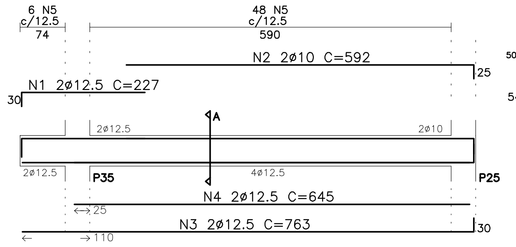
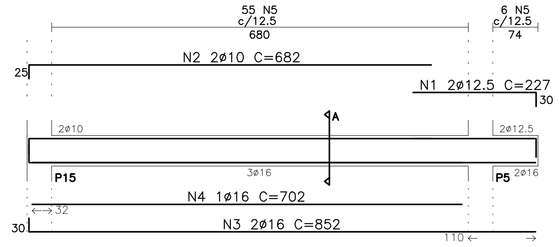
ESC. PLOT. 1:20
A0 841x1189
CORES/ESP.
RED 0,20
YELLOW 0,50
GREEN 0,30
CYAN 0,40
BLUE 0,30
MAGENTA 0,10
WHITE 0,70
COR 8 0,30

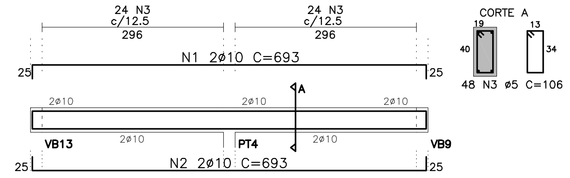
VB27 (19/50)



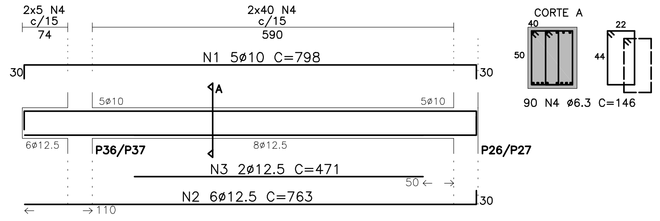
VB28 (19/50)



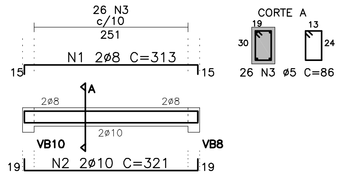
VB29 (19/40)



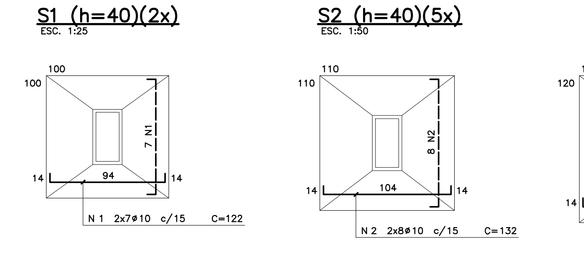
VB30 (40/50)



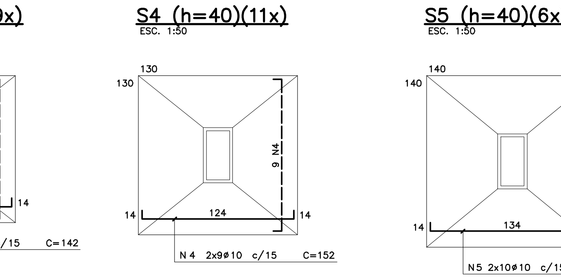
VB36 (19/30)



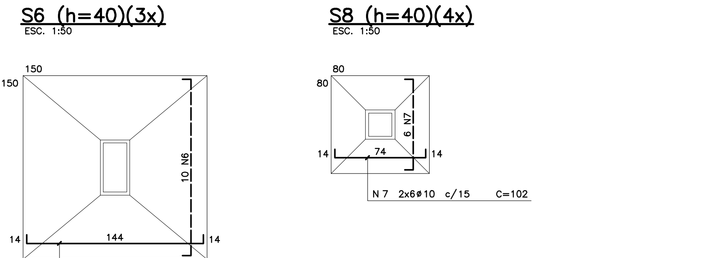
VB31 (40/50)



VB33 (19/50)



VB34 (19/50)



VB35 (19/50)

VB37 (19/40)

VB38 (19/30)

VB39 (19/30)

VB40 (19/50)

RESUMO DAS VIGAS DA FUNDAÇÃO (02/02)

ACO	ø	COMPR(cm)	PESO(kg)
60B	5	37880	61
50A	6.3	55016	138
50A	8	1252	5
50A	10	18544	117
50A	12.5	18984	190
50A	16	14621	234
50A	20	10518	263
50A	25	–	–
PESO TOTAL (kg)			1008

VB27

N	ø	Q	UNI	TOTAL
1	12.5	2	227	454
2	10	2	592	1184
3	12.5	2	763	1526
4	12.5	2	645	1290
5	5	54	126	6804

VB28

N	ø	Q	UNI	TOTAL
1	12.5	2	227	454
2	10	2	682	1364
3	16	2	852	1704
4	16	1	702	702
5	5	61	126	7686

VB29

N	ø	Q	UNI	TOTAL
1	10	2	693	1386
2	10	2	693	1386
3	5	48	106	5088

VB30

N	ø	Q	UNI	TOTAL
1	10	5	798	3990
2	12.5	6	763	4578
3	12.5	2	471	942
4	6.3	90	147	13230

VB31

N	ø	Q	UNI	TOTAL
1	10	5	888	4440
2	16	6	852	5112
3	16	1	480	480
4	6.3	102	147	14994

VB33

N	ø	Q	UNI	TOTAL
1	12.5	2	227	454
2	10	2	682	1364
3	16	2	852	1704
4	16	1	702	702
5	5	61	126	7686

VB34

N	ø	Q	UNI	TOTAL
1	12.5	2	557	1114
2	16	2	387	774
3	16	1	327	327
4	16	2	856	1712
5	6.3	47	128	6016

VB35

N	ø	Q	UNI	TOTAL
1	12.5	2	217	434
2	10	2	692	1384
3	20	3	855	2565
4	20	3	780	2340
5	6.3	46	128	5888

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	12.5	2	472	944
2	16	3	468	1404
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	1	811	811
4	12.5	2	587	1174
5	12.5	2	730	1460
6	12.5	2	595	1190
7	12.5	2	525	1050
8	20	2	830	1660
9	20	2	630	1260
10	6.3	112	128	14336

S1 (h=40)(2x)

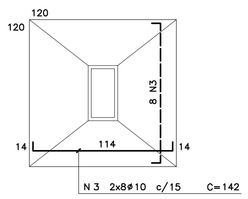
ESC. 1:25

S2 (h=40)(5x)

ESC. 1:50

S3 (h=40)(9x)

ESC. 1:25

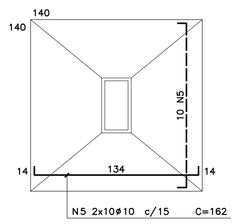


S4 (h=40)(11x)

ESC. 1:50

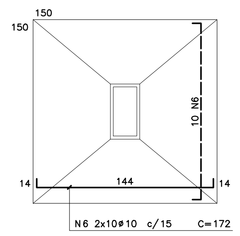
S5 (h=40)(6x)

ESC. 1:50



S6 (h=40)(3x)

ESC. 1:50



S8 (h=40)(4x)

ESC. 1:50

LISTA DE FERROS

POS.	ø	QUANT.	COMPRIMENTO UNIT.	COMPRIMENTO TOTAL
1	10	28	122	3416
2	10	80	132	10560
3	10	144	142	20448
4	10	198	152	30096
5	10	120	162	19440
6	10	60	172	10320
7	10	48	102	4896

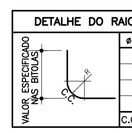
RESUMO DE ACO C.A. 50

ø	COMPRIMENTO (m)	PESO (kg)
6.3		
8		
10	991.76	625
12.5		
16		
20		
25		
TOTAL (kg)		625

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

CR–2– PADRÃO SAPATA 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: 120104 6
INTERVENÇÃO: CRECHE – CR–2			No LOTE: 00
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)	ESCALA: INDICADA	FOLHA: 22/00	REVISÃO: 00

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

1201046_00EPE2200_01