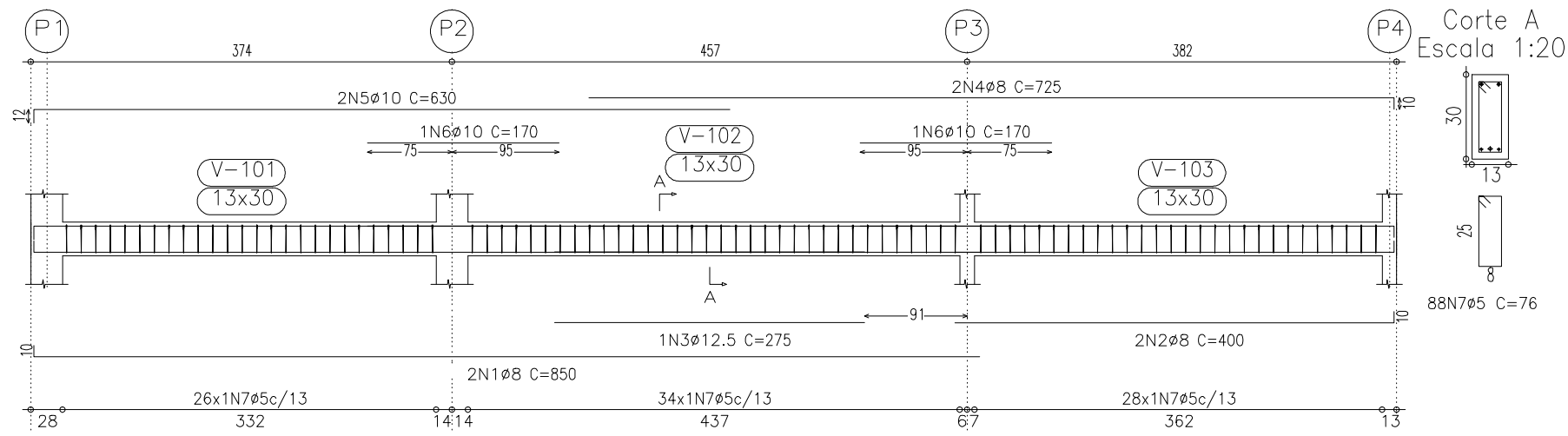
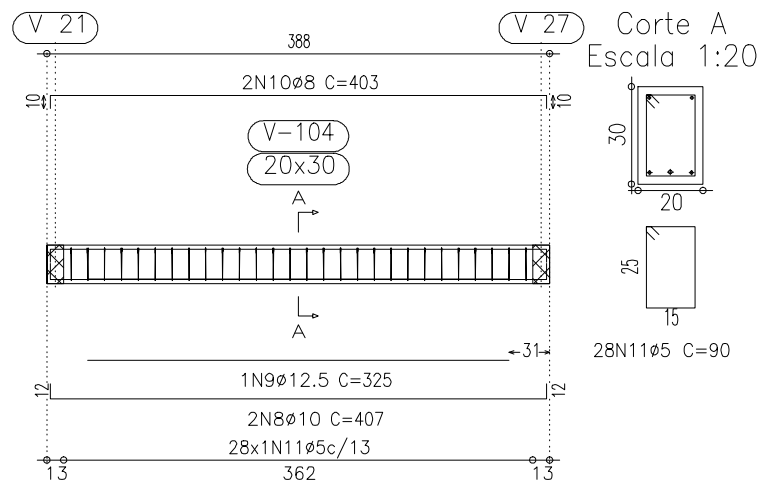


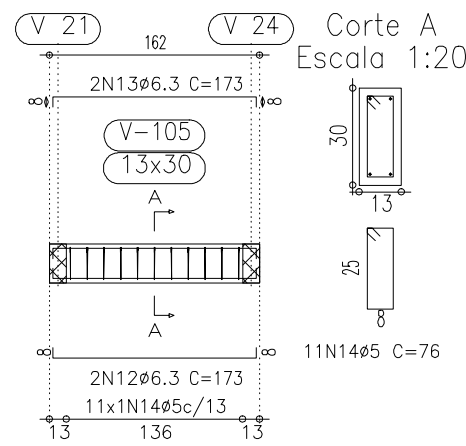
V 1
Escala 1:50



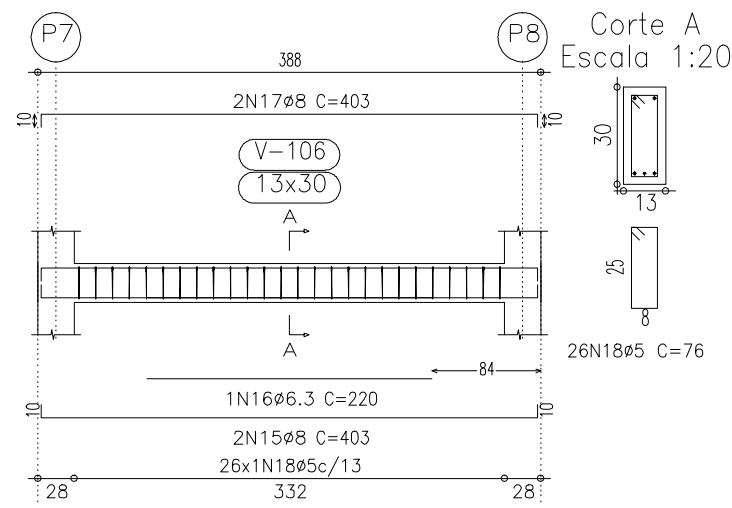
V 2
Escala 1:50



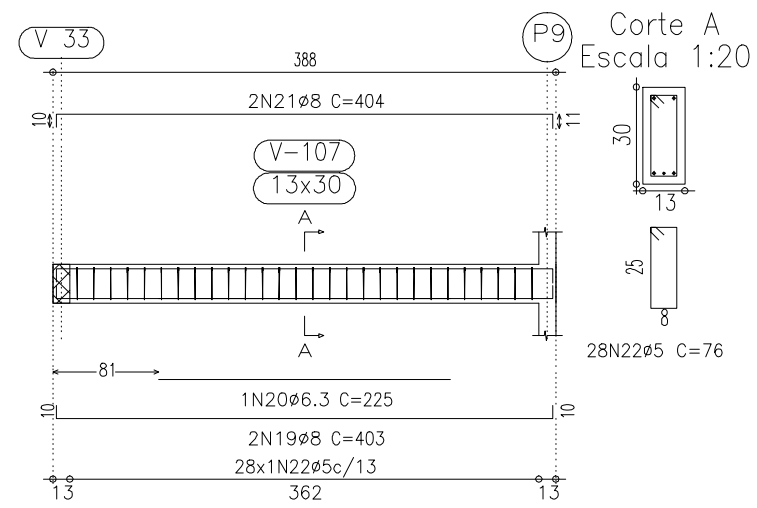
V 3
Escala 1:50



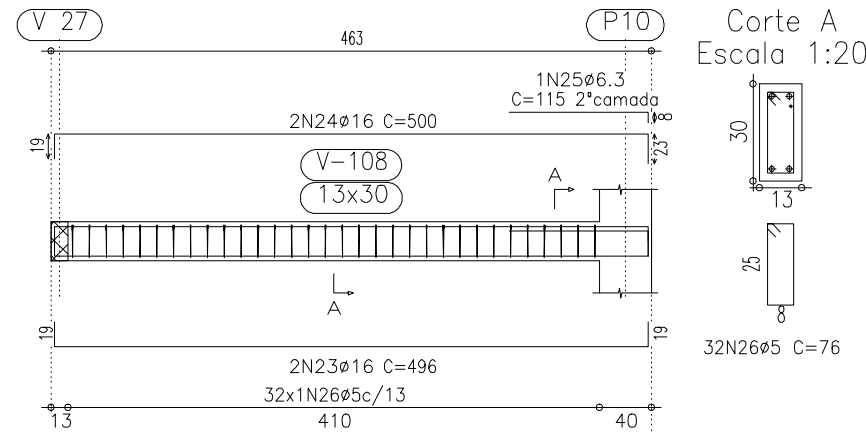
V 4
Escala 1:50



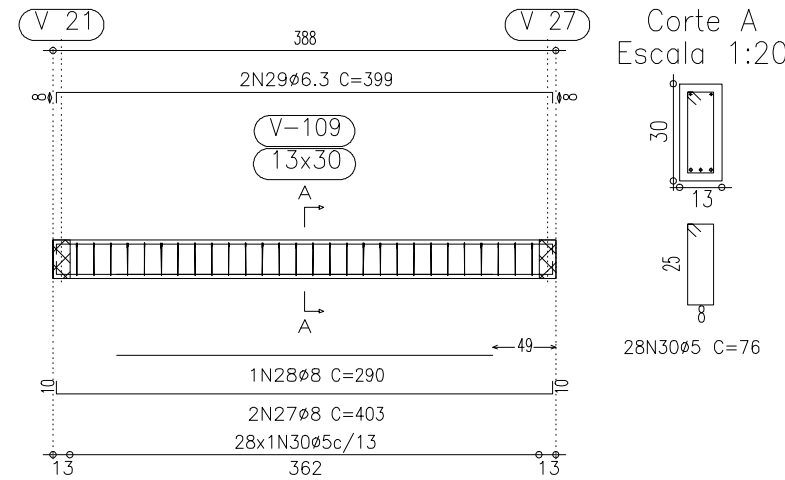
V 5
Escala 1:50



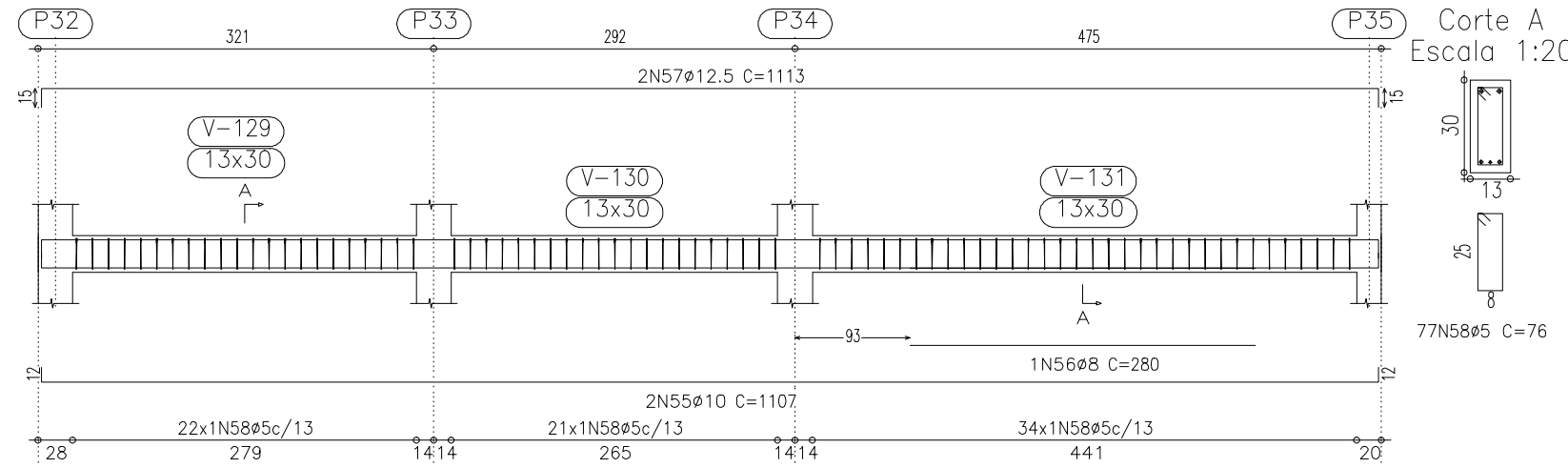
V 6
Escala 1:50



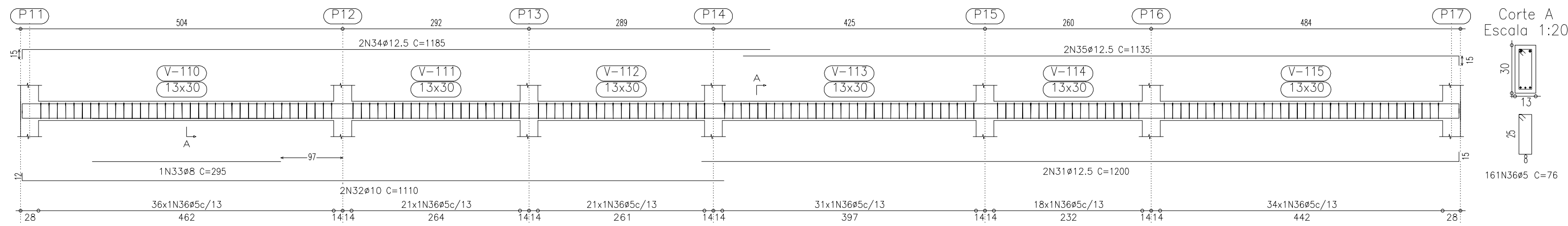
V 7
Escala 1:50



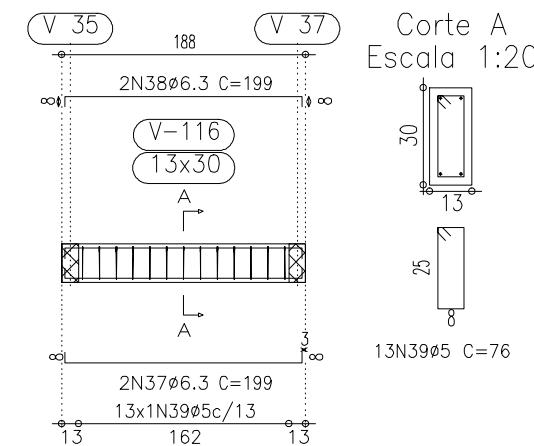
V 12
Escala 1:50



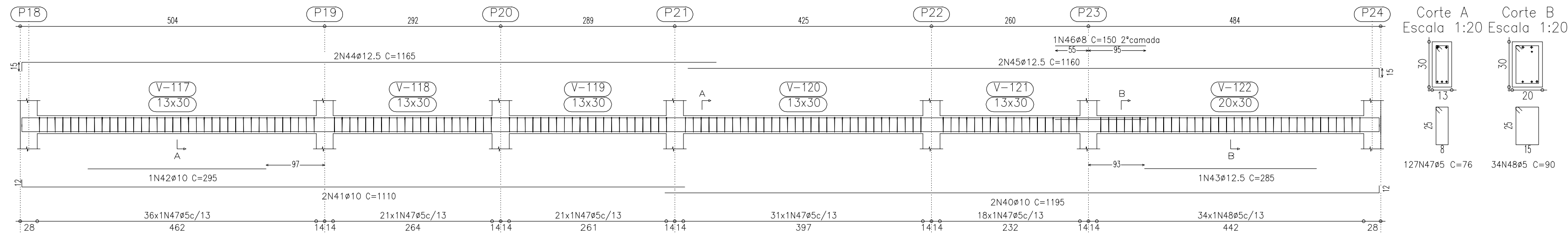
V 8
Escala 1:50



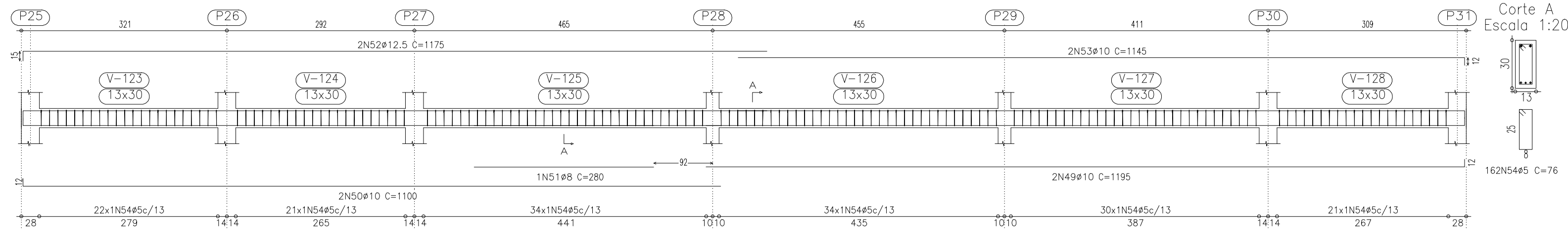
V 9
Escala 1:50



V 10
Escala 1:50



V 11
Escala 1:50



NÍVEL TERREO
DESENHO DE VIGAS
Escala vigas: 1:50
Escala seções: 1:20

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Ret. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1	1	ø8	2	10	340	850	400	1700	6.7	
	2	ø8	2	10	390	10	400	800	3.1	
	3	ø12.5	1	275	275	275	275	1100	2.7	
	4	ø8	2	10	715	1450	630	2510	5.7	
	5	ø10	2	12	618	1260	340	1896	2.1	
	6	ø10	2	12	170	170	76	516	1.1	
	7	ø5	88					6688	10.5	
Total+10%									31.0	11.6
V 2	8	ø10	2	12	383	12	407	814	5.1	
	9	ø12.5	1	325	325	325	325	1300	3.2	
	10	ø8	2	10	383	10	403	806	3.2	
	11	ø5	28					2520	4.0	
Total+10%									12.7	4.4
V 3	12	ø6.3	2	8	157	8	173	346	0.9	
	13	ø6.3	2	8	157	8	173	346	0.9	
	14	ø5	11					836	1.3	
Total+10%									2.0	1.4
V 4	15	ø8	2	10	383	10	403	806	3.2	
	16	ø6.3	1	220	220	220	220	880	0.5	
	17	ø8	2	10	383	10	403	806	3.2	
	18	ø5	26					2176	3.1	
Total+10%									7.6	3.4
V 5	19	ø8	2	10	383	10	403	806	3.2	
	20	ø6.3	1	225	225	225	225	900	0.6	
	21	ø8	2	10	383	11	404	808	3.2	
	22	ø5	28					2128	3.3	
Total+10%									7.7	3.6
V 6	23	ø16	2	19	458	19	496	992	15.6	
	24	ø16	2	19	458	23	500	1000	15.7	
	25	ø6.3	1	107	107	8	115	230	0.3	
	26	ø5	32					2432	3.8	
Total+10%									34.8	4.2
V 7	27	ø8	2	10	383	10	403	806	3.2	
	28	ø8	1	290	290	290	290	1160	1.1	
	29	ø6.3	2	8	383	8	399	798	2.0	
	30	ø5	28					2128	3.3	
Total+10%									6.9	3.6
V 8	31	ø12.5	2	1185	15	1200	2400	23.6		
	32	ø10	2	12	1098	1110	2220	13.9		
	33	ø8	1	295	295	295	295	1180	1.2	
	34	ø12.5	2	15	1170	1185	2370	23.3		
	35	ø12.5	2	1120	15	1135	2270	22.3		
	36	ø5	161					12236	19.2	
Total+10%									92.7	21.1
V 9	37	ø6.3	2	8	183	8	199	398	1.0	
	38	ø6.3	2	8	183	8	199	398	1.0	
	39	ø5	13					988	1.6	
	Total+10%								2.2	1.8
V 10	40	ø10	2	1183	12	1195	2390	15.0		
	41	ø10	2	12	1098	1110	2220	13.9		
	42	ø10	1	295	295	295	295	1180	1.2	
	43	ø12.5	1	285	285	285	285	1140	2.8	
	44	ø12.5	2	15	1150	1165	2330	22.9		
	45	ø12.5	2	1145	15	1160	2320	22.8		
	46	ø8	1	150	150	150	150	600	0.6	
	47	ø5	127					9552	15.2	
	48	ø5	34					3060	4.8	
Total+10%									87.9	22.0
V 11	49	ø10	2	1183	12	1195	2390	15.0		
	50	ø10	2	12	1098	1100	2200	13.8		
	51	ø8	1	280	280	280	280	1120	1.1	
	52	ø12.5	2	15	1160	1175	2350	23.1		
	53	ø10	2	1133	12	1145	2290	14.4		
	54	ø5	162					12312	19.3	
Total+10%									74.1	21.2
V 12	55	ø10	2	12	1083	12	1107	2214	13.9	
	56	ø8	1	280	280	280	280	1120	1.1	
	57	ø12.5	2	15	1083	15	1113	2226	21.8	
	58	ø5	77					9852	9.2	
Total+10%									40.5	10.1
									ø5:	0.0
									ø6.3:	8.2
									ø8:	45.7
									ø10:	128.6
									ø12.5:	185.2
									ø16:	34.4
									Total:	400.1
										108.4

AUTOR: _____

Projeto de Estrutura de Concreto Armado

CONTEÚDO: _____

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE NOVA CRUZ

LOCAL: CEDRON

nr	descrição	data	visão	formato	folha
01	02	03	04	05	06
07	08	09	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</