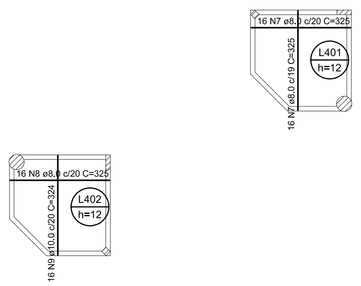
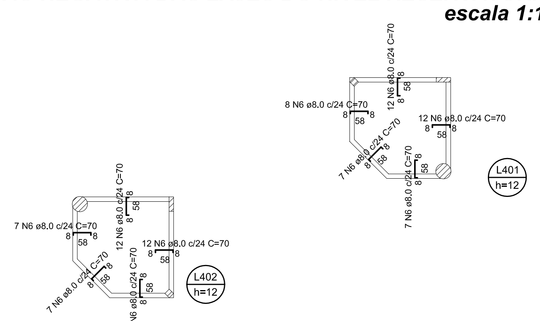
ARMAÇÃO POSITIVA DAS LAJES DO NÍVEL RESERVATÓRIOS
escala 1:100



ARMAÇÃO NEGATIVA DAS LAJES DO NÍVEL RESERVATÓRIOS
escala 1:100



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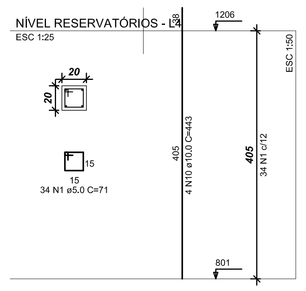

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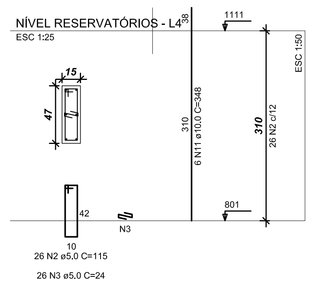

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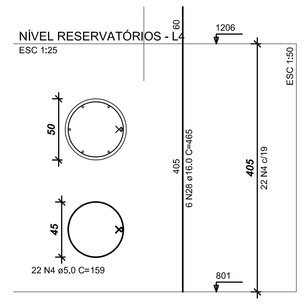


RELAÇÃO DO AÇO
PILARES, VIGAS E LAJES
DO NÍVEL RESERVATÓRIOS

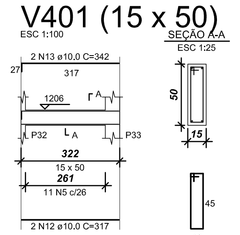
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5,0	68	71	4828
	2	5,0	104	115	11960
	3	5,0	104	24	2496
	4	5,0	44	159	6996
	5	5,0	100	121	12100
50	6	8,0	92	70	6440
	7	8,0	32	325	10400
	8	8,0	16	325	5200
	9	10,0	16	324	5184
	10	10,0	8	443	3544
	11	10,0	24	348	8352
	12	10,0	4	317	1268
	13	10,0	4	342	1368
	14	10,0	4	326	1304
	15	10,0	4	351	1404
	16	10,0	2	318	636
	17	10,0	2	343	686
	18	10,0	2	326	652
	19	10,0	2	351	702
	20	10,0	2	318	636
	21	10,0	2	343	686
	22	10,0	2	326	652
	23	10,0	2	351	702
	24	10,0	2	181	362
	25	10,0	2	230	460
	26	10,0	2	181	362
	27	10,0	2	230	460
	28	16,0	12	465	5580

RESUMO DO AÇO

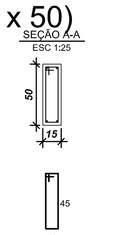
AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	8,0	220,7	87,2
	10,0	294,2	181,4
	16,0	55,8	88,2
CA60	5,0	384,7	59,2
PESO TOTAL			
CA50			356,8
CA60			59,2

Vol. de concreto total (C-25) =7,05 m³
Área de forma total = 85,73 m²

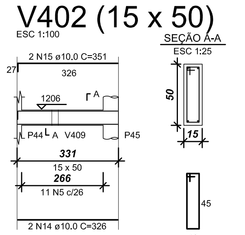
V401 (15 x 50)
ESC 1:100



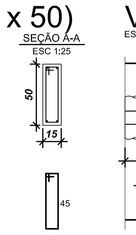
SEÇÃO A-A
ESC 1:25



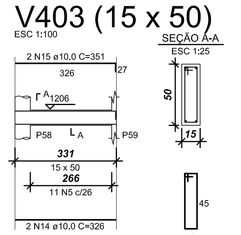
V402 (15 x 50)
ESC 1:100



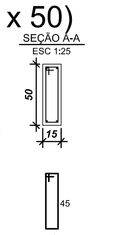
SEÇÃO A-A
ESC 1:25



V403 (15 x 50)
ESC 1:100

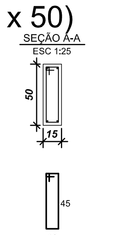


SEÇÃO A-A
ESC 1:25



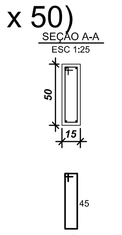
V404 (15 x 50)
ESC 1:100

SEÇÃO A-A
ESC 1:25

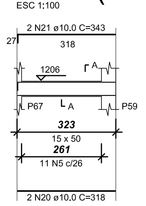


V405 (15 x 50)
ESC 1:100

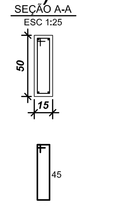
SEÇÃO A-A
ESC 1:25



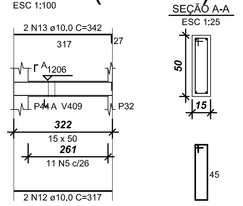
V406 (15 x 50)
ESC 1:100



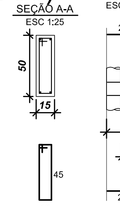
SEÇÃO A-A
ESC 1:25



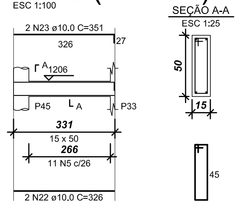
V407 (15 x 50)
ESC 1:100



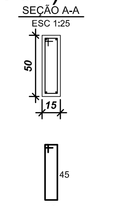
SEÇÃO A-A
ESC 1:25



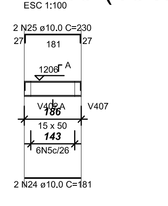
V408 (15 x 50)
ESC 1:100



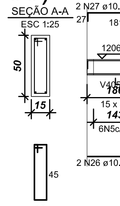
SEÇÃO A-A
ESC 1:25



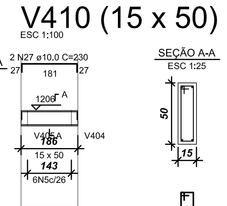
V409 (15 x 50)
ESC 1:100



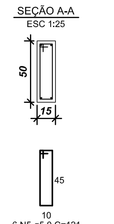
SEÇÃO A-A
ESC 1:25



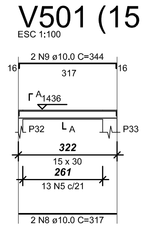
V410 (15 x 50)
ESC 1:100



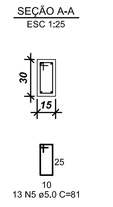
SEÇÃO A-A
ESC 1:25



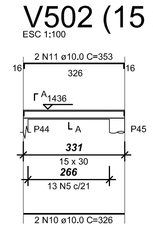
V501 (15 x 30)
ESC 1:100



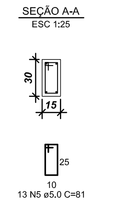
SEÇÃO A-A
ESC 1:25



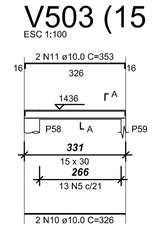
V502 (15 x 30)
ESC 1:100



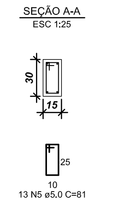
SEÇÃO A-A
ESC 1:25



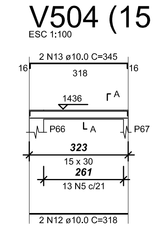
V503 (15 x 30)
ESC 1:100



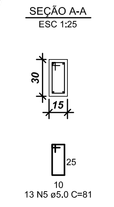
SEÇÃO A-A
ESC 1:25



V504 (15 x 30)
ESC 1:100



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO
PILARES E VIGAS DA COBERTURA 2

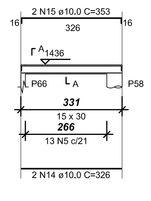
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5,0	40	71	2840
	2	5,0	112	115	12880
	3	5,0	112	24	2688
	4	5,0	26	159	4134
	5	5,0	104	81	8424
50	6	10,0	8	227	1816
	7	10,0	24	322	7728
	8	10,0	4	317	1268
	9	10,0	4	344	1376
	10	10,0	4	326	1304
	11	10,0	4	353	1412
	12	10,0	2	318	636
	13	10,0	2	345	690
	14	10,0	2	326	652
	15	10,0	2	353	706
	16	10,0	2	318	636
	17	10,0	2	345	690
	18	10,0	2	326	652
	19	10,0	2	353	706
	20	16,0	12	227	2724

RESUMO DO AÇO

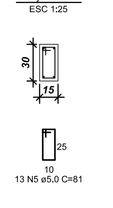
AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	10,0	202,8	125,1
	16,0	27,2	43,0
CA60	5,0	310,5	47,8
PESO TOTAL			
CA50			168,1
CA60			47,8

Vol. de concreto total (C-25) =3,18 m³
Área de forma total = 46,63 m²

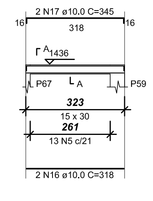
V505 (15 x 30)
ESC 1:100



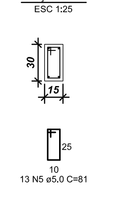
SEÇÃO A-A
ESC 1:25



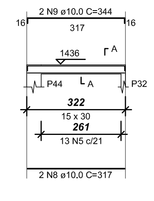
V506 (15 x 30)
ESC 1:100



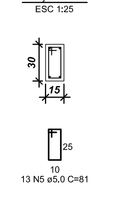
SEÇÃO A-A
ESC 1:25



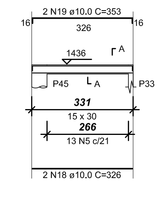
V507 (15 x 30)
ESC 1:100



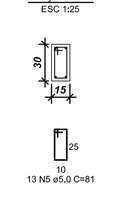
SEÇÃO A-A
ESC 1:25



V508 (15 x 30)
ESC 1:100



SEÇÃO A-A
ESC 1:25



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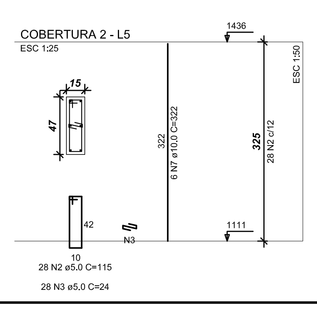

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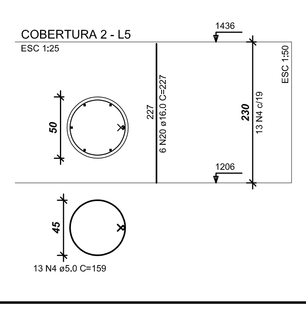

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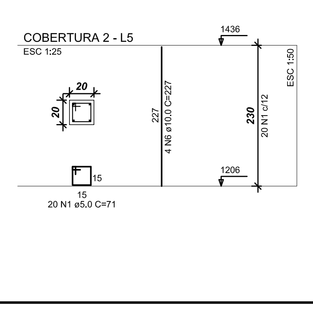

01	11.06.2013		PROJETO ESTRUTURAL	
Nº:	DATA:	RESPONSÁVEL:	DESCRIÇÃO DA REVISÃO:	

AS BUILT ENGENHARIA DE PROJETOS LTDA
Rua Jovino do Rosário, 1564 - Boa Vista
CEP 82560-435 - Curitiba - Paraná
asbuiltprojetos@gmail.com - (41)3085-4949

FASE:
PROJETO ESTRUTURAL

CONFERIR MEDIDAS NA OBRA

OBRA:
BIBLIOTECA
CAMPUS JANAÚBA

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI
CNPJ: 16.888.319/0001-57

PRANCHA: FERRAGEM DE VIGAS, PILARES E LAJES
NÍVEL RESERVATÓRIOS E COBERTURA 2

AUTOR PROJETO:
CARLOS HENRIQUE DE SOUZA GONÇALVES
CREA 79521D - Pr

ESCALA: INDICADA				DESENHO: EQUIPE
VERSÃO: VERSAO 1	DATA: 26/06/2013		ÁREA CONSTRUÍDA: 4.127,32 m²	FOLHA: EST 26/26
ARQUIVO:				