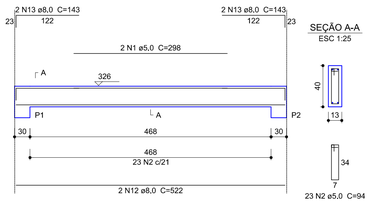
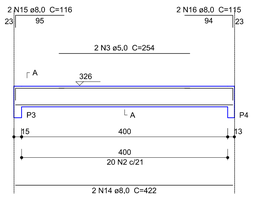
V1
ESC 1:50

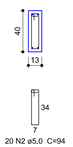


SEÇÃO A-A
ESC 1:25

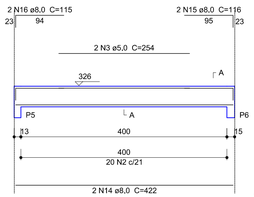
V2
ESC 1:50



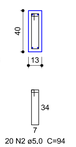
SEÇÃO A-A
ESC 1:25



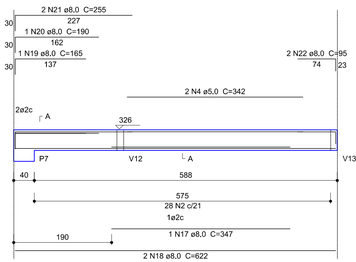
V3
ESC 1:50



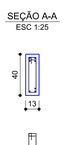
SEÇÃO A-A
ESC 1:25



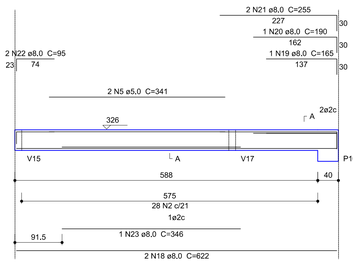
V4
ESC 1:50



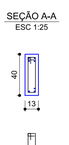
SEÇÃO A-A
ESC 1:25



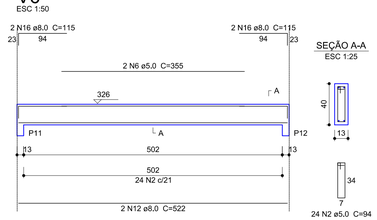
V5
ESC 1:50



SEÇÃO A-A
ESC 1:25

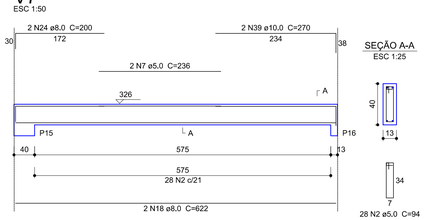


V6
ESC 1:50



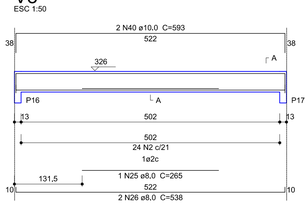
SEÇÃO A-A
ESC 1:25

V7
ESC 1:50



SEÇÃO A-A
ESC 1:25

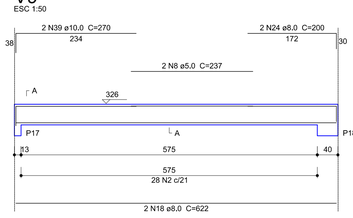
V8
ESC 1:50



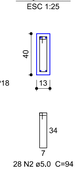
SEÇÃO A-A
ESC 1:25



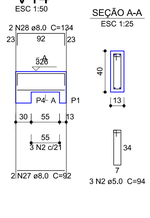
V9
ESC 1:50



SEÇÃO A-A
ESC 1:25

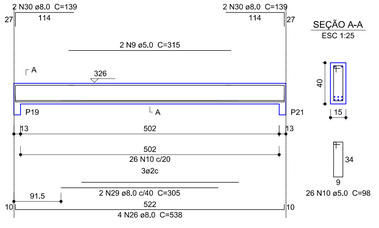


V14
ESC 1:50



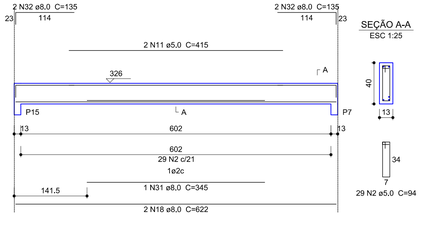
SEÇÃO A-A
ESC 1:25

V10
ESC 1:50



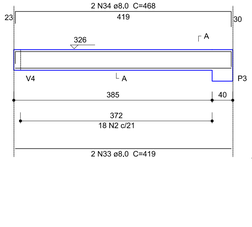
SEÇÃO A-A
ESC 1:25

V11
ESC 1:50



SEÇÃO A-A
ESC 1:25

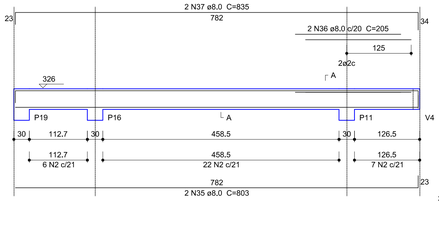
V12
ESC 1:50



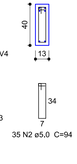
SEÇÃO A-A
ESC 1:25



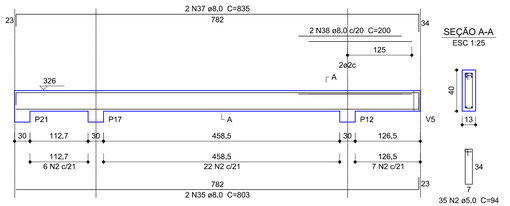
V13
ESC 1:50



SEÇÃO A-A
ESC 1:25

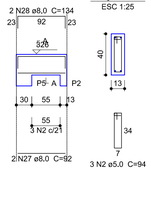


V15
ESC 1:50



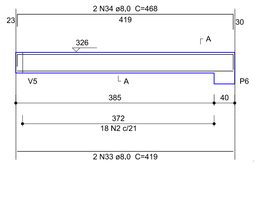
SEÇÃO A-A
ESC 1:25

V16
ESC 1:50

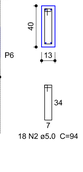


SEÇÃO A-A
ESC 1:25

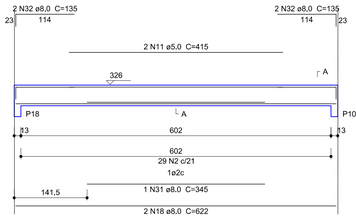
V17
ESC 1:50



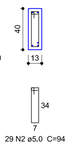
SEÇÃO A-A
ESC 1:25



V18
ESC 1:50



SEÇÃO A-A
ESC 1:25



Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8,0	350,5	152,1
	10,0	22,7	15,4
CA60	5,0	464,2	78,7
PESO TOTAL (kg)			
CA50	167,5		
CA60	78,7		

Volume de concreto (C-25) = 4,91 m³
Área de forma = 87,13 m²

Relação do aço

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	2	298	596
	2	5,0	393	94	36942
	3	5,0	4	254	1016
	4	5,0	2	342	684
	5	5,0	2	341	682
	6	5,0	2	355	710
	7	5,0	2	236	472
	8	5,0	2	237	474
	9	5,0	2	315	630
	10	5,0	26	98	2548
	11	5,0	4	415	1660
CA50	12	8,0	4	522	2088
	13	8,0	4	143	572
	14	8,0	4	422	1688
	15	8,0	4	116	464
	16	8,0	8	115	920
	17	8,0	1	347	347
	18	8,0	12	622	7464
	19	8,0	2	165	330
	20	8,0	2	190	380
	21	8,0	4	255	1020
	22	8,0	4	95	380
	23	8,0	1	346	346
	24	8,0	4	200	800
	25	8,0	1	265	265
	26	8,0	6	538	3228
	27	8,0	4	92	368
	28	8,0	4	134	536
	29	8,0	2	305	610
	30	8,0	4	139	556
	31	8,0	2	345	690
	32	8,0	8	135	1080
	33	8,0	4	419	1676
	34	8,0	4	468	1872
	35	8,0	4	803	3212
	36	8,0	2	205	410
	37	8,0	4	835	3340
	38	8,0	2	200	400
	39	10,0	4	270	1080
	40	10,0	2	593	1186

MUNÍCIPIO DE VALE DO SOL
PODER EXECUTIVO
RUA AUGUSTO EMMEL, Nº 96, CENTRO, CEP. 96878-000, FONE: 015 (51) 3750-1122

KATCZINSKIengenharia

Projeto FNDE - Ampliação de 2 salas EMEI Daltro Filho
ESTRADA VICINAL DE FAXINAL DE DENTRO, ÁREA RURAL, VALE DO SOL - RS.

Projeto: JOAO LUIZ DOS SANTOS
KATCZINSKI:00311836038
Assinado de forma digital por JOAO LUIZ DOS SANTOS:KATCZINSKI:00311836038
Dados: 2024.07.03 18:02:55 -03'00'
Eng.º Civil - João Luiz Katczinski
CREA - RS213510

Cliente: Prefeitura Municipal de Vale do Sol/RS (EMEF. Daltro Filho)
CNPJ: 94.577.574/0001-70

Projetista: KATCZINSKI
Data: JULHO / 2024
Prancha: **05/05**

Escala:
Indicada:
Conteúdo da Prancha: ESTR. CONCRETO VIGAS RESPALDO NÍVEL 310