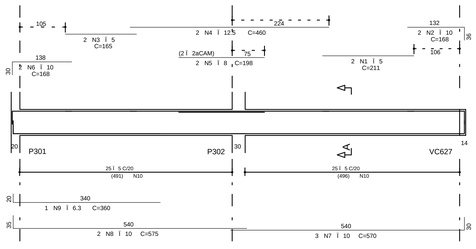
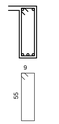
VC601 14/60

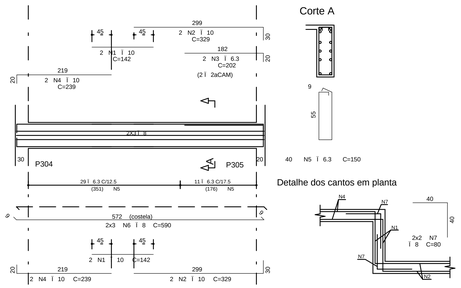


Corte A



50 N10 I 5 C=138

VC602 14/60

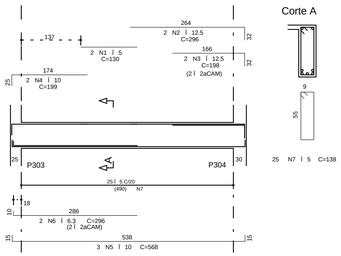


Corte A

40 N5 I 6.3 C=150

Detalhe dos cantos em planta

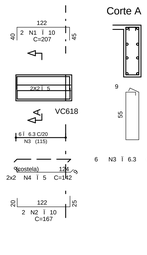
VC603 14/60



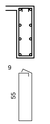
Corte A

25 N7 I 5 C=138

VC604/VC611 14/60

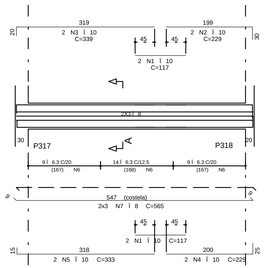


Corte A

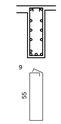


6 N3 I 6.3 C=150

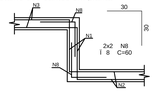
VC613 14/60



Corte A

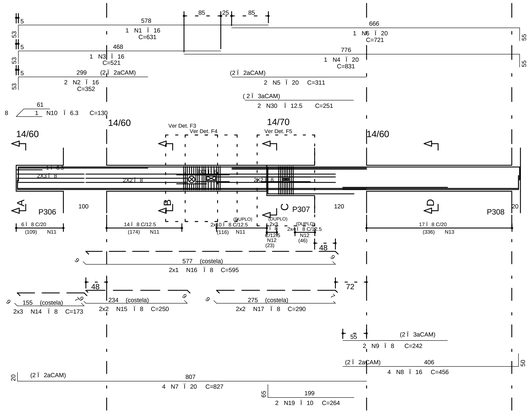


Detalhe dos cantos em planta

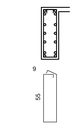


32 N6 I 6.3 C=150

VC605 14/VAR

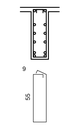


Corte A



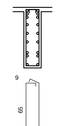
6 N11 I 8 C=153

Corte B



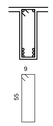
34 N11 I 8 C=153

Corte C



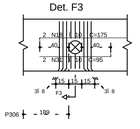
14 N12 I 8 C=173

Corte D

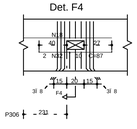


17 N13 I 8 C=144

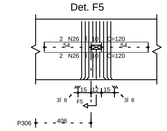
Det. F3



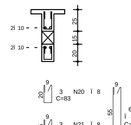
Det. F4



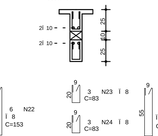
Det. F5



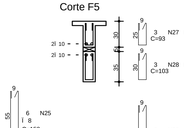
Corte F3



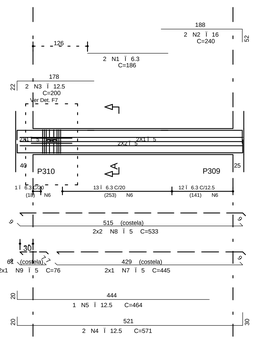
Corte F4



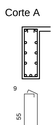
Corte F5



VC607 14/60

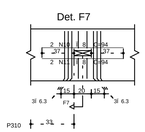


Corte A

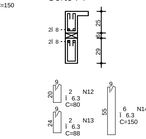


26 N6 I 6.3 C=150

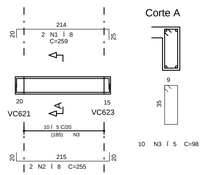
Det. F7



Corte F7



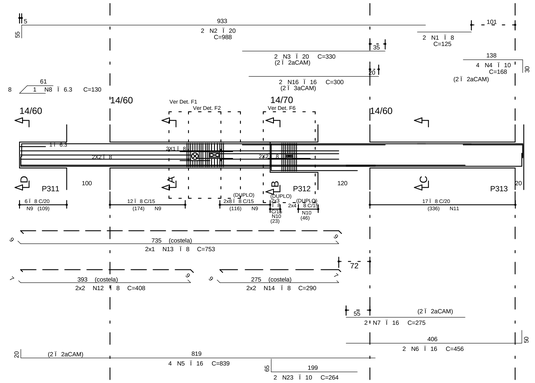
VC606/VC608 14/40



Corte A

10 N3 I 5 C=98

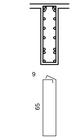
VC609 14/VAR



Corte A

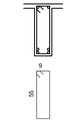
28 N9 I 8 C=153

Corte B



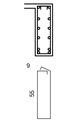
14 N10 I 8 C=173

Corte C



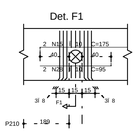
17 N11 I 8 C=144

Corte D

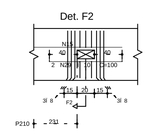


6 N9 I 8 C=153

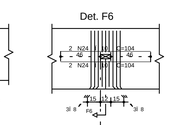
Det. F1



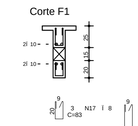
Det. F2



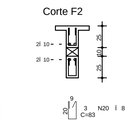
Det. F6



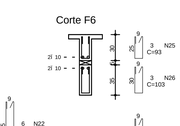
Corte F1



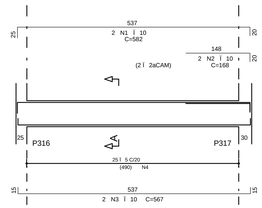
Corte F2



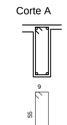
Corte F6



VC612 14/60

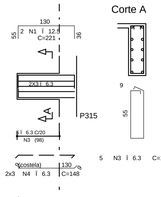


Corte A



25 N4 I 5 C=138

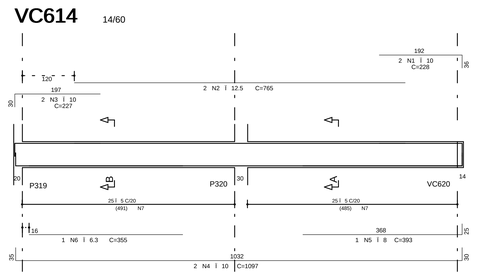
VC610 14/60



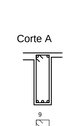
Corte A

5 N3 I 6.3 C=150

VC614 14/60

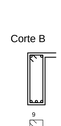


Corte A



25 N7 I 5 C=138

Corte B



25 N7 I 5 C=138

Ad O	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
VC601 (x01)					
SSA	1	8	10	611	6110
SSA	2	10	10	168	1680
SSA	3	10	10	460	4600
SSA	4	12.5	10	650	6500
SSA	5	8	10	198	1980
SSA	6	10	10	211	2110
SSA	7	10	10	556	5560
SSA	8	16	10	575	5750
SSA	9	20	10	570	5700
SSA	10	6.3	260	360	93600
VC602 (x01)					
SSA	1	8	10	590	5900
SSA	2	10	10	329	3290
SSA	3	12.5	10	202	2020
SSA	4	10	10	239	2390
SSA	5	6.3	260	150	39000
SSA	6	20	10	590	5900
SSA	7	20	20	590	11800
VC603 (x01)					
SSA	1	8	10	590	5900
SSA	2	10	10	296	2960
SSA	3	12.5	10	198	1980
SSA	4	10	10	199	1990
SSA	5	16	10	568	5680
SSA	6	6.3	10	296	2960
SSA	7	20	10	568	11360
VC604 (x01)					
SSA	1	10	20	207	4140
SSA	2	10	20	162	3240
SSA	3	6.3	80	150	9600
VC605 (x01)					
SSA	1	16	5	631	3155
SSA	2	16	5	352	1760
SSA	3	20	5	311	1555
SSA	4	20	5	831	4155
SSA	5	16	5	521	2605
SSA	6	20	5	721	3605
SSA	7	20	20	827	16540
SSA	8	8	5	130	650
SSA	9	6.3	5	130	650
SSA	10	6.3	10	130	650
SSA	11	8	5	595	2975
SSA	12	8	5	70	11110
SSA	13	8	85	164	13190
SSA	14	8	5	173	1730
SSA	15	8	5	250	1250
SSA	16	8	10	336	5850
SSA	17	8	5	290	1450
SSA	18	10	10	776	7760
SSA	19	10	10	264	2640
SSA	20	8	10	242	2420
SSA	21	8	10	456	4560
SSA	22	8	90	153	13770
SSA	23	8	90	83	7470
SSA	24	8	90	73	6570
SSA	25	8	90	153	13770
SSA	26	8	90	83	7470
SSA	27	8	90	93	8370
SSA	28	8	90	103	9270
SSA	29	8	90	173	15570
SSA	30	10	10	264	2640
SSA	31	8	10	827	8270
VC606 (x01)					
SSA	1	8	20	259	5180
SSA	2	8	20	255	5100
SSA	3	8	105	98	9800
SSA	4	8	5	185	1850
SSA	5	8	5	98	980
SSA	6	8	10	185	3700
SSA	7	8	10	255	5100
SSA	8	8	10	259	5180
VC607 (x01)					
SSA	1	8	10	611	6110
SSA	2	10	10	168	1680
SSA	3	10	10	460	4600
SSA	4	12.5	10	650	6500
SSA	5	8	10	198	1980
SSA	6	10	10	211	2110
SSA	7	10	10	556	5560
SSA	8	16	10	575	5750
SSA	9	20	10	570	5700
SSA	10	6.3	260	360	93600
VC608 (x01)					
SSA	1	8	20	259	5180
SSA	2	8	20	255	5100
SSA	3	8	105	98	9800
SSA	4	8	5	185	1850
SSA	5	8	5	98	980
SSA	6	8	10	185	3700
SSA	7	8	10	255	5100
SSA	8	8	10	259	5180
VC609 (x01)					
SSA	1	8	10	611	6110
SSA	2	10	10	168	1680
SSA	3	10	10	460	4600
SSA	4	12.5	10	650	6500
SSA	5	8	10	198	1980
SSA	6	10	10	211	2110
SSA	7	10	10	556	5560
SSA	8	16	10	575	5750
SSA	9	20	10	570	5700
SSA	10	6.3	260	360	93600
VC610 (x01)					
SSA	1	8	10	611	6110
SSA	2	10	10	168	1680
SSA	3	10	10	460	4600
SSA	4	12.5	10	650	6500
SSA	5	8	10	198	1980
SSA	6	10	10	211	2110
SSA	7	10	10	556	5560
SSA	8	16	10	575	5750
SSA	9	20	10	570	5700
SSA	10	6.3	260	360	93600
VC611 (x01)					
SSA	1	8	10	611	6110
SSA	2	10	10	168	1680
SSA	3	10	10	460	4600
SSA	4	12.5	10	650	6500
SSA	5	8	10	198	1980
SSA	6	10	10	211	2110
SSA	7	10	10	556	5560
SSA	8	16	10	575	5750
SSA	9	20	10	570	5700
SSA	10	6.3	260	360	93600
VC612 (x01)					
SSA	1	8	10	611	6110
SSA	2	10	10	168	1680
SSA	3	10	10	460	4600
SSA	4	12.5	10	650	6500
SSA	5	8	10	198	1980
SSA	6	10	10	211	2110
SSA	7	10	10	556	5560
SSA	8	16	10	575	5750
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SSA	9	20	10	570	5700
SSA	10	6.3	260	360	93600

RESUMO Ad O CA 50/60

Ad O	BIT (mm)	COMPR (m)	PESO (kg)
SSA	6.3	1388	274
SSA	8	1388	549
SSA	10	2502	1001
SSA	12.5	1145	718
SSA	16	1143	1156
SSA	20	1140	1794
Peso Total SSA =		809	6501
Peso Total SSA =			224 kg
Peso Total =			6281 kg

COBRIMENTO DA ARMADURA: [1]

- 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:

VC601 A VC614

FCK= 30 MPa
EC = 26 GPa (MODULO DE ELASTICIDADE SECANTE AOS 28 DIAS).
A/C = 0,65 (FATOR AGUA CIMENTO)

REV	DATA	DESCRICAO
0	15/10/2010	EMISSAO INICIAL

Simetria Engenharia
Rua Quatorze, 40 Sala 201 a 205
BRASILIA-DF CEP: 71200-045
PABX: (0xx61) 3036-9410
simetria@simetria.eng.br

PROJETO ESTRUTURAL

CLIENTE:	DISCO INCORPORADORA IMOBILIARIA LTDA
OBRA:	ED. RESIDENCIAL OLYMPIQUE — No OBRA: 001
ENDERECO OBRA:	SRIA AREA ESPECIAL 04 LOTES G E H GUARA-DF
DESCRICAO:	ARMACAO DAS VIGAS DO PISO DO 2o AO 6o PAV. TORRE B - JUNTA C (01/02) — DESENHO No: 366-XXX
DESENHISTA: TOSI/ J.HENRIQUE	DATA: 15/10/2010 — ESCALA: 1:50 — UNIDADE: CM — No PROJ. SIMETRIA: 421
ARQUIVO PLT:	421 -EST- 366-XXX -R00 .PLT
PROPRIETARIO:	RESPONSAVEL TECNICO:

RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL

SIMETRIA ENGENHARIA E PROJETOS S/C LTDA
CREA 2725/RP

SIMETRIA ENGENHARIA DE PROJETOS S/C LTDA PLT C:\TOSI\WORK\TMP\2 JUNTA C- TORRE B\SSA-GF\VIGAS\VIGAS01.PLT 15/10/2010 17:26:14