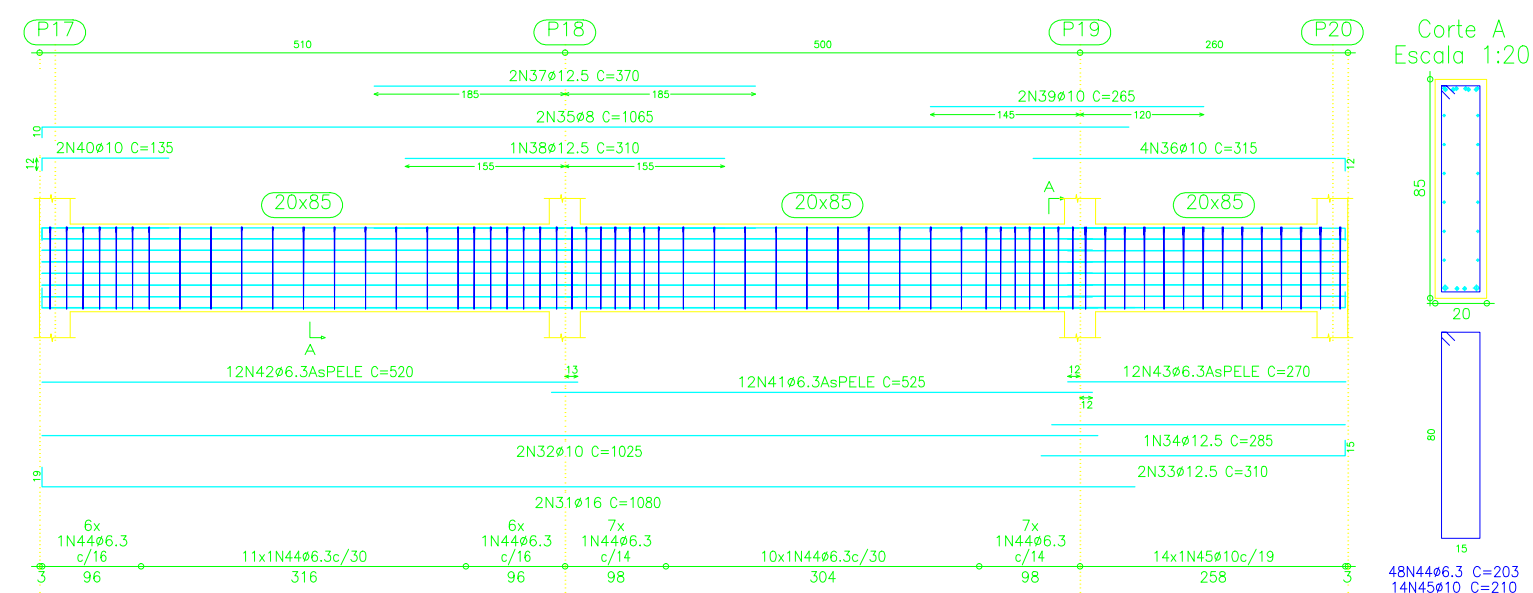
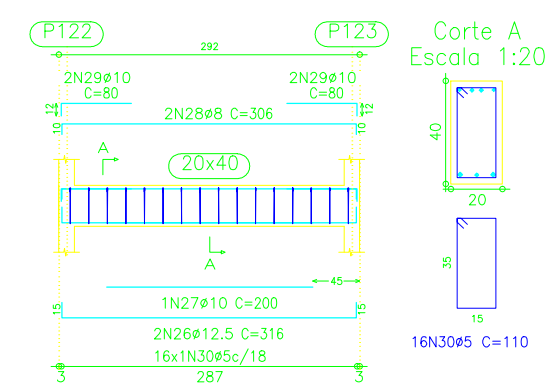
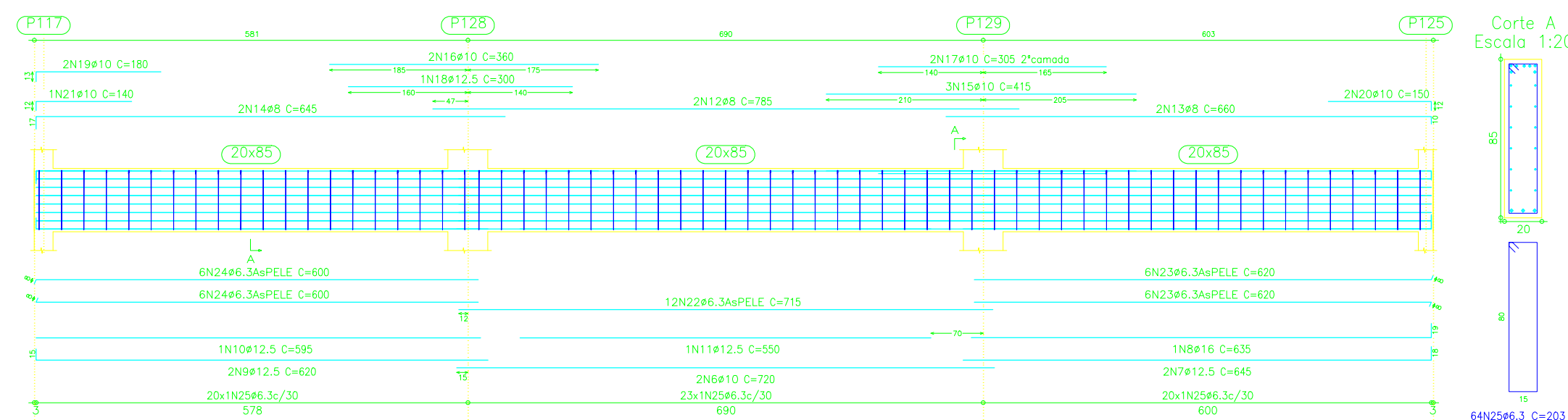
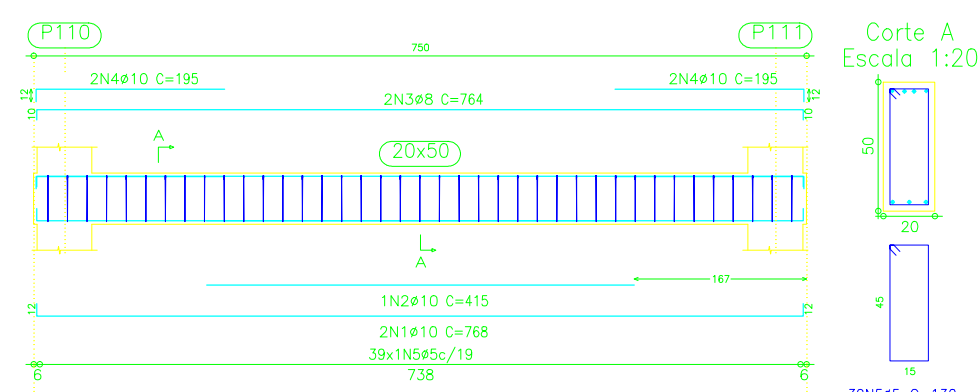
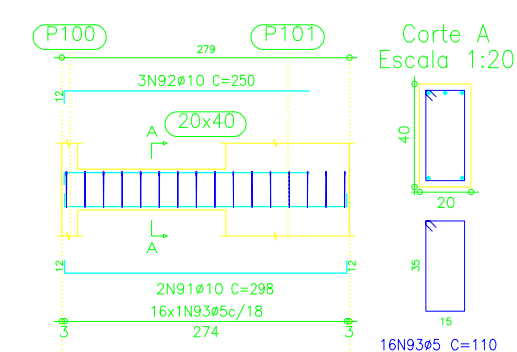
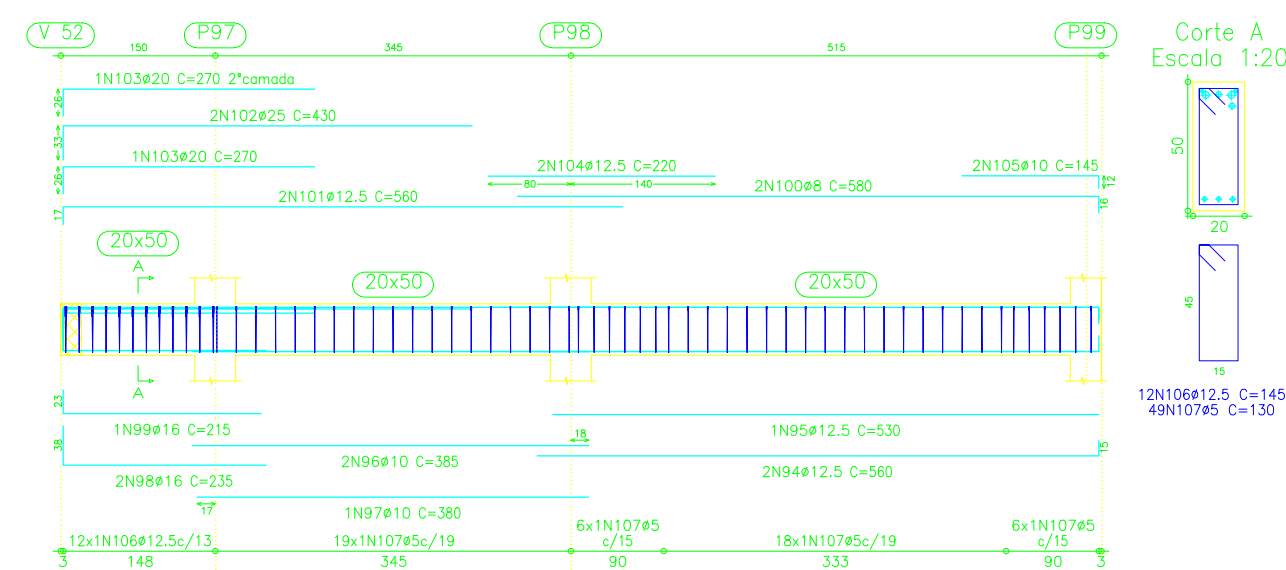
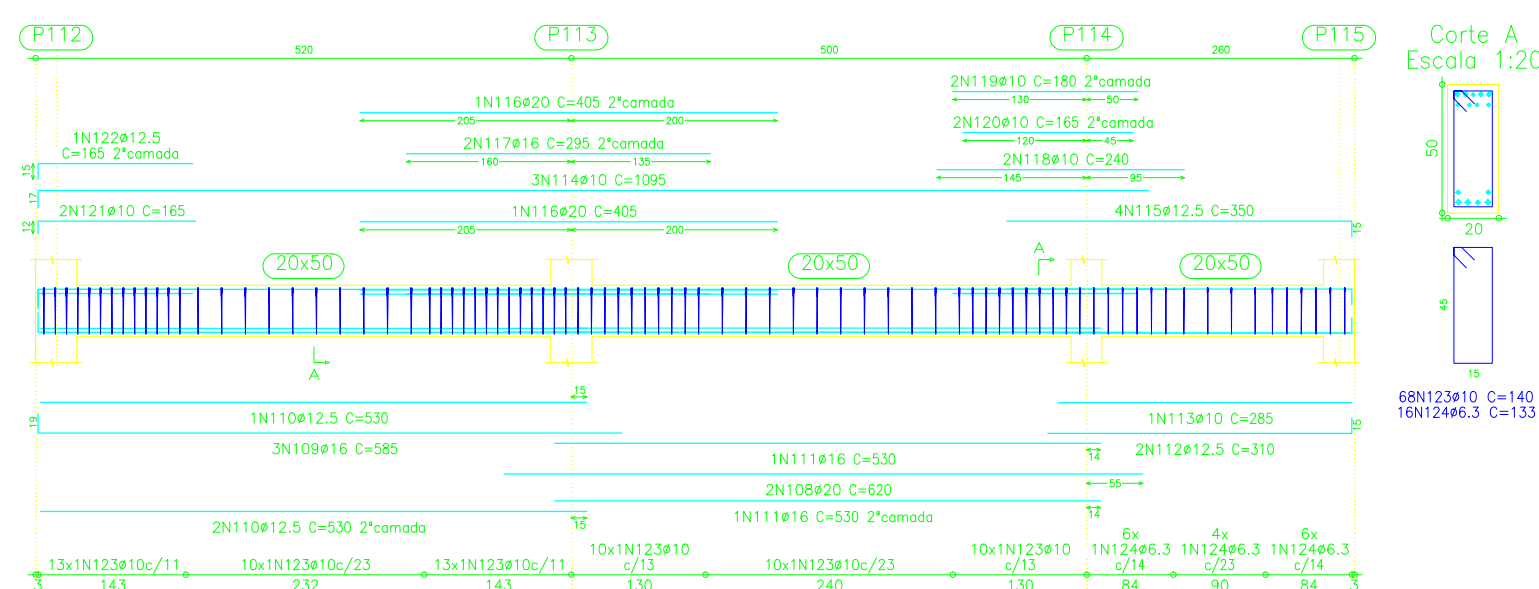
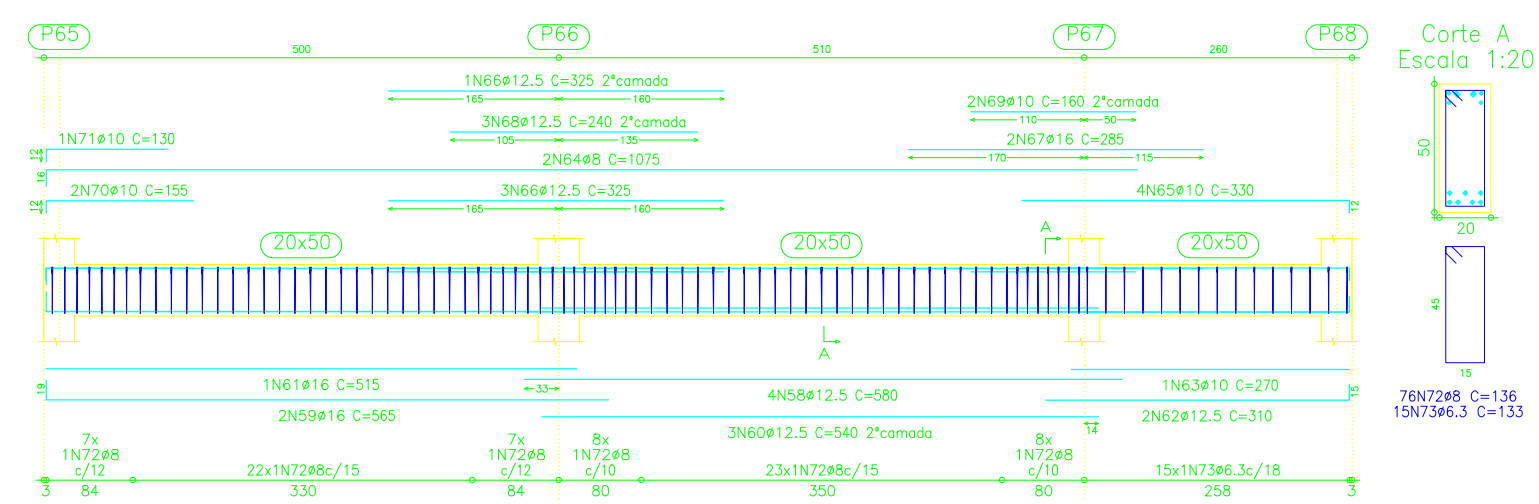
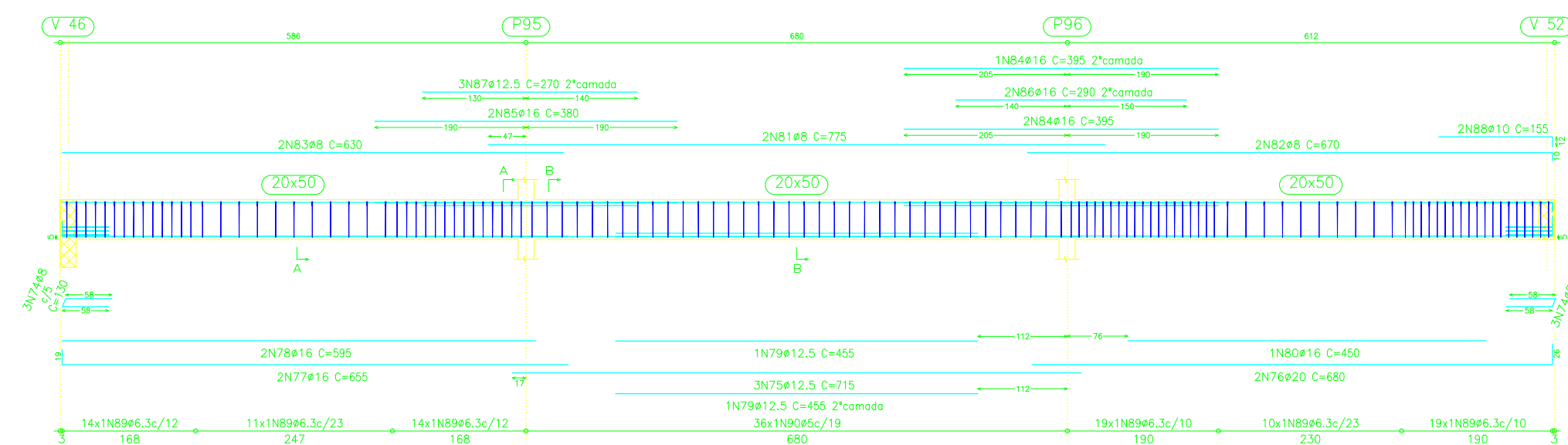
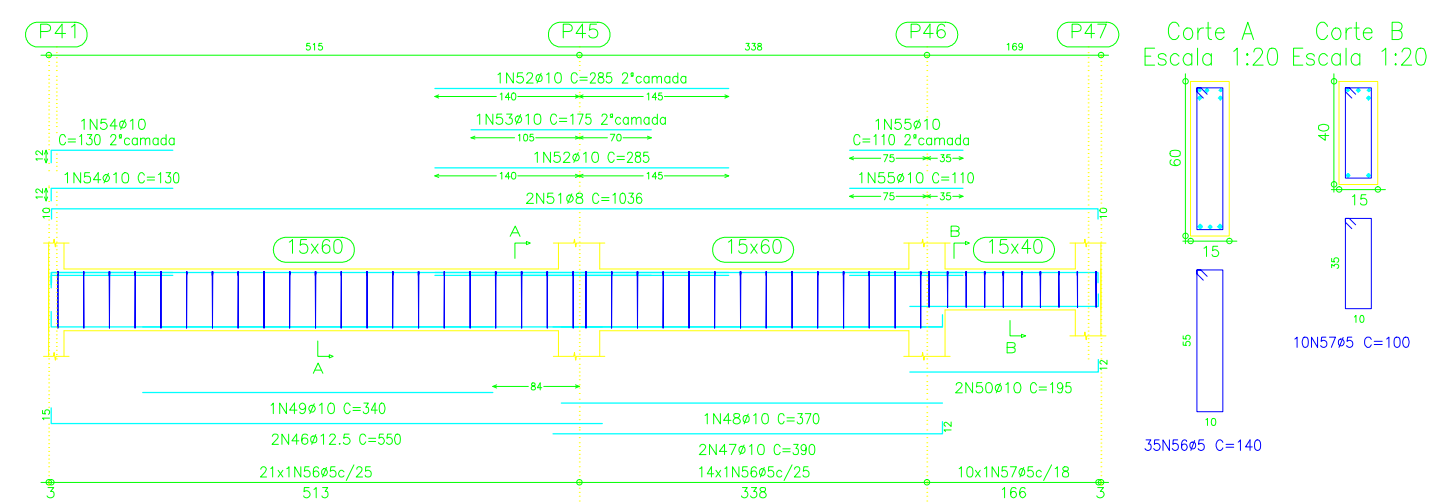




Primeiro piso
Desenho de vigas
Concreto: C25, con.desfav.
Aço: CA-50-A e CA-60-B
Escola vigas: 1:50
Escola seções: 1:20

[illegible]

Elemento	Pos. diam.	Q	D _{tot} (cm)	Reb (cm)	Comp. (cm)	Tota (CA-50)	(CA-60)	(CA-68)
VIE	31	16	19	1080	2180	53.9		
	32	16	1005	1025	2025	52.8		
	33	17.25	28	135	110	620	61	
	34	17.25	28	135	110	205	28	
	35	16	10	1055	1055	2130	84	
	36	17.25	28	135	110	780	78	
	37	17.25	30	120	370	740	7.3	
	38	17.25	30	120	370	740	7.3	
	39	16	10	1055	265	530	3.3	
	40	17.25	30	120	135	170	17	
	41	16.3	12	525	525	1300	15.6	
	42	16.3	12	525	525	620	14.7	
	43	16.3	12	270	270	3240	80	
	44	16.3	12	525	525	954.5	15.6	
	45	16.3	14		210	2940	18.5	
Total=1080							108.2	
VISO	46	17.25	2	15	535	1170		
	47	16	1	378	120	780	4.9	
	48	17.25	2	15	370	780	4.9	
	49	16	1	340	340	340	2.1	
	50	17.25	2	15	495	285	3.6	
	51	16.3	10	1016	10	1038	27.1	
	52	16.3	10	1016	10	378	3.6	
	53	16	12	175	175	175	1.1	
	54	16.3	12	175	175	175	1.1	
	55	16	10	110	110	220	1.4	
	56	16.3	10	110	110	4900	7.7	
	57	16.3	10	110	110	1000	7.7	
Total=1080							42.1	10.2
VIB	58	17.25	2	19	380	330		
	59	16	1	546	565	1130	17.7	
	60	17.25	2	19	380	330		
	61	16.16	1	515	515	515	8.1	
	62	16.16	1	515	515	515	8.1	

62	\$12.5	2	295	15	370	820	6.1
66	\$10	2	270		270		6.1
64	\$8	2	16	1059	1075	2150	8.4
65	\$10	4	318	12	330	1320	8.3
66	\$12.5	4	325		325	1300	12.8
67	\$16	2	285		285	570	8.9
68	\$12.5	3	240		240	720	7.1
69	\$10	2	160		160	320	2.0
70	\$10	2	12	143	155	310	1.9
71	\$10	1	12	118	130	130	0.8
72	\$8	15			136	10200	40.0
73	\$6.1	75			133	1995	4.9

[illegible]

					Total+10%	228.0	8.0
V 116	91	ø10	2	12	274	298	3.7
	92	ø10	3	12	238	250	4.7
	93	ø5	16			110	1760
					Total+10%	9.2	3.1

V 115	94	ø12.5	2	545	15	560	1120	9.2	
	95	ø12.5	1	530		530	530	5.2	
	96	ø10	2	385		385	770	4.8	
	97	ø10	1	380		380	380	2.4	

98	016	2	38	197	235	470	7.4
99	016	23	192	515	215	34	
100	05	2	134	580	1160	4.6	
101	012.5	2	17	543	560	1120	11.0
102	025	2	33	397	430	860	33.8
103	020	2	26	244	270	540	13.4
104	012.5	2		220	220	440	4.3
105	010	2		145	290	58	
106	015	2		145	1740	17.1	
107	05	49		130	6370		10.0

						Total+10%	132.2		
V 118	108	ø20	2		620		620	1240	30.7
	109	ø16	3	19	566		585	1755	27.6
	110	ø12.5	3		530		530	1590	15.6

111	ø16	2		530		530	1060	16.6
112	ø12.5	2		295	15	310	620	6.1
113	ø10	1		285		285	285	1.8
114	ø10	3	17	1078		1095	3285	20.6
115	ø12.5	4		335	15	350	1400	13.7

116	ø20	2	405	405	810	20.0
117	ø16	2	295	295	590	9.3
118	ø10	2	240	240	480	3.0
119	ø10	2	180	180	360	2.3
120	ø10	2	165	165	330	2.1

121	ø10	2	12	153		165	330	2.1
122	ø12.5	1	15	150		165	185	1.8
123	ø10	66				140	9240	58.0
124	ø6.3	16				133	2128	5.3

	Total (+10%):	260.0	
	\$5:	0.0	44.2
	\$6.3:	209.2	0.0
	\$8:	125.3	0.0
	\$10:	262.0	0.0

#12.5:	289.7	0.0
#16:	251.6	0.0
#20:	107.5	0.0
#25:	37.2	0.0
Total:	1282.5	44.2

Classe de Agregação:	C II	Es(5600 fca):	√	Agreg. Graúdo:	Brita 01
CONCRETO(fca):	25 MPa	AÇO:	CA 50	SLUMP (mm):	100+10
relat A/C (max.):	< 0,60	FORMAS:	C. Res.	ADITIVO:	

FASE	PROJETO EXECUTIVO DE ESTRUTURAL

PAVILHÃO DE SALAS DE AULA II

CAMPUS JK / DIAMANTINA

[illegible]

VERSÃO 1	DATA 17.10.2012	AD(10000)	FOLHA 21
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