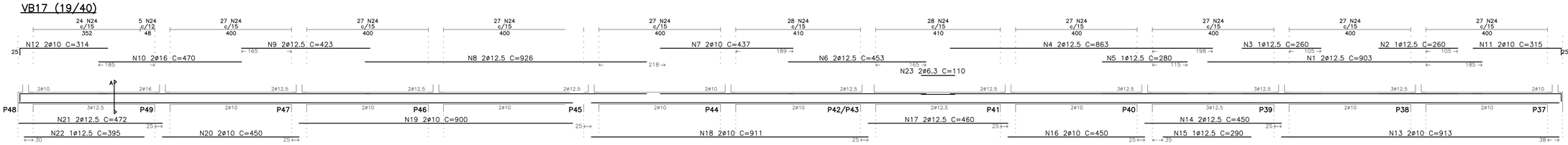
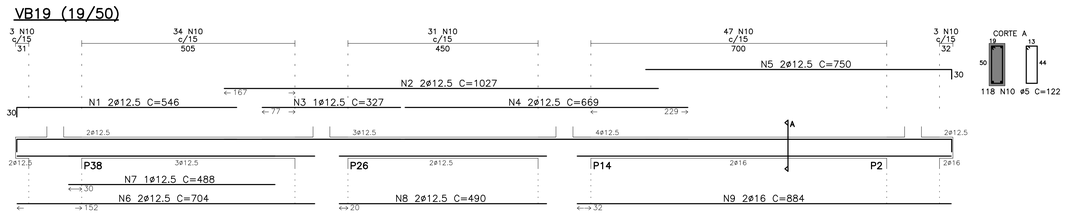
VB17 (19/40)



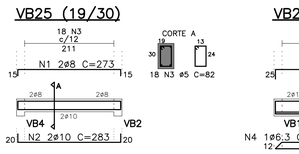
VB17					
N	ø	Q	UNI	TOTAL
1	12.5	2	903	1806
2	12.5	1	260	260
3	12.5	1	260	260
4	12.5	2	863	1726
5	12.5	1	280	280
6	12.5	2	453	906
7	12.5	1	437	874
8	12.5	2	926	1852
9	12.5	2	423	846
10	16	2	470	940
11	10	2	315	630
12	10	2	314	628
13	10	2	913	1826
14	12.5	2	450	900
15	12.5	1	290	290
16	12.5	2	450	900
17	12.5	2	460	920
18	10	2	911	1822
19	10	2	900	1800
20	10	2	450	900
21	12.5	2	472	944
22	12.5	1	395	395
23	6.3	2	110	220
24	5	301	102	30702

VB19 (19/50)



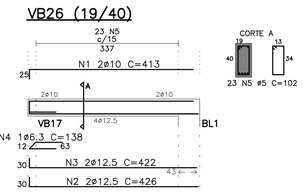
VB19				
N	ø	Q	UNI	TOTAL
1	12.5	2	546	1092
2	12.5	2	1027	2054
3	12.5	1	327	327
4	12.5	2	669	1338
5	12.5	2	750	1500
6	12.5	2	704	1408
7	12.5	1	488	488
8	12.5	2	490	980
9	16	2	884	1768
10	5	118	122	14396

VB25 (19/30)



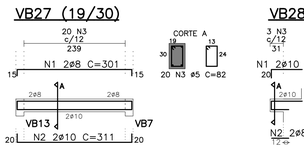
VB25				
N	ø	Q	UNI	TOTAL
1	8	2	273	546
2	10	2	283	566
3	5	18	82	1476

VB26 (19/40)



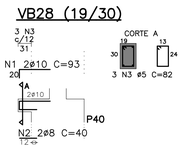
VB26				
N	ø	Q	UNI	TOTAL
1	10	2	413	826
2	12.5	2	426	852
3	12.5	2	422	844
4	6.3	1	138	138
5	5	23	102	2346

VB27 (19/30)



VB27				
N	ø	Q	UNI	TOTAL
1	8	2	301	602
2	10	2	311	622
3	5	20	82	1640

VB28 (19/30)



VB28				
N	ø	Q	UNI	TOTAL
1	10	2	93	186
2	8	2	40	80
3	5	3	82	246

VB29 (19/50)

VB29				
N	ø	Q	UNI	TOTAL
1	12.5	2	852	1704
2	20	2	823	1646
3	20	2	715	1430
4	5	46	122	5612

VB30 (19/40)

VB30				
N	ø	Q	UNI	TOTAL
1	10	2	683	1366
2	10	2	693	1386
3	5	38	102	3876

VB31 (19/50)

VB31				
N	ø	Q	UNI	TOTAL
1	12.5	2	762	1524
2	12.5	4	704	2816
3	5	37	122	4514

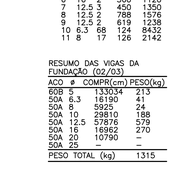
VB32 (19/50)

VB32				
N	ø	Q	UNI	TOTAL
1	12.5	2	852	1704
2	16	2	807	1614
3	16	1	690	690
4	5	43	122	5246

VB36 (19/30)

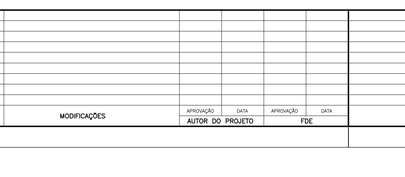
VB36				
N	ø	Q	UNI	TOTAL
1	10	2	93	186
2	8	2	40	80
3	5	3	82	246

VB47 (19/30)

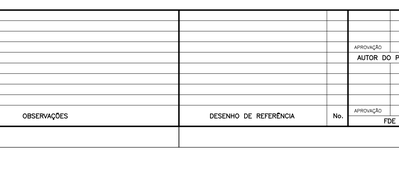


VB47				
N	ø	Q	UNI	TOTAL
1	8	2	173	346
2	10	2	183	366
3	5	10	82	820

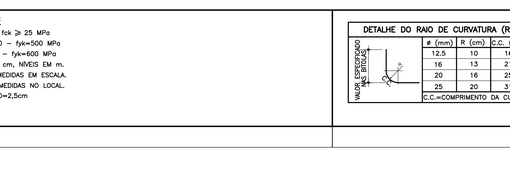
VB33 (19/40)



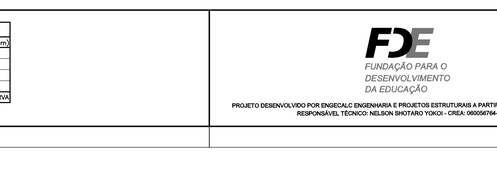
VB34 (40/50)



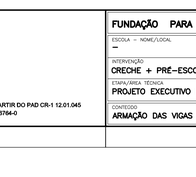
VB35 (40/50)



VB37 (19/50)



VB38 (19/30)



VB39 (19/50)

VB40 (19/50)

VB41 (19/50)

VB42 (19/30)

VB43 (19/50)

VB44 (19/50)

VB45 (19/40)

VB46 (19/30)

VB48 (19/50)

VB48				
N	ø	Q	UNI	TOTAL
1	12.5	2	539	1078
2	20	2	949	1898
3	20	2	839	1678
4	12.5	2	631	1262
5	16	2	807	1614
6	16	2	560	1120
7	12.5	3	450	1350
8	12.5	2	788	1576
9	12.5	2	619	1238
10	6.3	68	124	8432
11	8	17	126	2142

RESUMO DAS VIGAS DA FUNDAÇÃO (02/03)

AÇO	ø	COMPR(cm)	PESO(kg)
60B	5	13034	213
50A	6.3	16190	41
50A	8	5925	24
50A	10	29810	188
50A	12.5	57876	579
50A	16	16962	270
50A	20	10790	–
50A	25	–	–
PESO TOTAL (kg)			1315

CR-1EA - PADRÃO ESTACA 205

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=2,5cm

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

PROJETO DESENVOLVIDO POR ENGECALC ENGENHARIA E PROJETOS ESTRUTURAIS A PARTIR DO PAD CR-1 12.01.045
RESPONSÁVEL TÉCNICO: NELSON SHOTARO YOKOI - CREA: 060056764-0

FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO – F D E

ESCOLA = NOME/LOCAL: –	CÓDIGO: 1 2 0 1 0 9 0	
INTERVENÇÃO: CRECHE + PRÉ–ESCOLA – CR–1EA	Nº LOTE: 01	
ETAPA/ÁREA TÉCNICA: PROJETO EXECUTIVO DE ESTRUTURA	TIPO PROJETO: PAD CR–1EA	DATA: MAIO/2020
		ETAPA/ÁREA TÉCNICA: PE – EST
CONTEÚDO: ARMAÇÃO DAS VIGAS DA FUNDAÇÃO (02/03)	ESCALA: INDICADA	FOLHA: 06/00
		REVISÃO: 00

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