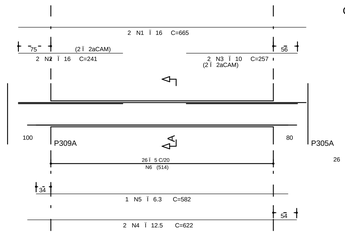
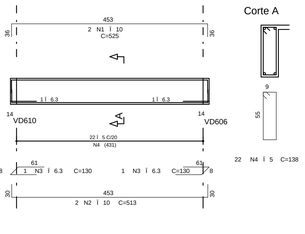
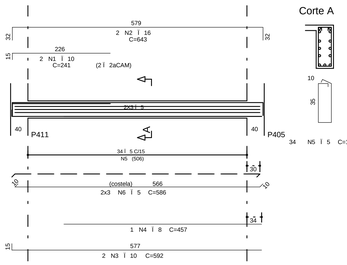
VD616 14/60



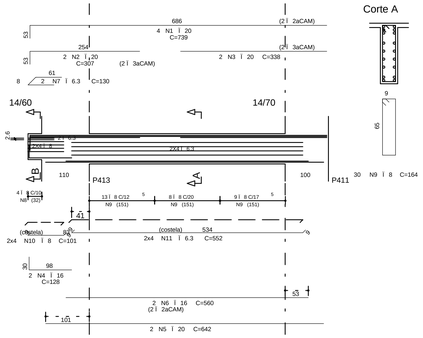
VD617 14/60



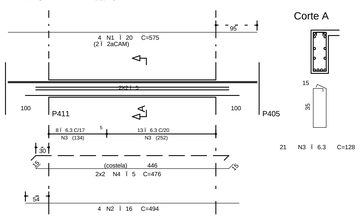
VD619 15/40



VD620 (3o AO 6o PAV) 14/VAR



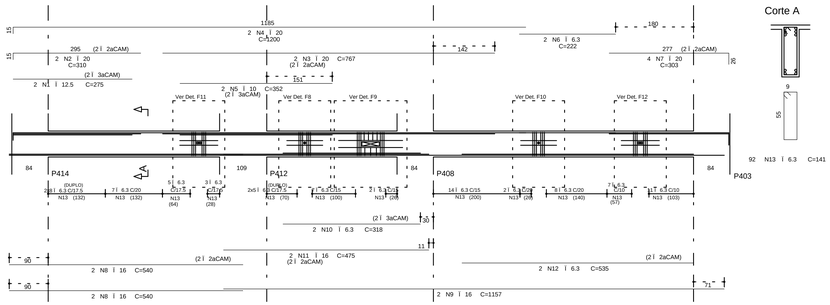
VD621 20/40

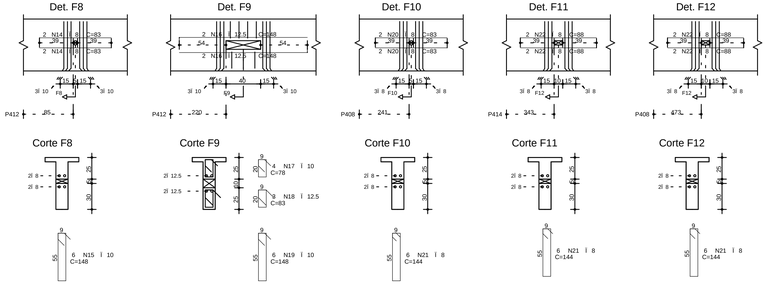


	A4 O	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
VD616	AO1					
	50A	1	16	10	665	6650
	50A	2	10	10	257	2570
	50A	3	10	10	241	2410
	50A	4	12.5	10	622	6220
	50A	5	6.3	10	582	5820
	50A	6	5	10	138	1380
VD617	AO1					
	50A	1	10	10	525	5250
	50A	2	6.3	10	130	1300
	50A	3	6.3	10	130	1300
	50A	4	5	10	138	1380
VD619	AO1					
	50A	1	16	10	643	6430
	50A	2	10	10	241	2410
	50A	3	20	8	506	4048
	50A	4	20	8	566	4528
	50A	5	20	8	586	4688
	50A	6	6.3	10	457	4570
	50A	7	6.3	10	592	5920
	50A	8	5	10	110	1100
VD620	AO1					
	50A	1	20	16	739	11824
	50A	2	20	8	307	2456
	50A	3	20	8	336	2688
	50A	4	20	8	130	1040
	50A	5	20	8	642	5136
	50A	6	16	8	560	4480
	50A	7	6.3	16	642	10272
	50A	8	6.3	16	101	1616
	50A	9	6.3	40	164	6560
	50A	10	6.3	30	153	4590
	50A	11	5	30	138	4140
VD621	AO1					
	50A	1	16	10	575	5750
	50A	2	6.3	16	128	2048
	50A	3	6.3	16	494	7904
	50A	4	6.3	16	446	7136
	50A	5	6.3	16	476	7616
VD622	AO1					
	50A	1	16	10	739	7390
	50A	2	20	8	347	2776
	50A	3	20	10	739	7390
	50A	4	20	8	307	2456
	50A	5	16	10	118	1180
	50A	6	16	20	601	12020
	50A	7	6.3	10	546	5460
	50A	8	6.3	10	101	1010
	50A	9	6.3	40	150	6000
	50A	10	6.3	30	116	3480
	50A	11	5	30	96	2880
VD623	AO1					
	50A	1	16	10	479	4790
	50A	2	10	10	468	4680
	50A	3	20	10	767	7670
	50A	4	20	10	310	3100
	50A	5	20	10	352	3520
	50A	6	6.3	10	222	2220
	50A	7	20	20	303	6060
	50A	8	16	20	540	10800
	50A	9	16	10	1157	11570
	50A	10	6.3	10	318	3180
	50A	11	16	10	475	4750
	50A	12	6.3	10	535	5350
	50A	13	6.3	460	10	44850
	50A	14	8	30	10	1980
	50A	15	12.5	10	275	2750
	50A	16	12.5	10	352	3520
	50A	17	10	20	78	1560
	50A	18	10	20	78	1560
	50A	19	10	20	44	880
	50A	20	8	20	44	1980
	50A	21	8	20	44	1980
	50A	22	8	30	30	2700
VD624	AO1					
	50A	1	20	10	332	3320
	50A	2	20	8	377	3016
	50A	3	20	8	160	1280
	50A	4	20	8	411	3288
	50A	5	8	10	132	1320
	50A	6	8	130	164	18880
	50A	7	6.3	10	309	3090
	50A	8	12.5	30	332	9960
VD625	AO1					
	50A	1	20	10	332	3320
	50A	2	20	8	377	3016
	50A	3	20	8	160	1280
	50A	4	20	8	411	3288
	50A	5	8	10	132	1320
	50A	6	8	130	164	18880
	50A	7	6.3	10	309	3090
	50A	8	12.5	30	332	9960
VD626	AO1					
	50A	1	10	10	487	4870
	50A	2	6.3	10	437	4370
	50A	3	6.3	20	437	8740
	50A	4	6.3	30	422	12660
VD627	AO1					
	50A	1	10	10	487	4870
	50A	2	10	10	437	4370
	50A	3	6.3	20	437	8740
	50A	4	6.3	30	422	12660
VSED601	AO1					
	50A	1	12.5	10	214	2140
	50A	2	10	10	150	1500
	50A	3	6.3	25	150	3750
	50A	4	6.3	25	148	3700

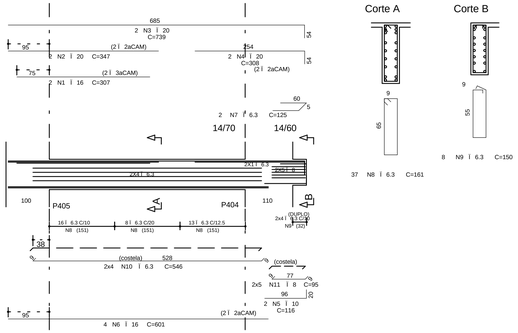
RESUMO A4 O CA 50/60			
A4 O	BIT (mm)	COMPR (cm)	PESO (kg)
50B	5	2400	74
50A	5.0	2580	320
50A	6	1351	540
50A	6.3	1351	1215
50A	12.5	220	215
50A	16	731	1189
50A	20	78	191
Peso Total 50B =			148 kg
Peso Total 50A =			5188 kg

VD618 14/60

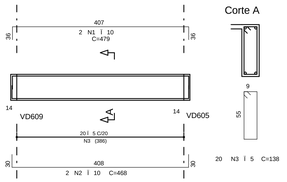




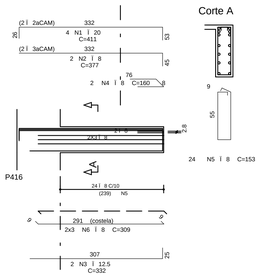
VD622 14/VAR



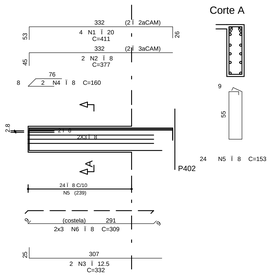
VD623 14/60



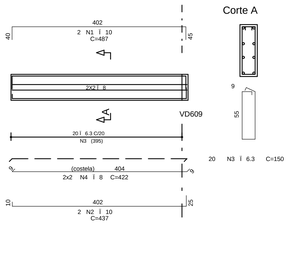
VD624 14/60



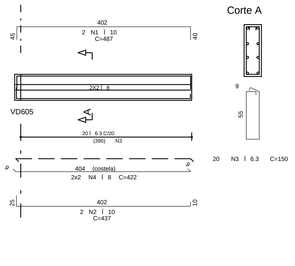
VD625 14/60



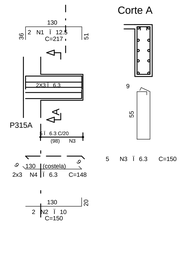
VD626 14/60



VD627 14/60



VSED601 14/60



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:

VD616 A VD627, VSED601

FCK= 35 MPa

EC = 28 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
SIMETRIA
Ind Quadra 40 Sq 01 SALAS 201 a 207
BRASILIA-DF CEP: 71200-045
FABX: (0XX61) 3036-9610
simetria@simetria.eng.br

PROJETO ESTRUTURAL

CLIENTE: DISCO INCORPORADORA E IMOBILIARIA LTDA
OBRA: EDIFICIO RESIDENCIAL OLYMPIQUE — No OBRA:
ENDEREOCO OBRA: SRIA AREA ESPECIAL 04, LOTES G e H, GUARA-DF
DESCRICAO: ARMA¢ÃO DE VIGAS - TORRE B - JUNTA D
VIGAS DO 2o AO 6o PAV (02/02)
DESENHO No: 370-XXX
DESENHISTA: TQS/ J.HENRIQUE | DATA: 15/10/2010 | ESCALA: 1:50 | UNIDADE: CM | No PROJ. SIMETRIA: 421
ARQUIVO PLT: 421 -EST-370-XXX -R00 .PLT
PROPRIETARIO: RESPONSAVEL TECNICO:
RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL:
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA
CREA:2725RF