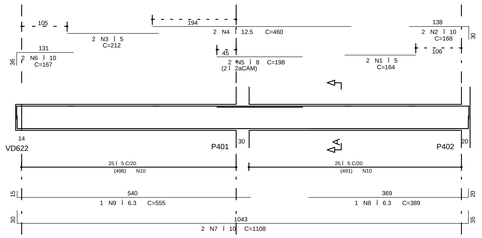
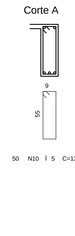
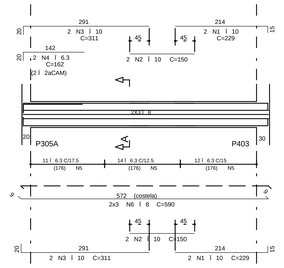
VD601 14/60



Corte A

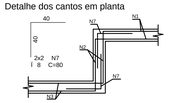


VD602 14/60

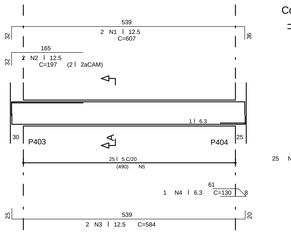


Corte A

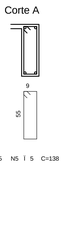
Detalhe dos cantos em planta



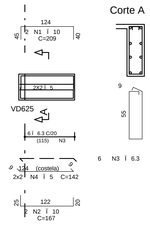
VD603 14/60



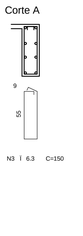
Corte A



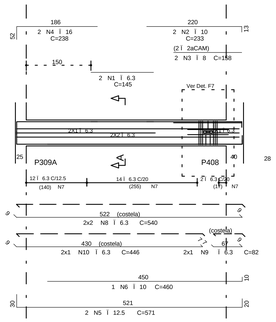
VD604/VD611 14/60



Corte A

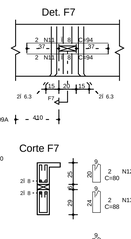


VD606 14/60

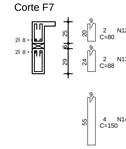


Corte A

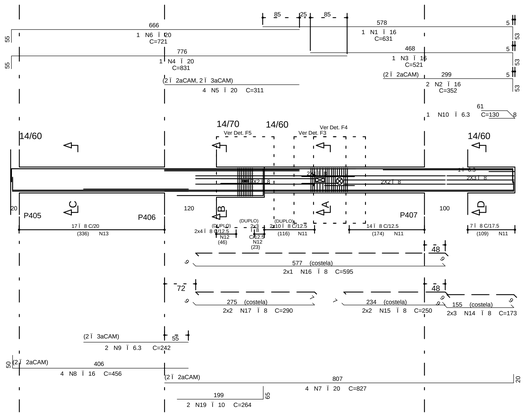
Det. F7



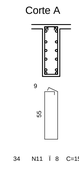
Corte F7



VD605 14/VAR

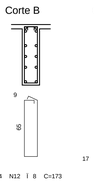


Corte A

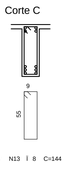


Corte B

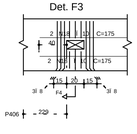
Corte C



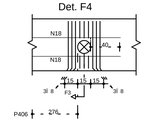
Corte D



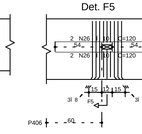
Det. F3



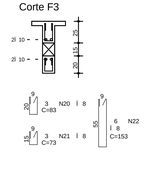
Det. F4



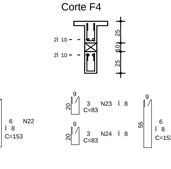
Det. F5



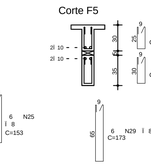
Corte F3



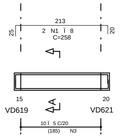
Corte F4



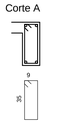
Corte F5



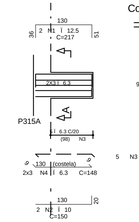
VD607/VD608 14/40



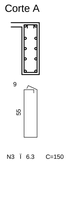
Corte A



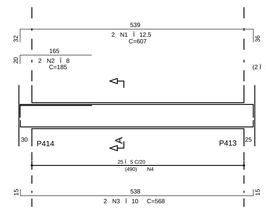
VD610 14/60



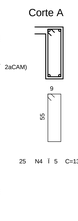
Corte A



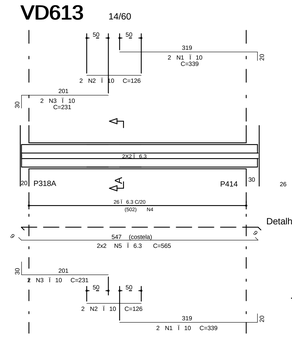
VD612 14/60



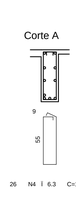
Corte A



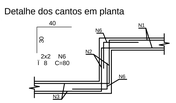
VD613 14/60



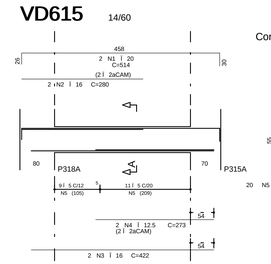
Corte A



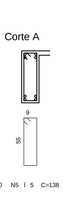
Detalhe dos cantos em planta



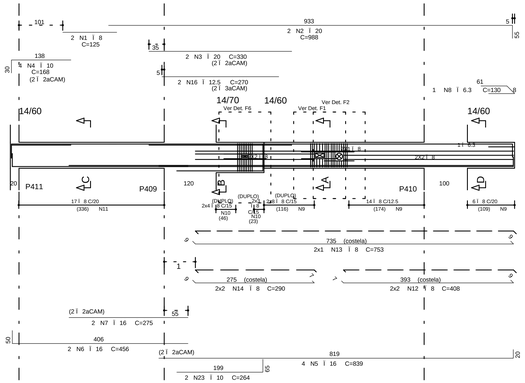
VD615 14/60



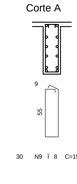
Corte A



VD609 14/VAR

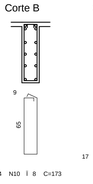


Corte A

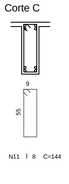


Corte B

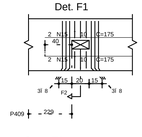
Corte C



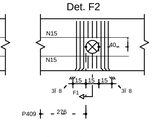
Corte D



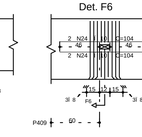
Det. F1



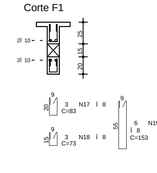
Det. F2



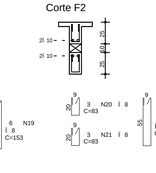
Det. F6



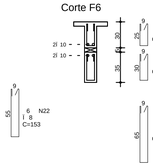
Corte F1



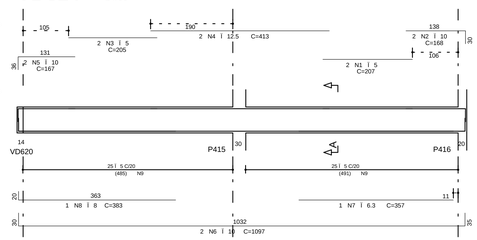
Corte F2



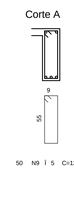
Corte F6



VD614 14/60



Corte A



REQUADRO A4 O CA 50:60

A4 O	BIT (mm)	COMPR (m)	PESO (kg)
60	6.3	1344	535
50A	8	2368	940
50A	10	1480	920
50A	12.5	430	430
50A	16	939	930
50A	20	368	1072
Peso Total 60A =			535 Kg
Peso Total 50A =			4352 Kg

A4 O	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT	COMPRIMENTO TOTAL
VD601 (AO)				(cm)	(cm)
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD602 (AO)					
60A	1	10	20	419	8380
50A	2	10	20	1480	29600
60A	3	6.3	20	311	6220
50A	4	12.5	20	1580	31600
50A	5	16	20	27732	554640
50A	6	20	20	1480	29600
VD603 (AO)					
60A	1	6.3	10	258	2580
50A	2	6.3	10	258	2580
VD604 (AO)					
60A	1	6.3	10	209	2090
50A	2	6.3	10	144	1440
50A	3	6.3	5	130	650
50A	4	6.3	5	130	650
VD605 (AO)					
60A	1	6.3	10	209	2090
50A	2	6.3	20	144	2880
50A	3	6.3	40	130	5200
50A	4	6.3	40	130	5200
VD606 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD607 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD608 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD609 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD610 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD611 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD612 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD613 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
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50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880
VD615 (AO)					
60A	1	6.3	10	334	3340
50A	2	10	10	1480	14800
60A	3	6.3	10	212	2120
50A	4	12.5	10	1580	15800
50A	5	16	10	1687	16870
50A	6	20	10	1688	16880
60A	7	6.3	10	1688	16880
50A	8	6.3	10	1675	16750
50A	9	6.3	10	1688	16880

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
- BLOCOS,BALDRAMES E CONTENCOES (FACE EM CONTATO COM O USO DE ESPACADORES OU PASTILHAS.

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:

VD601 A VD615

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
Rua Quadra 4C No 51 SALAS 201 a 205
BRASILIA-DF CEP: 71200-045
PABX: (0XX61) 3036-9410
simetria@simetria.eng.br

PROJETO ESTRUTURAL

CLIENTE:	DISCO INCORPORADORA E IMOBILIARIA LTDA
OBRA:	EDIFICIO RESIDENCIAL OLYMPIQUE — No OBRA:
ENDERECO OBRA:	SRIA AREA ESPECIAL 04, LOTES G e H, GUARA-DF
DESCRICAO:	ARMAÇÃO DE VIGAS - TORRE B - JUNTA D VIGAS DO 2o AO 6o PAV (01/02) — DESENHO No: 369-XXX
DESENHISTA: TOSI/ J.HENRIQUE	DATA: 15/10/2010 — ESCALA: 1:50 — UNIDADE: CM — No PROJ. SIMETRIA: 421
ARQUIVO PLT:	421 -EST-369-XXX -R00 .PLT
PROPRIETARIO:	RESPONSAVEL TECNICO:

RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL

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

DIRETA ENGENHARIA DE PROJETOS S/C LTDA R. C:\TOSI\WORK\TMP\2 JUNTA\D TORRE B\SAP\VIGAS\VIGAS\VD613 15/10/2010 17:47:28