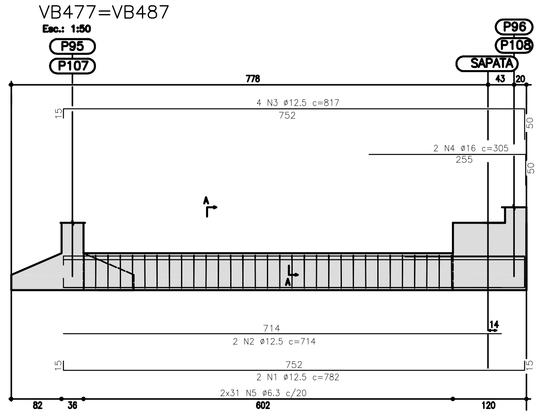
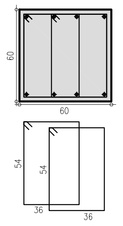
VB477=VB487

Esc.: 1:50

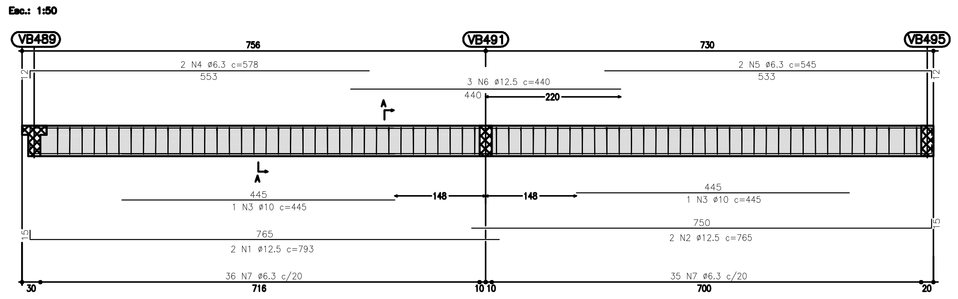


Corte A
Esc.: 1:20

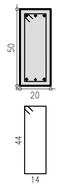


VB478

Esc.: 1:50

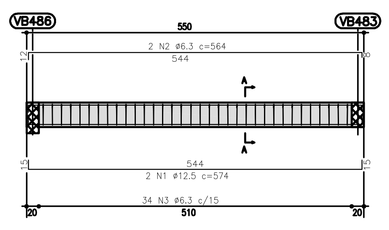


Corte A
Esc.: 1:20

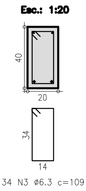


VB492

Esc.: 1:50

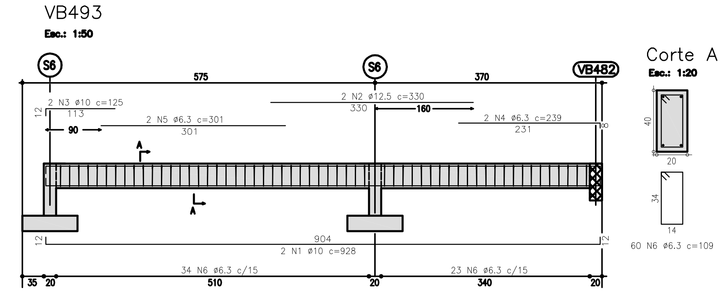


Corte A
Esc.: 1:20



VB493

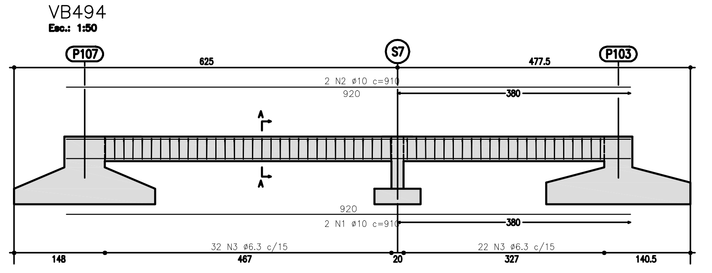
Esc.: 1:50



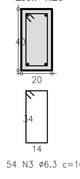
Corte A
Esc.: 1:20

VB494

Esc.: 1:50

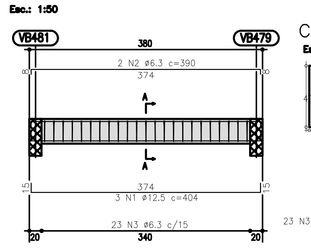


Corte A
Esc.: 1:20

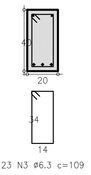


VB497

Esc.: 1:50

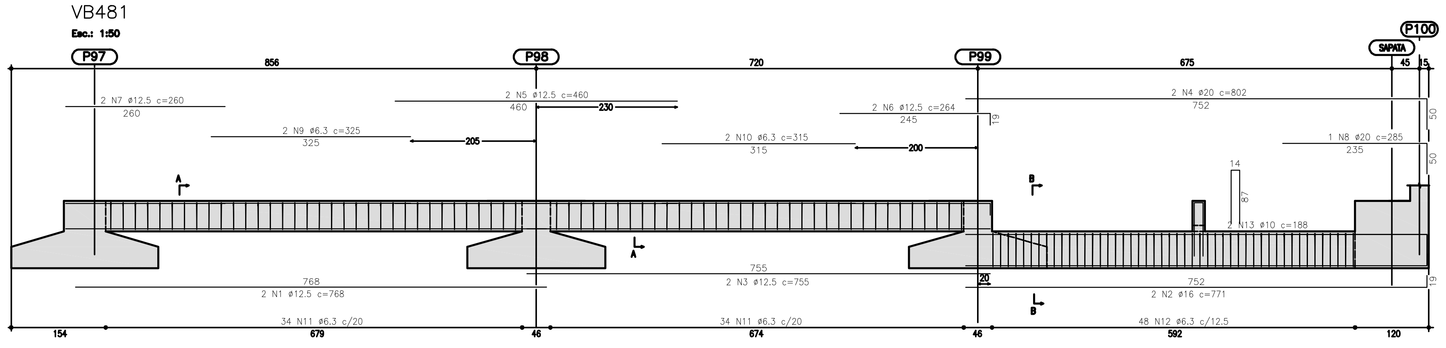


Corte A
Esc.: 1:20



VB481

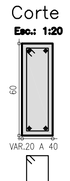
Esc.: 1:50



Corte A
Esc.: 1:20

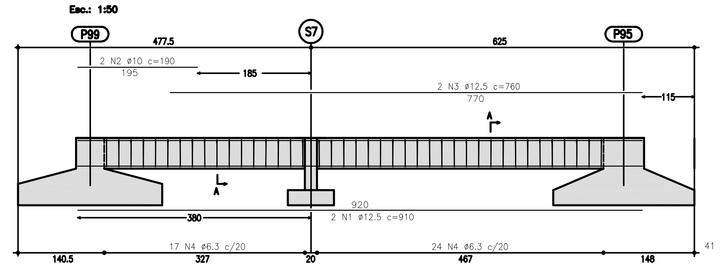


Corte B
Esc.: 1:20

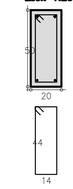


VB495

Esc.: 1:50

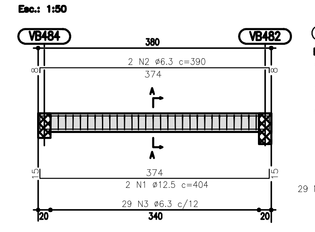


Corte A
Esc.: 1:20

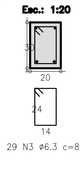


VB496

Esc.: 1:50

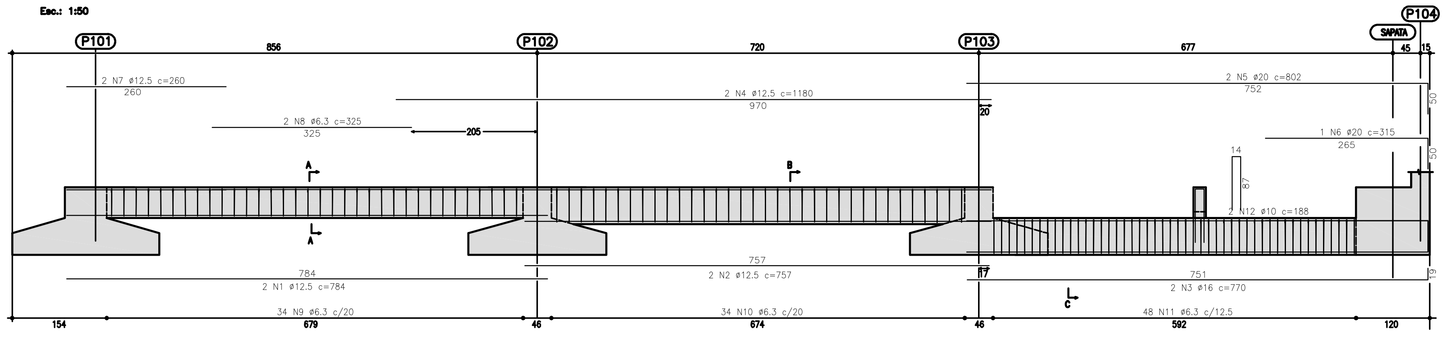


Corte A
Esc.: 1:20

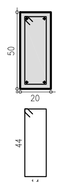


VB482

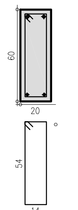
Esc.: 1:50



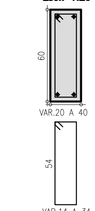
Corte A
Esc.: 1:20



Corte B
Esc.: 1:20

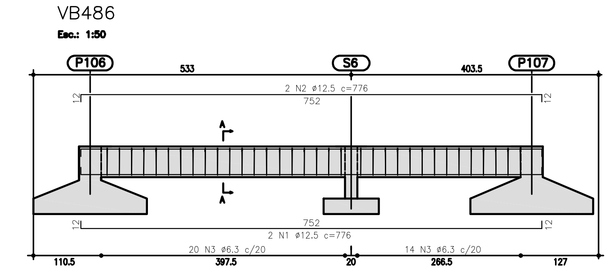


Corte C
Esc.: 1:20

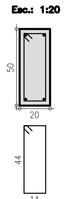


VB486

Esc.: 1:50

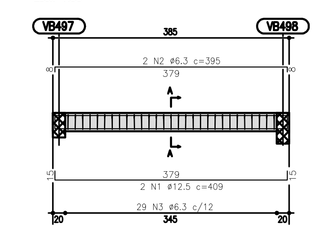


Corte A
Esc.: 1:20

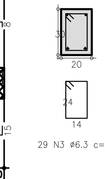


VB480

Esc.: 1:50

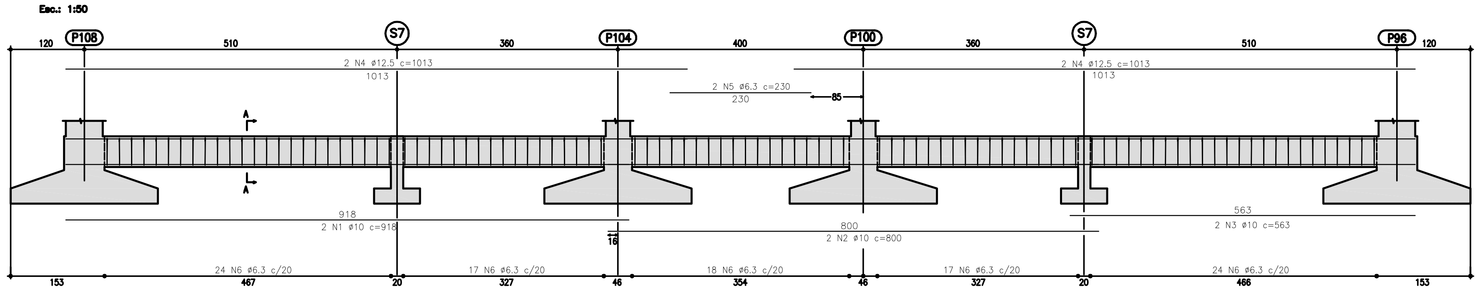


Corte A
Esc.: 1:20



VB498

Esc.: 1:50

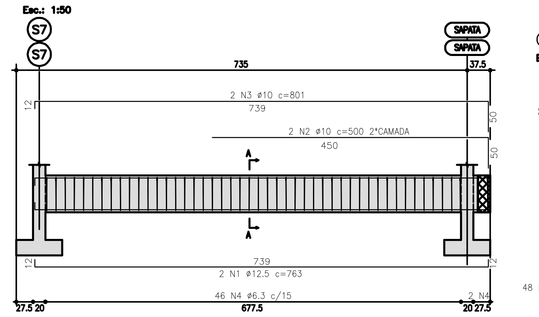


Corte A
Esc.: 1:20

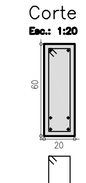


VB479=VB484

Esc.: 1:50

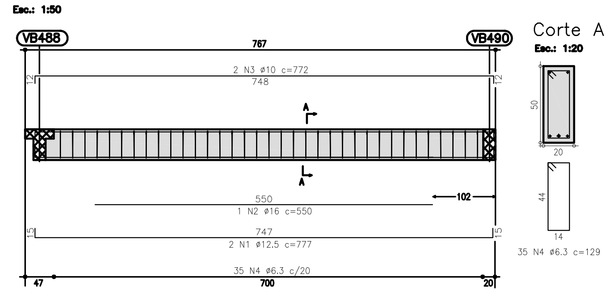


Corte A
Esc.: 1:20



VB485

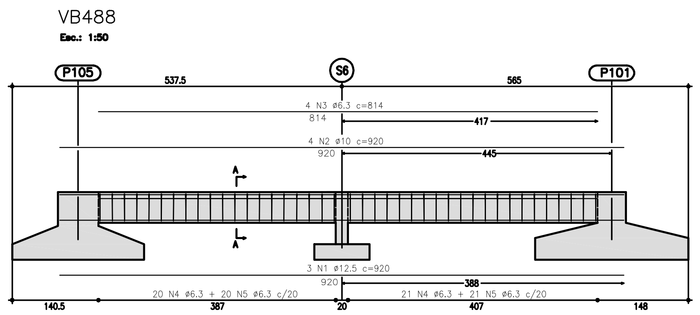
Esc.: 1:50



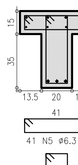
Corte A
Esc.: 1:20

VB488

Esc.: 1:50

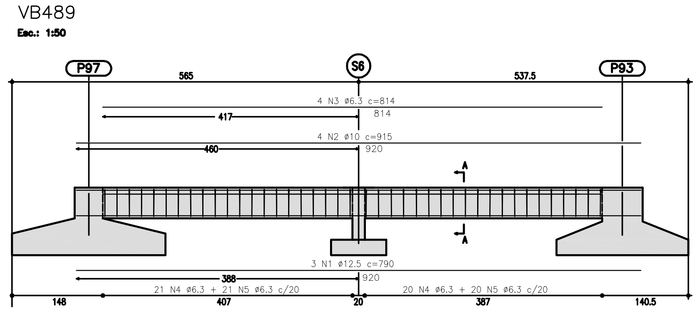


Corte A
Esc.: 1:20

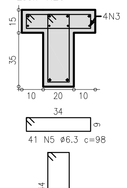


VB489

Esc.: 1:50

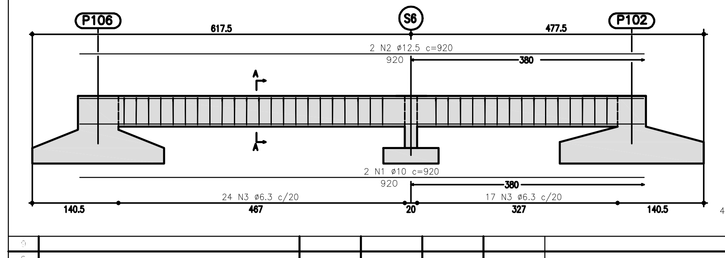


Corte A
Esc.: 1:20

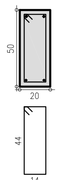


VB490

Esc.: 1:50

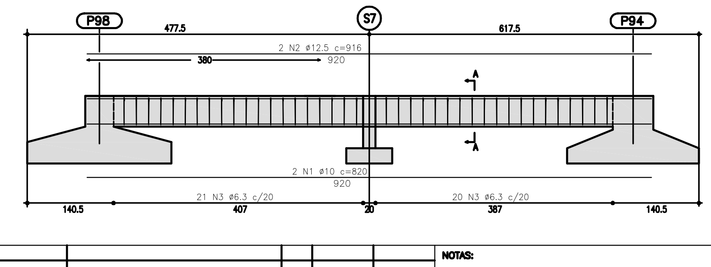


Corte A
Esc.: 1:20



VB491

Esc.: 1:50



Corte A
Esc.: 1:20

VB483

Esc.: 1:50

Corte A
Esc.: 1:20

Corte B
Esc.: 1:20

TABELA DE FERROS

TIPO	POS.	BIT.	QUANT.	Q.Tot.	C.Unit. (cm)	C.Tot. (cm)
VB477=VB487 (2 X)						
CA-50A	1	12.5	2	4	782	3128
CA-50A	2	12.5	2	4	714	2856
CA-50A	3	12.5	4	8	517	6536
CA-50A	4	16	2	4	305	1220
CA-50A	5	6.3	62	124	193	23932
VB478 (1 X)						
CA-50A	1	12.5	2	2	793	1586
CA-50A	2	12.5	2	2	765	1530
CA-50A	3	10	2	2	445	890
CA-50A	4	6.3	2	2	578	1156
CA-50A	5	6.3	2	2	545	1090
CA-50A	6	12.5	2	2	440	1320
CA-50A	7	6.3	71	71	129	9159
VB492 (1 X)						
CA-50A	1	12.5	2	2	574	1148
CA-50A	2	6.3	2	2	564	1128
CA-50A	3	6.3	34	34	109	3706
VB493 (1 X)						
CA-50A	1	10	2	2	928	1856
CA-50A	2	12.5	2	2	330	660
CA-50A	3	10	2	2	125	250
CA-50A	4	6.3	2	2	239	478
CA-50A	5	6.3	2	2	301	602
CA-50A	6	6.3	60	60	109	6540
VB481 (1 X)						
CA-50A	1	12.5	2	2	768	1536
CA-50A	2	16	2	2	771	1542
CA-50A	3	12.5	2	2	755	1510
CA-50A	4	20	2	2	802	1604
CA-50A	5	12.5	2	2	460	920
CA-50A	6	12.5	2	2	264	528
CA-50A	7	12.5	2	2	260	520
CA-50A	8	20	1	1	285	285
CA-50A	9	6.3	2	2	325	650
CA-50A	10	6.3	2	2	315	630
CA-50A	11	6.3	68	68	129	8772
CA-50A	12	6.3	46	46	129	5112
CA-50A	13	10	2	2	188	376
VB482 (1 X)						
CA-50A	1	12.5	2	2	784	1568
CA-50A	2	12.5	2	2	757	1514
CA-50A	3	16	2	2	770	1540
CA-50A	4	12.5	2	2	1180	2360
CA-50A	5	20	2	2	802	1604
CA-50A	6	20	1	1	315	315
CA-50A	7	12.5	2	2	260	520
CA-50A	8	6.3	2	2	325	650
CA-50A	9	6.3	34	34	129	4386
CA-50A	10	6.3	34	34	148	5066
CA-50A	11	6.3	46	46	189	8112
CA-50A	12	10	2	2	188	376
VB494 (1 X)						
CA-50A	1	10	2	2	910	1820
CA-50A	2	10	2	2	910	1820
CA-50A	3	6.3	54	54	109	5886
VB497 (1 X)						
CA-50A	1	12.5	3	3	404	1212
CA-50A	2	6.3	2	2	390	780
CA-50A	3	6.3	23	23	109	2507
VB495 (1 X)						
CA-50A	1	12.5	2	2	910	1820
CA-50A	2	12.5	2	2	190	380
CA-50A	3	12.5	2	2	760	1520
CA-50A	4	6.3	41	41	129	5289
VB496 (1 X)						
CA-50A	1	12.5	2	2	404	808
CA-50A	2	6.3	2	2	390	780
CA-50A	3	6.3	29	29	89	2581
VB486 (1 X)						
CA-50A	1	12.5	2	2	776	1552
CA-50A	2	12.5	2	2	776	1552
CA-50A	3	6.3	34	34	129	4386
VB480 (1 X)						
CA-50A	1	12.5	2	2	409	818
CA-50A	2	6.3	2	2	395	790
CA-50A	3	6.3	29	29	89	2581
VB498 (1 X)						
CA-50A	1	10	2	2	918	1836
CA-50A	2	10	2	2	800	1600
CA-50A	3	10	2	2	563	1126
CA-50A	4	12.5	4	4	1013	4052
CA-50A	5	6.3	2	2	230	460
CA-50A	6	6.3	100	100	129	12900
VB479=VB484 (2 X)						
CA-50A	1	12.5	2	4	763	3052
CA-50A	2	10	2	4	500	2000
CA-50A	3	10	2	4	801	3204
CA-50A	4	6.3	48	96	149	14304
VB485 (1 X)						
CA-50A	1	12.5	2	2	777	1554
CA-50A	2	16	1	1	550	550
CA-50A	3	10	2	2	772	1544
CA-50A	4	6.3	35	35	129	4515
VB488 (1 X)						
CA-50A	1	12.5	3	3	920	2760
CA-50A	2	10	4	4	920	3680
CA-50A	3	6.3	4	4	814	3256
CA-50A	4	6.3	41	41	129	5289
CA-50A	5	6.3	41	41	112	4592
VB489 (1 X)						
CA-50A	1	12.5	3	3	790	2370
CA-50A	2	10	4	4	915	3660
CA-50A	3	6.3	4	4	814	3256
CA-50A	4	6.3	41	41	129	5289
CA-50A	5	6.3	41	41	98	4018
VB490 (1 X)						
CA-50A	1	10	2	2	920	1840
CA-50A	2	12.5	2	2	920	1840
CA-50A	3	6.3	41	41	129	5289
VB491 (1 X)						
CA-50A	1	10	2	2	820	1640
CA-50A	2	12.5	2	2	916	1832
CA-50A	3	6.3	41	41	129	5289
VB483 (1 X)						
CA-50A	1	16	2	2	473	946
CA-50A	2	12.5	2	2	434	868
CA-50A	3	6.3	2	2	284	568
CA-50A	4	10	2	2	494	988
CA-50A	5	6.3	14	14	109	1526
CA-50A	6	6.3	13	13	149	1937

RESUMO DO AÇO

PESO CA-50A ø 6.3	1822.37 m	455.59kg
PESO CA-50A ø 10	308.86 m	194.58kg
PESO CA-50A ø 12.5	573.50 m	573.50kg
PESO CA-50A ø 16	57.98 m	92.77kg
PESO CA-50A ø 20	38.08 m	95.20kg
PESO TOTAL CA-50A		1411.64kg
P E S O T O T A L =		1411.64kg
CONCRETO fck 25MPa		

OPÇÃO SAPATAS (ACOPLADO - ISOLADO)
- VER PARECER TÉCNICO DE FUNDAÇÕES PT191-13-TT9525, ELABORADO PELA EMPRESA DE ZF & ENGENHEIROS ASSOCIADOS S/S.

REFERENCIA DE NIVEL - O NÍVEL 100,00 DO PROJETO PADRÃO REFERE-SE AO NIVEL 103,00, CONFORME PROJETO DE IMPLANTAÇÃO DE ARQUITETURA.

12.01.055 - PAD.PEROBAL 8 SALAS - SECRETARIA NO TÉRREO

7									
6									
5									
4									
3									
2									
1									
0									
Nº	MODIFICAÇÕES	VERIFICAÇÃO AUTOR DO PROJETO	DATA	VERIFICAÇÃO FDE	OBSERVAÇÕES	DESENHOS DE REFERENCIA	Nº	VERIFICAÇÃO AUTOR DO PROJETO	DATA VERIFICAÇÃO FDE

NOTAS:
1- MEDIDAS EM CENTIMETROS, NÍVEIS EM METROS.
2- CONCRETO fck 25MPa PARA CONCRETO CONVENCIONAL.
3- CONSUMO MÍNIMO DE CIMENTO 350kgf/m3 PARA CONCRETO PREPARADO EM OBRA, 300kgf/m3 PARA CONCRETO USINADO; FATOR AGUA/CIMENTO <0,45.
4- COBRIMENTO DA ARMADURA 3cm.

OFICINA DE ARQUITETURA E ESTRUTURA
ARQ. LÉDA BRANDÃO DE OLIVEIRA
ENG. SÉRGIO JOSÉ B DE OLIVEIRA
R. PADRE MACHADO, 455 SL.86 - 04127-000 - SÃO PAULO TEL. 5506 1559 - FAX 5506 7989 - OFICINAARQUITETURA@OFICINAARQUITETURA.COM.BR

responsável técnico: eng. Sérgio J B Oliveira
CREA: 060043858-2

RESPONSÁVEL PELA IMPLANTAÇÃO DO PROJETO:
apiacás arquitetos
ARQUITETOS : ANDERSON FREITAS, PEDRO BARROS, ACACIA FURUYA
R GENERAL JARDIM 482 (2ºAS) VILA BUARQUE CEP 01223-010 SÃO PAULO
apiacas@apiacasarquitetos.com.br
FABX (11) 3159 1970
RESPONSÁVEL TÉCNICO:
PEDRO AMANDO DE BARROS - CAU Nº A92385-0

FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO

FUNDAÇÃO PARA O DESENVOLVIMENTO DA EDUCAÇÃO - FDE			
ESCOLA – NOME/LOCAL: TERRENO DISTRITO CAMPOS DE HOLAMBRA – PARANAPANEMA/SP		CÓDIGO	1 2 0 1 4 7 1 4
		No. INTERVENÇÃO	01
INTERVENÇÃO: OBRA NOVA DE 08 SALAS DE AULA E 04 SALAS AMBIENTES			
ARQUIVO: PROJETO EXECUTIVO DE ESTRUTURA	ARQUIVO: PAD. PEROBAL	DATA: DEZ/2014	ARQUIVO: PE-EST
PROJETO: ARMAÇÃO DAS VIGAS BALDRAMES (ACOPLADO-ISOLADO)		FOLHA: INDICADA	REVISÃO: 00
		FOLHA: 15	REVISÃO: 00

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