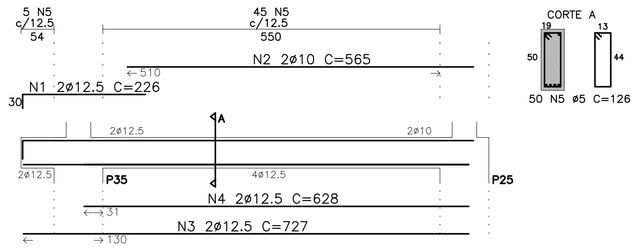
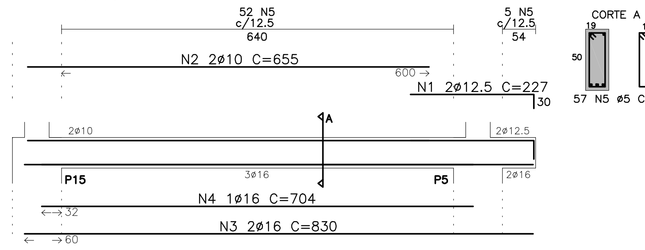
ESC. PLOT. 1=20
AO 841x1189
CORES/ESP.
RED 0,20
YELLOW 0,50
GREEN 0,30
CYAN 0,40
BLUE 0,30
MAGENTA 0,10
WHITE 0,70
COR 8 0,30

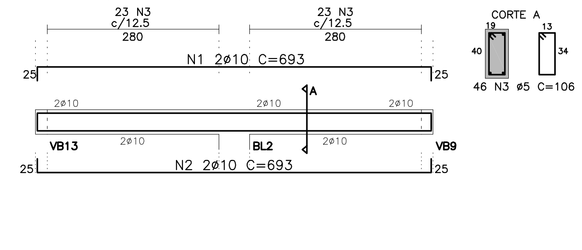
VB27 (19/50)



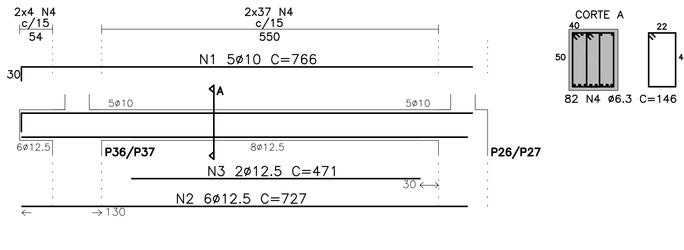
VB28 (19/50)



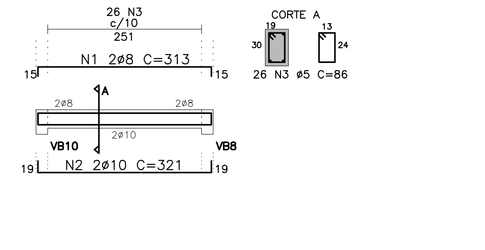
VB29 (19/40)



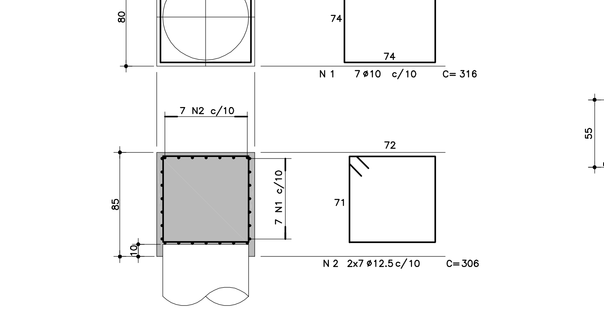
VB30 (40/50)



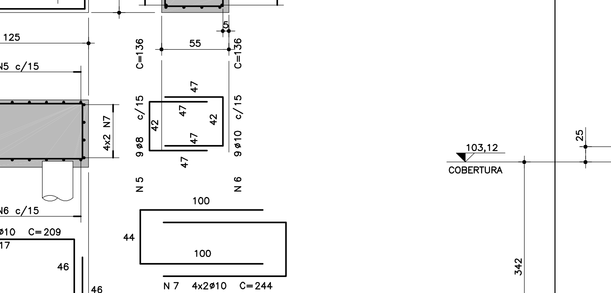
VB36 (19/30)



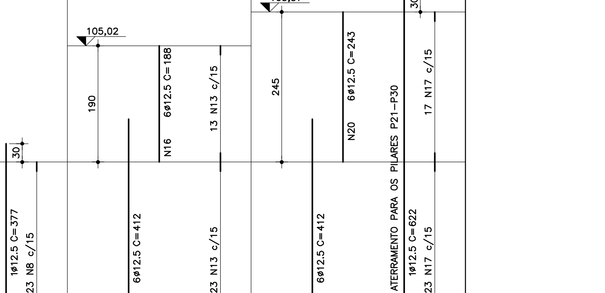
VB31 (40/50)



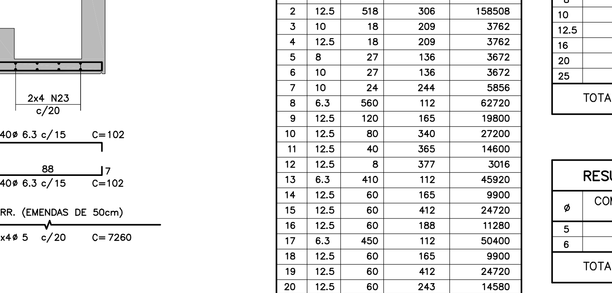
VB33 (19/50)



VB34 (19/50)



VB35 (19/50)



VB37 (19/40)

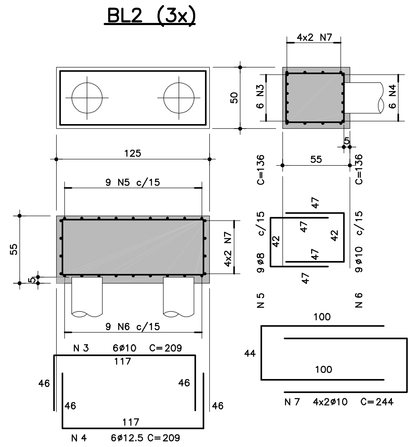
VB38 (19/30)

VB39 (19/30)

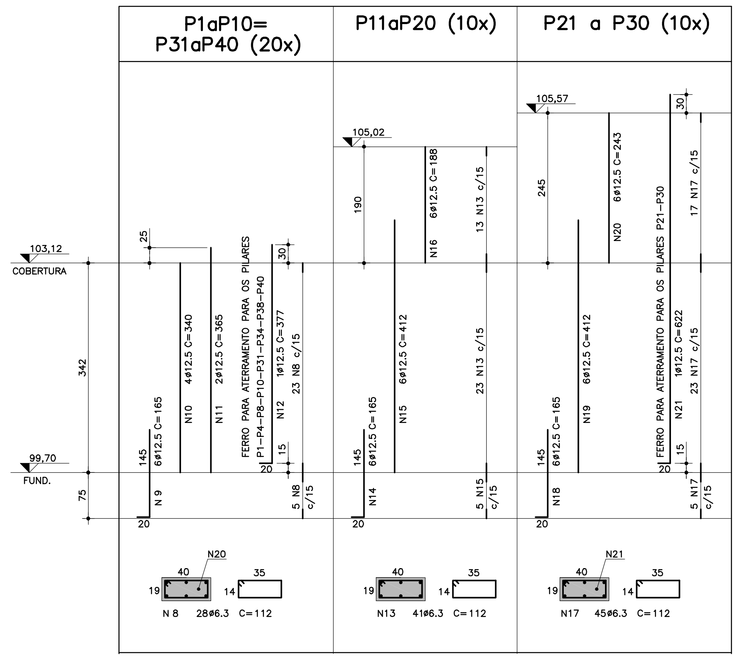
VB40 (19/50)

BL1 (37x)

BL2 (3x)

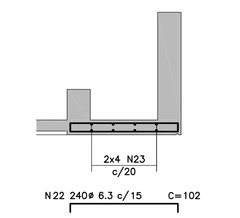


P1aP10= P31aP40 (20x) | P11aP20 (10x) | P21 a P30 (10x)



LM101 A LM116 H=12

ESC. 1:25



LISTA DE FERROS

POS.	ø	QUANT.	COMPRIMENTO UNIT.	COMPRIMENTO TOTAL
1	10	259	316	81844
2	12.5	518	306	158508
3	10	18	209	3762
4	12.5	18	209	3762
5	8	27	136	3672
6	10	27	136	3672
7	10	24	244	5856
8	6.3	560	112	62720
9	12.5	120	165	19800
10	12.5	80	340	27200
11	12.5	40	365	14600
12	12.5	8	377	3016
13	6.3	410	112	45920
14	12.5	60	165	9900
15	12.5	60	412	24720
16	12.5	60	188	11280
17	6.3	450	112	50400
18	12.5	60	165	9900
19	12.5	60	412	24720
20	12.5	60	243	14580
21	12.5	2	622	1244
22	6.3	480	102	48960
23	5	8	7260	58080

RESUMO DE ACO C.A. 50

ø	COMPRIMENTO (m)	PESO (kg)
6.3	2080.00	520
8	36.72	15
10	951.34	599
12.5	3232.30	3232
16		
20		
25		
TOTAL (kg)		4366

RESUMO DE ACO C.A. 60

ø	COMPRIMENTO (m)	PESO (kg)
5	580.80	89
6		
TOTAL (kg)		89

VB27

N	ø	Q	UNI	TOTAL
1	12.5	2	226	452
2	10	2	565	1130
3	12.5	2	727	1454
4	12.5	2	628	1256
5	5	50	126	6300

VB28

N	ø	Q	UNI	TOTAL
1	12.5	2	227	454
2	10	2	655	1310
3	16	2	830	1660
4	16	1	704	704
5	5	57	126	7182

VB29

N	ø	Q	UNI	TOTAL
1	10	2	693	1386
2	10	2	693	1386
3	5	46	106	4876

VB30

N	ø	Q	UNI	TOTAL
1	10	5	766	3830
2	12.5	6	727	4362
3	12.5	2	471	942
4	6.3	82	147	12054

VB31

N	ø	Q	UNI	TOTAL
1	10	5	856	4280
2	16	6	830	4980
3	16	1	480	480
4	6.3	94	147	13818

VB33

N	ø	Q	UNI	TOTAL
1	12.5	2	227	454
2	10	2	655	1310
3	16	2	830	1660
4	16	1	704	704
5	5	57	126	7182

VB34

N	ø	Q	UNI	TOTAL
1	12.5	2	557	1114
2	16	2	377	754
3	16	1	317	317
4	16	2	846	1692
5	6.3	42	128	5376

VB35

N	ø	Q	UNI	TOTAL
1	12.5	2	852	1704
2	20	3	846	2538
3	20	3	720	2160
4	6.3	42	128	5376

VB36

N	ø	Q	UNI	TOTAL
1	8	2	313	626
2	10	2	321	642
3	5	26	86	2236

VB37

N	ø	Q	UNI	TOTAL
1	10	2	470	940
2	12.5	3	470	1410
3	6.3	1	138	138
4	6.3	1	138	138
5	5	32	106	3392

VB38

N	ø	Q	UNI	TOTAL
1	8	2	313	626
2	10	2	321	642
3	5	26	86	2236

VB39

N	ø	Q	UNI	TOTAL
1	10	2	381	762
2	12.5	2	373	746
3	6.3	1	138	138
4	6.3	1	138	138
5	5	32	86	2752

VB40

N	ø	Q	UNI	TOTAL
1	12.5	2	587	1174
2	20	2	941	1882
3	20	2	811	1622
4	12.5	2	587	1174
5	12.5	2	727	1454
6	12.5	2	606	1212
7	12.5	2	485	970
8	20	2	810	1620
9	20	2	610	1220
10	6.3	102	128	13056

RESUMO DAS VIGAS DA FUNDAÇÃO (02/02)

ACO	ø	COMPR(cm)	PESO(kg)
60B	5	16116	58
50A	6.3	50232	126
50A	8	1252	6
50A	10	17618	111
50A	12.5	20332	204
50A	16	12951	208
50A	20	11042	277
50A	25	–	–
PESO TOTAL (kg)			990

No.	MODIFICAÇÕES	APROVAÇÃO	DATA	APROVAÇÃO	DATA
		AUTOR DO PROJETO		FDE	

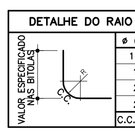
OBSERVAÇÕES

DESENHO DE REFERÊNCIA	No.	APROVAÇÃO	DATA
		AUTOR DO PROJETO	
		FDE	

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)



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: 00
ETAPA/ÁREA TÉCNICA: PROJETO EXECUTIVO DE ESTRUTURA
TIPO PROJETO: PADRÃO
DATA: MAR/2011
ETAPA/ÁREA TÉCNICA: PE – EST
CONTEÚDO: ARMAÇÃO DAS VIGAS DA FUNDAÇÃO (02/02)
ESCALA: INDICADA
FOLHA: 14/00
REVISÃO: 00

DESENHO GERADO PELO SISTEMA CAD – PDR ENGECALC ENGENHARIA E PROJETOS ESTRUTURAIS S/C LTDA
1201046_00EPE1400_01

CR–2– PADRÃO TUBULÃO 205