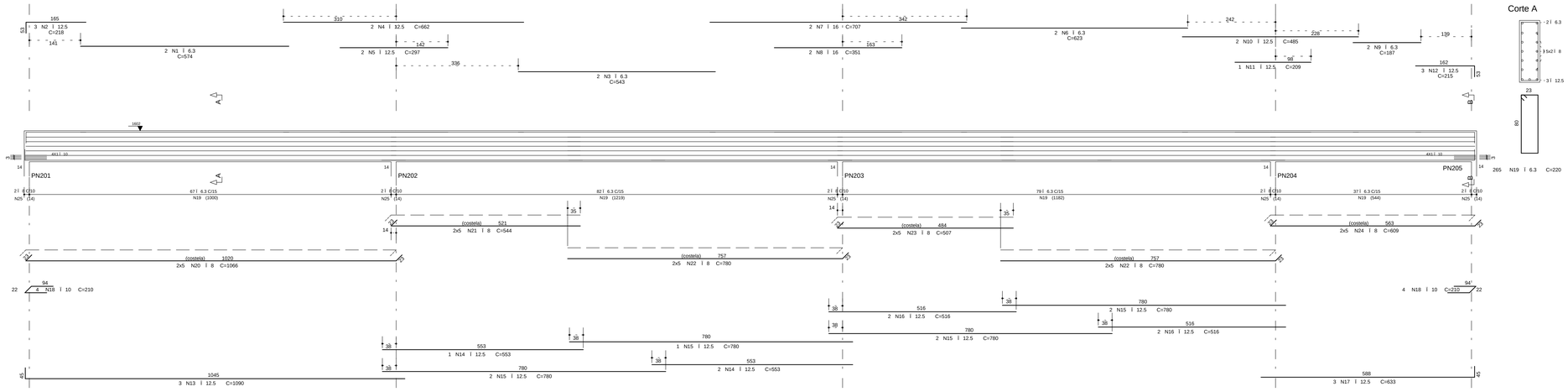
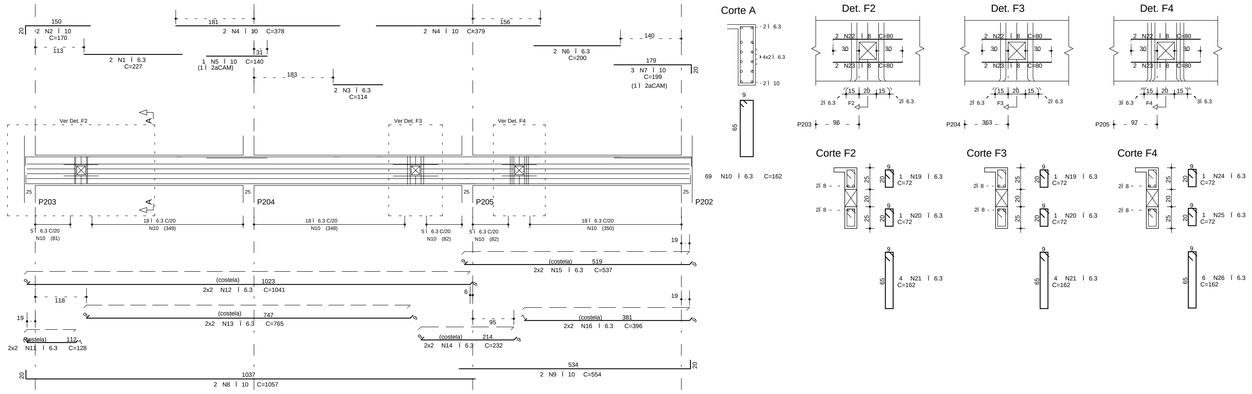
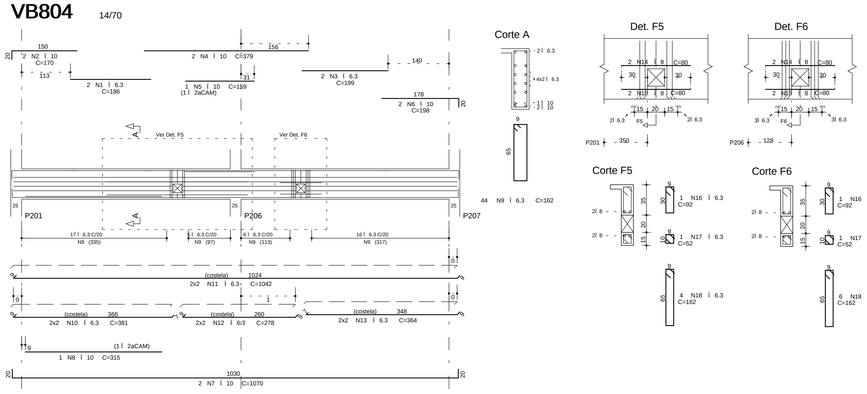
VB801 28/85



VB803 14/70



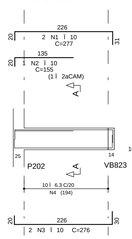
VB804 14/70



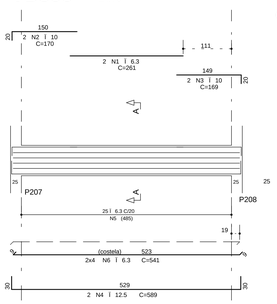
AÇO	POS	BIT (mm)	QUANT. (unt)	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
VB801					
50A	1	6.3	2	574	1148
50A	2	12.5	2	214	428
50A	3	6.3	2	543	1086
50A	4	12.5	2	297	594
50A	5	12.5	2	297	594
50A	6	6.3	2	623	1246
50A	7	6.3	2	351	702
50A	8	16	2	351	702
50A	9	6.3	2	187	374
50A	10	12.5	2	485	970
50A	11	12.5	2	615	1230
50A	12	12.5	3	215	645
50A	13	12.5	2	209	418
50A	14	12.5	2	553	1106
50A	15	12.5	7	780	5460
50A	16	12.5	2	516	1032
50A	17	12.5	2	633	1266
50A	18	12.5	2	210	1680
50A	19	6.3	2	220	440
50A	20	6.3	10	1045	10450
50A	21	6.3	10	544	5440
50A	22	6.3	10	609	6090
50A	23	6.3	10	507	5070
50A	24	6.3	10	609	6090
50A	25	6.3	10	260	2600
VB802					
50A	1	16	2	290	580
50A	2	16	2	273	546
50A	3	16	2	262	524
50A	4	16	2	269	538
50A	5	8	10	204	2040
50A	6	8	8	263	2104
50A	7	8	8	190	1520
VB803					
50A	1	6.3	2	227	454
50A	2	6.3	2	378	756
50A	3	6.3	2	114	228
50A	4	10	4	378	1512
50A	5	6.3	2	240	480
50A	6	6.3	2	240	480
50A	7	10	2	189	557
50A	8	10	2	189	557
50A	9	10	2	554	1108
50A	10	6.3	69	162	11178
50A	11	6.3	2	1045	2090
50A	12	6.3	4	544	2176
50A	13	6.3	4	781	3080
50A	14	6.3	4	553	2212
50A	15	6.3	4	537	2148
50A	16	6.3	4	396	1584
50A	17	6.3	2	90	180
50A	18	6.3	2	72	144
50A	21	6.3	8	162	1296
50A	22	6.3	2	80	160
50A	23	6.3	4	80	320
50A	24	6.3	1	72	72
50A	25	6.3	1	72	72
50A	26	6.3	3	162	972
VB804					
50A	1	6.3	2	186	372
50A	2	10	2	170	340
50A	3	6.3	2	378	756
50A	4	10	2	378	756
50A	5	10	1	159	159
50A	6	10	1	159	159
50A	7	10	2	1075	2150
50A	8	10	1	315	315
50A	9	6.3	4	381	1524
50A	10	6.3	4	381	1524
50A	11	6.3	4	1342	5368
50A	12	6.3	4	1342	5368
50A	13	6.3	4	364	1456
50A	14	8	4	80	320
50A	15	6.3	2	57	114
50A	16	6.3	2	57	114
50A	17	6.3	2	57	114
50A	18	6.3	2	162	324
VB805					
50A	1	10	2	177	354
50A	2	10	2	276	552
50A	3	10	2	276	552
50A	4	6.3	10	122	1220
VB806					
50A	1	6.3	2	261	522
50A	2	10	2	149	298
50A	3	10	2	149	298
50A	4	12.5	2	589	1178
50A	5	6.3	2	342	684
50A	6	6.3	4	342	1368
VB808					
50A	1	6.3	2	132	264
50A	2	10	2	189	378
50A	3	10	2	156	312
50A	4	6.3	2	425	850
50A	5	6.3	4	115	460
50A	6	6.3	4	425	1700
VB809					
50A	1	6.3	2	564	1128
50A	2	10	2	564	1128
50A	3	20	2	415	830
50A	4	20	2	243	486
50A	5	6.3	4	413	1652
50A	6	8	4	16	64
50A	7	8	4	17	68
50A	8	10	2	113	1501
50A	9	10	2	113	1501
50A	10	10	2	113	1501
VB810					
50A	1	10	2	278	556
50A	2	10	2	276	552
50A	3	10	2	276	552
VB811					
50A	1	6.3	2	170	340
50A	2	10	2	159	318
50A	3	10	2	159	318
50A	4	10	2	159	318
50A	5	6.3	2	419	838
50A	6	6.3	2	437	874
50A	7	10	2	302	604
50A	8	10	2	302	604
50A	9	10	2	458	916
50A	10	10	2	458	916
VB812					
50A	1	20	5	219	1095
50A	2	20	5	219	1095
50A	3	10	14	175	2450
50A	4	10	4	154	616
VB814					
50A	1	6.3	2	210	420
50A	2	10	2	155	310
50A	3	6.3	2	155	310
50A	4	10	2	780	1560
50A	5	10	2	210	420
50A	6	6.3	2	210	420
50A	7	10	2	178	356
50A	8	10	1	118	118
50A	9	10	2	1024	2048
50A	10	10	2	102	204
50A	11	6.3	2	102	204
50A	12	10	2	139	278
50A	13	10	2	139	278
50A	14	10	2	196	392
50A	15	10	2	196	392
50A	16	10	2	776	1552
50A	17	10	2	776	1552
50A	18	10	2	255	510
50A	19	10	1	115	115
50A	20	10	2	115	230
50A	21	10	2	226	452
50A	22	10	1	324	324
50A	23	10	2	324	648
50A	24	10	2	1048	2096
50A	25	10	1	35	35
50A	26	10	2	1163	2326
50A	27	6.3	40	122	4880
50A	28	6.3	134	162	21708
50A	29	6.3	2	1163	2326
50A	30	6.3	4	1083	4332
50A	31	6.3	6	1197	7182
50A	32	6.3	2	696	1392
50A	33	6.3	2	863	1726

RESUMO A4 O CA 50-60			
A4-O	BIT (mm)	COMPR. (m)	PESO (kg)
50A	6.3	1910	468
50A	8	862	337
50A	10	1802	702
50A	12.5	202	202
50A	16	57	91
50A	20	35	55
Peso Total=	50A =		1908 kg

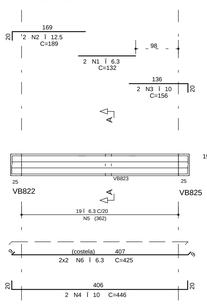
VB805 14/50



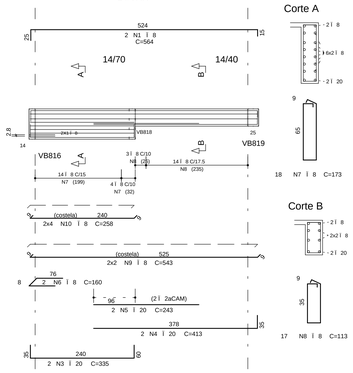
VB806 14/70



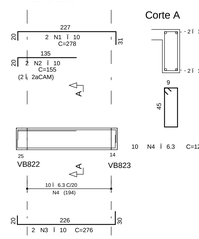
VB808 14/50



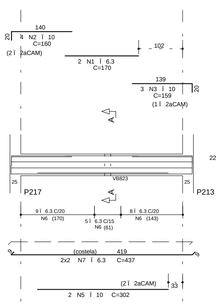
VB809 14/VAR



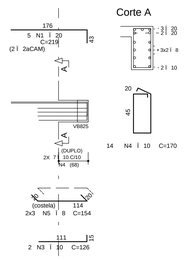
VB810 14/50



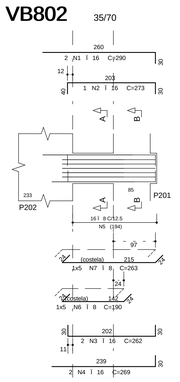
VB811 14/50



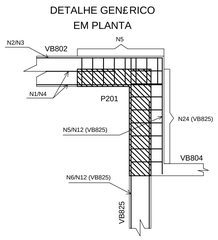
VB812 25/50



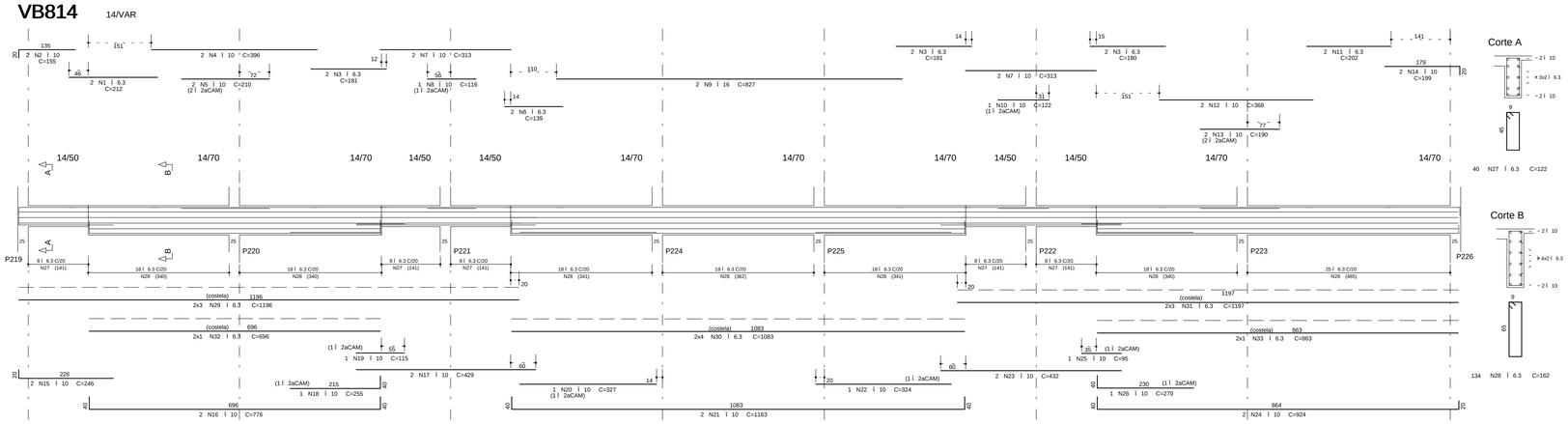
VB802 35/70



DETALHE GENÉRICO EM PLANTA



VB814 14/VAR



COBRIMENTO DA ARMADURA:

- LAJES = 2,0 cm
- VIGAS E PILARES = 2,5 cm
- BLOCOS,BALDRAMES E CONTENCOES (FACE EM CONTATO COM A TERRA) = 3,0 cm

1. ESSES COBRIMENTOS DEVERAO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.
COBRIMENTOS ESPECIFICOS EM CONTRARIO AOS VALORES INDICADOS ACIMA, ESTAO INDICADOS NOS DESENHOS DE FORMAS DOS PAVIMENTOS.

NORMAS UTILIZADAS:

NBR-6118/2003 - PROJETO E EXECUCAO DE OBRAS DE CONCRETO ARMADO
NBR-6120/1980 - CARGAS PARA O CALCULO DE ESTRUTURAS DE EDIFICACOES

INDICE:

VB801 A VB806, VB808 A VB812 E VB814

FCK= 35 MPa
EC = 28 GPa (MODULO DE ELASTICIDADE SECANTE AOS 28 DIAS).
A/C = 0,65 (FATOR AGUA CIMENTO)

REV	DATA	DESCRICAO
2	21/08/2014	NUMERACAO FINAL
1	26/06/2012	REVISEO DA VB809
0	21/06/2012	EMISSAO INICIAL

Simetria Engenharia
SIA QUADRA AC No 53 SALAS 201 A 203
BRASILIA-DF CEP: 71200-045
FABX: (0XX61) 3036-9633
simetria@simetria.eng.br

PROJETO ESTRUTURAL

CLIENTE:	GENT INCORPORADORA LTDA		
OBRA:	ED. RESIDENCIAL/COMERCIAL PAINEIRAS	No OBRA:	XXX
ENDERECO OBRA:	RUA 30 NORTE LOTE 03 - RUA DAS PAINEIRAS - AGUAS CLARAS DF		
DESCRICAO:	ARMACAO DAS VIGAS PISO DO 4o PAVIMENTO TORRE 2 - JUNTA B (01/02)	DESENHO No:	BL2 059-085
DESENHISTA: TQS/ PRISCILLA	DATA: 21/06/2012	ESCALA: 1:50	UNIDADE: CM
ARQUIVO:R.T: 478 -EST-BL2- 059-085 -R02 -VIG.PLT			No PROJ. SIMETRIA: 478

PROPRIETARIO: RESPONSAVEL TECNICO

RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL

SIMETRIA ENGENHARIA E PROJETOS S/C LTDA
CREA:2725/RF

SIMETRIA ENGENHARIA DE PROJETOS S/C LTDA PLOTADO POR: CONSPOLITAN - TORRE 2 - JUNTA B/B-01 PAVIMENTO - 21/06/2012 17:32:17