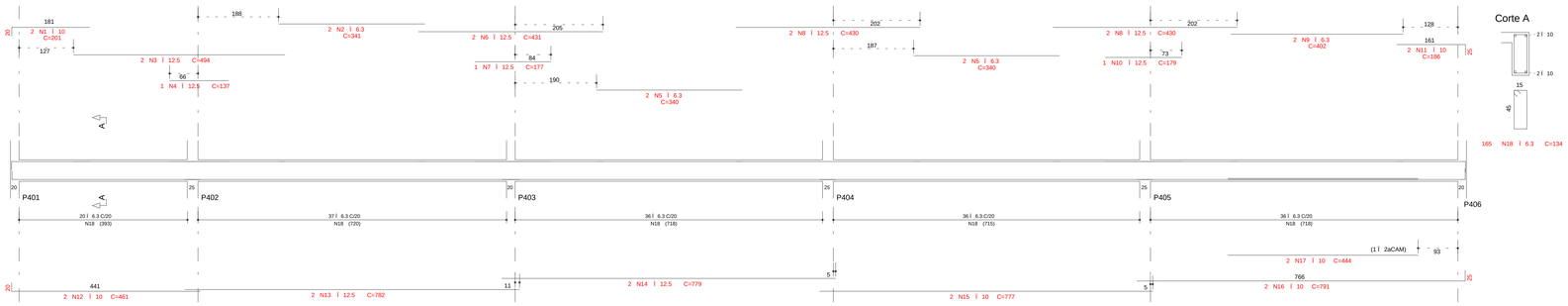
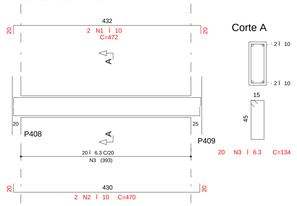
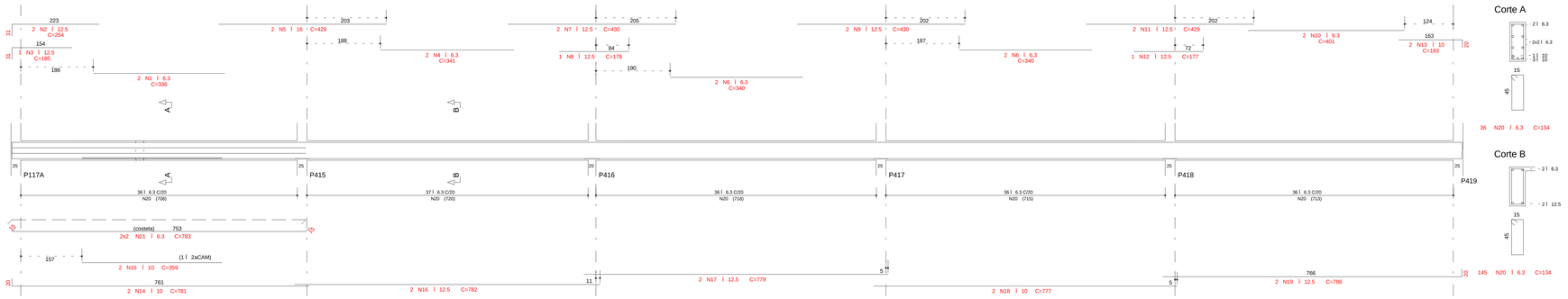
VD101 20/50



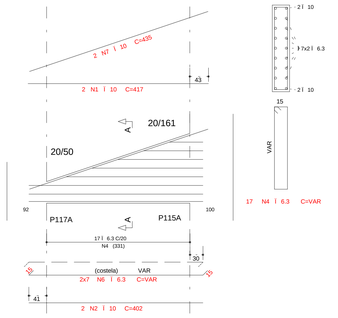
VD102 20/50



VD103 20/50



VD104 20/VAR

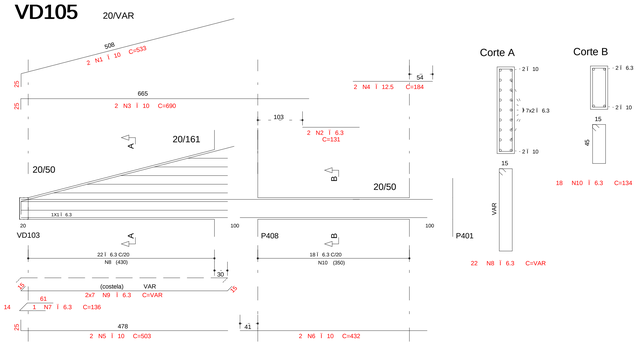


	Ad O	POS	BIT (mm)	QUANT.	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
VD101						
	50A	1	10	2	201	402
	50A	2	6.3	2	341	682
	50A	3	12.5	2	494	988
	50A	4	12.5	1	137	137
	50A	5	6.3	4	340	1360
	50A	6	12.5	2	431	862
	50A	7	12.5	1	177	177
	50A	8	12.5	4	430	1720
	50A	9	6.3	2	402	804
	50A	10	12.5	1	179	179
	50A	11	10	2	186	372
	50A	12	10	2	461	922
	50A	13	12.5	2	782	1564
	50A	14	12.5	2	779	1558
	50A	15	10	2	777	1554
	50A	16	10	2	791	1582
	50A	17	10	2	444	888
	50A	18	6.3	165	134	22110
VD102						
	50A	1	10	2	472	944
	50A	2	10	2	470	940
	50A	3	6.3	20	134	2680
VD103						
	50A	1	6.3	2	336	672
	50A	2	12.5	2	254	508
	50A	3	12.5	1	185	185
	50A	4	6.3	2	341	682
	50A	5	16	2	429	858
	50A	6	6.3	4	340	1360
	50A	7	12.5	1	178	178
	50A	8	12.5	1	177	177
	50A	9	12.5	2	430	860
	50A	10	6.3	2	402	804
	50A	11	12.5	2	429	858
	50A	12	12.5	1	177	177
	50A	13	10	2	183	366
	50A	14	10	2	781	1562
	50A	15	10	2	359	718
	50A	16	12.5	2	782	1564
	50A	17	12.5	2	779	1558
	50A	18	10	2	777	1554
	50A	19	12.5	2	786	1572
	50A	20	6.3	181	134	24254
	50A	21	6.3	4	783	3132
VD104						
	50A	1	16	2	417	834
	50A	2	10	2	402	804
	50A	3	6.3	14	134	1876
	50A	4	6.3	2	435	870
	50A	5	10	2		
VD105						
	50A	1	10	2	533	1066
	50A	2	10	2	690	1380
	50A	3	10	2	880	1760
	50A	4	12.5	2	184	368
	50A	5	6.3	2	503	1006
	50A	6	10	2	432	864
	50A	7	6.3	1	136	136
	50A	8	6.3	18	134	2412
	50A	9	6.3	14	VAR	4476
	50A	10	6.3	16	134	2412
VD106						
	50A	1	12.5	2	908	1816
	50A	2	12.5	4	422	1688
	50A	3	6.3	2	422	844
	50A	4	12.5	2	475	950
	50A	5	6.3	21	144	3024
	50A	6	6.3	14	VAR	4536
VD107						
	50A	1	6.3	2	162	324
	50A	2	10	2	162	324
	50A	3	6.3	2	150	300
	50A	4	10	2	156	312
	50A	5	10	2	156	312
	50A	6	10	4	422	1688
	50A	7	6.3	36	134	4824
VED101						
	50A	1	25	4	664	2656
	50A	2	25	4	480	1920
	50A	3	25	4	286	1144
	50A	4	25	4	638	2552
	50A	5	10	20	255	5100
	50A	6	12.5	20	255	5100
	50A	7	8	66	233	15378
	50A	8	12.5	66	233	15378
	50A	10	10	8	143	858
	50A	11	20	2	283	566
VED102						
	50A	1	25	4	664	2656
	50A	2	25	4	487	1948
	50A	3	25	2	271	542
	50A	4	25	4	643	2572
	50A	5	10	20	255	5100
	50A	6	6.3	4	185	740
	50A	7	10	20	255	5100
	50A	8	8	66	233	15378
	50A	9	12.5	66	233	15378
	50A	10	10	8	143	858
VED103						
	50A	1	25	4	664	2656
	50A	2	25	4	479	1916
	50A	3	25	2	271	542
	50A	4	25	4	643	2572
	50A	5	10	20	255	5100
	50A	6	8	66	233	15378
	50A	7	12.5	66	233	15378
	50A	8	8	8	143	858
	50A	11	10	8	142	852
VED104						
	50A	1	25	36	655	17430
	50A	2	25	20	636	12720
	50A	3	8	32	181	23136
	50A	4	8	62	365	22630
	50A	5	12.5	17	345	14365
	50A	6	25	119	275	32725
	50A	7	25	31	875	27125

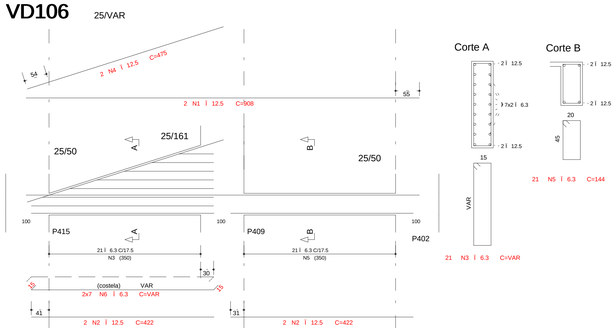
RESUMO AE O CA 50-60

Ad O	BIT (mm)	COMPR (m)	PESO (kg)
50A	6.3	1315	293
50A	8	233	92
50A	10	388	240
50A	12.5	967	937
50A	16	9	14
50A	25	1	24
50A	25	800	2018
Peso Total 50A =			4587 kg

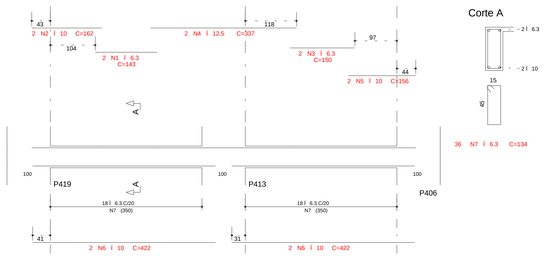
VD105 20/VAR



VD106 25/VAR



VD107 20/50



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

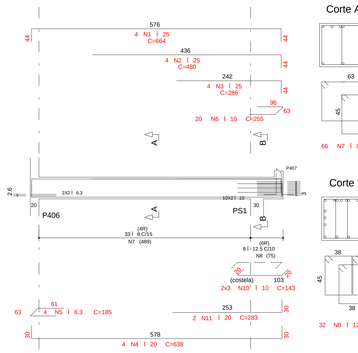
1. ESSES COBRIMENTOS DEVERAO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.
COBRIMENTOS ESPECIFICOS EM CONTRARIO AOS VALORES INDICADOS ACIMA, ESTAO INDICADOS NOS DESENHOS DE FORMAS DOS PAVIMENTOS.

NORMAS UTILIZADAS:

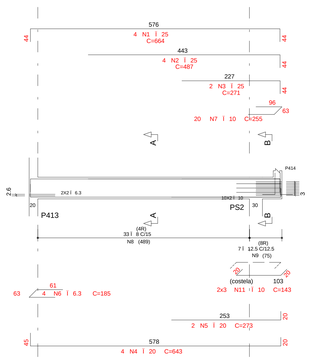
NBR-6118/2003 - PROJETO E EXECUCAO DE OBRAS DE CONCRETO ARMADO
NBR-6120/1980 - CARGAS PARA O CALCULO DE ESTRUTURAS DE EDIFICACOES

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

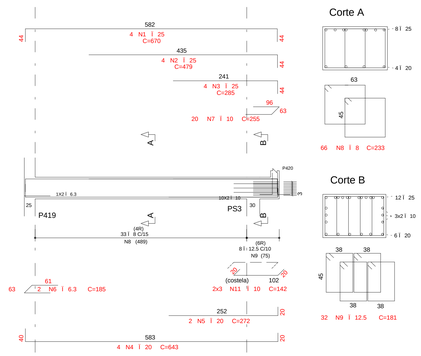
VED101 100/50



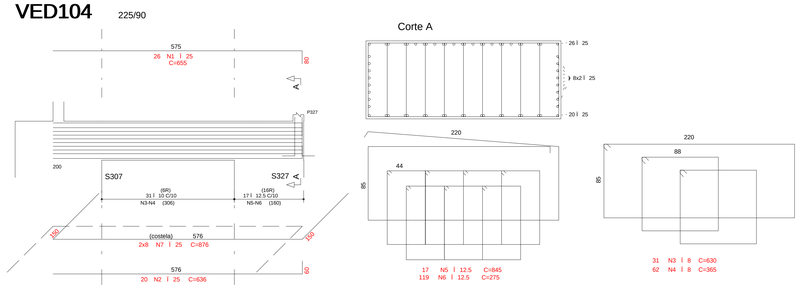
VED102 100/50



VED103 100/50



VED104 225/90



REV	DATA	DESCRICAO
3	02/09/2014	NUMERACAO FINAL
2	25/02/2013	ALTERA4 AO DA VD101, VD102, VD104 E VD105
1	23/10/2012	REVISAO: MODIFICADA VED104
0	29/08/2012	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 02 - RUA DAS PAINEIRAS - AGUAS CLARAS DF		
DESCRICAO:	ARMACAO DAS VIGAS - EMBASAMENTO - JUNTA D 2o SUBSOLO	DESENHO No:	BL4 016-052

DESENHISTA:	DATA:	ESCALA:	UNIDADE	No PROJ. SIMETRIA:
TQS/ PRISCILLA	29/08/2012	1:50	CM	478

ARQUIVO PLT:
478 -EST-BL4- 016-052 -R03 -VIG.PLT

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 PL C:\TQS\WinNT\ - CONAPO(PLOTTAR - EMBAS - JUNTA D\VD 25 SUBSOLO\VIGAS\VIGAS.PLT 02/09/2014 07:36:43