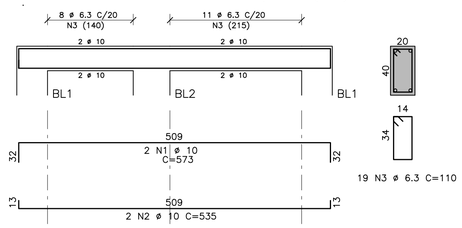
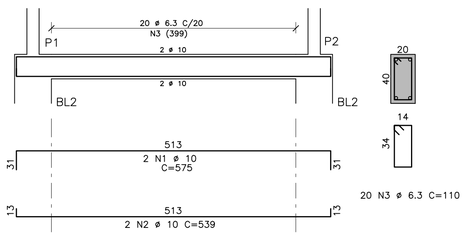
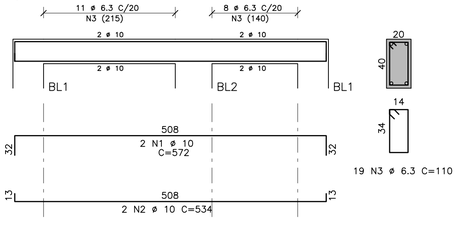
VB1=VB3=VB35=VB37 20/40 (4X)



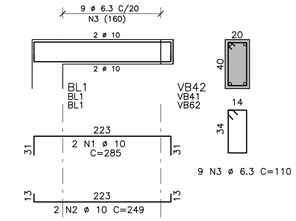
VB2 20/40



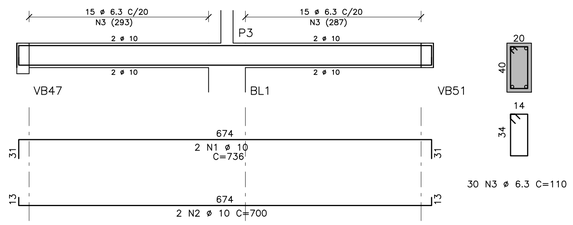
VB4=VB36=VB38 20/40 (3X)



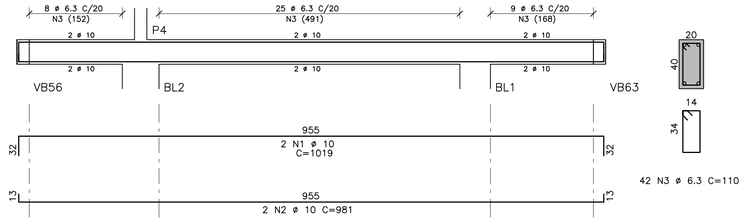
VB5=VB29=VB32 20/40 (3X)



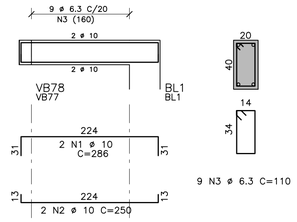
VB6 20/40



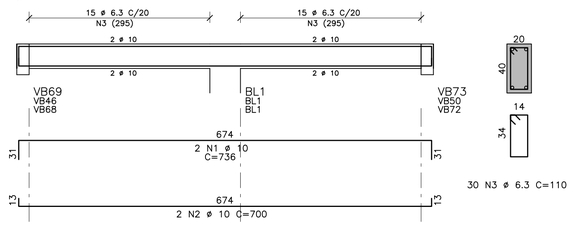
VB7 20/40



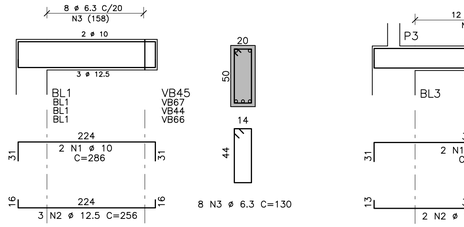
VB9=VB34 20/40 (2X)



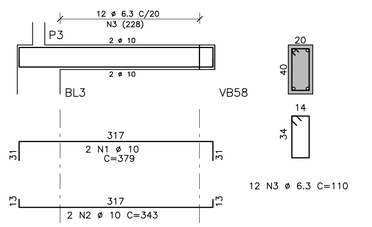
VB8=VB30=VB33 20/40 (3X)



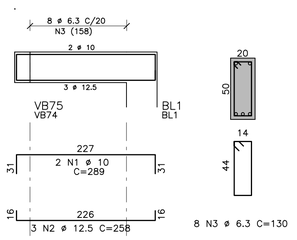
VB10=VB11=VB25=VB27 20/50 (4X)



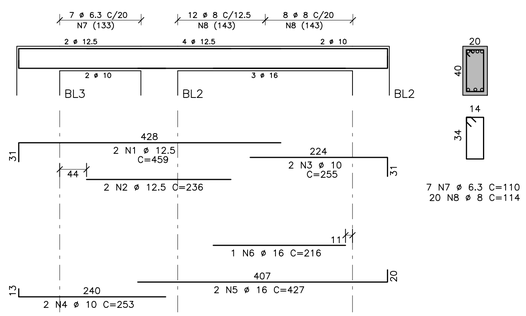
VB10A 20/40



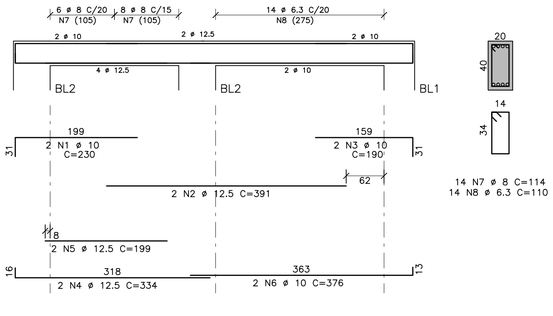
VB12=VB28 20/50 (2X)



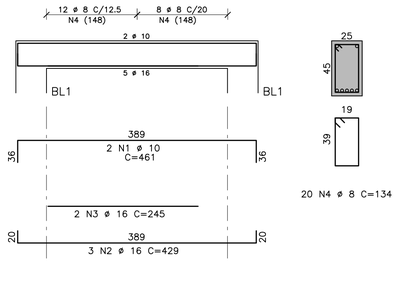
VB13 20/40



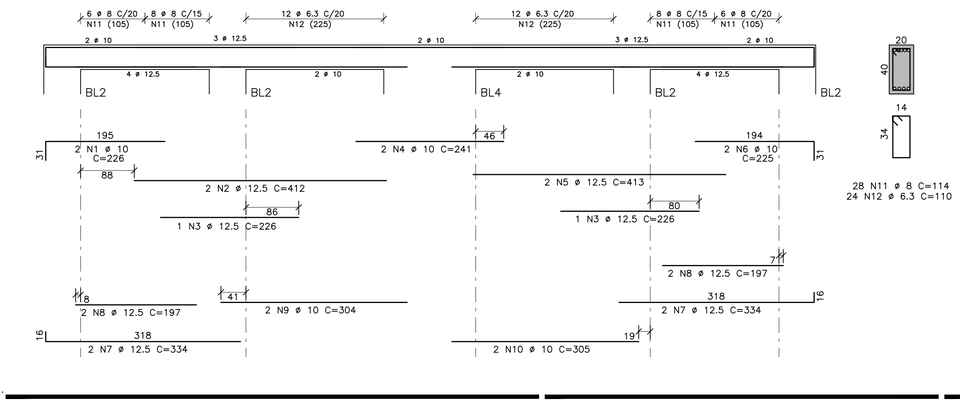
VB14 20/40



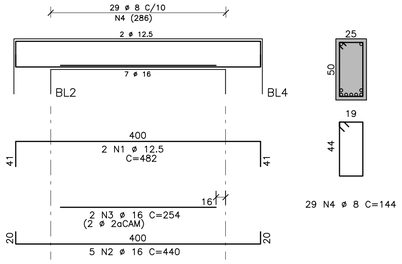
VB16 25/45



VB15=VB23=VB24 20/40 (3X)



VB17 25/50



AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
VB10=VB11=VB25=VB27 20/50 (4X)				(X4)	
50A	1	10	8	286	2288
50A	2	12.5	12	256	3072
50A	3	6.3	32	130	4160
VB10A 20/40					
50A	1	10	2	379	758
50A	2	10	2	343	686
50A	3	6.3	12	110	1320
VB12=VB28 20/50 (2X)				(X2)	
50A	1	10	4	289	1156
50A	2	12.5	6	258	1548
50A	3	6.3	16	130	2080
VB13 20/40					
50A	1	12.5	2	459	918
50A	2	12.5	2	236	472
50A	3	10	2	255	510
50A	4	10	2	253	506
50A	5	16	2	427	854
50A	6	16	1	216	216
50A	7	6.3	7	110	770
50A	8	8	20	114	2280
VB14 20/40					
50A	1	10	2	230	460
50A	2	12.5	2	391	782
50A	3	10	2	190	380
50A	4	12.5	2	334	668
50A	5	12.5	2	199	398
50A	6	10	2	376	752
50A	7	8	14	114	1596
50A	8	6.3	14	110	1540
VB15=VB23=VB24 20/40 (3X)				(X3)	
50A	1	10	6	226	1356
50A	2	12.5	6	412	2472
50A	3	12.5	6	226	1356
50A	4	10	6	241	1446
50A	5	12.5	6	413	2478
50A	6	10	6	225	1350
50A	7	12.5	12	334	4008
50A	8	12.5	12	197	2364
50A	9	10	6	304	1824
50A	10	10	6	305	1830
50A	11	8	84	114	9576
50A	12	6.3	72	110	7920
VB16 25/45					
50A	1	10	2	461	922
50A	2	16	3	429	1287
50A	3	16	2	245	490
50A	4	8	20	134	2680
VB17 25/50					
50A	1	12.5	2	482	964
50A	2	16	5	440	2200
50A	3	16	2	254	508
50A	4	8	29	144	4176
VB1=VB3=VB35=VB37 20/40 (4X)				(X4)	
50A	1	10	8	573	4584
50A	2	10	8	535	4280
50A	3	6.3	76	110	8360
VB2 20/40					
50A	1	10	2	575	1150
50A	2	10	2	539	1078
50A	3	6.3	20	110	2200
VB4=VB36=VB38 20/40 (3X)				(X3)	
50A	1	10	6	572	3432
50A	2	10	6	534	3204
50A	3	6.3	57	110	6270
VB5=VB29=VB32 20/40 (3X)				(X3)	
50A	1	10	6	285	1710
50A	2	10	6	249	1494
50A	3	6.3	27	110	2970
VB6 20/40					
50A	1	10	2	736	1472
50A	2	10	2	700	1400
50A	3	6.3	30	110	3300
VB7 20/40					
50A	1	10	2	1019	2038
50A	2	10	2	981	1962
50A	3	6.3	42	110	4620
VB8=VB30=VB33 20/40 (3X)				(X3)	
50A	1	10	6	736	4416
50A	2	10	6	700	4200
50A	3	6.3	90	110	9900
VB9=VB34 20/40 (2X)				(X2)	
50A	1	10	4	286	1144
50A	2	10	4	250	1000
50A	3	6.3	18	110	1980

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
50A	6.3	574	143
50A	8	203	81
50A	10	548	345
50A	12.5	215	215
50A	16	56	89
Peso Total	50A =		874 kg

FONTE / DADOS DE BASE

AUTORES DO PROJETO / COLABORADORES

CDHU – Gestão

ARQ. IRENE B. RIZZO — Coordenação — RRT
ARQ. MARCIO FREIRE PENTEADO — Gestão — RRT

Análise

ENG. LUIZ UENO — Análise — ART/RRT

HERJACKTECH TECNOLOGIA E ENGENHARIA LTDA. – Autoria

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ARQ. LEO TOMCHINSKY — Projetista — RRT
ARQ. HÉLEN GARCIA FERNANDES — Projetista — RRT
ENG. JOEVILSON DOS SANTOS ARAUJO — Engenheiro — ART

LEGENDA/TABELAS

Revisões (discriminação)	Nº	Data	Rubrica
-	-	-	-

Companhia de Desenvolvimento Habitacional e Urbano

CDHU

Rua Boa Vista,170. CEP. 01014-200. São Paulo. Tel.2505.2000. CGCMF 47.865.597/0001-9

PROJETO

UNIDADE HABITACIONAL PADRÃO

CÓDIGO

V | 0 | 4 | 2 | F-01

TÍTULO

FUNDAÇÃO

ÁREA | FOLHA: FUN | 06/09

ASSUNTO

ARMADURAS DA FUNDAÇÃO
VB1 À VB17, VB10A, VB23 À VB25, VB27 À VB30 E VB32 À VB38 – PARTE 1/4

ESCALA GRÁFICA: 0 0,50 1,0 1,5 (m) | ESCALA NOMINAL: 1:50 | DATA: DEZ/2013

ASSINATURAS

proprietário — cnpj
CIA DE DESENVOLVIMENTO HABITACIONAL E URBANO DO ESTADO DE SÃO PAULO — 47.865.597/0001-09

aprovação do projeto – responsável técnico
Cia. de Desenvolvimento Habitacional e Urbano do Est. de São Paulo — c.r.e.a. 20314/D — pref. — a.r.t.

obra – responsável técnico — c.r.e.a. — pref. — a.r.t.

ESPAÇO PARA APROVAÇÃO

LISTA 1

CÓDIGO CDHU EMPREENDIMENTO

Programa	Região	Município	Terreno	Fase	Versão	Etapa do Projeto
0 0	0	0 0	0 0	0 0	0 0	P E

V042F_01_EST_06_09_R00.DWG