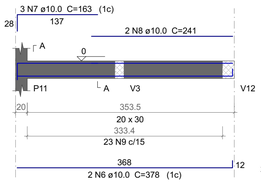
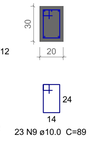
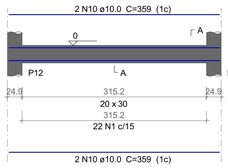
V1
ESC 1:50



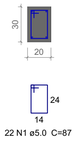
SEÇÃO A-A
ESC 1:25



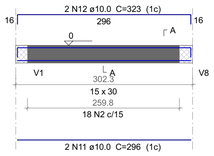
V2
ESC 1:50



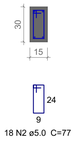
SEÇÃO A-A
ESC 1:25



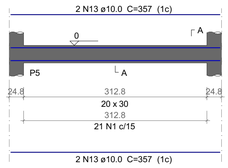
V3
ESC 1:50



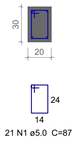
SEÇÃO A-A
ESC 1:25



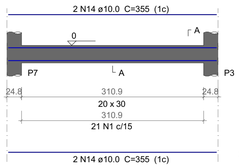
V4
ESC 1:50



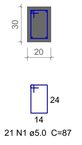
SEÇÃO A-A
ESC 1:25



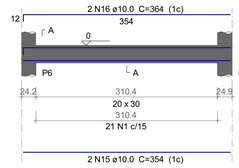
V5
ESC 1:50



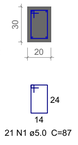
SEÇÃO A-A
ESC 1:25



V6
ESC 1:50



SEÇÃO A-A
ESC 1:25



V7
ESC 1:50



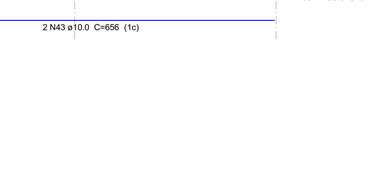
SEÇÃO A-A
ESC 1:25

V8
ESC 1:50



SEÇÃO A-A
ESC 1:25

V9
ESC 1:50

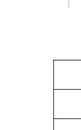


SEÇÃO A-A
ESC 1:25

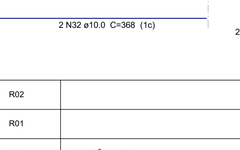
V10
ESC 1:50



SEÇÃO A-A
ESC 1:25

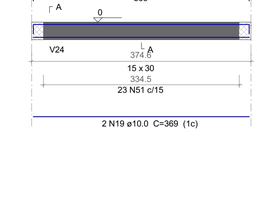


V11
ESC 1:50

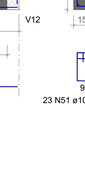


SEÇÃO A-A
ESC 1:25

V12
ESC 1:50



SEÇÃO A-A
ESC 1:25



V13
ESC 1:50

SEÇÃO A-A
ESC 1:25

V14
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

V19
ESC 1:50

SEÇÃO A-A
ESC 1:25

V20
ESC 1:50

SEÇÃO A-A
ESC 1:25

V21
ESC 1:50

SEÇÃO A-A
ESC 1:25

V22
ESC 1:50

SEÇÃO A-A
ESC 1:25

Relação do aço

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	587	87	51069
	2	5.0	112	77	8624
	3	5.0	2	254	508
CA50	6	10.0	4	378	1512
	7	10.0	3	163	489
	8	10.0	2	241	482
	9	10.0	23	89	2047
	10	10.0	4	359	1436
	11	10.0	2	296	592
	12	10.0	2	323	646
	13	10.0	8	357	2856
	14	10.0	4	355	1420
	15	10.0	2	354	708
	16	10.0	2	364	728
	17	10.0	2	1010	2020
	18	10.0	2	1020	2040
	19	10.0	4	369	1476
	20	10.0	2	408	816
	21	10.0	2	565	1130
	22	10.0	2	575	1150
	23	10.0	4	356	1424
	24	10.0	4	197	788
	25	10.0	4	353	1412
	26	10.0	2	132	264
	27	10.0	1	112	112
	28	10.0	4	372	1488
	29	10.0	2	393	786
	30	10.0	2	403	806
	31	10.0	4	198	792
	32	10.0	10	368	3680
	33	10.0	2	208	416
	34	10.0	2	218	436
	35	10.0	1	152	152
	36	10.0	1	159	159
	37	10.0	3	430	1290
	38	10.0	2	358	716
	39	10.0	2	276	552
	40	10.0	2	319	638
	41	10.0	4	1023	4092
	42	10.0	2	1021	2042
	43	10.0	2	656	1312
	44	10.0	1	160	160
	45	10.0	2	1200	2400
	46	10.0	2	559	1118
	47	10.0	4	343	1372
	48	10.0	2	76	152
	49	10.0	2	86	172
	50	10.0	2	396	792
	51	10.0	23	79	1817
	56	12.5	2	422	844

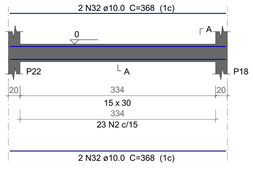
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	528.9	358.7
	12.5	8.5	8.9
CA60	5.0	602.1	102.1

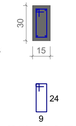
PESO TOTAL (kg)	
CA50	367.6
CA60	102.1

Volume de concreto (C-30) = 6.16 m³
Área de forma = 85.06 m²

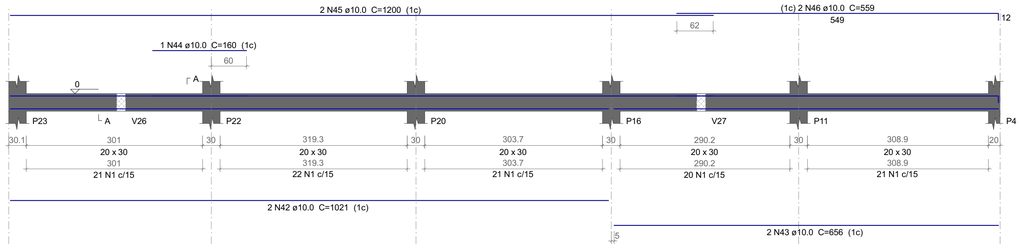
V23
ESC 1:50



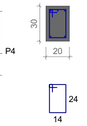
SEÇÃO A-A
ESC 1:25



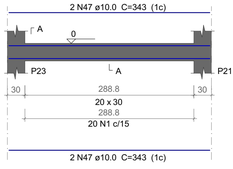
V24
ESC 1:50



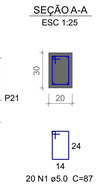
SEÇÃO A-A
ESC 1:25



V25
ESC 1:50



SEÇÃO A-A
ESC 1:25



V26
ESC 1:50

SEÇÃO A-A
ESC 1:25

V27
ESC 1:50

SEÇÃO A-A
ESC 1:25

R02		
R01		
R00	EMISSÃO INICIAL	26/03/2026

RENAN LENZ
ENGENHEIRO CIVIL

RENAN LENZ ENGENHEIRO CIVIL
Vila Santa Catarina, Salvador das Missões-RS
(55) 99960-3817
@ENG.RENANLENZ

CLIENTE:
PREFEITURA DE UBIRETAMA

RESPONSÁVEL PELA OBRA:
RENAN EDUARDO LENZ

LOCALIZAÇÃO:
UBIRETAMA/RS

DESENHO:
EST-04-BAL-VIG

PROJETO:
Vigas do pavimento Baldrame

FASE :
Dimensionamento

CONTEÚDO:
Planta de Locação

RENAN EDUARDO LENZ:04260726005
Assinado de forma digital por RENAN EDUARDO LENZ:04260726005
Dados: 2026.05.15 10:48:01 -03'00'

ESCALA:	1ª EMISSÃO:	PAVIMENTO:	DESENHO	REVISÃO
INDICADA		Baldrame	2 / 6	0