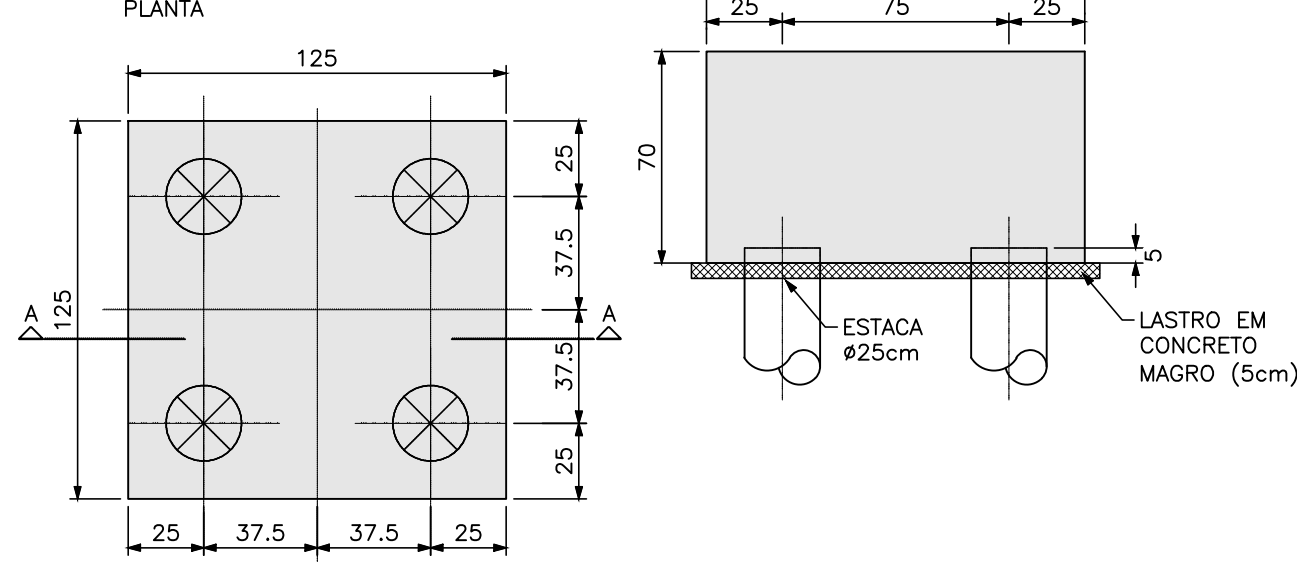
FORMA BLOCOS TIPO B3 (24x)

ESC.: 1:25



FORMA BLOCOS B4(3x)

ESC.: 1:25



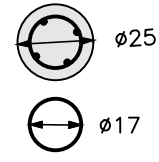
ARM. DAS ESTACAS
HÉLICE CONTINUA Ø250mm (208x)

ESC. 1:25

CAPACIDADE DAS ESTACAS: 250kN

NOTA: O TIPO E AS ESPECIFICAÇÕES DA FUNDAÇÃO DEVERÃO SER VERIFICADOS APÓS A EXECUÇÃO DE SONDAGENS

CORTE
Esc.: 1:12,5

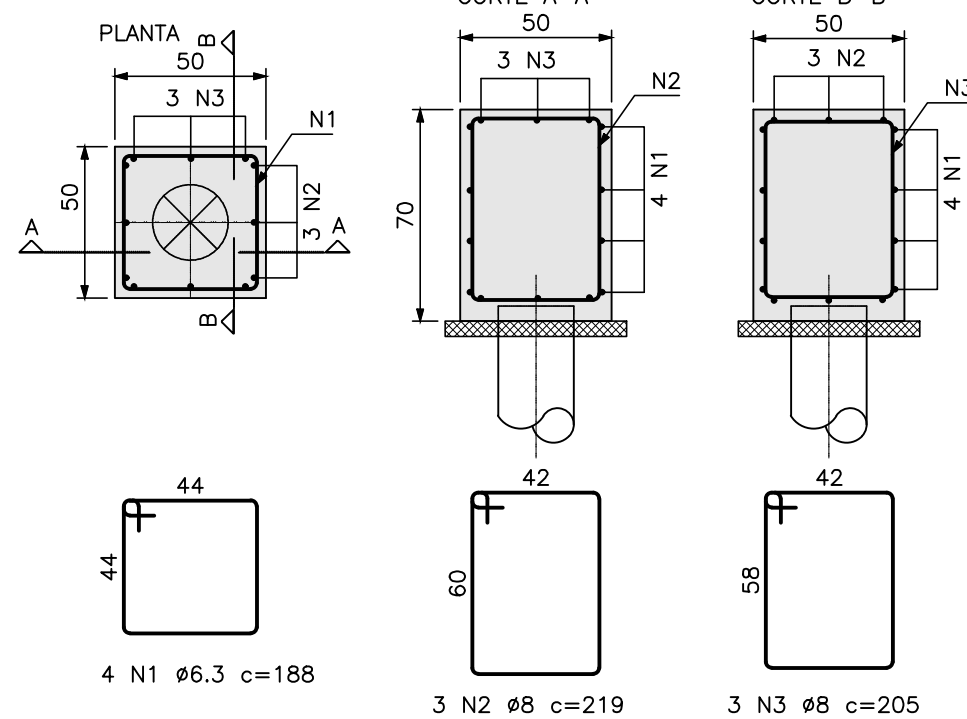


1 N2 Ø6.3 c=2565
ESTRIBO HELICOIDAL
PASSO 20cm

TABELA DE FERROS					
TIPO	POS.	BIT.	QUANT.	Q.Tot.	C.Unl. (cm)
ARM. MICROESTACAS Ø250mm (208X)					
CA-50A	1	12.5	4	832	950
CA-50A	2	6.3	1	208	2565
RESUMO DO AÇO					
PESO CA-50A Ø6.3				5335.20 m	1333.80kg
PESO CA-50A Ø12.5				7904.00 m	7904.00kg
PESO TOTAL CA-50A					9237.80kg
PESO TOTAL					9237.80kg
CONCRETO fck 25MPa					

ARM. DO BLOCO B1 (28x)

ESC. 1:25



ARM. DO BLOCO B2 (48x)

ESC. 1:25

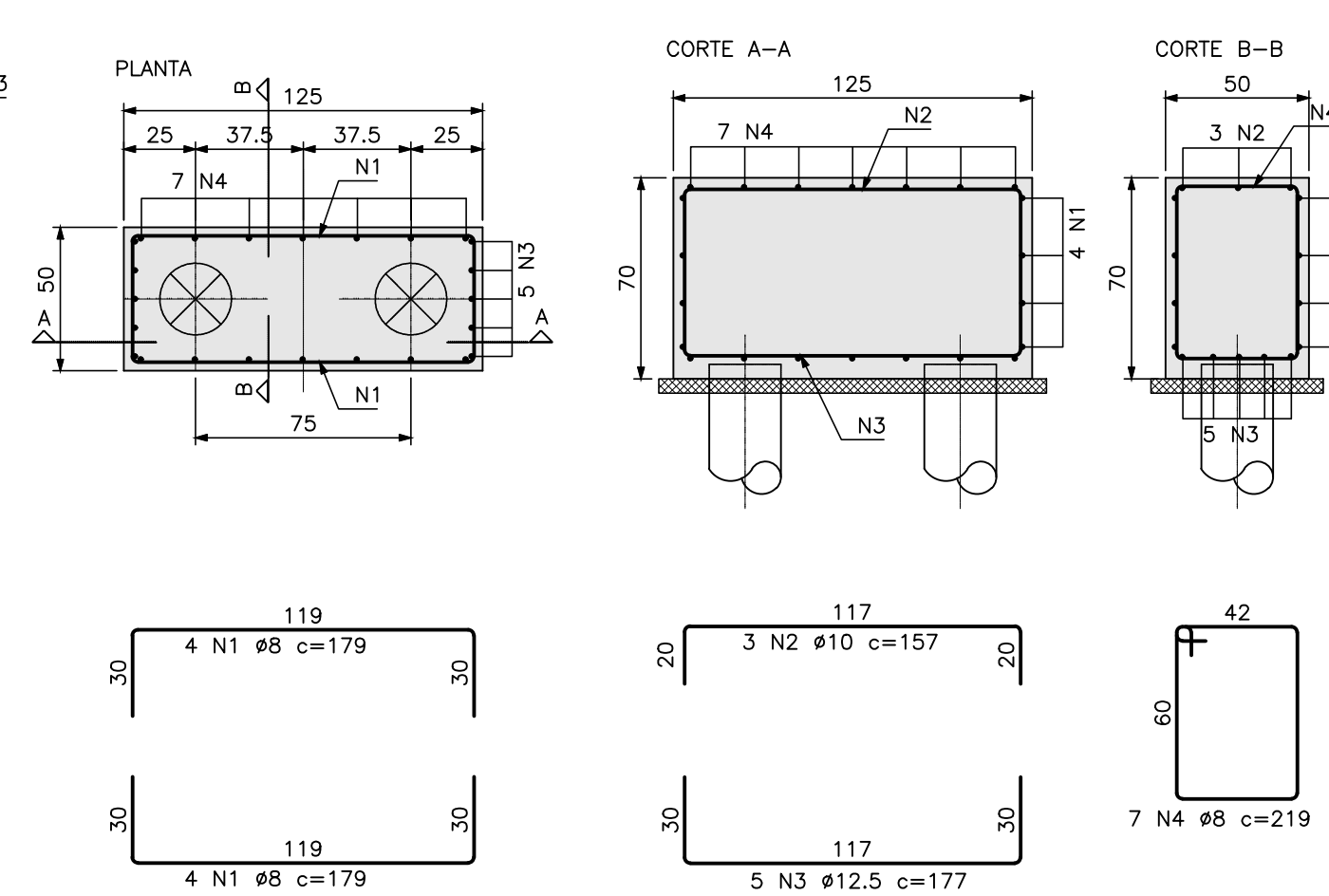
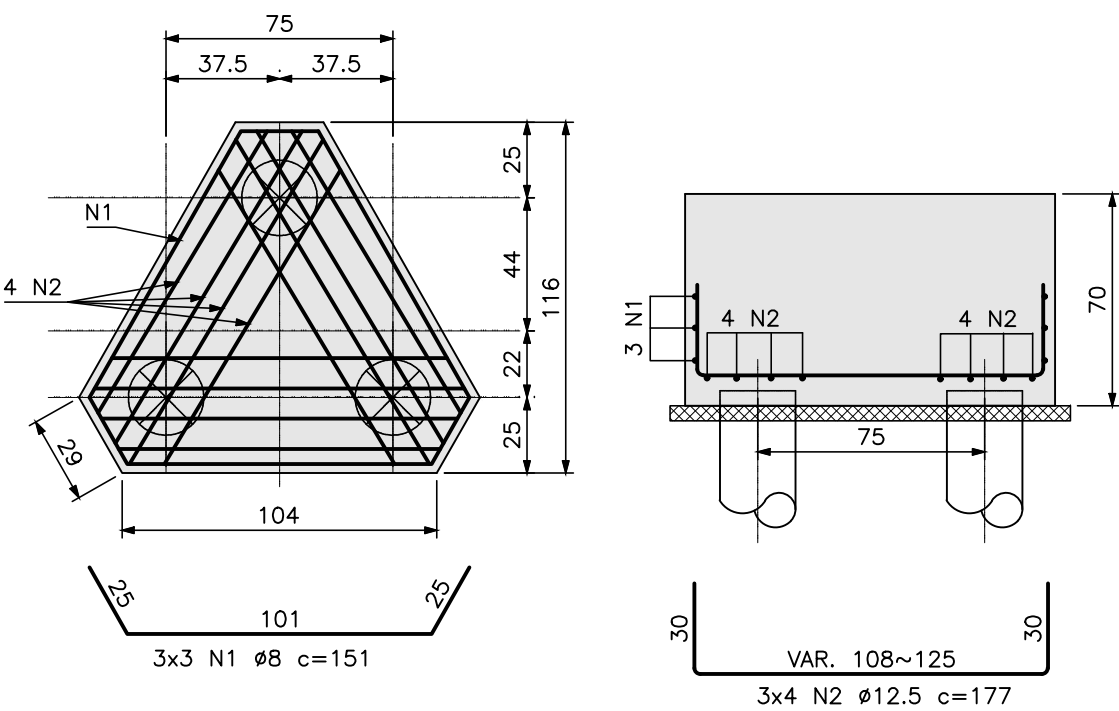


TABELA DE FERROS					
TIPO	POS.	BIT.	QUANT.	Q.Tot.	C.Unl. (cm)
ARM. DO BLOCO B1 (28x)					
CA-50A	1	6.3	4	112	188
CA-50A	2	8	3	84	219
CA-50A	3	8	3	84	205
ARM. DO BLOCO B2 (48x)					
CA-50A	1	8	4	192	179
CA-50A	2	10	3	144	157
CA-50A	3	12.5	5	240	177
CA-50A	4	8	7	336	219
ARM. DO BLOCO B3 (24x)					
CA-50A	1	8	9	216	151
CA-50A	2	12.5	12	288	177
ARM. DO BLOCO B4 (3x)					
CA-50A	1	10	16	48	237
CA-50A	2	8	8	24	265
RESUMO DO AÇO					
PESO CA-50A Ø 6.3				210.56 m	52.64 kg
PESO CA-50A Ø 8				1089.60 m	435.84 kg
PESO CA-50A Ø 10				339.84 m	215.00 kg
PESO CA-50A Ø 12.5				934.56 m	934.56 kg
PESO TOTAL CA-50A					1638.04 kg
CONCRETO fck 25MPa					

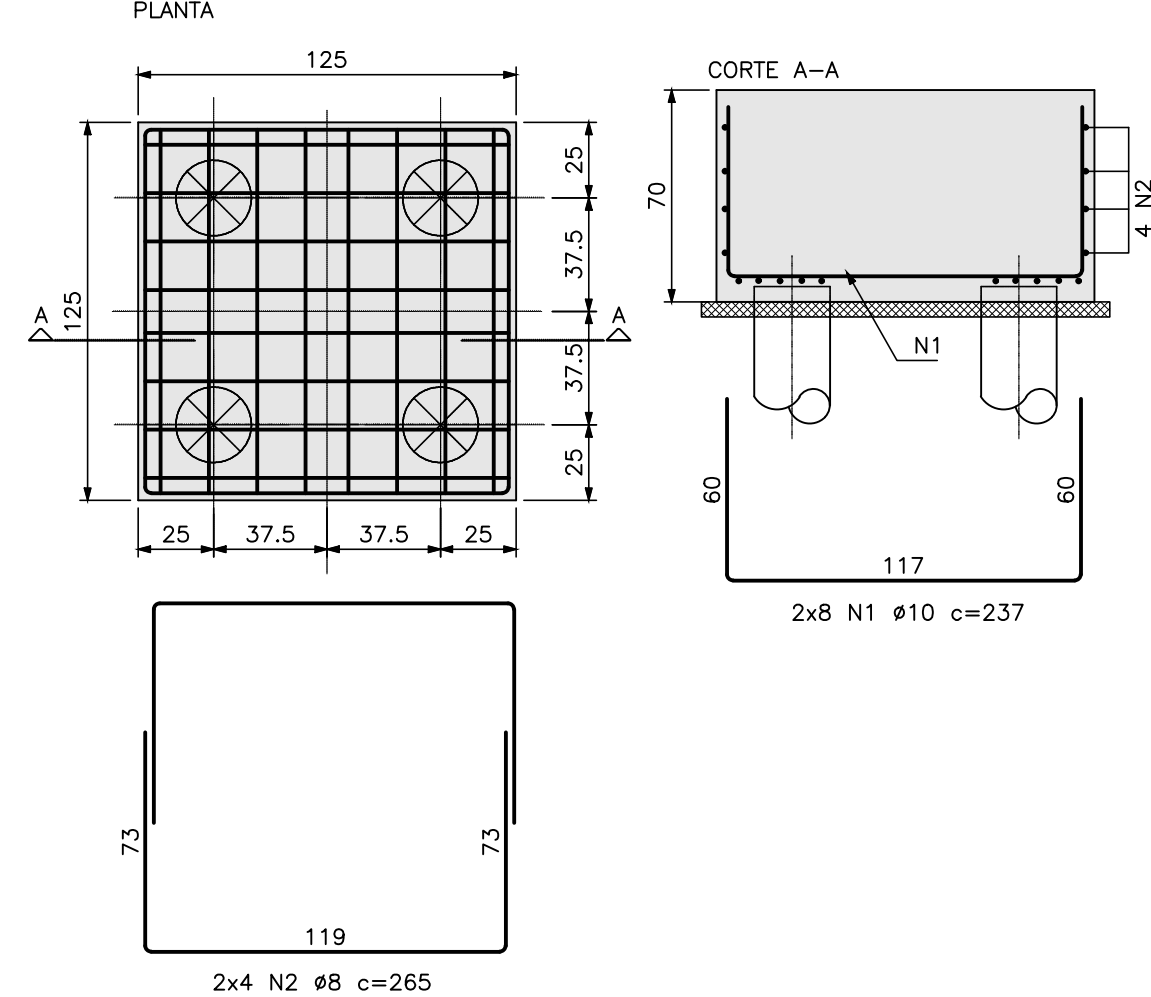
ARM. BLOCOS TIPO B3 (24x)

ESC.: 1:25



ARM. BLOCOS B4(3x)

ESC.: 1:25



ARM. DA COBERTURA LAJE INCLINADA

ESC. 1:50

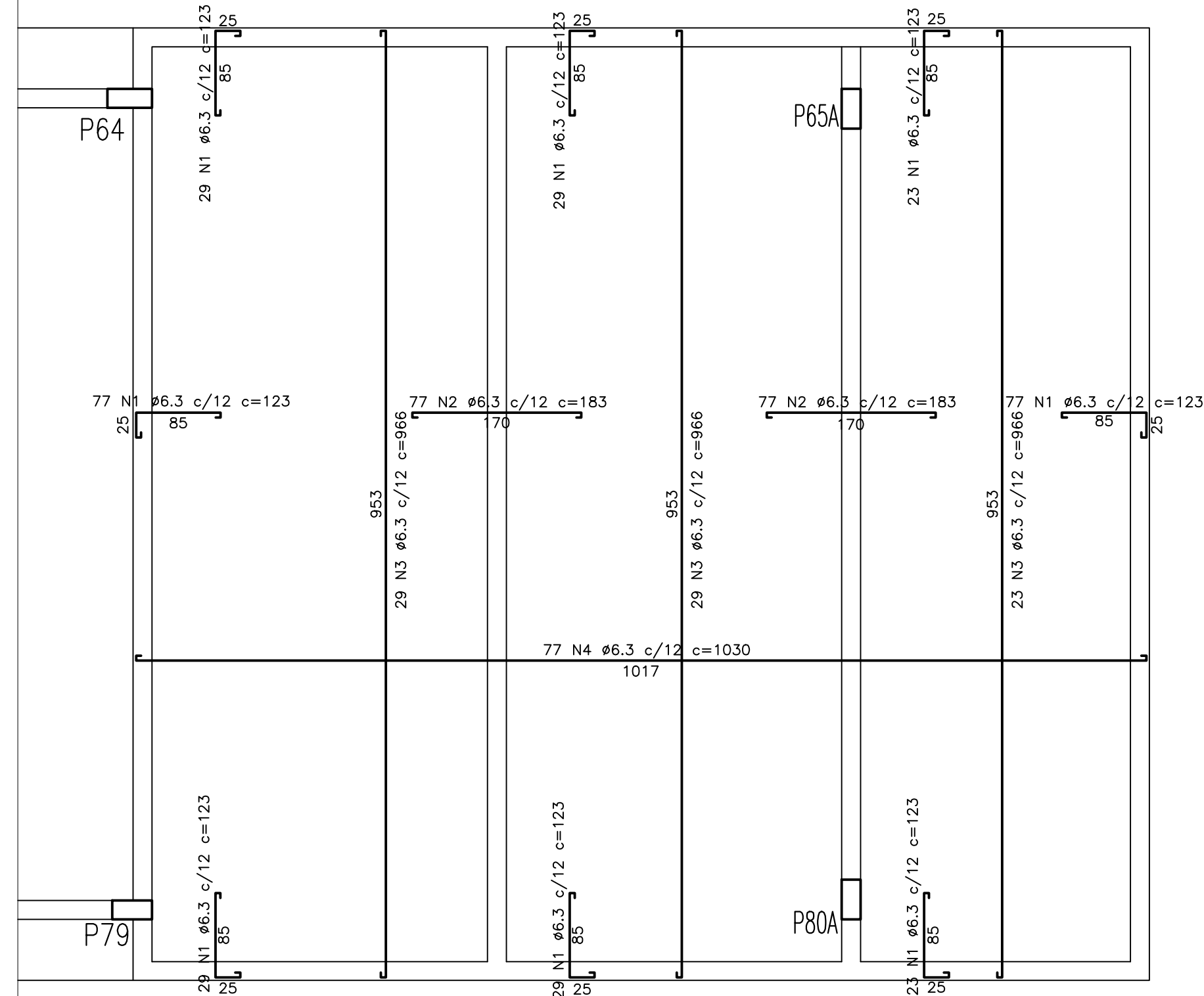


TABELA DE FERROS					
TIPO	POS.	BIT.	QUANT.	Q.Tot.	C.Unl. (cm)
ARM. DA COBERTURA LAJE INCLINADA					
CA-50A	1	6.3	96	96	123
CA-50A	2	6.3	154	154	183
CA-50A	3	6.3	81	81	966
CA-50A	4	6.3	77	77	1030
RESUMO DO AÇO					
PESO CA-50A Ø 6.3				1975.46 m	493.87 kg
PESO TOTAL CA-50A					493.87 kg
CONCRETO fck 25MPa					

NOTAS:

1. CONCRETO fck 30MPa.
2. MEDIDAS EM CENTÍMETROS.
3. COBRIMENTO PARA BLOCOS E BALDRAMES: 4,0cm.
4. NÍVEL DE REFERÊNCIA: VER PROJETO DE ARQUITETURA
5. FUNDAÇÃO DE ACORDO COM PARECER TÉCNICO

REALIZAÇÃO



PROJETO

TEA DIADEMA

LOCAL

RUA MANOEL DA NÓBREGA, 889 - CENTRO - DIADEMA/SP

FASE DO PROJETO

Projeto Executivo

ÁREA TÉCNICA

ESTRUTURA

TÍTULO

FORMA E ARMAÇÃO DE BLOCOS, ESPECIFICAÇÃO DAS ESTACAS E ARMAÇÃO DAS LAJES MACIÇAS

DATA

NOV/2025

REVISÃO

R00

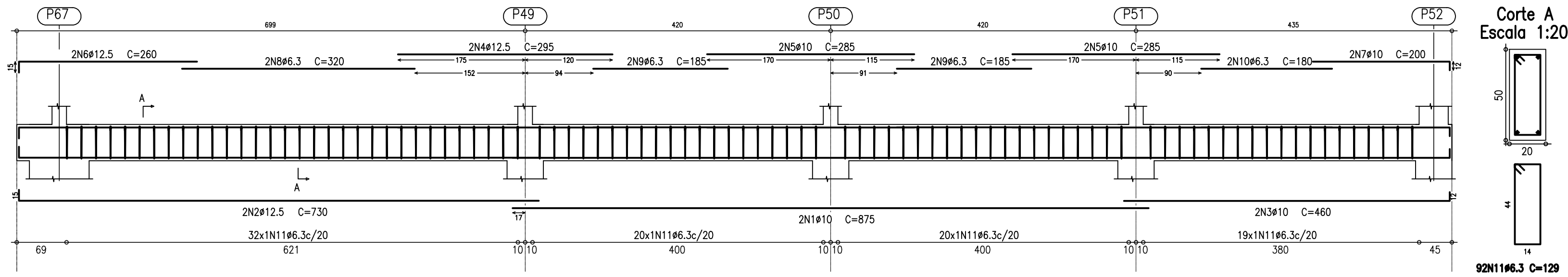
ESCALA

INDICADA

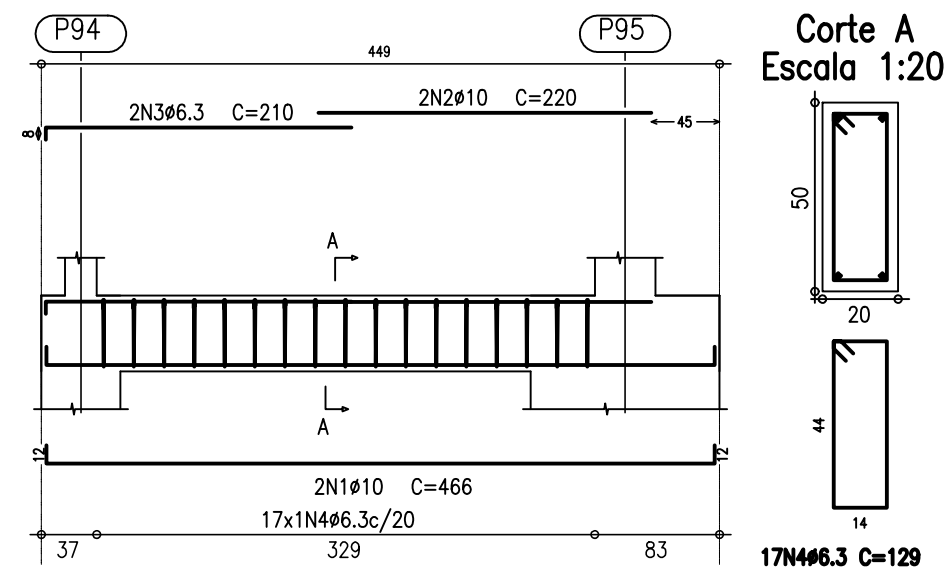
FOLHA Nº

FL-10

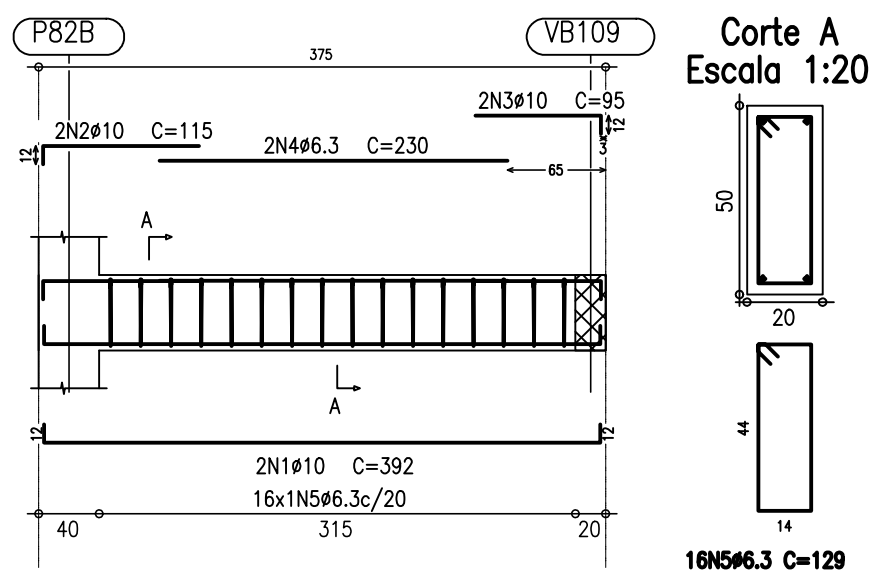
VB101
Escala 1:50



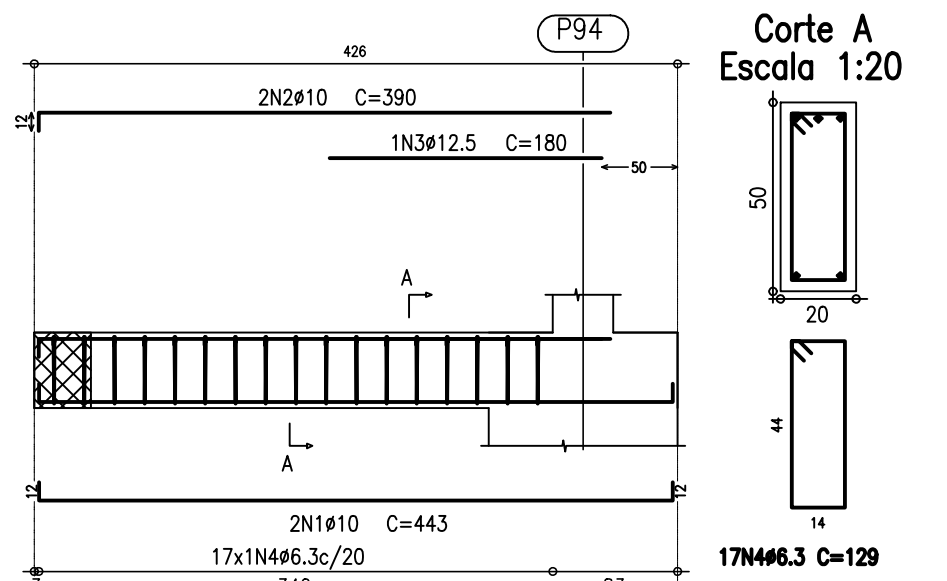
VB103
Escala 1:50



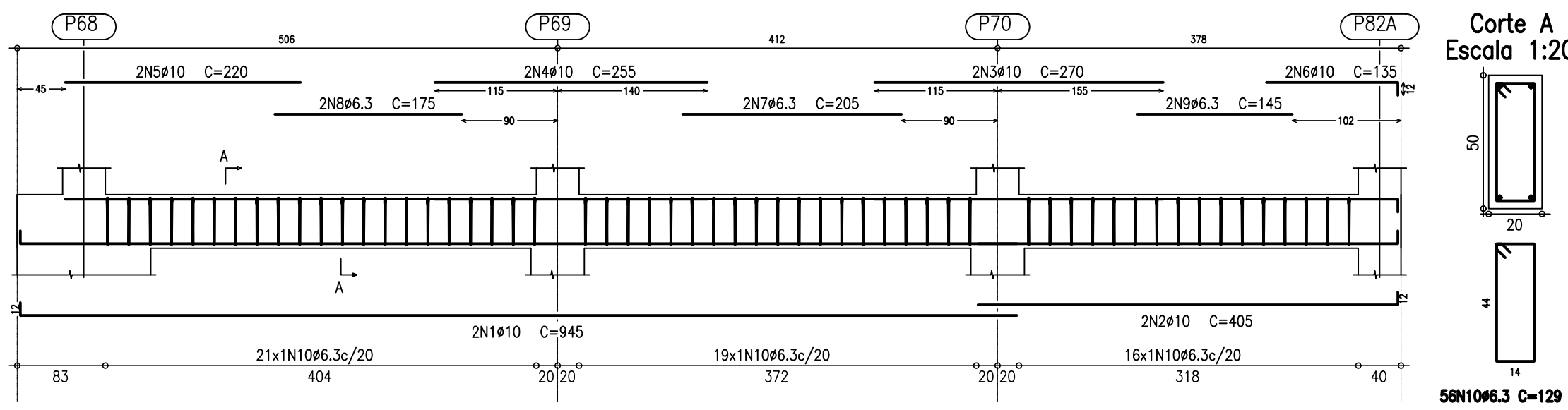
VB108
Escala 1:50



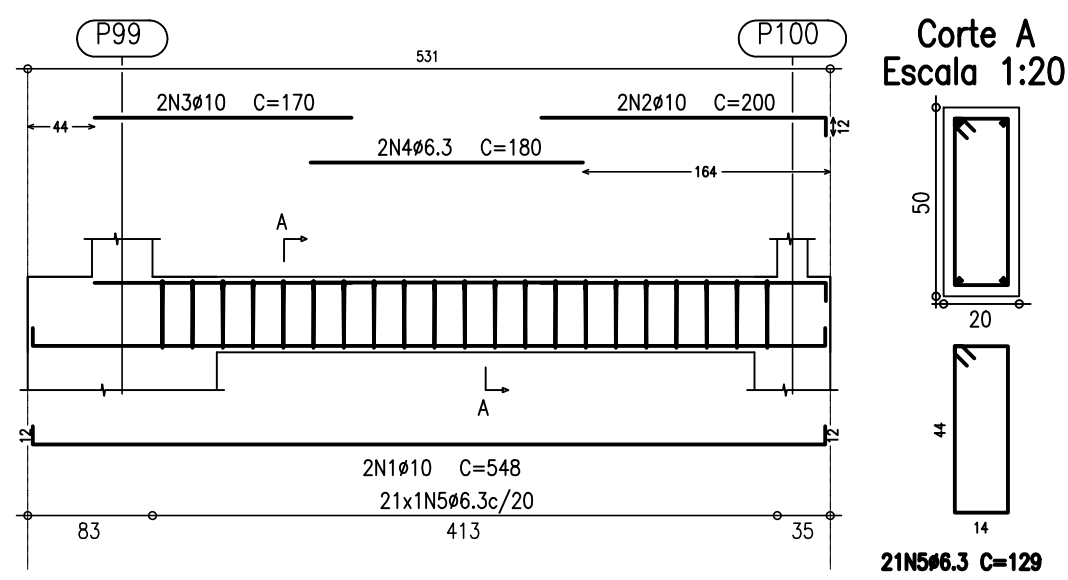
VB102
Escala 1:50



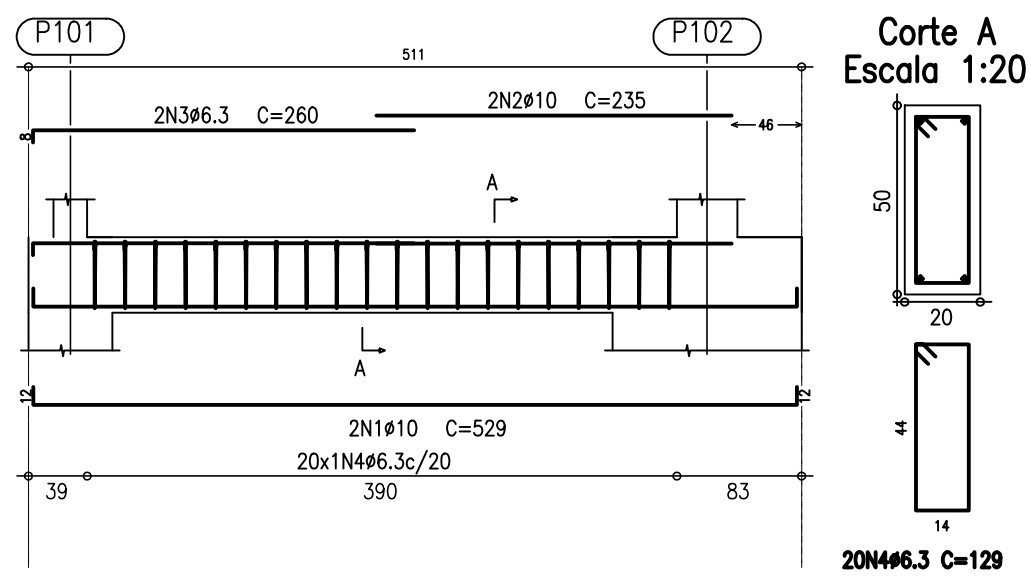
VB105
Escala 1:50



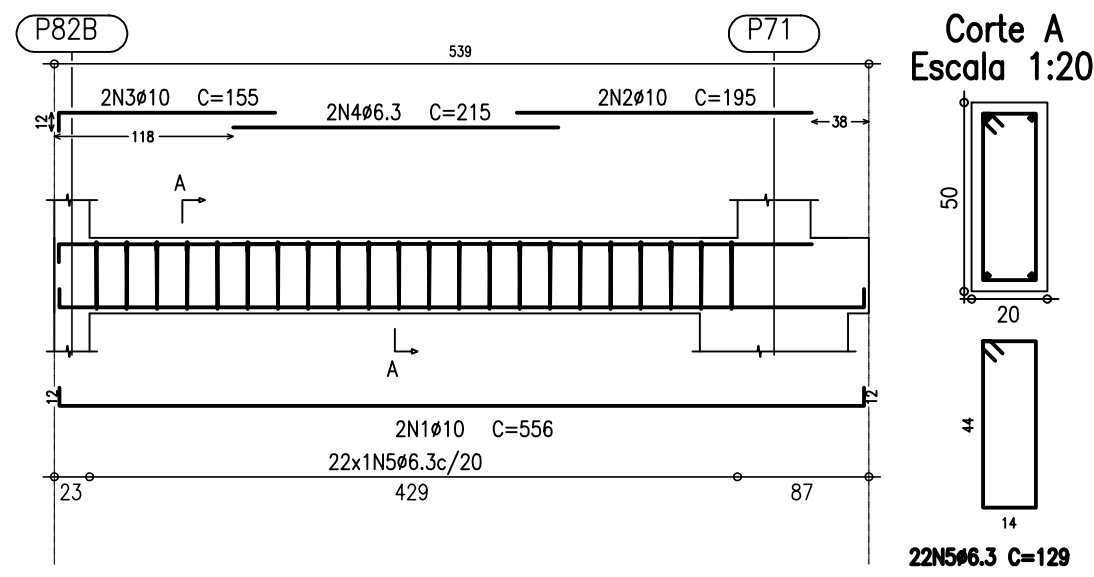
VB111
Escala 1:50



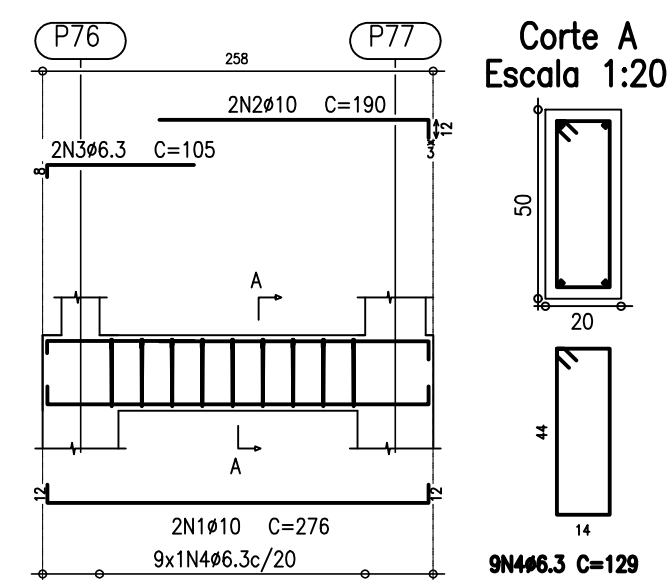
VB104
Escala 1:50



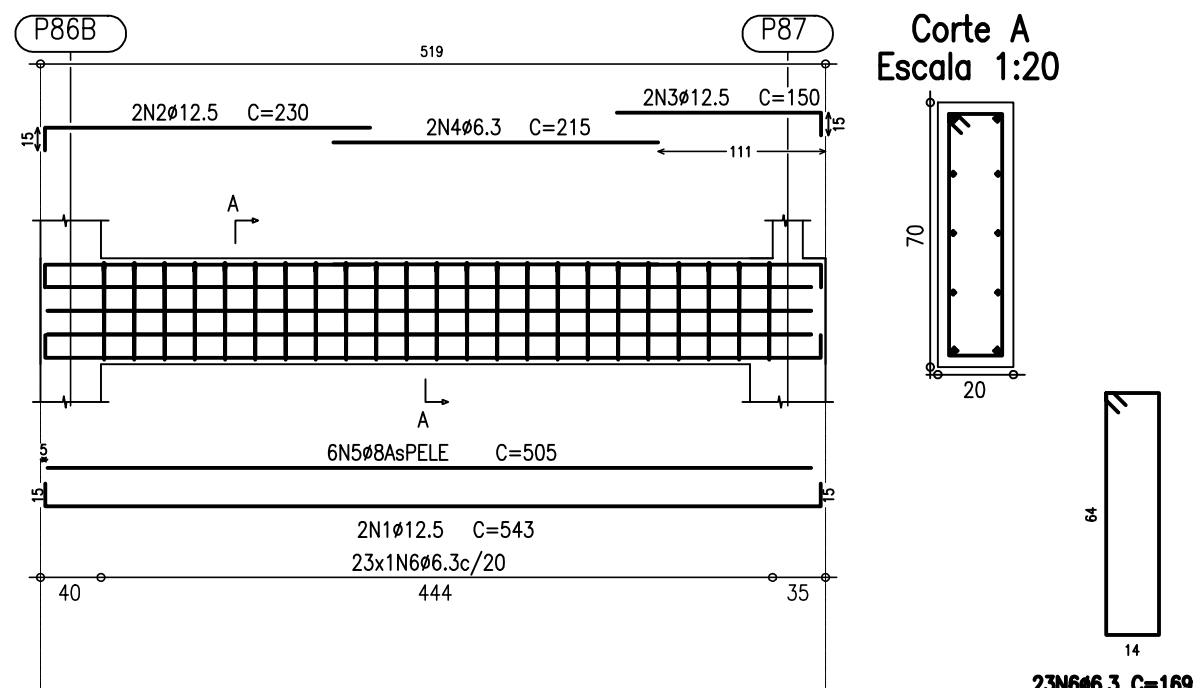
VB107
Escala 1:50



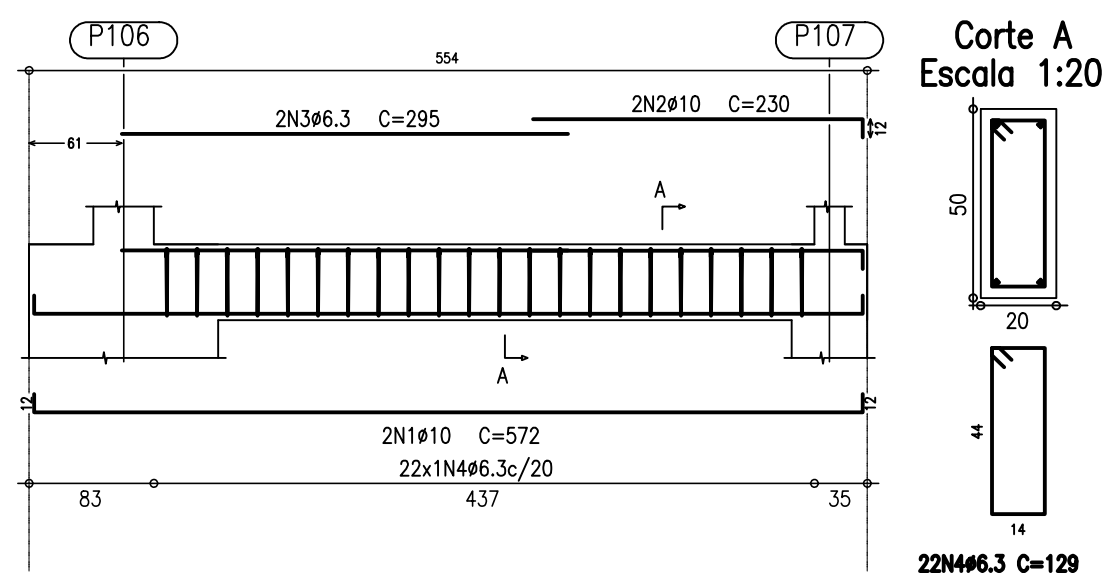
VB106
Escala 1:50



VB110
Escala 1:50



VB112
Escala 1:50



NOTAS:

1. CONCRETO fck 30MPa.
2. MEDIDAS EM CENTIMETROS.
3. COBRIMENTO PARA BLOCOS E BALDRAMES: 4,0cm.
4. NÍVEL DE REFERÊNCIA: VER PROJETO DE ARQUITETURA
5. FUNDAÇÃO DE ACORDO COM PARECER TÉCNICO

Elemento	Pos.	Diam.	Q.	(cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)	
VB101	1	Ø10	2		875		875	1750	11.0		
	2	Ø12.5	2	15	715		730	1460	14.3		
	3	Ø10	2		448	12	460	920	5.8		
	4	Ø12.5	2		295		295	590	5.8		
	5	Ø10	4		285		285	1140	7.2		
	6	Ø12.5	2	15	245		260	520	5.1		
	7	Ø10	2		188	12	200	400	2.5		
	8	Ø6.3	2		320		320	640	1.6		
	9	Ø6.3	4		185		185	740	1.8		
	10	Ø6.3	2		180		180	360	0.9		
	11	Ø6.3	91				129	11739	29.0		
Total+10%:									93.5		
VB102	1	Ø10	2	12	419	12	443	886	5.6		
	2	Ø10	2		378		390	780	4.9		
	3	Ø12.5	1		180		180	180	1.8		
	4	Ø6.3	17				129	2193	5.4		
Total+10%:									19.5		
VB103	1	Ø10	2	12	442	12	466	932	5.9		
	2	Ø10	2		220		220	440	2.8		
	3	Ø6.3	2	8	202		210	420	1.0		
	4	Ø6.3	17				129	2193	5.4		
Total+10%:									16.6		
VB104	1	Ø10	2	12	505	12	529	1058	6.6		
	2	Ø10	2		235		235	470	3.0		
	3	Ø6.3	2	8	252		260	520	1.3		
	4	Ø6.3	20				129	2580	6.4		
Total+10%:									19.0		
VB105	1	Ø10	2	12	933		945	1890	11.9		
	2	Ø10	2		393	12	405	810	5.1		
	3	Ø10	2		270		270	540	3.4		
	4	Ø10	2		255		255	510	3.2		
	5	Ø10	2		220		220	440	2.8		
	6	Ø10	2		123	12	135	270	1.7		
	7	Ø6.3	2		205		205	410	1.0		
	8	Ø6.3	2		175		175	350	0.9		
	9	Ø6.3	2		145		145	290	0.7		
	10	Ø6.3	56				129	7224	17.9		
Total+10%:									53.5		
VB106	1	Ø10	2	12	252	12	276	552	3.5		
	2	Ø10	2		178		190	380	2.4		
	3	Ø6.3	2	8	97		105	210	0.5		
	4	Ø6.3	9				129	1161	2.9		
Total+10%:									10.2		
VB107	1	Ø10	2	12	532	12	556	1112	7.0		
	2	Ø10	2		195		195	390	2.4		
	3	Ø10	2	12	143		155	310	1.9		
	4	Ø6.3	2		215		215	430	1.1		
	5	Ø6.3	22				129	2838	7.0		
Total+10%:									21.3		
VB108	1	Ø10	2	12	368	12	392	784	4.9		
	2	Ø10	2		103		115	230	1.4		
	3	Ø10	2		83	12	95	190	1.2		
	4	Ø6.3	2		230		230	460	1.1		
	5	Ø6.3	16				129	2064	5.1		
Total+10%:									15.1		
VB110	1	Ø12.5	2	15	513	15	543	1086	10.7		
	2	Ø12.5	2		215		230	460	4.5		
	3	Ø12.5	2		135		150	300	2.9		
	4	Ø6.3	2		215		215	430	1.1		
	5	Ø8	6		505		505	3030	11.9		
	6	Ø6.3	23				169	3887	9.6		
Total+10%:									44.8		
VB111	1	Ø10	2	12	524	12	548	1096	6.9		
	2	Ø10	2		188		200	400	2.5		
	3	Ø10	2		170		170	340	2.1		
	4	Ø6.3	2		180		180	360	0.9		
	5	Ø6.3	21				129	2709	6.7		
Total+10%:									21.0		
VB112	1	Ø10	2	12	548	12	572	1144	7.2		
	2	Ø10	2		218		230	460	2.9		
	3	Ø6.3	2		295		295	590	1.5		
	4	Ø6.3	22				129	2838	7.0		
Total+10%:									20.5		
									Ø6.3:	129.5	0.0
									Ø8:	13.1	0.0
									Ø10:	142.9	0.0
									Ø12.5:	49.5	0.0
									Total:	335.0	0.0

REALIZAÇÃO



PROJETO

TEA DIADEMA

LOCAL

RUA MANOEL DA NÓBREGA, 889 - CENTRO - DIADEMA/SP

FASE DO PROJETO

Projeto Executivo

ÁREA TÉCNICA

ESTRUTURA

TÍTULO

ARMAÇÕES BALDRAMES - NÍVEL INFERIOR - 1ª PARTE

DATA

NOV/2025

REVISÃO

R01

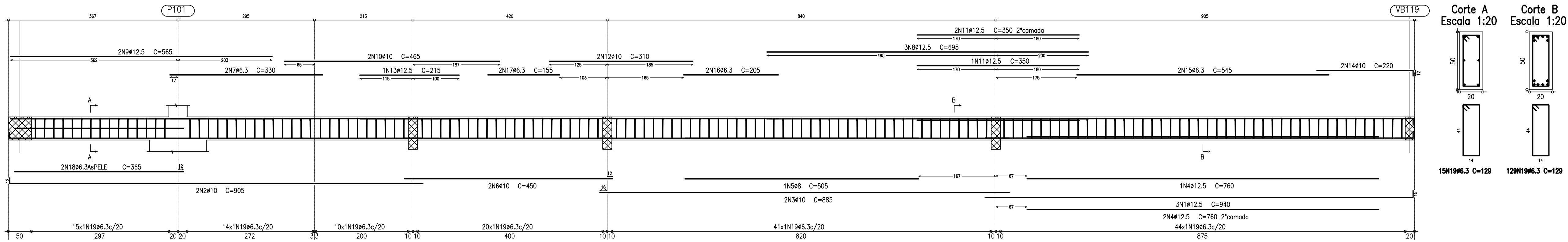
ESCALA

INDICADA

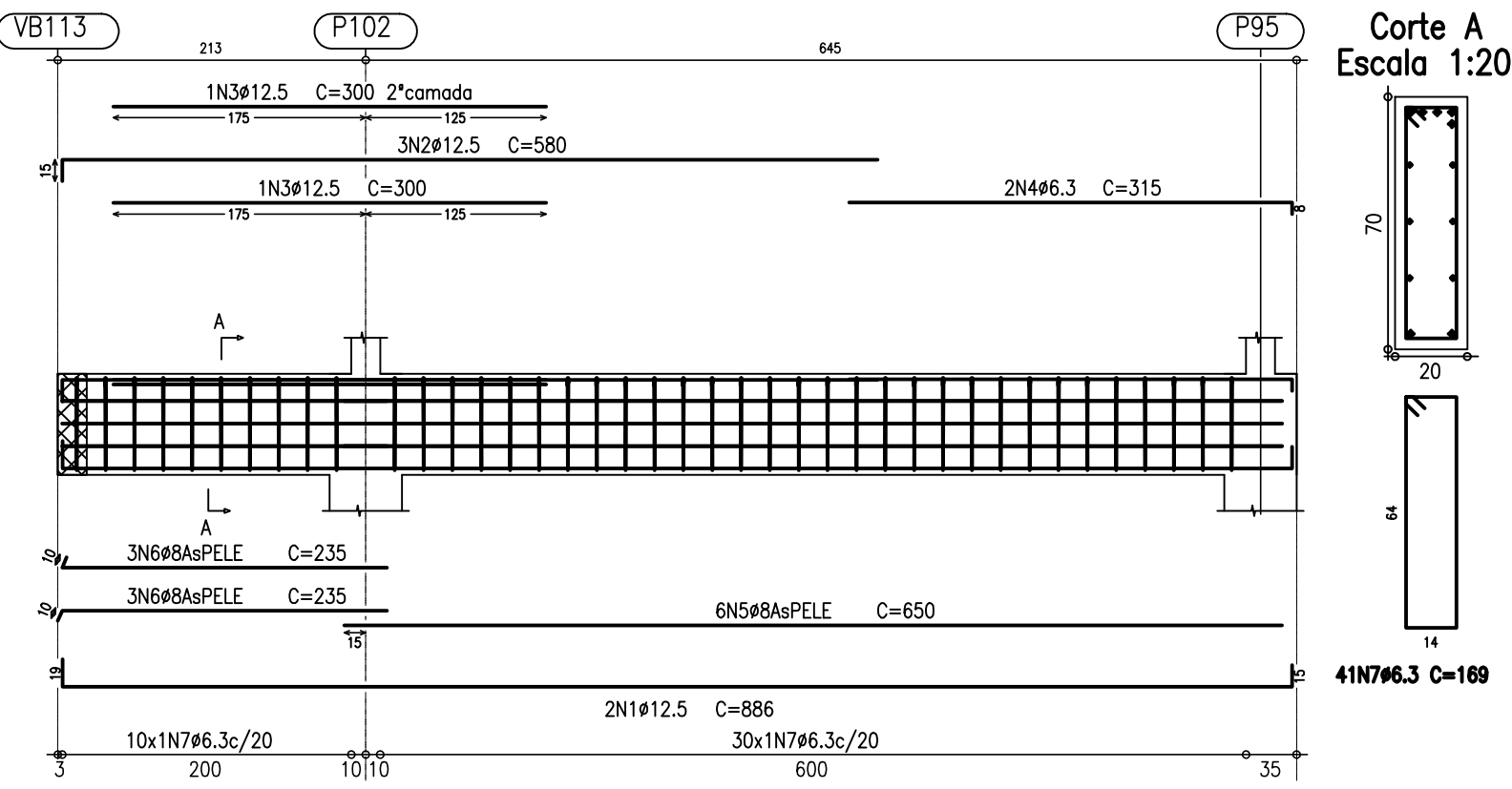
FOLHA Nº

FL-12

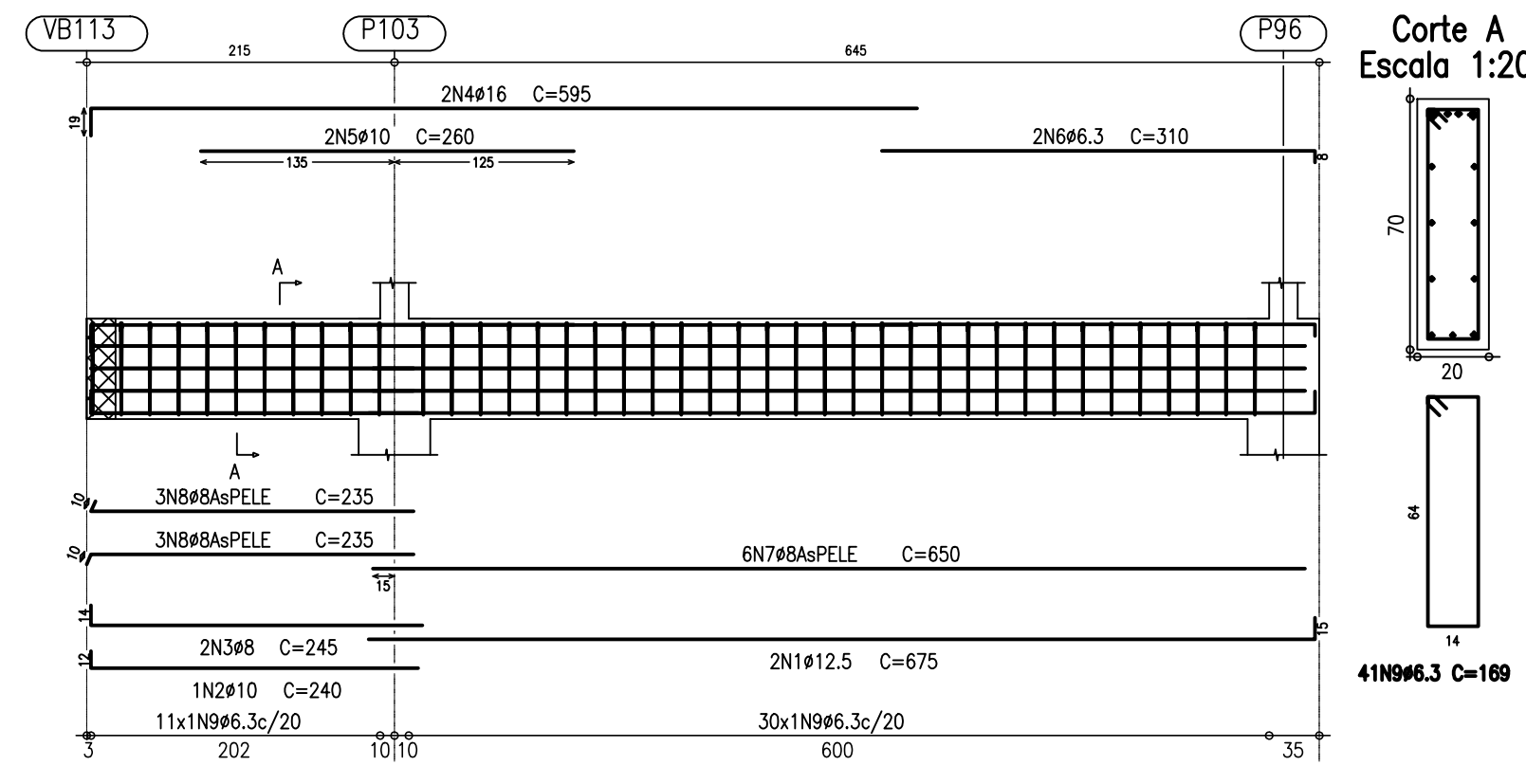
VB113
Escala 1:50



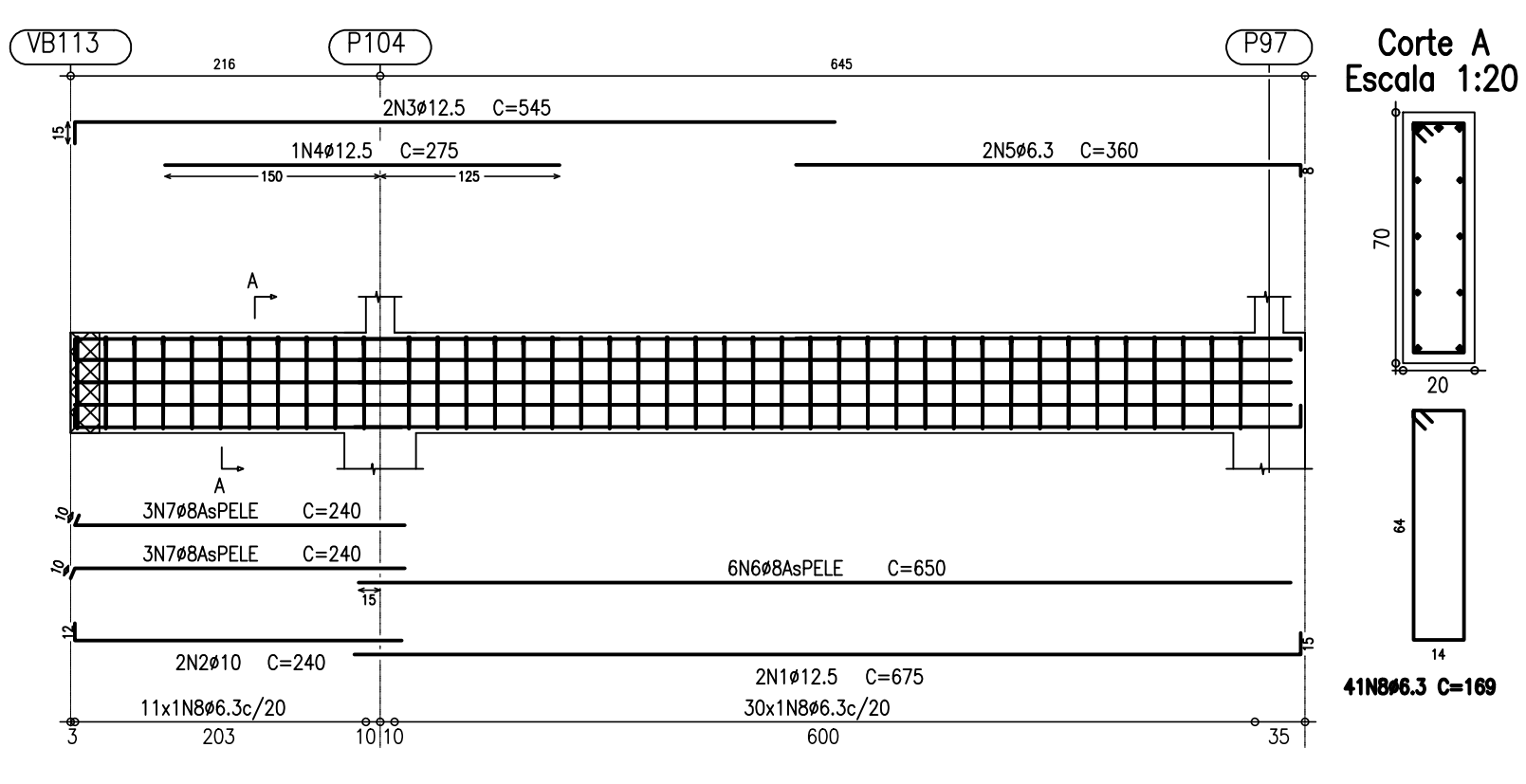
VB114
Escala 1:50



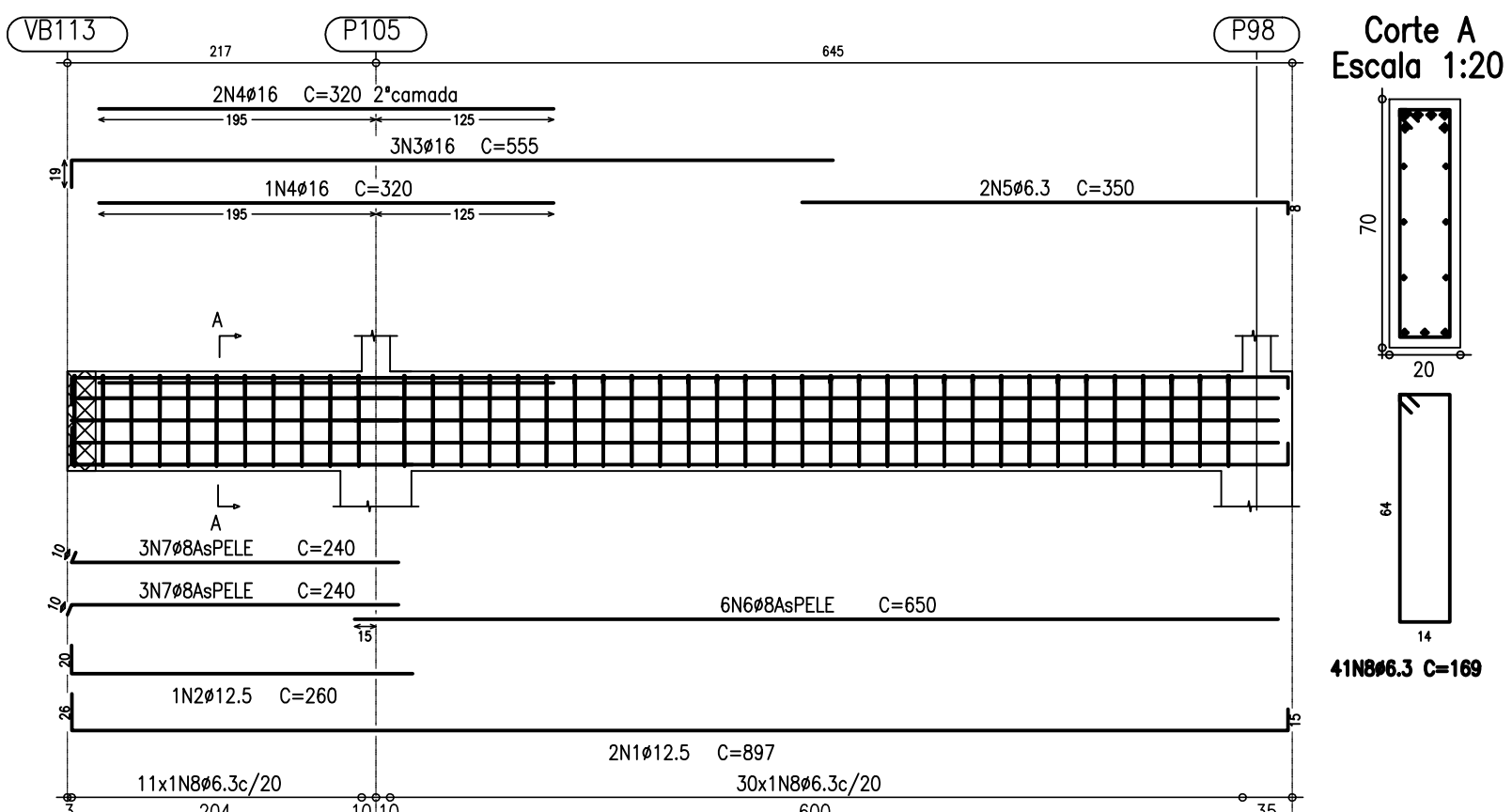
VB115
Escala 1:50



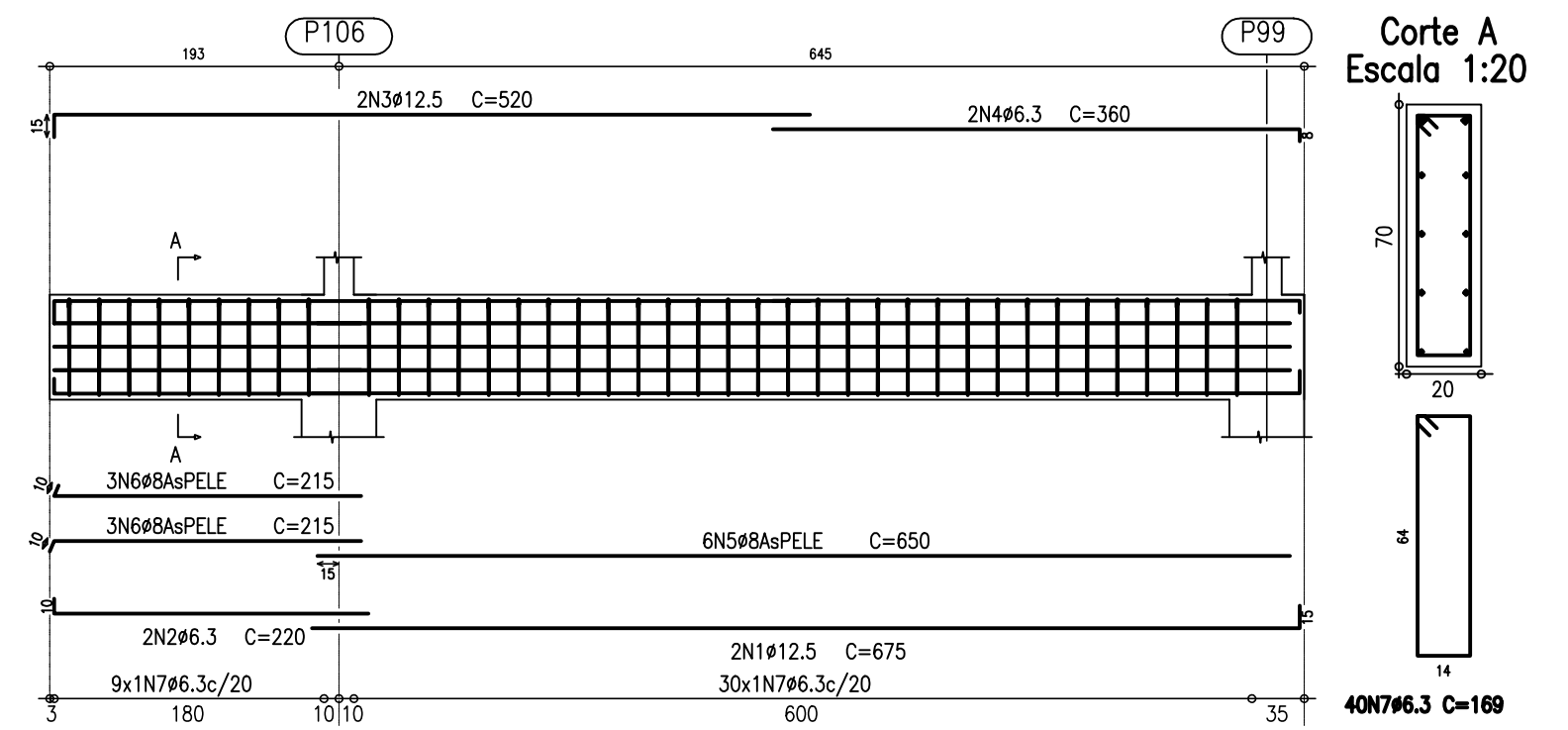
VB116
Escala 1:50



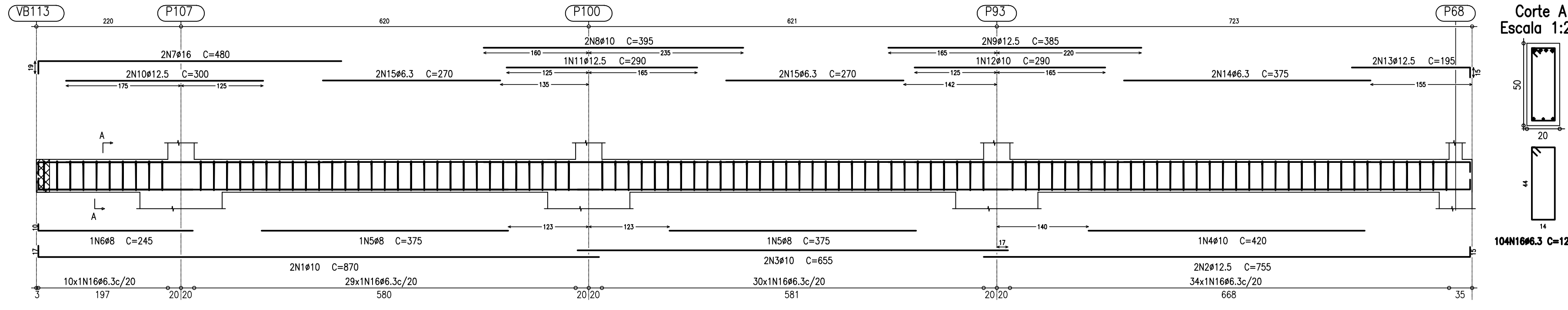
VB117
Escala 1:50



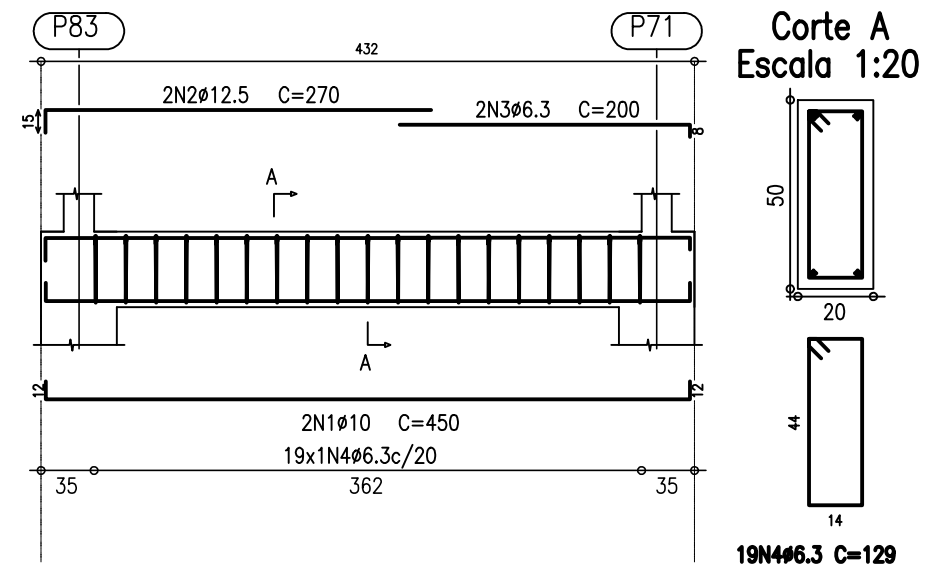
VB118
Escala 1:50



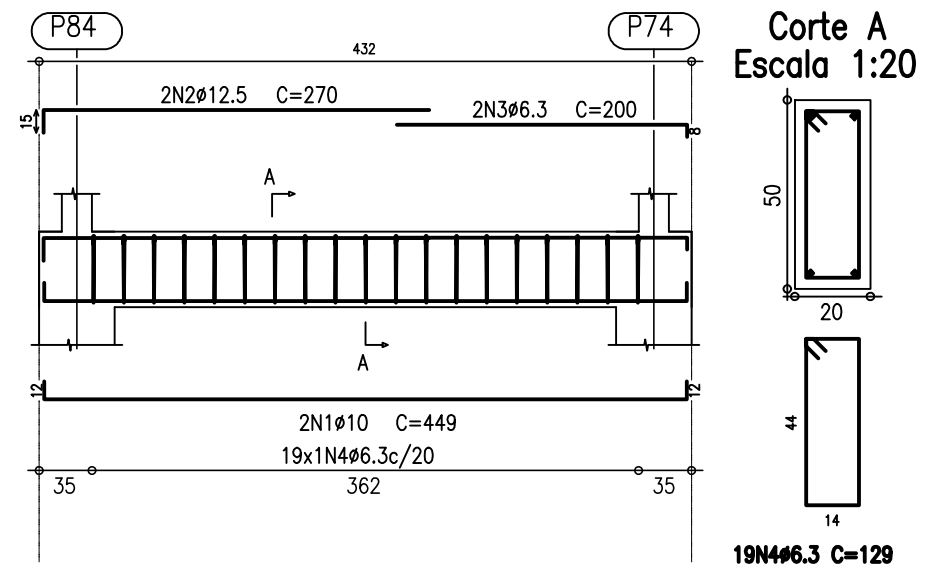
VB119
Escala 1:50



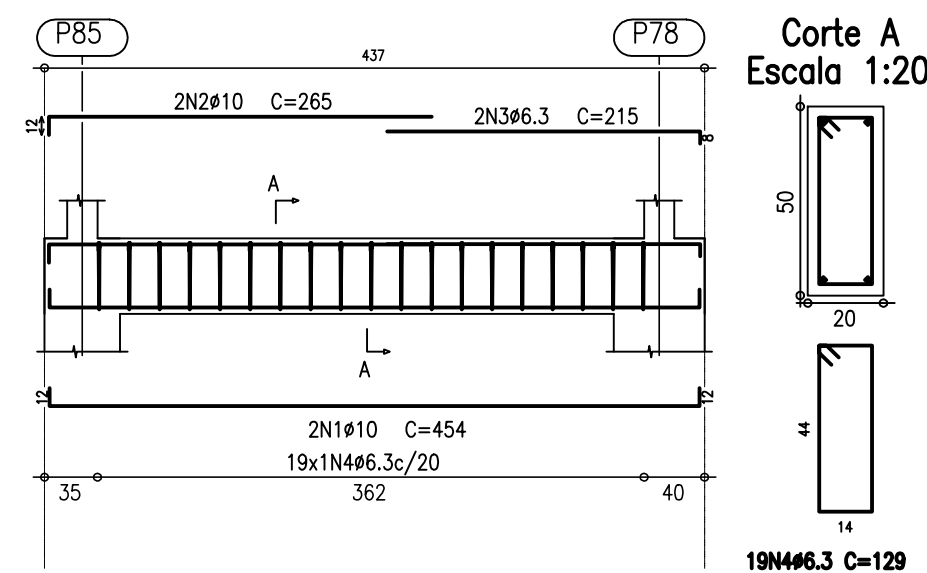
VB120
Escala 1:50



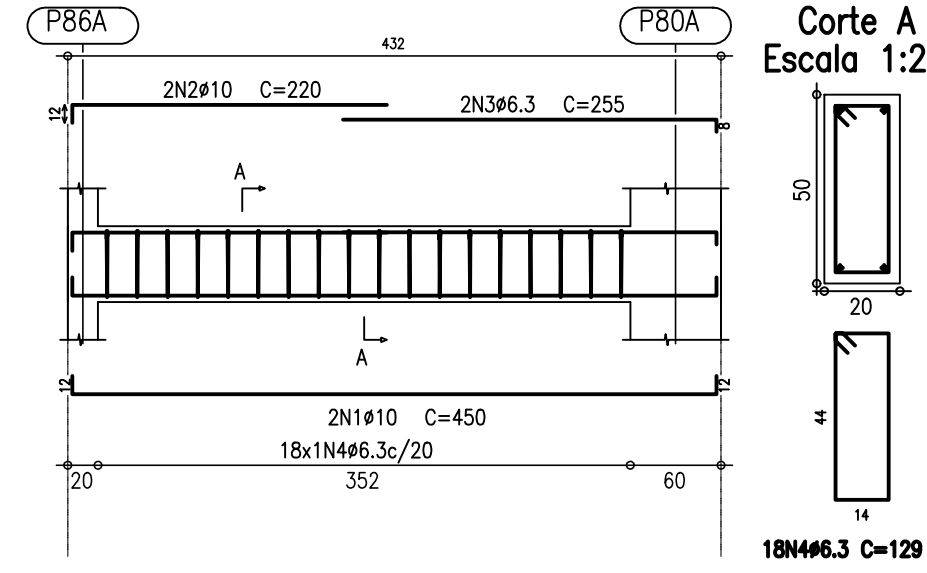
VB121
Escala 1:50



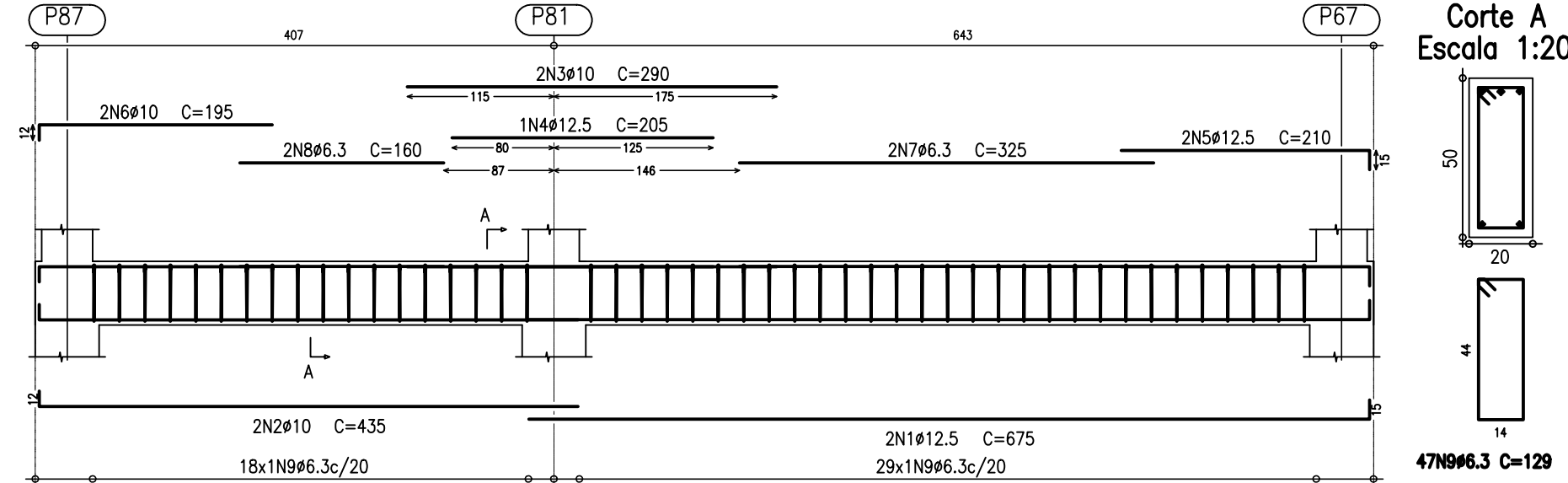
VB122
Escala 1:50



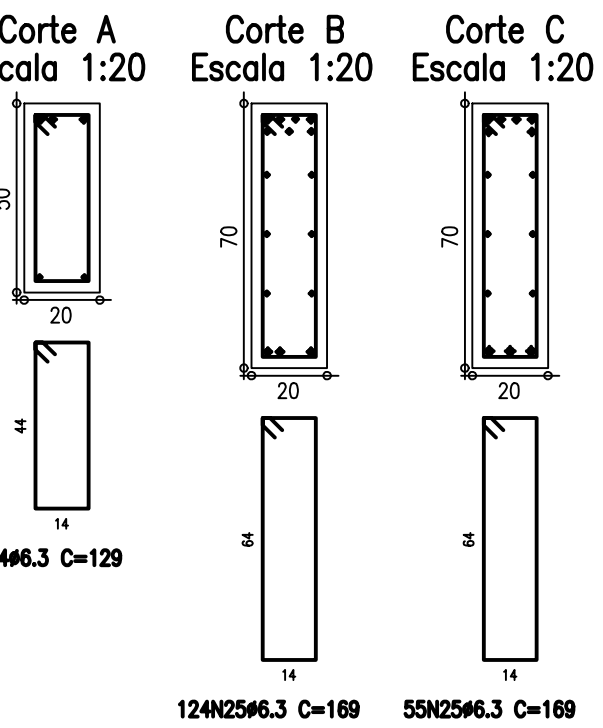
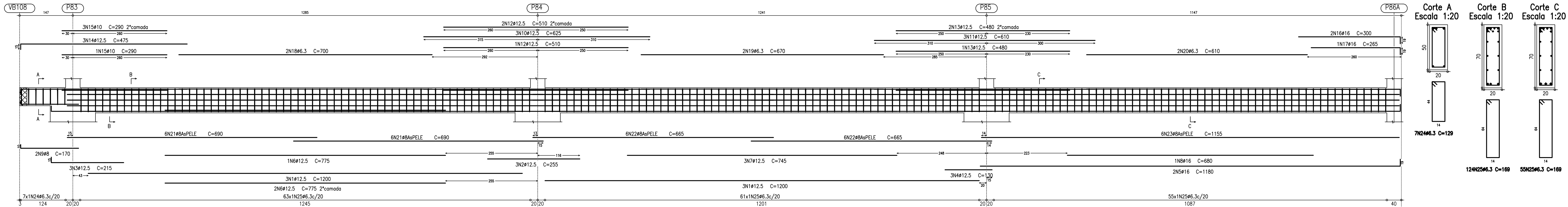
VB123
Escala 1:50



VB124
Escala 1:50

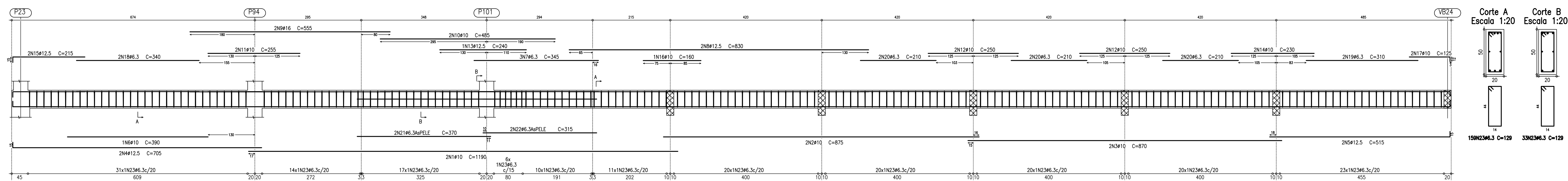


VB109
Escala 1:50

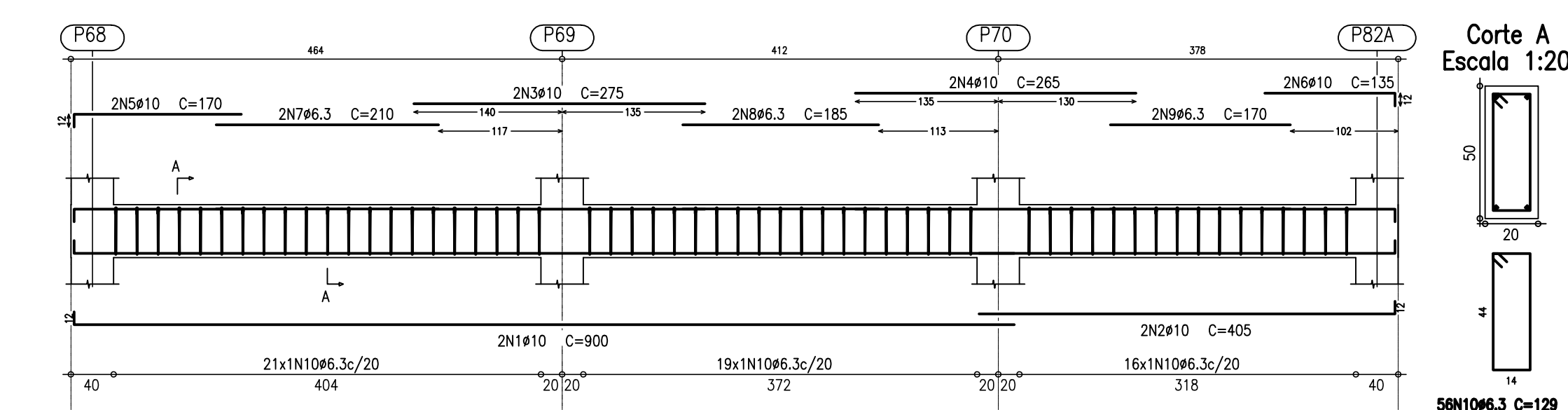


Elemento	Pos.	Diam.	Q.	Deb. (cm)	Reta (cm)	Comp. (cm)	Total (cm)	CA-50-A	CA-60-B
VB109	1	#12,5	3	200	1500	2200	30,7	941	2802,7
	2	#12,5	3	255	255	765	7,5	255	765
	3	#12,5	3	150	200	215	64,5	63	63
	4	#12,5	3	130	130	360	3,8	3,8	3,8
	5	#16	2	1161	1180	1180	2340	37,1	37,1
	6	#12,5	3	775	775	2325	22,8	22,8	22,8
	7	#12,5	3	745	745	2235	21,9	21,9	21,9
	8	#16	2	680	680	1037	10,7	10,7	10,7
	9	#8	2	10	160	340	1,3	1,3	1,3
	10	#12,5	3	625	625	1875	18,4	18,4	18,4
	11	#12,5	3	610	610	1830	18,0	18,0	18,0
	12	#12,5	3	510	510	1530	15,0	15,0	15,0
	13	#12,5	3	480	480	1440	14,1	14,1	14,1
	14	#12,5	3	460	460	1380	13,5	13,5	13,5
	15	#10	2	290	290	1160	7,3	7,3	7,3
	16	#16	2	281	19	300	600	8,4	8,4
	17	#16	2	246	19	265	520	4,2	4,2
	18	#6,3	2	700	700	1400	3,2	3,2	3,2
	19	#6,3	2	670	670	1340	3,3	3,3	3,3
	20	#6,3	2	610	610	1220	3,0	3,0	3,0
	21	#8	12	690	690	8280	32,5	32,5	32,5
	22	#8	12	665	665	7980	31,3	31,3	31,3
	23	#8	4	1155	1155	4620	27,2	27,2	27,2
	24	#6,3	2	903	903	3612	2,2	2,2	2,2
	25	#6,3	179	169	30251	74,8	74,8	74,8	74,8
Total+10%								506,3	506,3
VB113	1	#12,5	3	925	925	2827,7	27,7	27,7	27,7
	2	#10	2	12	893	905	1810	11,4	11,4
	3	#10	2	885	885	1770	11,1	11,1	11,1
	4	#12,5	3	760	760	2280	22,4	22,4	22,4
	5	#8	1	505	505	505	2,0	2,0	2,0
	6	#10	2	450	450	900	5,7	5,7	5,7
	7	#6,3	2	330	330	660	1,6	1,6	1,6
	8	#12,5	3	695	695	2085	20,5	20,5	20,5
	9	#12,5	2	565	565	1130	11,1	11,1	11,1
	10	#10	2	465	465	930	5,8	5,8	5,8
	11	#12,5	3	350	350	1050	10,3	10,3	10,3
	12	#10	2	310	310	620	3,9	3,9	3,9
	13	#12,5	3	215	215	645	2,1	2,1	2,1
	14	#10	2	208	12	220	440	2,8	2,8
	15	#6,3	2	545	545	1090	2,7	2,7	2,7
	16	#6,3	2	205	205	410	1,0	1,0	1,0
	17	#6,3	2	155	155	310	0,8	0,8	0,8
	18	#6,3	2	365	365	730	1,8	1,8	1,8
	19	#6,3	144	129	1876	46,9	46,9	46,9	46,9
Total+10%								87,5	87,5
VB114	1	#12,5	2	19	852	15	886	177,4	17,4
	2	#12,5	3	15	565	15	580	1740	17,1
	3	#10	2	228	228	456	3,0	3,0	3,0
	4	#16	2	14	231	245	490	1,9	1,9
	5	#16	2	19	576	595	1190	18,7	18,7
	6	#10	2	260	260	520	3,3	3,3	3,3
	7	#6,3	2	302	302	604	3,0	3,0	3,0
	8	#8	6	60	60	360	15,3	15,3	15,3
	9	#6,3	40	10	225	235	1410	5,5	5,5
Total+10%								85,8	85,8
VB115	1	#12,5	2	12	660	15	675	1350	13,2
	2	#10	2	228	228	456	3,0	3,0	3,0
	3	#12,5	2	15	530	545	1090	10,7	10,7
	4	#12,5	1	275	275	550	2,7	2,7	2,7
	5	#6,3	2	302	302	604	3,0	3,0	3,0
	6	#8	6	60	60	360	15,3	15,3	15,3
	7	#8	6	60	60	360	15,3	15,3	15,3
	8	#6,3	41	10	230	240	1440	5,7	5,7
	9	#6,3	169	169	6929	17,1	17,1	17,1	17,1
Total+10%								76,5	76,5
VB117	1	#12,5	2	38	856	15	897	1794	17,6
	2	#12,5	1	20	240	260	500	2,6	2,6
	3	#16	19	536	535	1685	26,1	26,1	26,1
	4	#16	3	320	320	960	15,1	15,1	15,1
	5	#6,3	8	342	342	350	700	1,7	1,7
	6	#8	6	600	600	3600	15,3	15,3	15,3
	7	#8	6	60	60	360	15,3	15,3	15,3
	8	#6,3	41	10	230	240	1440	5,7	5,7
	9	#6,3	169	169	6929	17,1	17,1	17,1	17,1
Total+10%								111,3	111,3
VB118	1	#12,5	2	12	660	15	675	1350	13,2
	2	#10	2	228	228	456	3,0	3,0	3,0
	3	#12,5	2	15	505	520	1040	10,2	10,2
	4	#6,3	3	302	302	604	3,0	3,0	3,0
	5	#8	6	60	60	360	15,3	15,3	15,3
	6	#8	6	60	60	360	15,3	15,3	15,3
	7	#8	6	60	60	360	15,3	15,3	15,3
	8	#6,3	39	10	205	215	1290	5,1	5,1
	9	#6,3	169	169	6929	17,1	17,1	17,1	17,1
Total+10%								69,3	69,3
VB119	1	#10	2	17	853	870	1742	14,8	14,8
	2	#12,5	2	17	740	750	1510	14,8	14,8
	3	#10	2	655	655	1310	8,2	8,2	8,2
	4	#10	1	420	420	840	2,6	2,6	2,6
	5	#8	2	375	375	750	2,9	2,9	2,9
	6	#8	1	235	245	480	1,0	1,0	1,0
	7	#16	2	19	461	480	960	15,1	15,1
	8	#10	2	12	395	395	790	5,0	5,0
	9	#12,5	2	385	385	770	7,6	7,6	7,6
VB120	1	#12,5	2	300	300	600	5,9	5,9	5,9
	2	#12,5	1	290	290	580	2,8	2,8	2,8
	3	#10	1	290	290	580	2,8	2,8	2,8
	4	#10	1	290	290	580	2,8	2,8	2,8
	5	#12,5	2	180	180	360	3,9	3,9	3,9
	6	#6,3	2	375	375	750	1,9	1,9	1,9
	7	#6,3	4	270	270	1080	2,7	2,7	2,7
	8	#6,3	103	129	13287	32,9	32,9	32,9	32,9
	9	#6,3	103	129	13287	32,9	32,9	32,9	32,9
Total+10%								131,9	131,9
VB121	1	#10	2	12	426	12	438	876	5,7
	2	#12,5	2	15	255	270	540	5,3	5,3
	3	#6,3	19	192	8	200	400	1,0	1,0
	4	#6,3	19	129	2451	6,1	6,1	6,1	6,1
	5	#10	2	12	426	12	438	876	5,7
	6	#12,5	2	15	255	270	540	5,3	5,3
	7	#6,3	19	192	8	200	400	1,0	1,0
	8	#6,3	19	129	2451	6,1	6,1	6,1	6,1
	9	#6,3	19	129	2451	6,1	6,1	6,1	6,1
Total+10%								19,8	19,8
VB122	1	#10	2	12	430	12	442	884	5,7
	2	#10	2	12	430	12	442	884	5,7
	3	#6,3	2	207	8	215	430	1,1	1,1
	4	#6,3	15	129	2451	6,1	6,1	6,1	6,1
	5	#10	2	12	430	12	442	884	5,7
	6	#12,5	2	15	255	270	540	5,3	5,3
	7	#6,3	19	192	8	200	400	1,0	1,0
	8	#6,3	19	129	2451	6,1	6,1	6,1	6,1
	9	#6,3	19	129	2451	6,1	6,1	6,1	

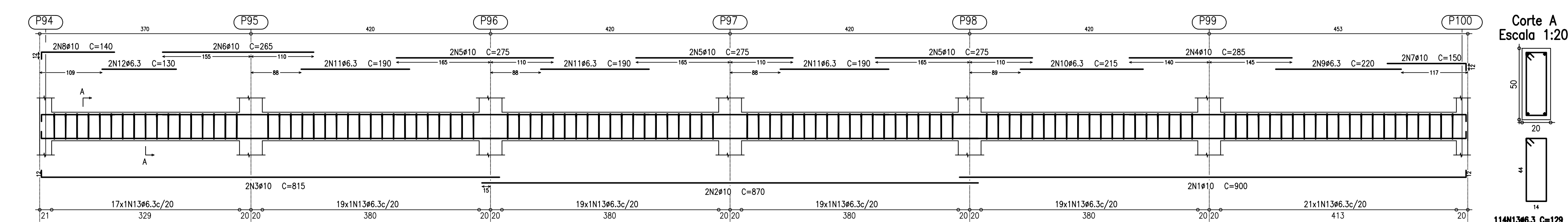
VB10
Escala 1:50



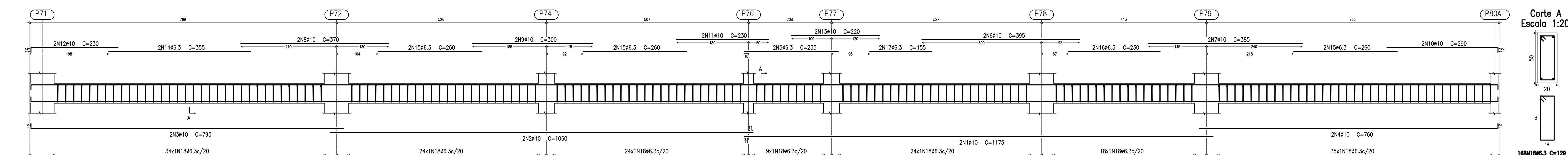
VB11
Escala 1:50



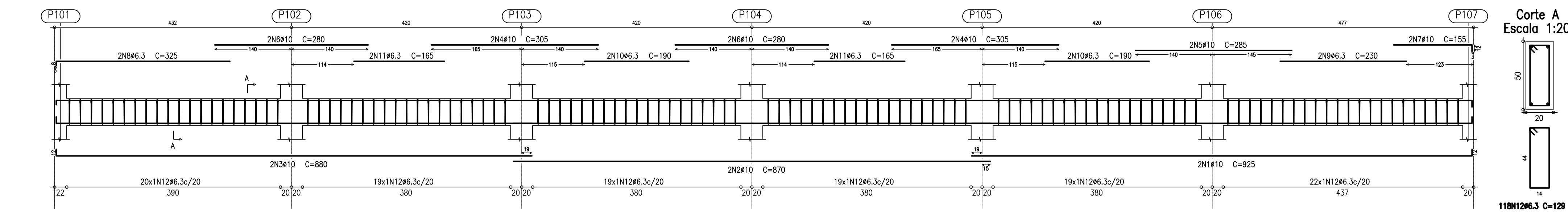
VB13
Escala 1:50



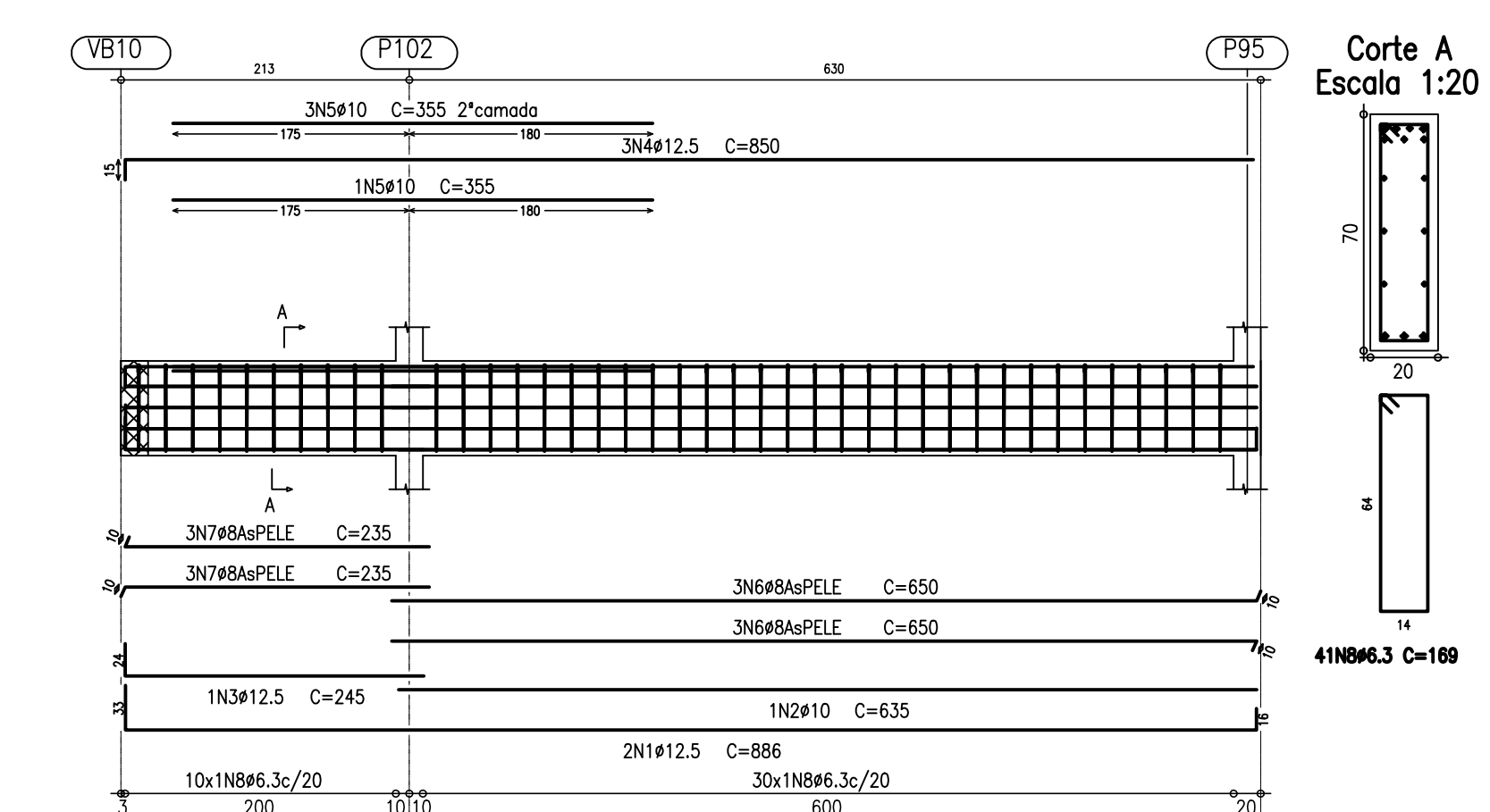
VB14
Escala 1:50



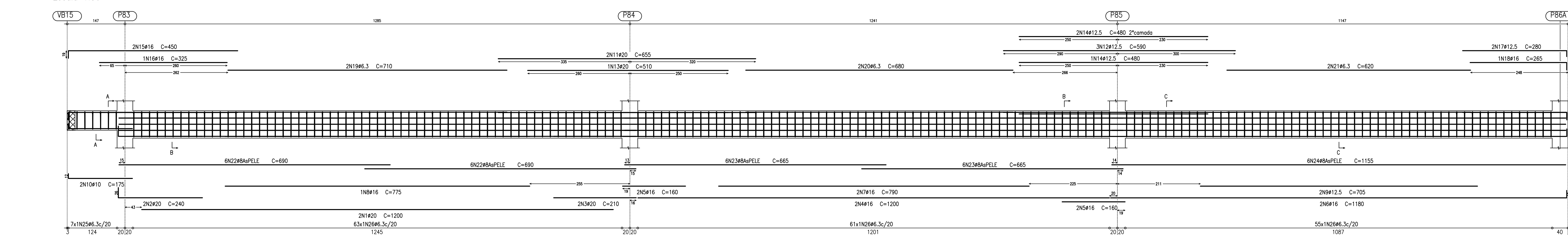
VB16
Escala 1:50



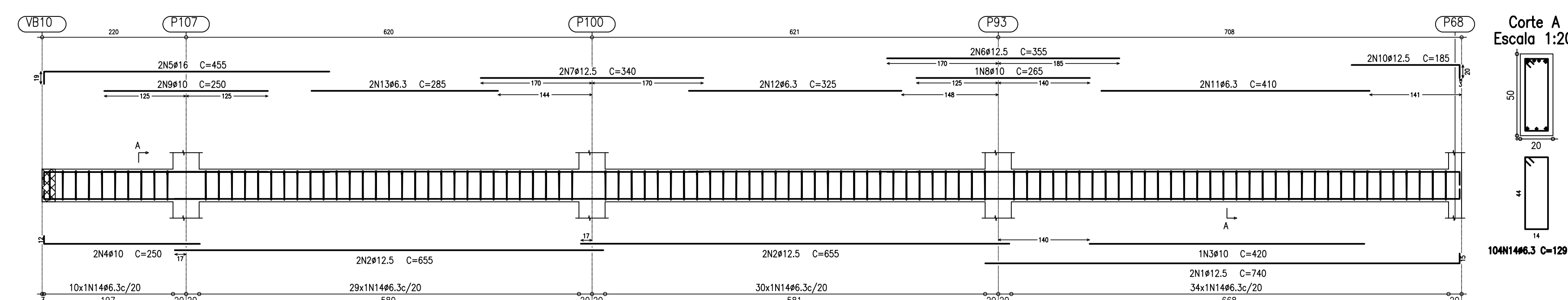
VB19
Escala 1:50



VB17
Escala 1:50



VB24
Escala 1:50

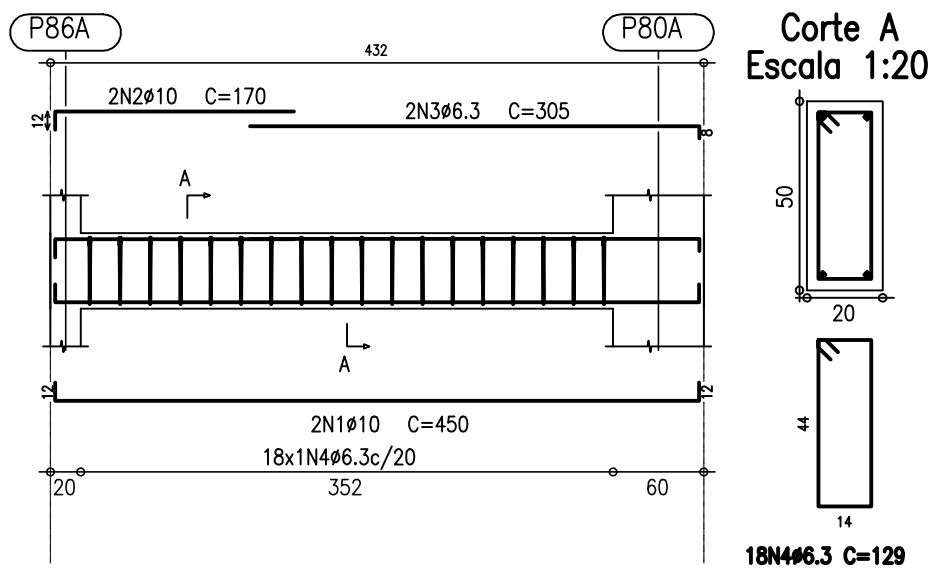


Elemento	Pos.	Diarm.	Q	Rela	Comp.	Total	CA-50-A	CA-60-B
VB10	1	#10	2	1186	1186	2360	14.3	
	2	#10	2	875	875	1750	11.0	
	3	#10	2	870	870	1740	10.9	
	4	#12.5	15	690	690	1035	13.8	
	5	#12.5	15	500	500	750	10.1	
	6	#10	1	390	390	390	2.4	
	7	#6.3	3	345	345	518	2.6	
	8	#12.5	3	835	835	1253	16.3	
	9	#16	2	555	555	833	17.4	
	10	#10	2	485	485	728	11.3	
	11	#10	2	255	255	383	3.2	
	12	#10	4	250	250	375	6.3	
	13	#12.5	15	240	240	360	2.4	
	14	#10	2	230	230	345	2.9	
	15	#12.5	15	290	290	435	4.2	
	16	#10	1	160	160	160	1.0	
	17	#10	2	113	113	170	1.6	
	18	#6.3	2	340	340	510	1.7	
	19	#6.3	2	310	310	465	1.5	
	20	#6.3	2	210	210	315	1.1	
	21	#6.3	2	370	370	555	1.8	
	22	#6.3	2	315	315	473	1.6	
	23	#6.3	192			129	24768	61.2
Total+10R:							277.8	
VB11	1	#10	2	12	888	900	11.3	
	2	#10	2	383	383	575	5.1	
	3	#10	2	275	275	413	3.5	
	4	#10	2	265	265	398	3.3	
	5	#10	2	158	158	237	2.1	
	6	#10	2	123	123	185	1.7	
	7	#6.3	2	210	210	315	1.0	
	8	#6.3	2	185	185	278	0.9	
	9	#6.3	2	170	170	255	0.8	
	10	#6.3	56			129	7224	17.3
Total+10R:							52.4	
VB12	1	#10	2	1053	1053	2106	13.4	
	2	#10	2	875	875	1750	11.0	
	3	#10	2	443	443	665	5.7	
	4	#6.3	3	250	250	375	1.0	
	5	#10	2	593	593	889	7.6	
	6	#10	6	285	285	428	10.9	
	7	#10	2	220	220	330	2.8	
	8	#8	2	65	65	98	0.6	
	9	#6.3	8	165	165	248	1.7	
	10	#6.3	108			129	1932	34.5
Total+10R:							100.1	
VB13	1	#10	2	888	888	1332	14.8	
	2	#10	2	870	870	1305	13.3	
	3	#10	2	870	870	1305	13.3	
	4	#10	2	285	285	428	3.6	
	5	#10	2	275	275	413	3.4	
	6	#10	2	265	265	398	3.3	
	7	#10	2	138	138	207	1.9	
	8	#10	2	128	128	192	1.8	
	9	#6.3	2	220	220	330	1.1	
	10	#6.3	2	215	215	323	1.1	
	11	#6.3	6	190	190	285	2.8	
	12	#6.3	2	130	130	195	0.8	
	13	#6.3	114			129	14706	36.4
Total+10R:							154.9	
VB14	1	#10	2	1175	1175	2350	14.8	
	2	#10	2	1060	1060	2120	13.3	
	3	#10	2	783	783	1566	10.0	
	4	#10	2	748	748	1496	9.5	
	5	#6.3	2	235	235	353	4.7	
	6	#10	2	395	395	593	5.3	
	7	#10	2	395	395	593	5.3	
	8	#10	2	370	370	555	4.6	
	9	#10	2	300	300	450	3.8	
	10	#10	2	278	278	417	3.6	
	11	#10	2	230	230	345	2.9	
	12	#10	2	218	218	327	2.8	
	13	#10	2	220	220	330	2.8	
	14	#6.3	2	355	355	533	1.8	
	15	#6.3	6	260	260	390	3.8	
	16	#6.3	2	230	230	345	1.1	
	17	#6.3	2	155	155	233	0.8	
	18	#6.3	168			129	21672	53.6
Total+10R:							154.4	
VB16	1	#10	2	911	911	1822	11.6	
	2	#10	2	870	870	1740	10.9	
	3	#10	2	868	868	1736	11.1	
	4	#10	4	395	395	593	7.7	
	5	#10	2	285	285	428	3.6	
	6	#10	4	280	280	420	3.5	
	7	#10	2	143	143	215	1.9	
	8	#6.3	3	317	317	476	1.9	
	9	#6.3	2	230	230	345	1.1	
	10	#6.3	4	190	190	285	1.1	
	11	#6.3	4	165	165	248	1.6	
VB17	1	#20	2	1200	1200	2400	59.3	
	2	#20	2	214	214	428	11.9	
	3	#20	2	210	210	420	10.4	
	4	#16	2	1200	1200	2400	37.7	
	5	#16	4	180	180	360	10.3	
	6	#16	2	1161	1161	2322	37.1	
	7	#16	2	790	790	1580	24.8	
	8	#16	1	775	775	1550	12.2	
	9	#12.5	2	705	705	1410	13.8	
	10	#10	2	163	163	326	2.2	
	11	#20	2	655	655	1310	32.4	
VB19	1	#12.5	3	590	590	885	17.4	
	2	#10	2	510	510	765	12.8	
	3	#12.5	19	480	480	912	14.1	
	4	#16	2	421	421	842	14.1	
	5	#16	1	325	325	325	5.1	
	6	#12.5	15	285	285	428	5.5	
	7	#16	1	248	248	248	4.2	
	8	#6.3	2	710	710	1065	3.5	
	9	#6.3	2	680	680	1020	3.4	
	10	#6.3	2	620	620	930	3.1	
	11	#6.3	12	690	690	1035	3.2	
	12	#8	12	665	665	998	3.1	
	13	#8	6	1155	1155	1733	27.2	
	14	#6.3	7	1155	1155	1733	27.2	
	15	#6.3	179			169	30551	74.8
Total+10R:							553.1	
VB24	1	#12.5	2	33	637	670	17.4	
	2	#10	1	635	635	953	4.0	
	3	#12.5	1	24	221	245	2.4	
	4	#12.5	3	835	835	1253	16.3	
	5	#10	4	355	355	533	8.9	
	6	#8	6	640	640	960	15.3	
	7	#8	6	225	225	338	3.5	
	8	#6.3	40			169	6760	16.7
Total+10R:							104.7	
VB24	1	#12.5	2	725	15	740	14.5	
	2	#12.5	4	655	655	983	25.7	
	3	#10	1	420	420	630	2.6	
	4	#10	2	238	238	357	3.1	
	5	#16	2	436	436	654	14.3	
	6	#12.5	2	355	355	533	7.0	
	7	#12.5	2	340	340	510	6.7	
	8	#10	1	285	285	428	1.7	
	9	#10	2	250	250	375	3.1	
	10	#12.5	2	165	165	248	1.6	
	11	#6.3	2	410	410	615	2.0	
	12	#6.3	2	325	325	488	1.6	
	13	#6.3	2	285	285	428	1.4	
	14	#6.3	103			129	15267	32.9
Total+10R:							132.3	
							#6.3:	465.4
							#8:	123.7
							#10:	364.7
							#12.5:	220.0
							#16:	194.5
							#20:	139.5
							Total:	1527.0

NOTAS:
1. CONCRETO fck 30MPa.
2. MEDIDAS EM CENTIMETROS.
3. COBERTURA PARA BLOCOS E BALDRAMES: 4,0

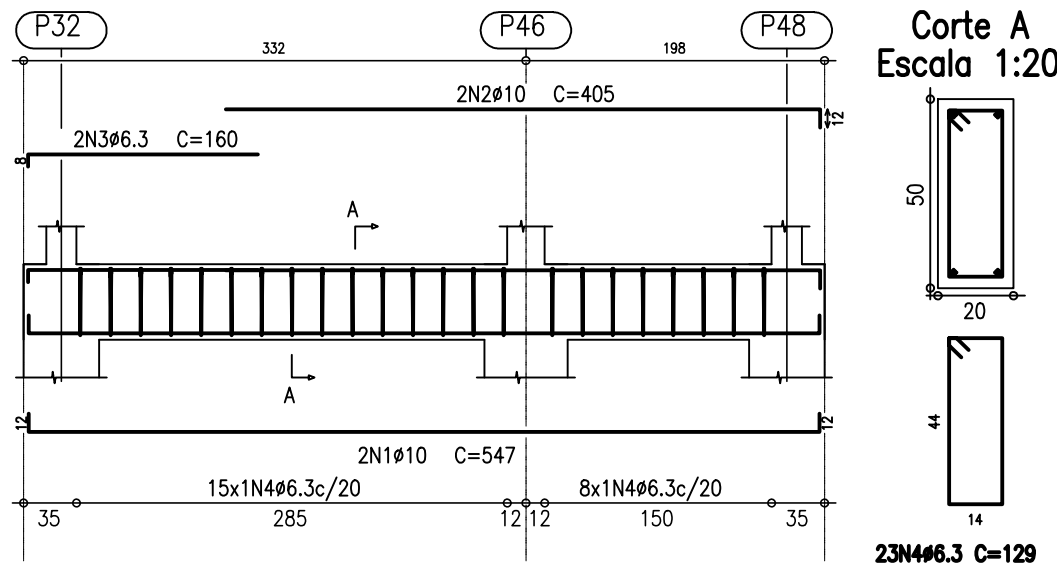
VB36

Escala 1:50



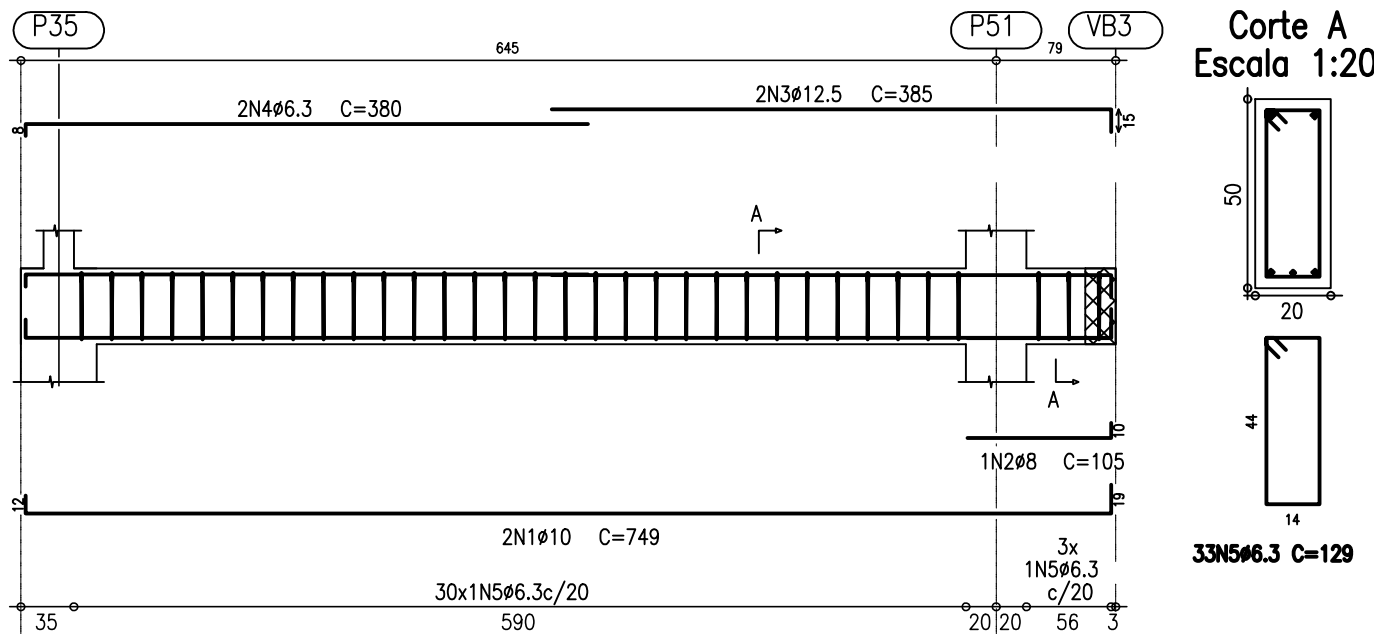
VB38

Escala 1:50



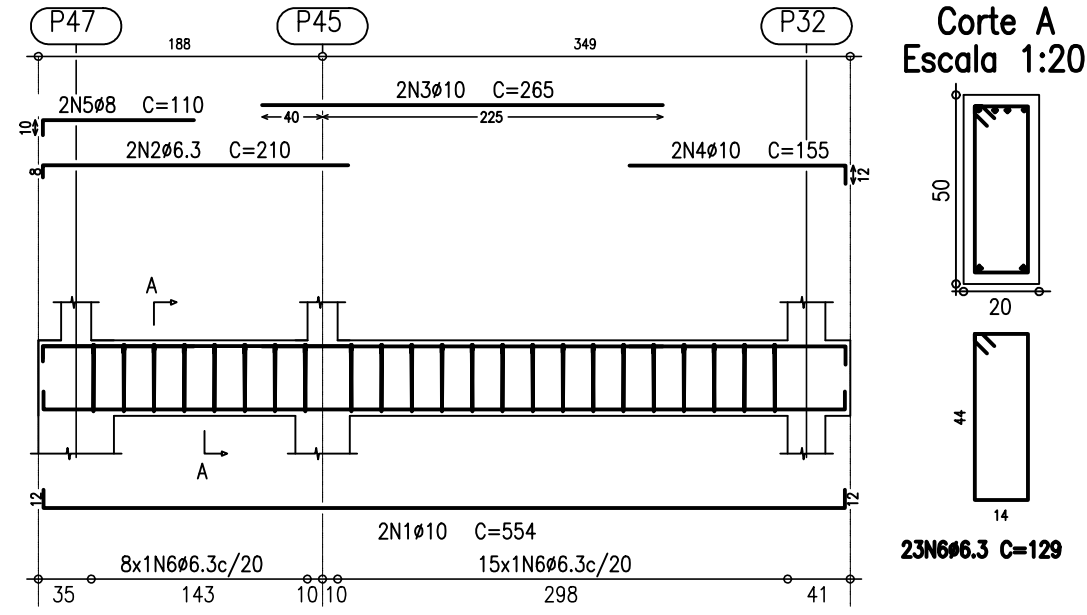
VB42

Escala 1:50



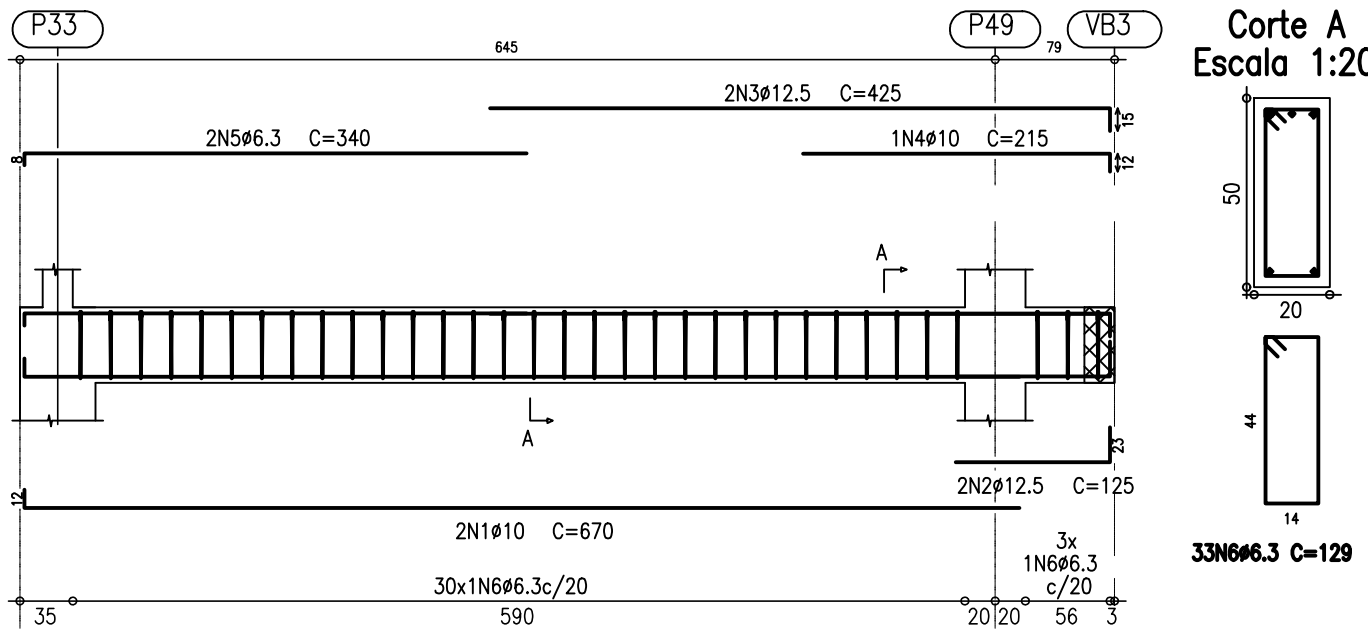
VB37

Escala 1:50



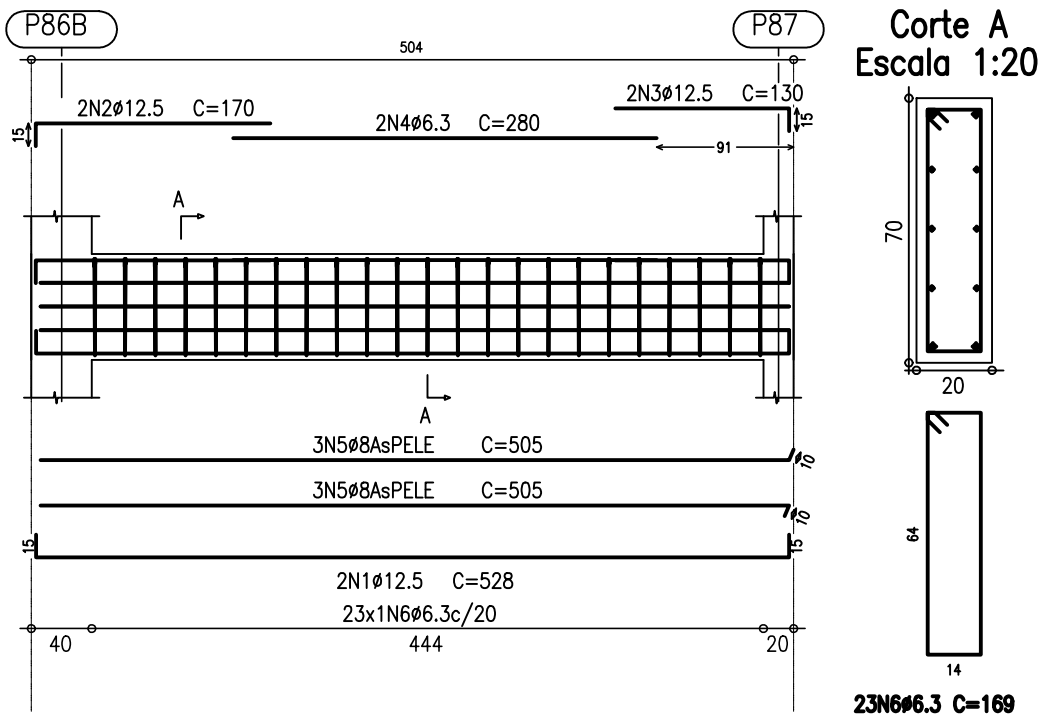
VB40

Escala 1:50



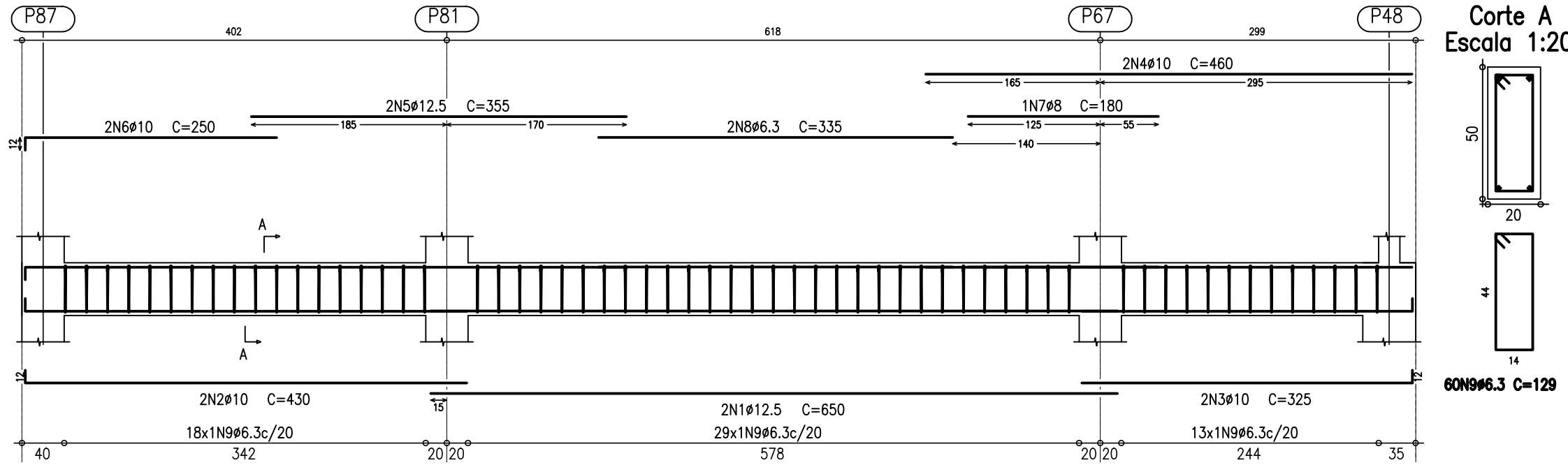
VB18

Escala 1:50



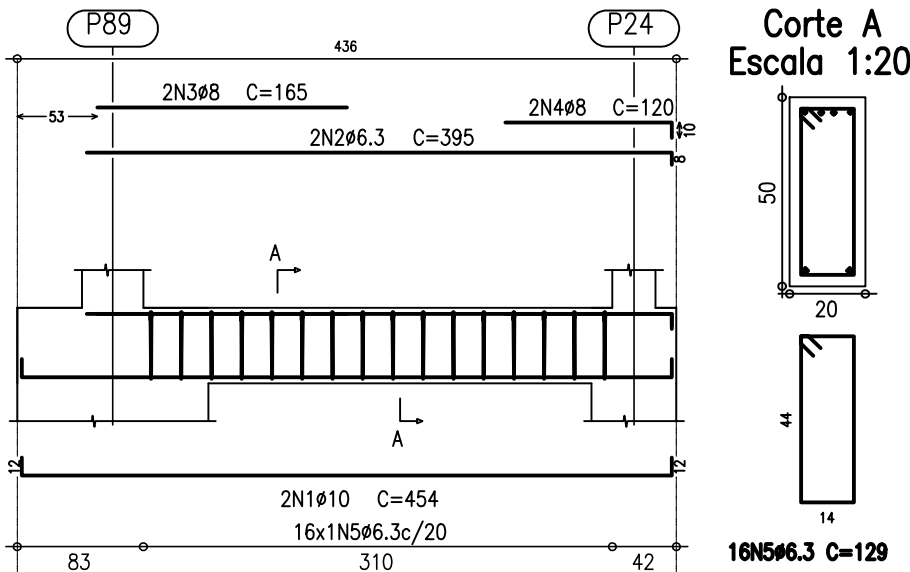
VB39

Escala 1:50



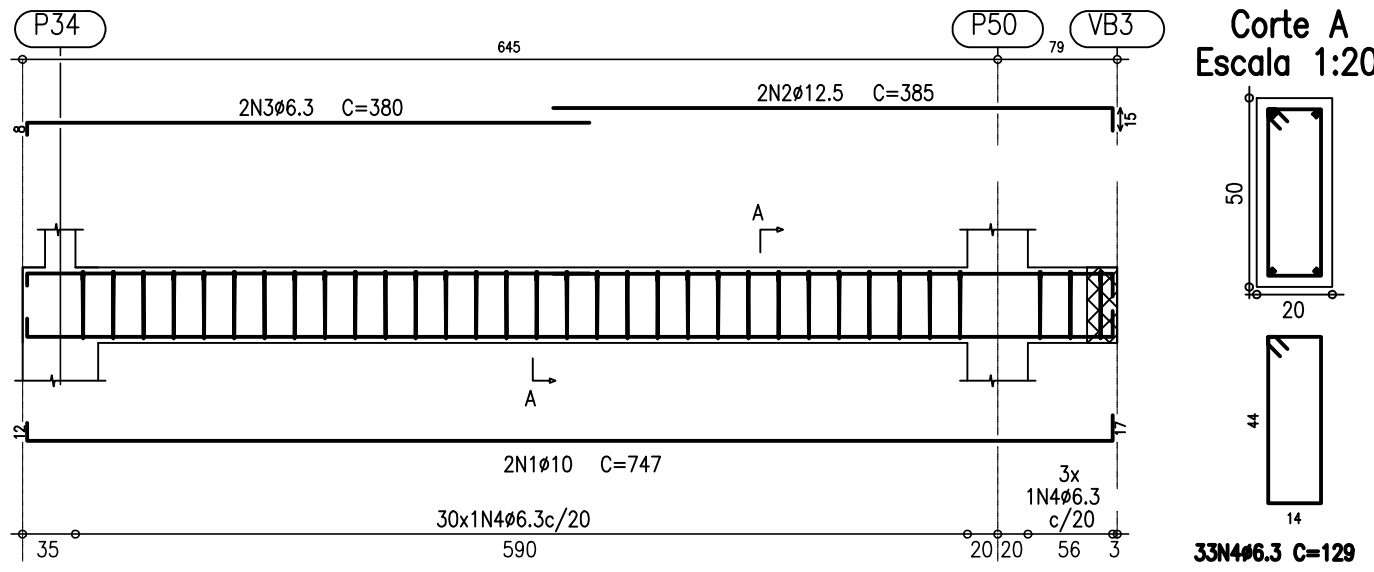
VB20

Escala 1:50



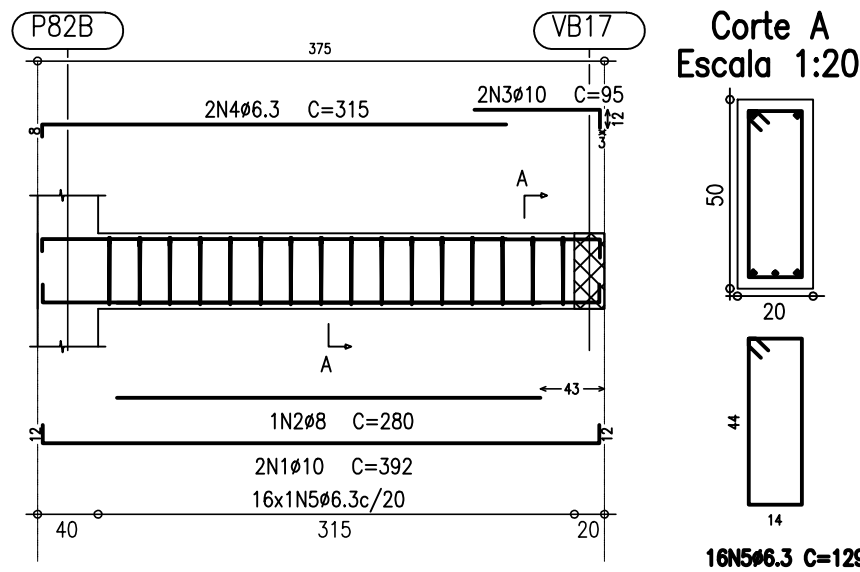
VB41

Escala 1:50



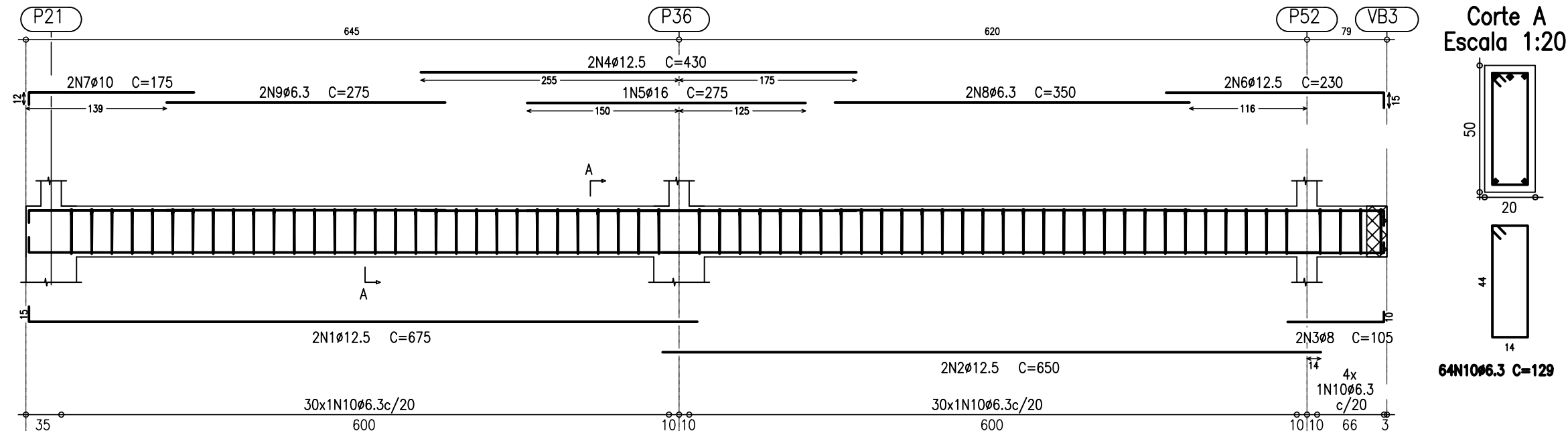
VB15

Escala 1:50



VB43

Escala 1:50



NOTAS:

1. CONCRETO fck 30MPa.
2. MEDIDAS EM CENTÍMETROS.
3. COBRIMENTO PARA BLOCOS E BALDRAMES: 4,0cm.
4. NÍVEL DE REFERÊNCIA: VER PROJETO DE ARQUITETURA
5. FUNDAÇÃO DE ACORDO COM PARECER TÉCNICO

Elemento	Pos.	Diarm.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
VB36	1	ø10	2	12	426	12	450	900	5.7	
	2	ø10	2	12	158		170	340	2.1	
	3	ø6.3	2		297	8	305	610	1.5	
	4	ø6.3	18				129	2322	5.7	
Total+10%:									16.5	
VB37	1	ø10	2	12	530	12	554	1108	7.0	
	2	ø6.3	2	8	202		210	420	1.0	
	3	ø10	2	8	265		265	530	3.3	
	4	ø10	2	8	143	12	155	310	1.9	
	5	ø8	2	10	100		110	220	0.9	
	6	ø6.3	23				129	2967	7.3	
Total+10%:									23.5	
VB38	1	ø10	2	12	523	12	547	1094	6.9	
	2	ø10	2	8	393		405	810	5.1	
	3	ø6.3	2	8	152		160	320	0.8	
	4	ø6.3	23				129	2967	7.3	
Total+10%:									22.1	
VB39	1	ø12.5	2		650		650	1300	12.8	
	2	ø10	2	12	418		430	860	5.4	
	3	ø10	2	8	313	12	325	650	4.1	
	4	ø10	2	8	460		460	920	5.8	
	5	ø12.5	2		355		355	710	7.0	
	6	ø10	2	12	238		250	500	3.1	
	7	ø8	1		180		180	180	0.7	
	8	ø6.3	2		335		335	670	1.7	
	9	ø6.3	60				129	7740	19.1	
Total+10%:									65.7	
VB40	1	ø10	2	12	658		670	1340	8.4	
	2	ø12.5	2	12	125	23	125	250	2.5	
	3	ø12.5	2	8	410	15	425	850	8.3	
	4	ø10	1	203		12	215	215	1.4	
	5	ø6.3	2	8	332		340	680	1.7	
	6	ø6.3	33				129	4257	10.5	
Total+10%:									36.1	
VB41	1	ø10	2	12	718	17	747	1494	9.4	
	2	ø12.5	2	8	370	15	385	770	7.6	
	3	ø6.3	2	8	372		380	760	1.9	
	4	ø6.3	33				129	4257	10.5	
Total+10%:									32.3	
VB42	1	ø10	2	12	718	19	749	1498	9.4	
	2	ø8	1	95	10	105	105	105	0.4	
	3	ø12.5	2	8	370	15	385	770	7.6	
	4	ø6.3	2	8	372		380	760	1.9	
	5	ø6.3	33				129	4257	10.5	
Total+10%:									32.8	
VB43	1	ø12.5	2	15	660		675	1350	13.2	
	2	ø12.5	2	8	650		650	1300	12.8	
	3	ø8	2	95	10	105	105	210	0.8	
	4	ø12.5	2	8	430		430	860	8.4	
	5	ø16	1	275		275	275	275	4.5	
	6	ø12.5	2	215	15	230	460	460	4.5	
	7	ø10	2	12	163		175	350	2.2	
	8	ø6.3	2		350		350	700	1.7	
	9	ø6.3	2		275		275	550	1.4	
	10	ø6.3	64				129	8256	20.4	
Total+10%:									76.7	
VB18	1	ø12.5	2	15	498	15	528	1056	10.4	
	2	ø12.5	2	15	155		170	340	3.3	
	3	ø12.5	2	115	15	130	260	260	2.6	
	4	ø6.3	2	280		280	560	1.4		
	5	ø8	6	495	10	505	3030	11.9		
	6	ø6.3	23			169	3887	9.6		
Total+10%:									43.1	
VB15	1	ø10	2	12	368	12	392	784	4.9	
	2	ø8	1	280		280	280	280	1.1	
	3	ø10	2	8	83	12	95	190	1.2	
	4	ø6.3	2	8	307		315	630	1.6	
	5	ø6.3	16				129	2064	5.1	
Total+10%:									15.3	
VB20	1	ø10	2	12	430	12	454	908	5.7	
	2	ø6.3	2	8	387	8	395	790	2.0	
	3	ø8	2	165		165	330	1.3		
	4	ø8	2	110	10	120	240	0.9		
	5	ø6.3	16				129	2064	5.1	
Total+10%:									16.5	
									ø6.3: 142.8	0.0
									ø8: 19.8	0.0
									ø10: 102.2	0.0
									ø12.5: 111.1	0.0
									ø16: 4.7	0.0
									Total: 380.6	0.0

REALIZAÇÃO



PROJETO

TEA DIADEMA

LOCAL

RUA MANOEL DA NÓBREGA, 889 - CENTRO - DIADEMA/SP

FASE DO PROJETO

Projeto Executivo

TÍTULO

ARMAÇÕES BALDRAMES - NÍVEL INTERMEDIÁRIO - 3ª PARTE

ÁREA TÉCNICA

Estrutura

DATA

NOV/2025

REVISÃO

R01

ESCALA

INDICADA

FOLHA Nº

FL-16