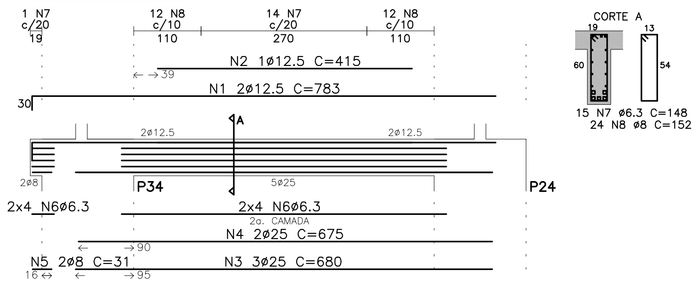
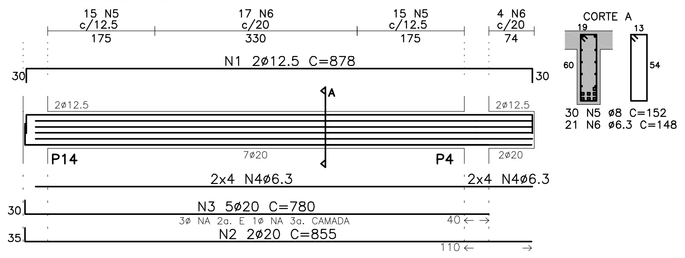
ESC. PLOT. 1:20
AO 841x1189
CORES/ESP.
RED 0,20
YELLOW 0,50
GREEN 0,30
CYAN 0,40
BLUE 0,30
MAGENTA 0,10
WHITE 0,70
COR 8 0,30

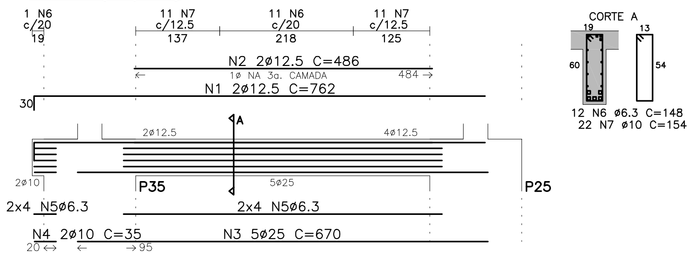
VB18 (19/60)



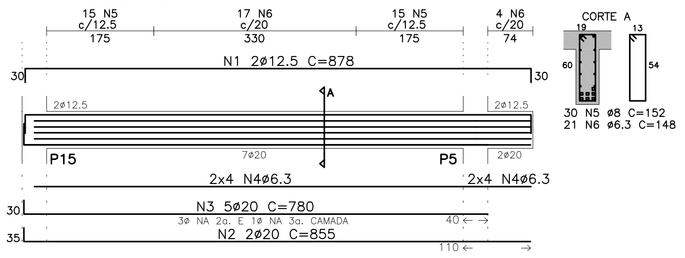
VB19 (19/60)



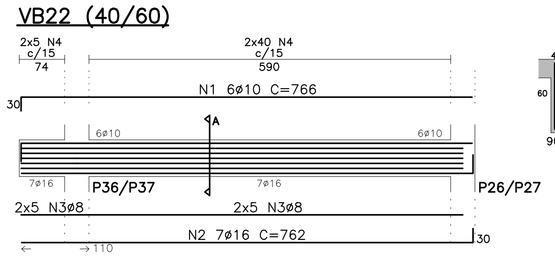
VB20 (19/60)



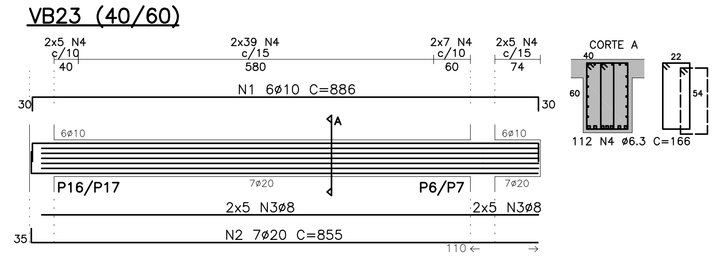
VB21 (19/60)



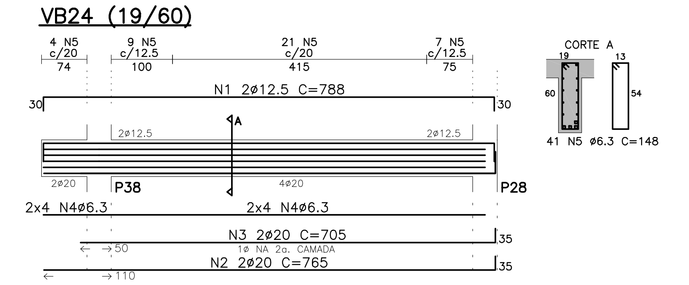
VB22 (40/60)



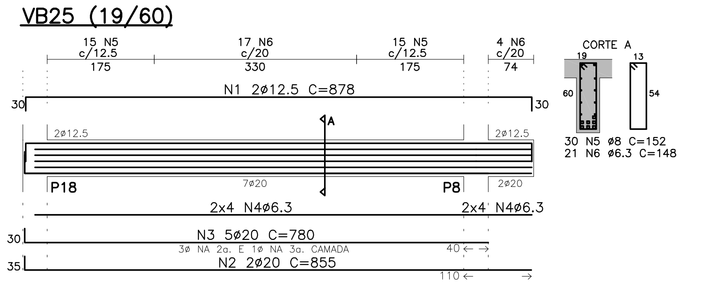
VB23 (40/60)



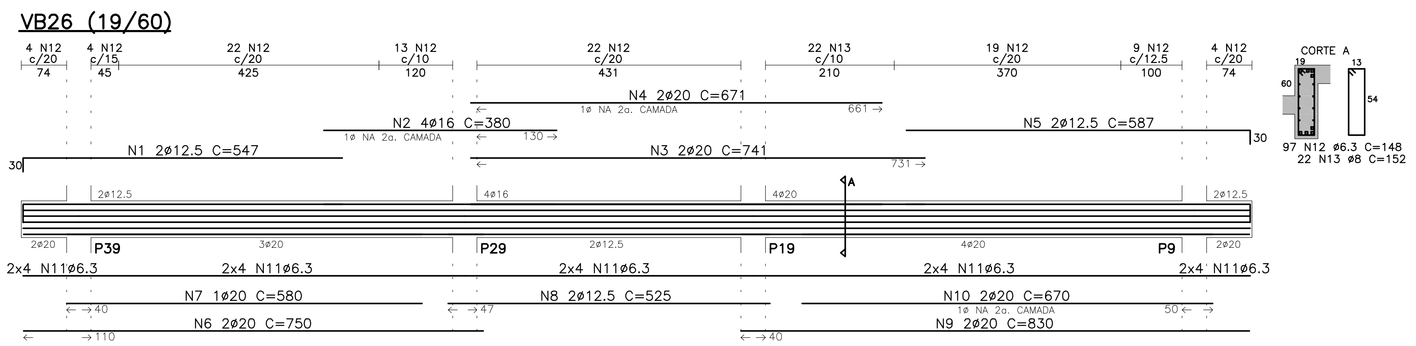
VB24 (19/60)



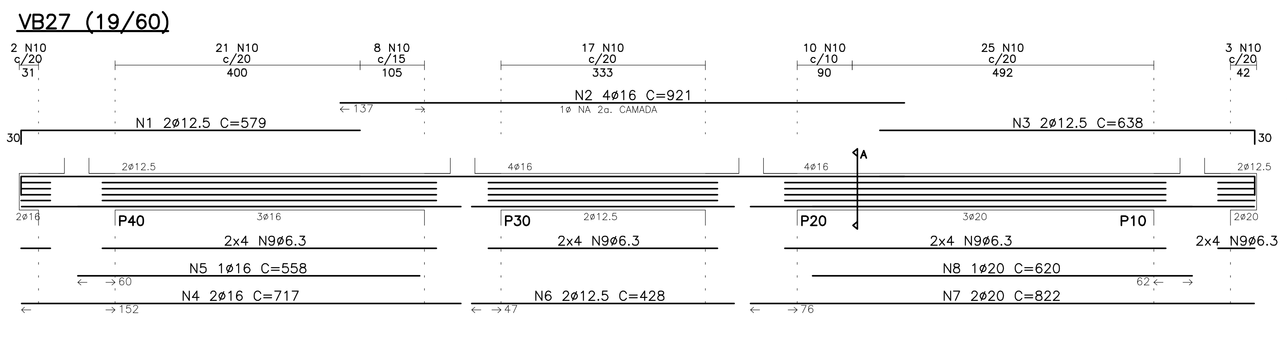
VB25 (19/60)



VB26 (19/60)



VB27 (19/60)



RESUMO DAS VIGAS DA FUNDAÇÃO (02/02)

ACO	ø	COMPR(cm)	PESO(kg)
50A	6.3	144899	363
50A	8	36360	146
50A	10	13370	85
50A	12.5	17929	180
50A	16	12530	201
50A	20	35923	898
50A	25	6740	270
PESO TOTAL (kg)			2143

VB18

N	ø	Q	UNI	TOTAL
1	12.5	2	783	1566
2	12.5	1	415	415
3	25	3	680	2040
4	25	2	675	1350
5	8	2	31	62
6	6.3			4619
7	6.3	15	148	2220
8	8	24	152	3648

VB19

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

VB20

N	ø	Q	UNI	TOTAL
1	12.5	2	762	1524
2	12.5	2	486	972
3	25	5	670	3350
4	10	2	35	70
5	6.3			4537
6	6.3	12	148	1776
7	10	22	154	3388

VB21

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

VB22

N	ø	Q	UNI	TOTAL
1	10	6	766	4596
2	16	7	762	5334
3	8			7354
4	6.3	90	167	15030

VB23

N	ø	Q	UNI	TOTAL
1	10	6	886	5316
2	20	7	855	5985
3	8			8272
4	6.3	112	167	18704

VB24

N	ø	Q	UNI	TOTAL
1	12.5	2	788	1576
2	20	2	765	1530
3	20	2	705	1410
4	6.3			5883
5	6.3	41	148	6068

VB25

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

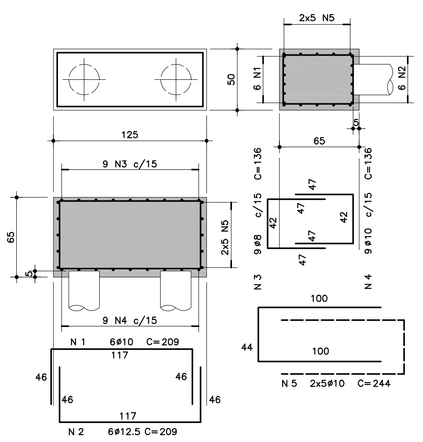
VB26

N	ø	Q	UNI	TOTAL
1	12.5	2	547	1094
2	16	4	380	1520
3	20	2	741	1482
4	20	2	671	1342
5	12.5	2	587	1174
6	20	2	750	1500
7	20	1	580	580
8	12.5	2	525	1050
9	20	2	830	1660
10	20	2	670	1340
11	6.3			16344
12	6.3	97	148	14356
13	8	22	152	3344

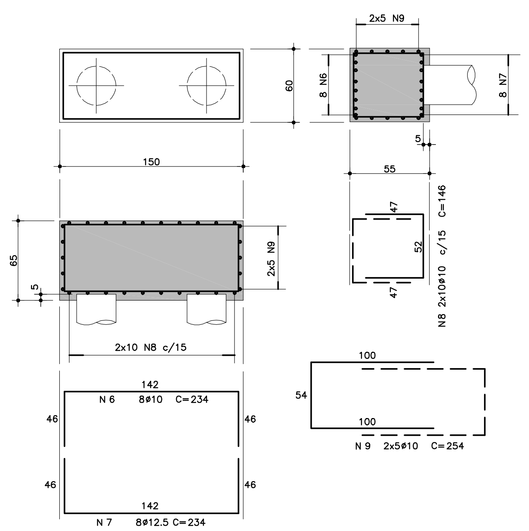
VB27

N	ø	Q	UNI	TOTAL
1	12.5	2	579	1158
2	16	4	921	3684
3	12.5	2	638	1276
4	16	2	717	1434
5	16	1	558	558
6	12.5	2	428	856
7	20	2	822	1644
8	20	1	620	620
9	6.3			13456
10	6.3	86	148	12728

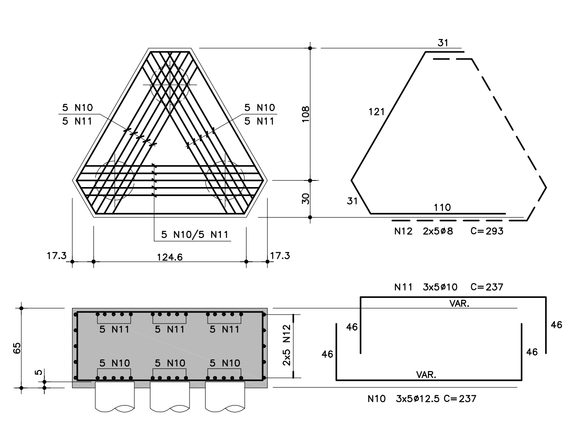
BL1 (H=65) (18x)



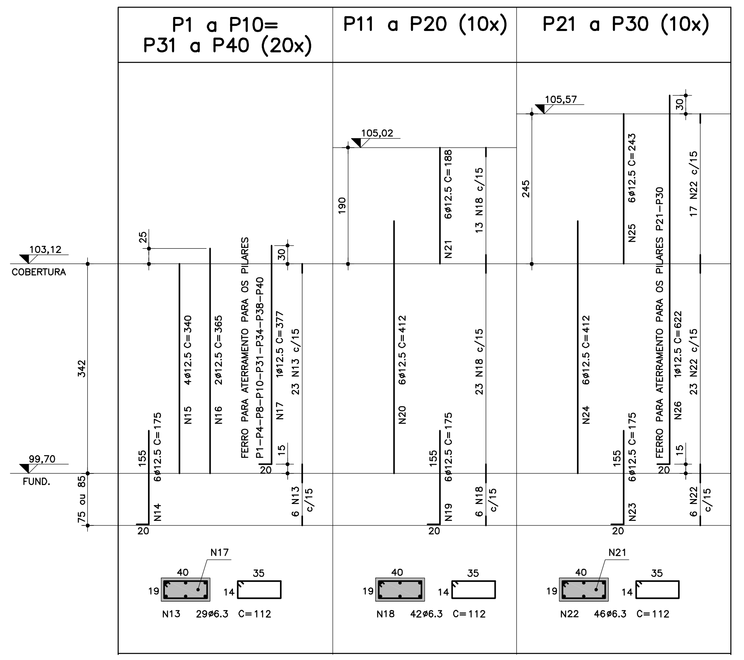
BL2 H=65 (17x)



BL3 H=65 (1x)



P1 a P10= P31 a P40 (20x)

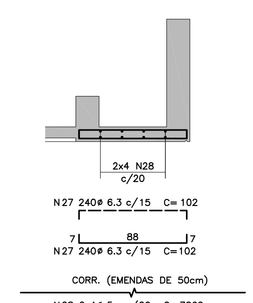


P11 a P20 (10x)

P21 a P30 (10x)

LM101 A LM116 H=12

ESC. 1:25



LISTA DE FERROS

POS.	ø	QUANT.	COMPRIMENTO UNIT.	COMPRIMENTO TOTAL
1	10	108	209	22572
2	12.5	108	209	22572
3	8	162	136	22032
4	10	162	136	22032
5	10	180	244	43920
6	10	136	234	31824
7	12.5	136	234	31824
8	10	340	146	49640
9	10	170	254	43180
10	12.5	15	237	3555
11	10	15	237	3555
12	8	10	293	2930
13	6.3	580	112	64960
14	12.5	120	175	21000
15	12.5	80	340	27200
16	12.5	40	365	14600
17	12.5	8	377	3016
18	6.3	420	112	47040
19	12.5	60	175	10500
20	12.5	60	412	24720
21	12.5	60	188	11280
22	6.3	460	112	51520
23	12.5	60	175	10500
24	12.5	60	412	24720
25	12.5	60	243	14580
26	12.5	2	622	1244
27	6.3	480	102	48960
28	5	8	7260	58080

RESUMO DE ACO C.A. 50

ø	COMPRIMENTO (m)	PESO (kg)
6.3	2124.80	531
8	249.62	100
10	2167.23	1365
12.5	2213.11	2213
16		
20		
25		
TOTAL (kg)		4209

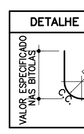
RESUMO DE ACO C.A. 60

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

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=2,5cm E 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		

FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO

PAD CR-2 - PADRÃO ESTACA C/ LAJE 205

No.	MODIFICAÇÕES	APROVAÇÃO	DATA	APROVAÇÃO	DATA
		AUTOR DO PROJETO		FDE	

OBSERVAÇÕES

DESENHO DE REFERÊNCIA

No.	APROVAÇÃO	DATA
	AUTOR DO PROJETO	
	FDE	

FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO – F D E

ESCOLA – NOME/LOCAL: –			CODIGO: 1 2 0 1 0 4 6
INTERVENÇÃO: CRECHE – CR–2			No LOTE: 01
ETAPA/AREA TÉCNICA: PROJETO EXECUTIVO DE ESTRUTURA	TIPO PROJETO: PADRÃO	DATA: MAR/2011	ETAPA/AREA TÉCNICA: PE – EST
CONTEÚDO: ARMAÇÃO DAS VIGAS DA FUNDAÇÃO (02/02), BLOCOS E PILARES	ESCALA: INDICADA	FOLHA: 30/00	REVISÃO: 00

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

1201046_01EPE3000_01