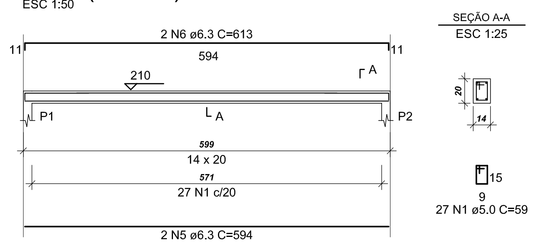
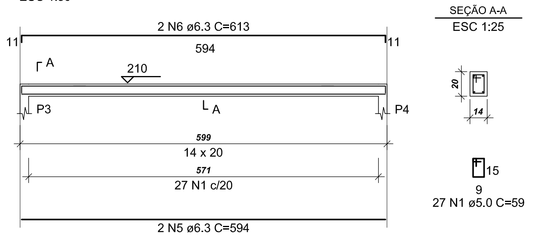
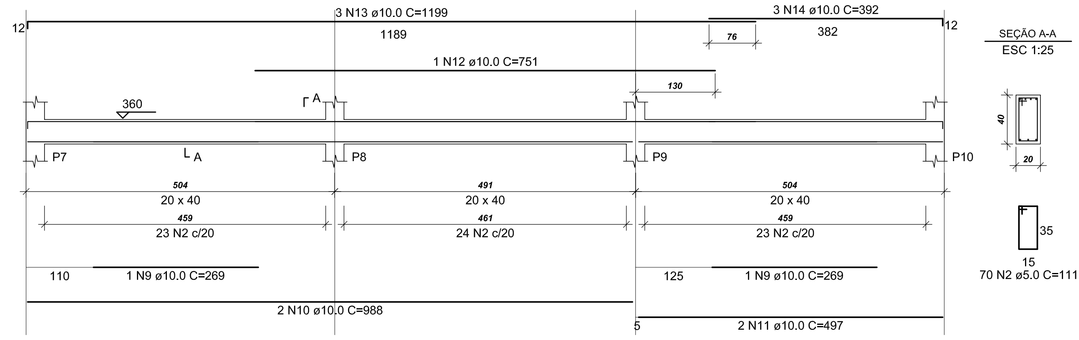
V201 (14 x 20)
ESC 1:50



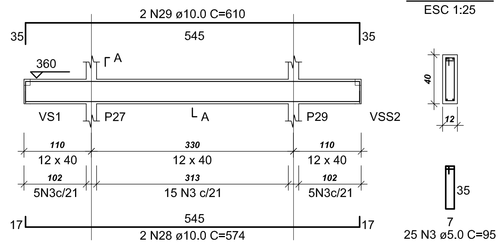
V202 (14 x 20)
ESC 1:50



V203 (20 x 40)
ESC 1:50



V207 (12 x 40)
ESC 1:50



RELAÇÃO DO AÇO

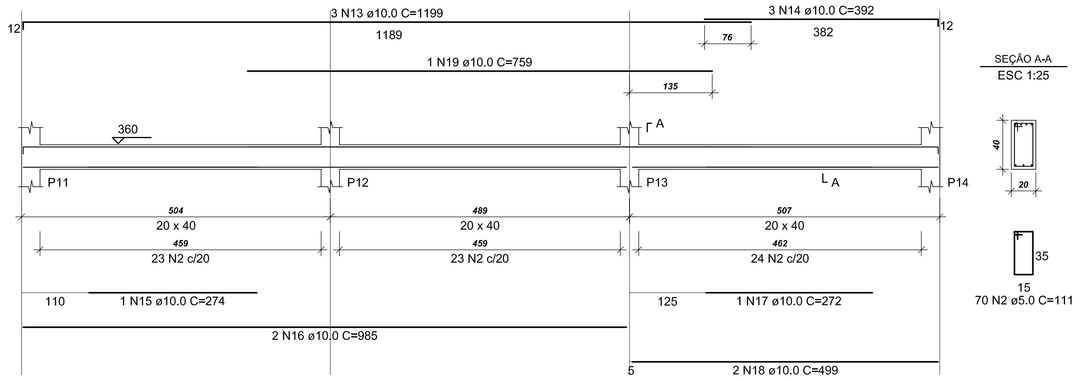
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	142	59	8378
	2	5.0	380	111	42180
	3	5.0	326	95	30970
	4	5.0	50	105	5250
50	5	6.3	4	594	2376
	6	6.3	4	613	2452
	7	6.3	4	953	3812
	8	6.3	4	963	3852
	9	10.0	4	269	1076
	10	10.0	4	988	3952
	11	10.0	4	497	1988
	12	10.0	2	751	1502
	13	10.0	12	1199	14388
	14	10.0	12	392	4704
	15	10.0	2	274	548
	16	10.0	4	985	3940
	17	10.0	2	272	544
	18	10.0	4	499	1996
	19	10.0	1	759	759
	20	10.0	4	993	3972
	21	10.0	4	502	2008
	22	10.0	1	761	761
	23	10.0	8	1198	9584
	24	10.0	4	380	1520
	25	10.0	4	990	3960
	26	10.0	4	504	2016
	27	10.0	2	185	370
	28	10.0	2	574	1148
	29	10.0	4	610	2440
	30	10.0	2	574	1148
	31	10.0	4	610	2440
	32	10.0	2	588	1176
	33	10.0	2	588	1176
	34	10.0	4	402	1608
	35	10.0	1	754	754
	36	10.0	4	302	1208
	37	10.0	4	325	1300
	38	10.0	4	304	1216
	39	10.0	4	327	1308
	40	10.0	4	300	1200
	41	10.0	4	323	1292
	42	10.0	4	305	1220
	43	10.0	4	328	1312

RESUMO DO AÇO

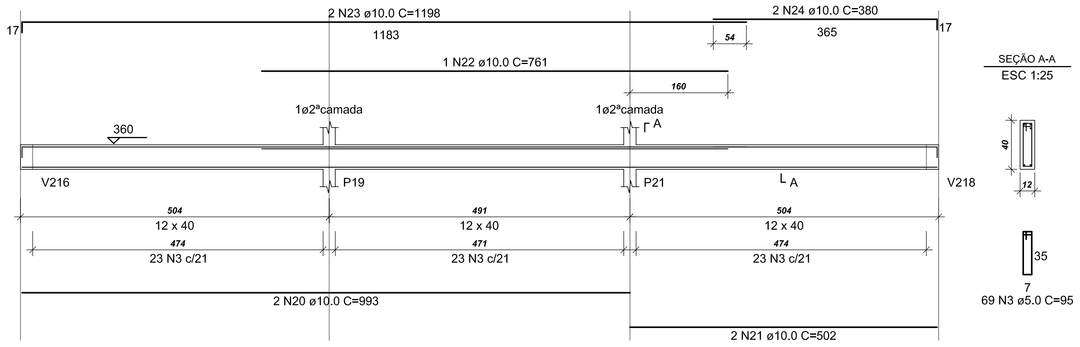
AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	6.3	124.9	30.6
	10.0	815.4	502.9
CA60	5.0	872.2	134.3
PESO TOTAL			
CA50	533.5		
CA60	134.3		

Vol. de concreto total (C-25) =11.56 m³
Área de forma total = 174.46 m²

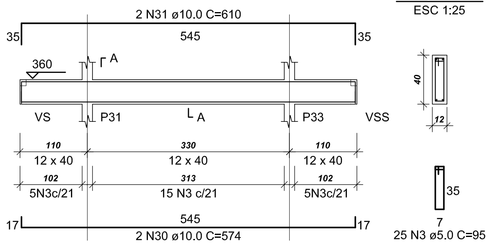
V204 (20 x 40)
ESC 1:50



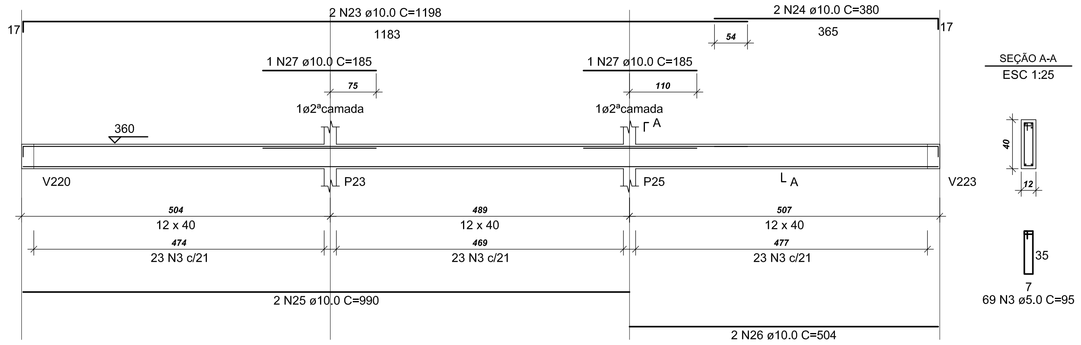
V205 (12 x 40)
ESC 1:50



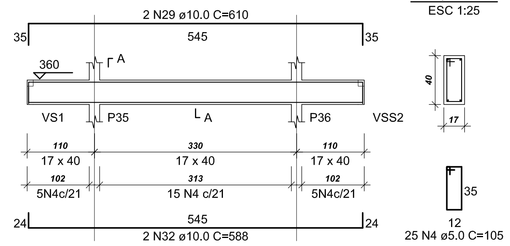
V208 (12 x 40)
ESC 1:50



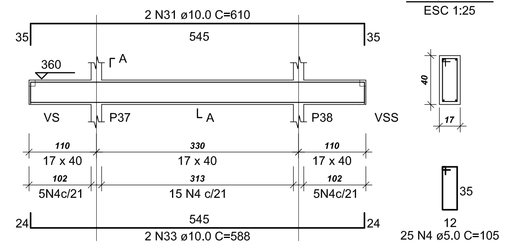
V206 (12 x 40)
ESC 1:50



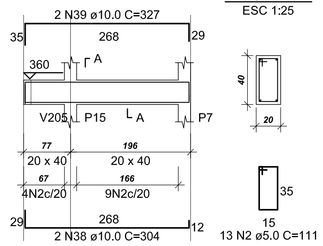
V209 (17 x 40)
ESC 1:50



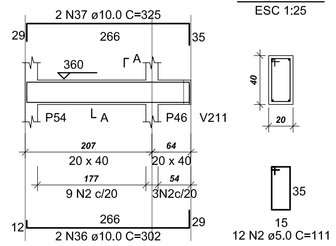
V210 (17 x 40)
ESC 1:50



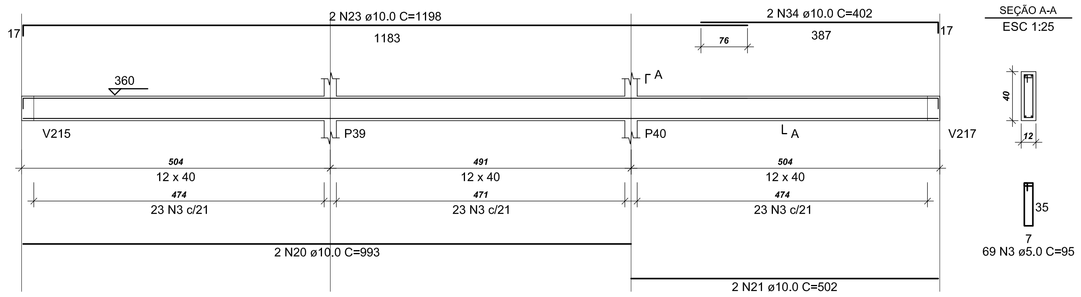
V216 (20 x 40)
ESC 1:50



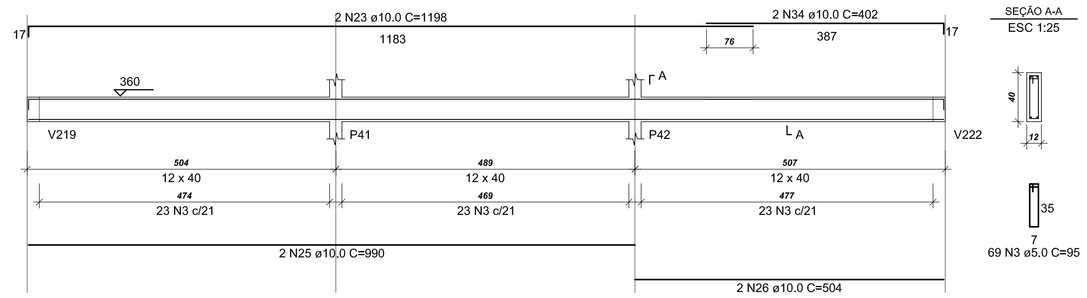
V217 (20 x 40)
ESC 1:50



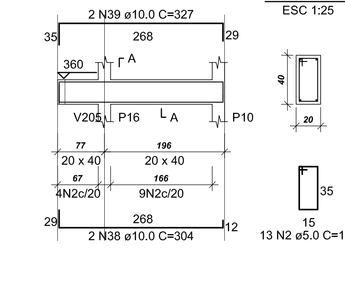
V211 (12 x 40)
ESC 1:50



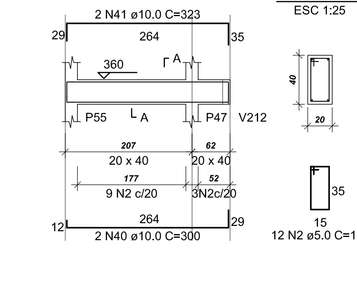
V212 (12 x 40)
ESC 1:50



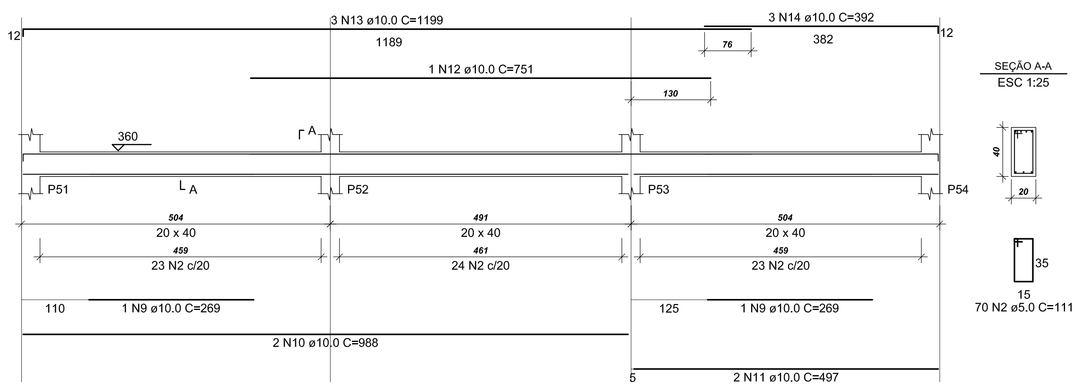
V218 (20 x 40)
ESC 1:50



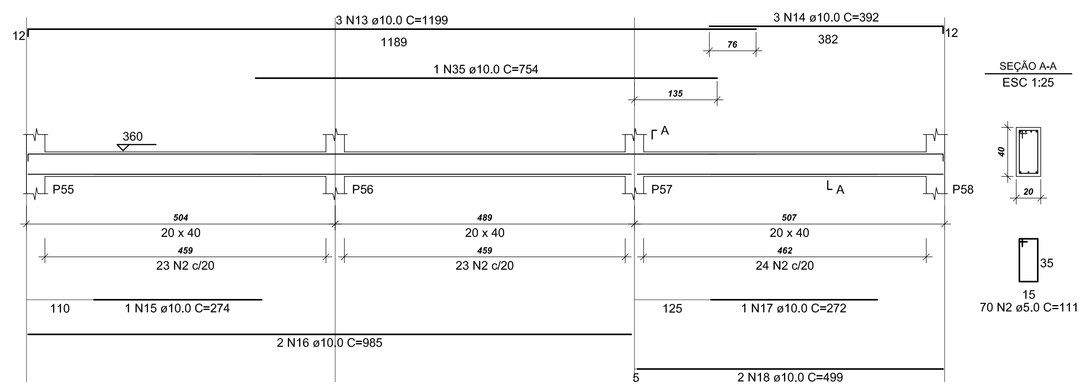
V219 (20 x 40)
ESC 1:50



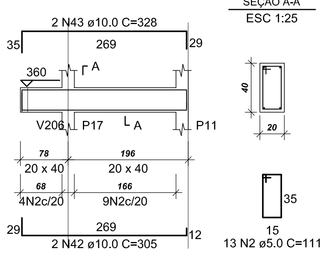
V213 (20 x 40)
ESC 1:50



V214 (20 x 40)
ESC 1:50

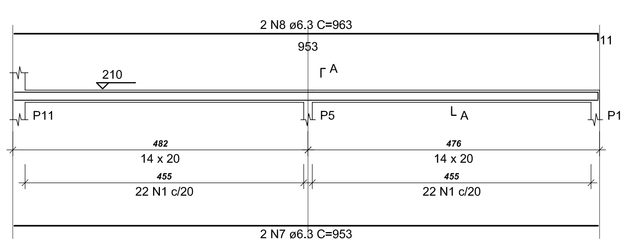


V220 (20 x 40)
ESC 1:50

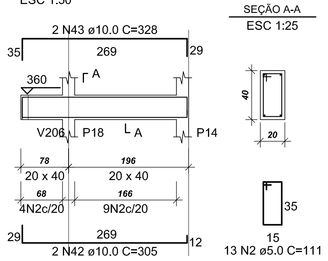


V201 V202 V203
V204 V205 V206
V207 V208 V209
V210 V211 V212
V213 V214 V215
V216 V217 V218
V219 V220 V221
V222 V223 V224

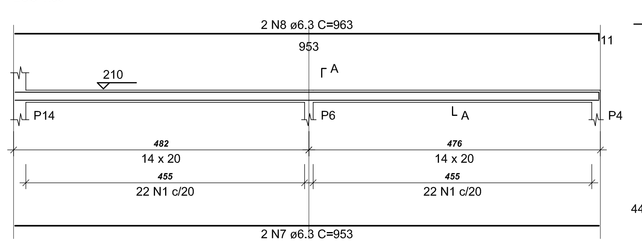
V221 (14 x 20)
ESC 1:50



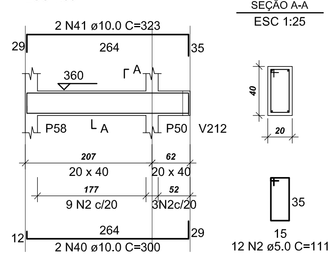
V223 (20 x 40)
ESC 1:50



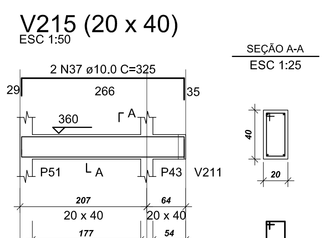
V224 (14 x 20)
ESC 1:50



V222 (20 x 40)
ESC 1:50



V215 (20 x 40)
ESC 1:50



01	02.07.2013	PROJETO ESTRUTURAL	
Nº	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO

AS BUILT ENGENHARIA DE PROJETOS LTDA
Rua Jovino do Rosário, 1564 - Boa Vista
CEP 82560-435 - Curitiba - Paraná
asbuiltprojetos@gmail.com - (41)3068-4949

FASE:
PROJETO ESTRUTURAL

CONFERIR MEDIDAS NA OBRA

OBRA:
AMPLIAÇÃO PRÉDIO SALAS DE AULA
CAMPUS TEÓFILO OTONI

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI
CNPJ: 16.888.315/0001-57

UFVJM

PRANCHA:
FERRAGEM DAS VIGAS:
SEGUNDO PAVIMENTO

AUTOR PROJETO:
CARLOS HENRIQUE DE SOUZA GONÇALVES
CREA: 79620/D - Pr

ESCALA: INDICADA			DESENHO: EQUIPE
VERSÃO: VERSAO 1	DATA: 02/07/2013		FOLHA: EST 07/09

ARQUIVO: