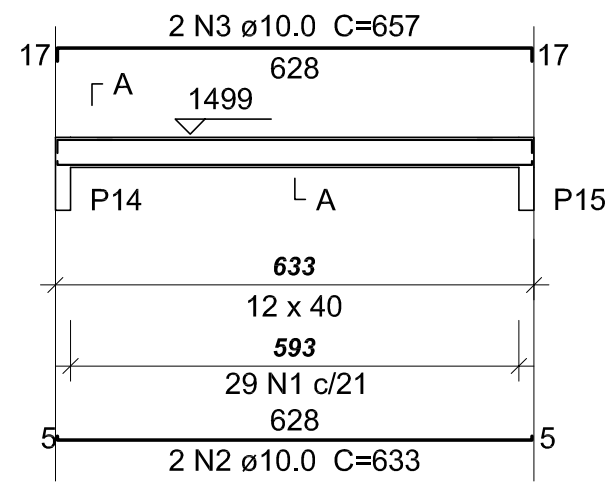


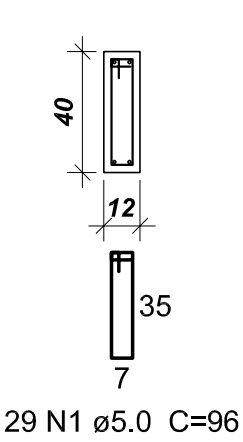
V501 (12 x 40)

ESC 1:100



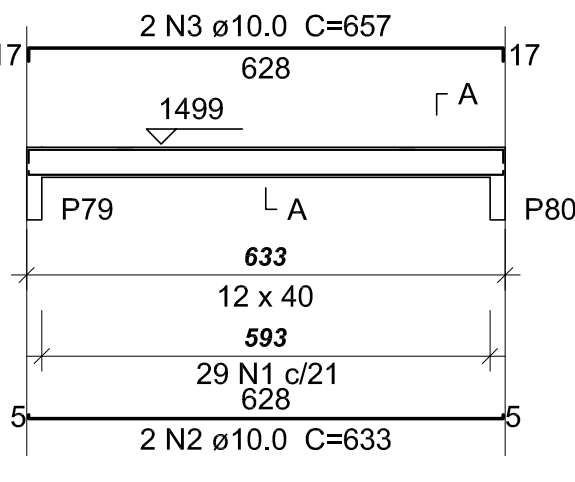
SEÇÃO A-A

ESC 1:25



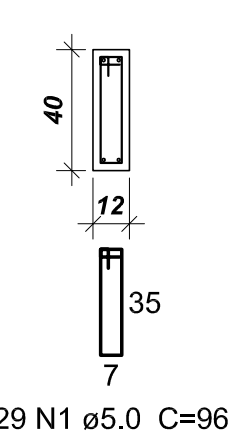
V502 (12 x 40)

ESC 1:100



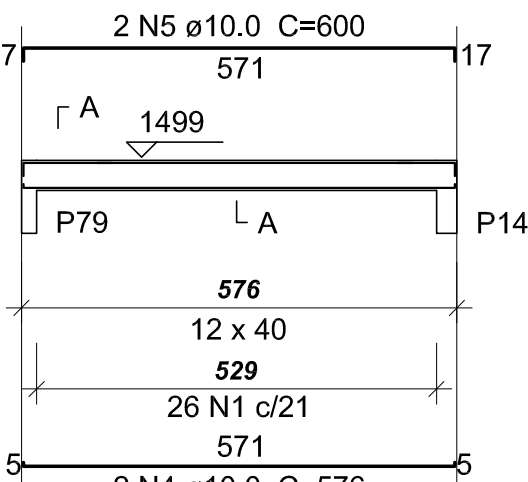
SEÇÃO A-A

ESC 1:25



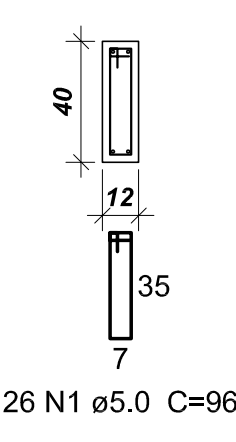
V503 (12 x 40)

ESC 1:100



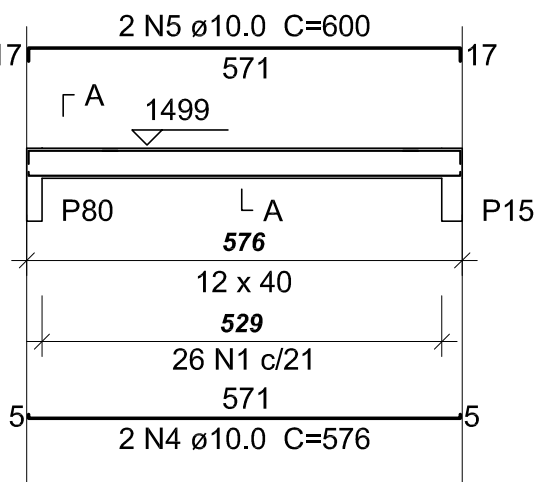
SEÇÃO A-A

ESC 1:25



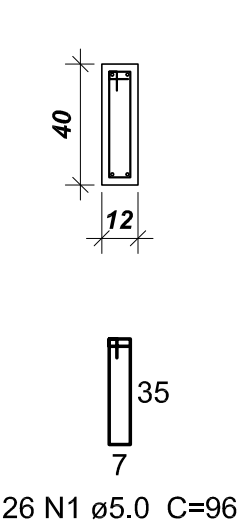
V504 (12 x 40)

ESC 1:100



SEÇÃO A-A

ESC 1:25



Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
V501	1	5.0	220	96	21120
V504	2	10.0	8	633	5064
V507	3	10.0	4	657	2628
	4	10.0	8	576	4608
	5	10.0	4	600	2400
	6	10.0	4	677	2708
	7	10.0	4	581	2324

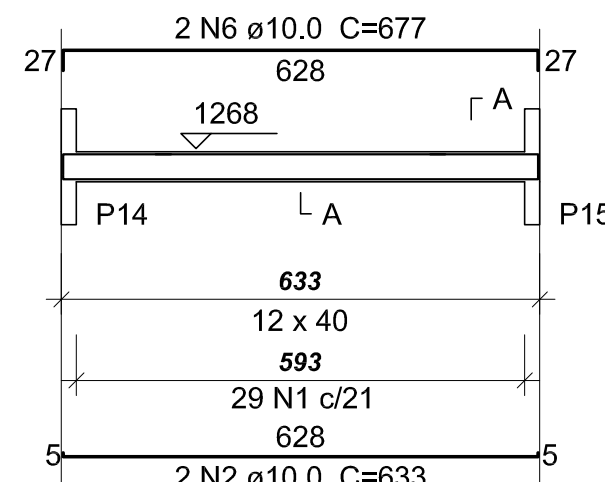
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	197.4	121.7
CA60	5.0	211.2	32.6
PESO TOTAL			
CA50	121.7		
CA60	32.6		

Vol. de concreto total (C-25) = 2.32 m³
Área de forma total = 44.49 m²

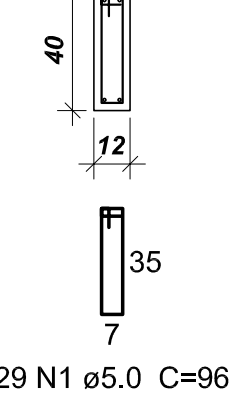
V505 (12 x 40)

ESC 1:100



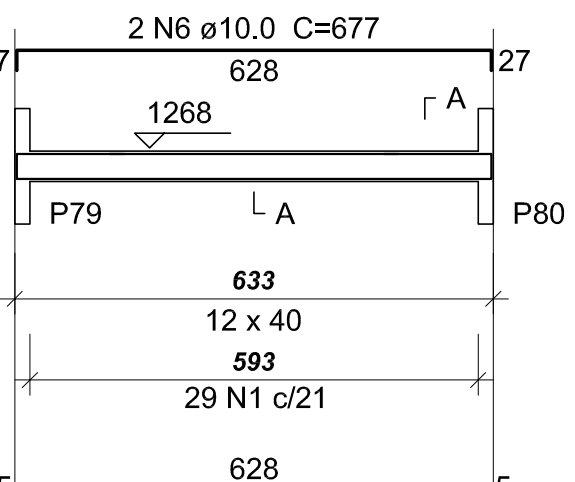
SEÇÃO A-A

ESC 1:25



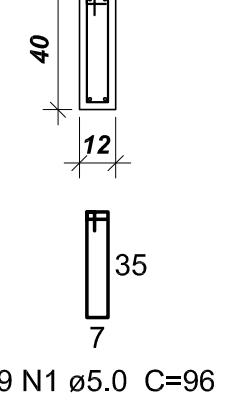
V506 (12 x 40)

ESC 1:100



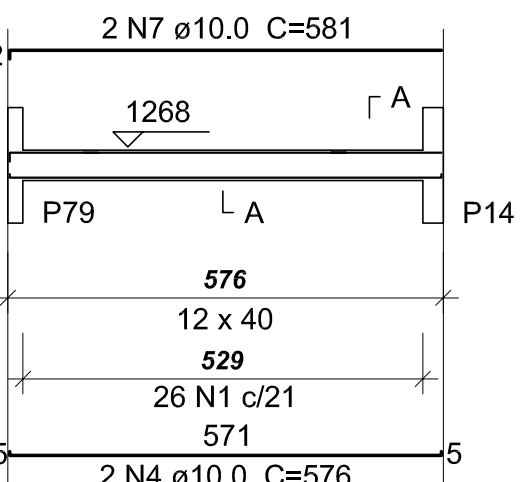
SEÇÃO A-A

ESC 1:25



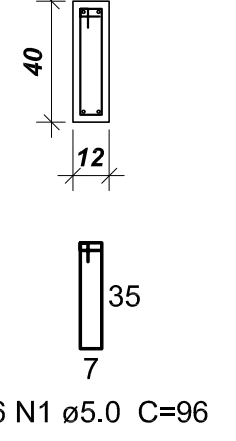
V507 (12 x 40)

ESC 1:100



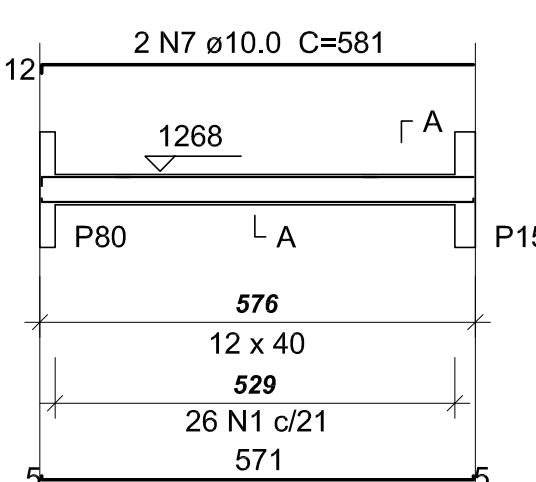
SEÇÃO A-A

ESC 1:25



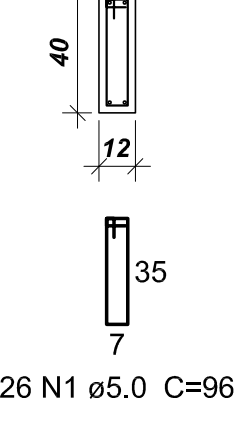
V508 (12 x 40)

ESC 1:100



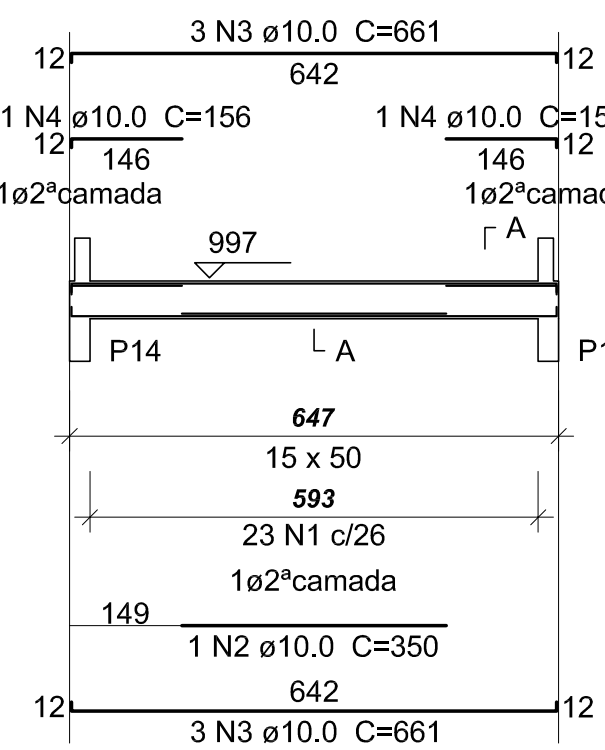
SEÇÃO A-A

ESC 1:25



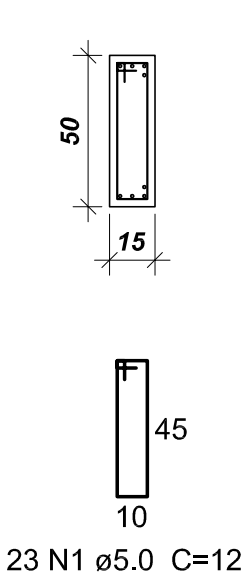
V401 (15 x 50)

ESC 1:100



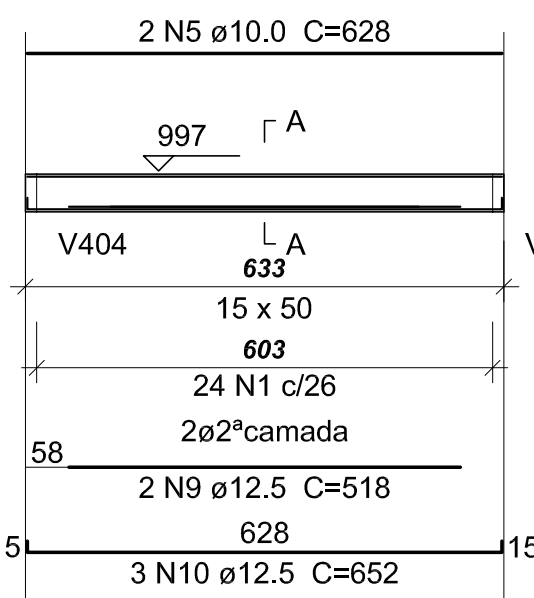
SEÇÃO A-A

ESC 1:25



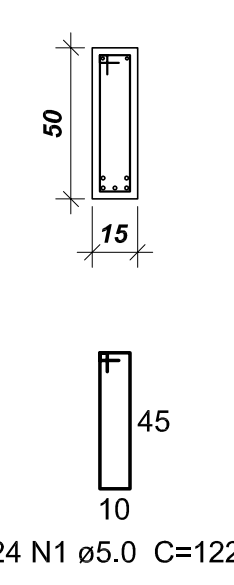
V402 (15 x 50)

ESC 1:100



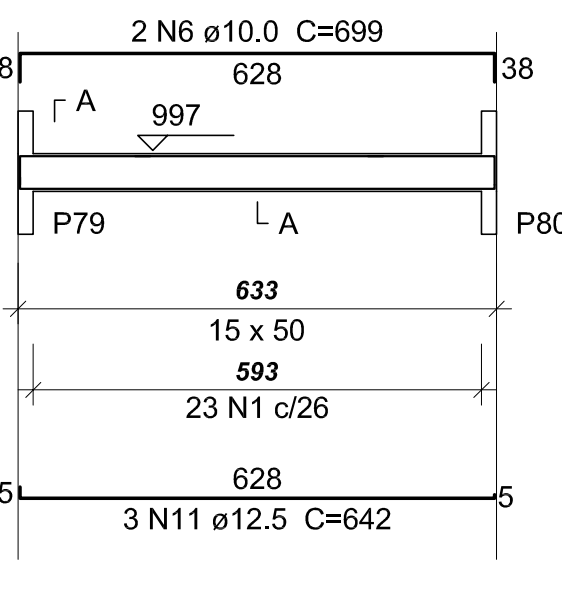
SEÇÃO A-A

ESC 1:25



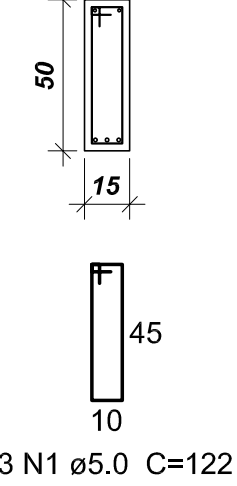
V403 (15 x 50)

ESC 1:100



SEÇÃO A-A

ESC 1:25



Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
V401	1	5.0	112	122	13664
V404	2	10.0	1	350	350
	3	10.0	6	661	3966
	4	10.0	2	156	312
	5	10.0	2	628	1256
	6	10.0	2	699	1398
	7	10.0	4	576	2304
	8	10.0	4	605	2420
	9	12.5	2	518	1036
	10	12.5	3	652	1956
	11	12.5	3	642	1926

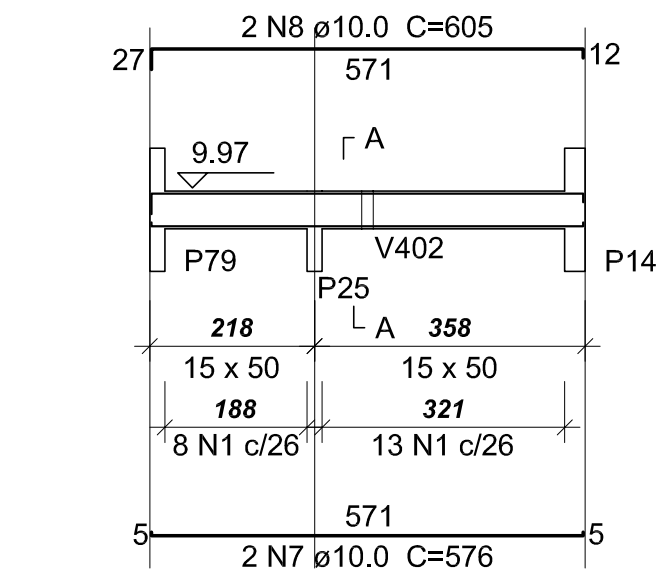
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	120.1	74
CA60	12.5	49.2	47.4
CA60	5.0	136.7	21.1
PESO TOTAL			
CA50	121.4		
CA60	21.1		

Vol. de concreto total (C-25) = 2.3 m³
Área de forma total = 35.25 m²

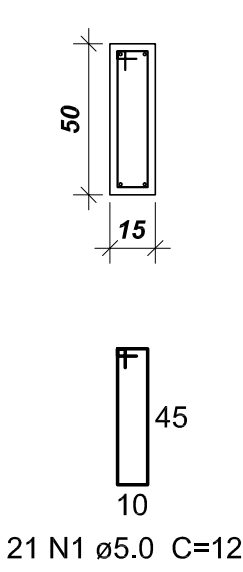
V404 (15 x 50)

ESC 1:100



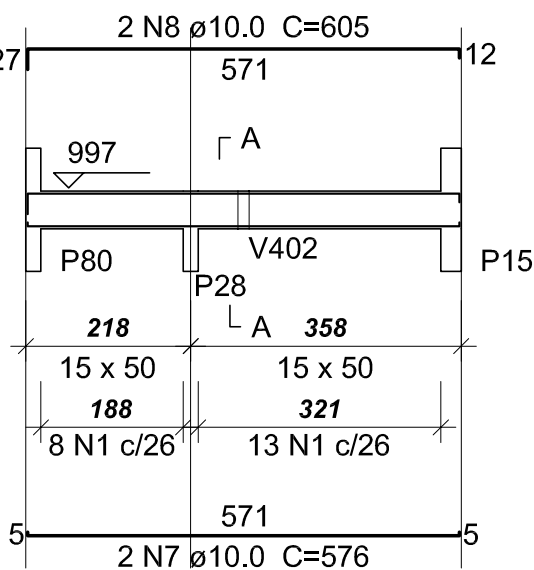
SEÇÃO A-A

ESC 1:25



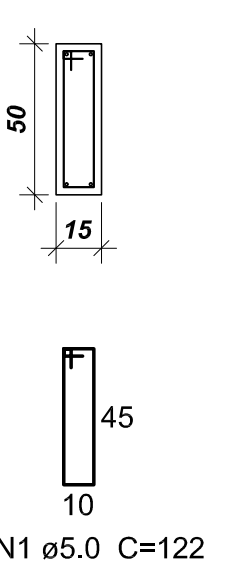
V405 (15 x 50)

ESC 1:100



SEÇÃO A-A

ESC 1:25



01	22.07.2013	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)3088-4949		
FASE:		
PROJETO ESTRUTURAL		
CONFERIR MEDIDAS NA OBRA		
OBRA:		
ADMINISTRAÇÃO		
CAMPUS UNAI		
PROPRIETÁRIO:	UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI	CNPJ 16.888.315/0001-57
PRANCHA: FERRAGENS DAS VIGAS: NÍVEL RESERVATÓRIOS NÍVEL COBERTURA 2		
AUTOR PROJETO:		
CARLOS HENRIQUE DE SOUZA GONÇALVES		
CREA 7982/D - Pr		
ESCALA: INDICADA		DESENHO: EQUIPE
VERSÃO:	DATA:	ÁREA CONSTRUIDA:
VERSAO I	22/07/2013	3056,63m²
ARQUIVO:		EST 22/22