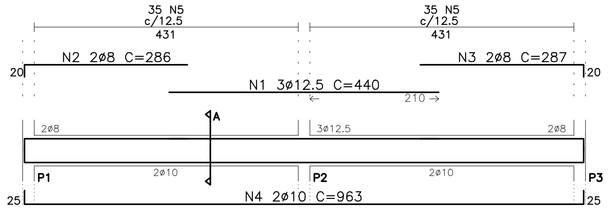
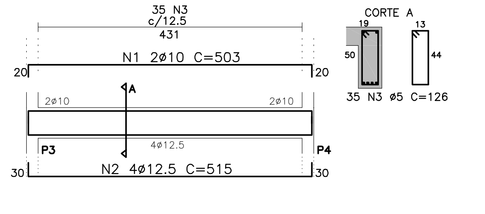
ESC. PLOT. 1:20	
A0 841x1189	
CORES/ESP.	
RED	0,20
YELLOW	0,50
GREEN	0,30
CYAN	0,40
BLUE	0,30
MAGENTA	0,10
WHITE	0,70
COR 8	0,30

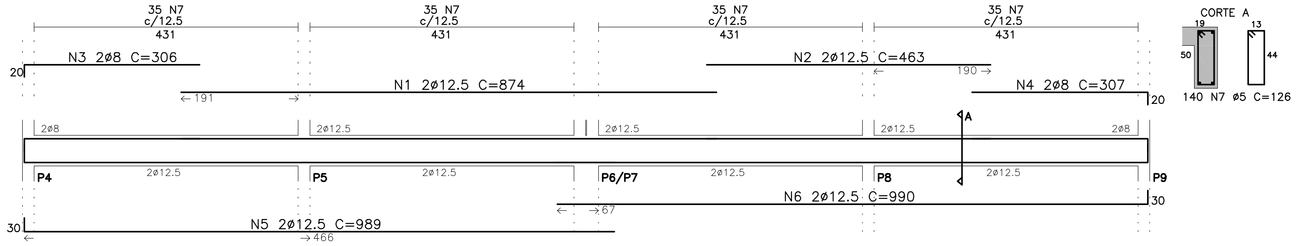
VB1 (19/50)



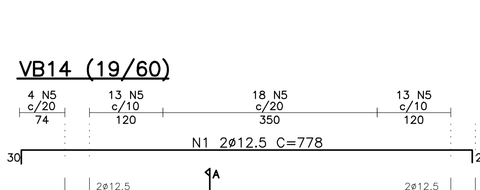
VB2 (19/50)



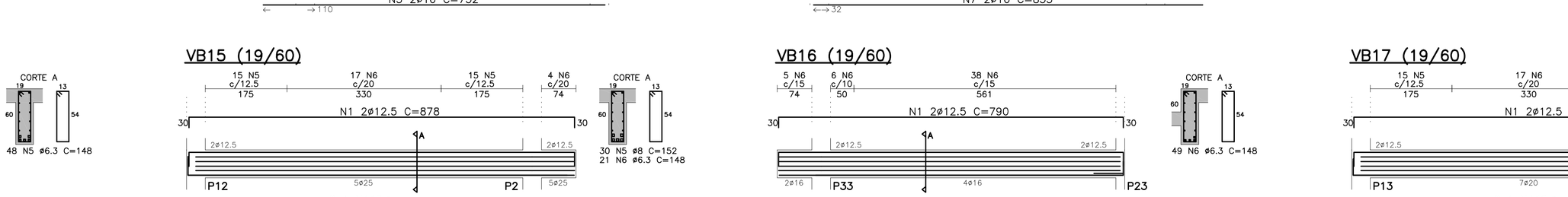
VB3 (19/50)



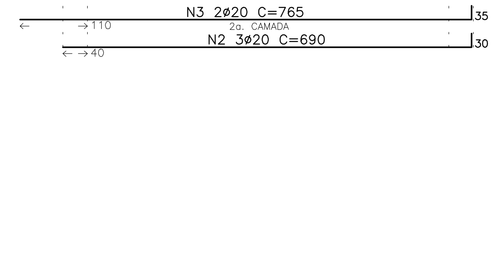
VB4 (19/50)



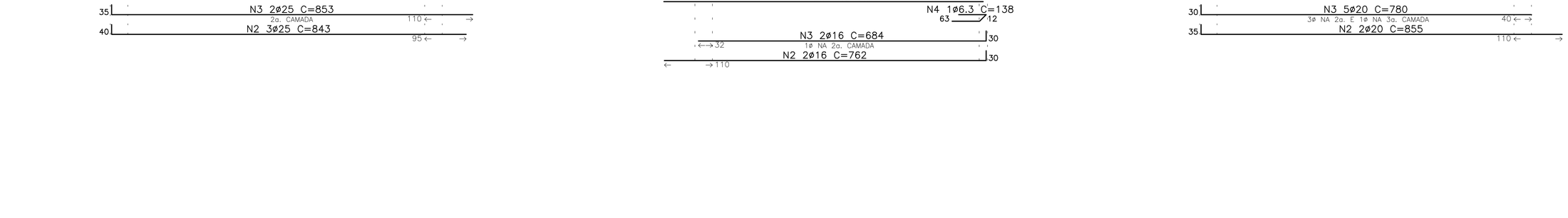
VB5 (19/50)



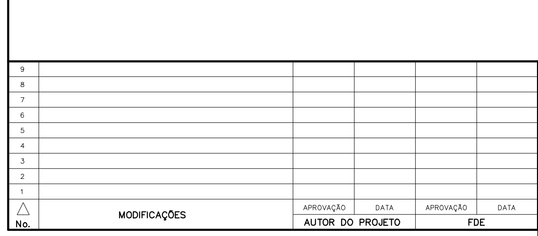
VB6 (19/50)



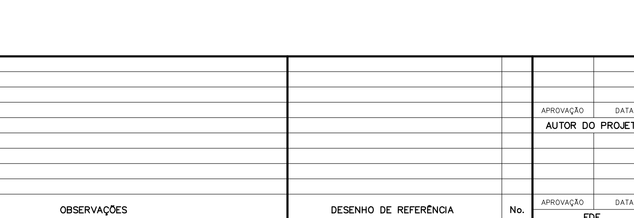
VB7 (19/50)



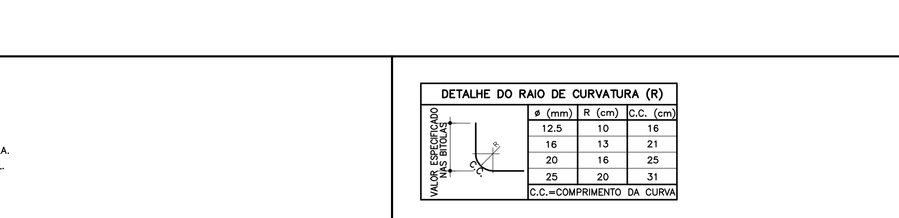
VB8 (19/50)



VB9 (19/50)



VB10 (19/50)



VB12 (19/50)

VB11 (19/50)

VB13 (19/60)

VB14 (19/60)

VB15 (19/60)

VB16 (19/60)

VB17 (19/60)

VB13				
N	ø	Q	UNI	TOTAL
1	12.5	2	877	1754
2	16	1	811	811
3	16	2	721	1442
4	12.5	2	618	1236
5	16	2	732	1464
6	12.5	7	525	1050
7	16	2	833	1666
8	16	1	622	622
9	6.3			16434
10	6.3	128	148	18944

VB14				
N	ø	Q	UNI	TOTAL
1	12.5	2	778	1556
2	20	3	690	2070
3	20	2	765	1530
4	6.3			5883
5	6.3	48	148	7104

VB15				
N	ø	Q	UNI	TOTAL
1	12.5	2	878	1756
2	25	3	843	2529
3	25	2	853	1706
4	6.3			6618
5	8	30	152	4560
6	6.3	21	148	3108

VB16				
N	ø	Q	UNI	TOTAL
1	12.5	2	790	1580
2	16	2	782	1524
3	16	2	684	1368
4	6.3	1	138	138
5	6.3			5965
6	6.3	49	148	7252

VB17				
N	ø	Q	UNI	TOTAL
1	12.5	2	878	1756
2	20	2	855	1710
3	20	5	780	3900
4	6.3			6618
5	8	30	152	4560
6	6.3	21	148	3108

RESUMO DAS VIGAS DA FUNDAÇÃO (01/02)

ACO	ø	COMPR(cm)	PESO(kg)
60B	5	69174	111
50A	6.3	133936	335
50A	8	19764	80
50A	10	6230	40
50A	12.5	60890	609
50A	16	22275	357
50A	20	14010	351
50A	25	4235	170
PESO TOTAL (kg)			2053

VB1				
N	ø	Q	UNI	TOTAL
1	12.5	3	440	1320
2	8	2	286	572
3	8	2	287	574
4	10	2	963	1926
5	5	70	126	8820

VB2				
N	ø	Q	UNI	TOTAL
1	10	2	503	1006
2	12.5	4	515	2060
3	5	35	126	4410

VB3				
N	ø	Q	UNI	TOTAL
1	12.5	2	874	1748
2	12.5	2	463	926
3	8	2	306	612
4	8	2	307	614
5	12.5	2	989	1978
6	12.5	2	990	1980
7	5	140	126	17640

VB4				
N	ø	Q	UNI	TOTAL
1	10	2	503	1006
2	12.5	4	515	2060
3	5	35	126	4410

VB5				
N	ø	Q	UNI	TOTAL
1	16	2	898	1796
2	16	2	350	700
3	16	2	330	330
4	16	3	478	1434
5	12.5	2	891	1782
6	12.5	2	771	1542
7	16	2	470	940
8	16	2	350	700
9	10	2	286	572
10	10	2	287	574
11	12.5	2	948	1896
12	12.5	2	422	844
13	12.5	2	931	1862
14	12.5	2	370	370
15	12.5	2	952	1904
16	12.5	1	340	340
17	12.5	4	498	1992
18	6.3	201	128	25728

VB6				
N	ø	Q	UNI	TOTAL
1	12.5	2	501	1002
2	20	3	516	1548
3	20	2	516	1032
4	8	18	132	2376
5	6.3	10	128	1280

VB7				
N	ø	Q	UNI	TOTAL
1	16	3	470	1410
2	12.5	4	438	1752
3	16	2	946	1892
4	16	1	750	750
5	12.5	4	459	1836
6	16	3	470	1410
7	10	2	288	572
8	10	2	287	574
9	16	2	504	1008
10	12.5	2	931	1862
11	12.5	1	350	350
12	12.5	2	931	1862
13	12.5	1	350	350
14	12.5	2	481	962
15	16	2	504	1008
16	6.3	1	137	137
17	6.3	1	137	137
18	6.3	182	128	23296

VB8				
N	ø	Q	UNI	TOTAL
1	12.5	2	511	1022
2	20	4	555	2220
3	8	14	132	1848
4	6.3	12	128	1536

VB9				
N	ø	Q	UNI	TOTAL
1	12.5	3	440	1320
2	8	2	286	572
3	8	2	287	574
4	12.5	2	965	1930
5	5	70	126	8820

VB10				
N	ø	Q	UNI	TOTAL
1	12.5	2	830	1660
2	12.5	1	710	710
3	8	2	330	660
4	6.3	2	325	650
5	12.5	2	472	1416
6	12.5	2	450	900
7	12.5	3	472	1416
8	5	96	126	12096

VB11				
N	ø	Q	UNI	TOTAL
1	12.5	3	440	1320
2	8	2	305	610
3	8	2	287	574
4	12.5	2	976	1952
5	5	70	126	8820

VB12				
N	ø	Q	UNI	TOTAL
1	8	2	529	1058
2	12.5	4	494	1976
3	5	33	126	4158

PAD CR-2 - PADRÃO ESTACA C/ LAJE 204

No.	MODIFICAÇÕES	APROVAÇÃO	DATA	APROVAÇÃO	DATA
		AUTOR DO PROJETO		FDE	

OBSERVAÇÕES

DESENHO DE REFERÊNCIA | No. | APROVAÇÃO | DATA | FDE

APROVAÇÃO | DATA | AUTOR DO PROJETO

NOTAS:

01-CONCRETO: fck ≥ 25 MPa
02-AÇO: CA-50 – fyk=500 MPa
CA-60 – fyk=600 MPa
03-MEDIDAS EM cm, NÍVEIS EM m.
04-NÃO TIRAR MEDIDAS EM ESCALA.
05-CONFIRMAR MEDIDAS NO LOCAL.
06-COBRIMENTO=3,0cm.

DETALHE DO RAIO DE CURVATURA (R)

VARA DOBRADOR DE BITOLAS

ø (mm)	R (cm)	C.C. (cm)
12.5	10	16
16	13	21
20	16	25
25	20	31

C.C.=COMPRIMENTO DA CURVA

FDE
FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO

FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO – F D E

ESCOLA – NOME/LOCAL: –	CÓDIGO: 1 2 0 1 0 4 6
INTERVENÇÃO: CRECHE – CR-2	Nº LOTE: 01
ETAPA/ÁREA TÉCNICA: PROJETO EXECUTIVO DE ESTRUTURA	TIPO PROJETO: PADRÃO / DATA: MAR/2011 / ETAPA/ÁREA TÉCNICA: PE – EST
CONTEÚDO: ARMAÇÃO DAS VIGAS DA FUNDAÇÃO (01/02)	ESCALA: INDICADA / FOLHA: 29/00 / REVISÃO: 00

DESENHO GERADO PELO SISTEMA CAD – POR ENGECALC ENGENHARIA E PROJETOS ESTRUTURAIS S/C LTDA

12010146_01EPE2900_01