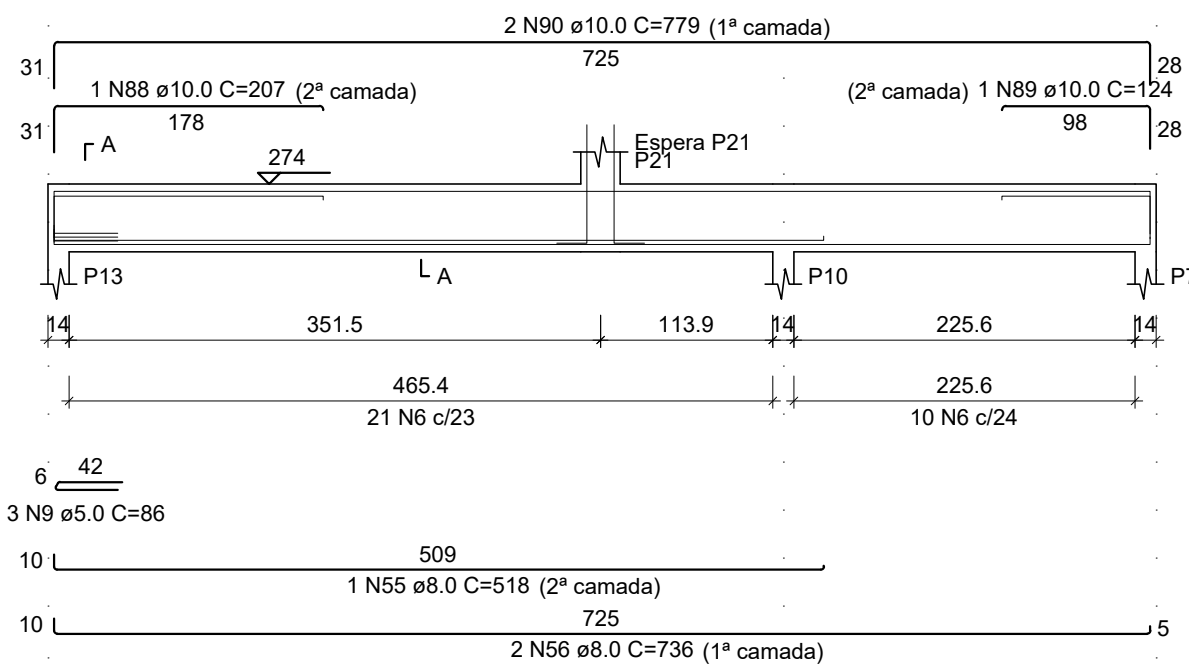


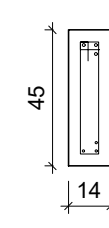
V116

ESC 1:50



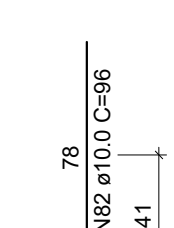
SEÇÃO A-A

ESC 1:25



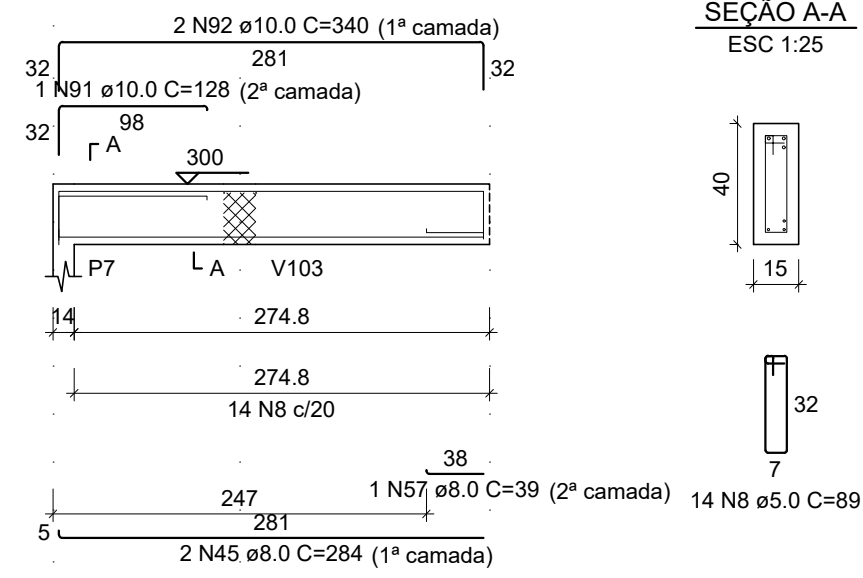
ESPERA P21

ESC 1:25



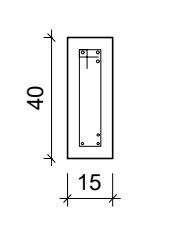
V117

ESC 1:50



SEÇÃO A-A

ESC 1:25



RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	26	77	2002
	2	5.0	60	135	8100
	3	5.0	1	143	143
	4	5.0	55	95	5225
	5	5.0	1	140	140
	6	5.0	106	97	10282
	7	5.0	8	59	472
	8	5.0	38	89	3382
	9	5.0	3	86	258
	10	5.0	154	49	7546
	11	5.0	7	35	245
	12	5.0	15	57	855
	13	6.3	12	735	8820
	14	6.3	4	68	272
	15	6.3	8	1074	8592
	16	6.3	12	728	8712
	17	6.3	6	734	4404
	18	6.3	6	366	2196
	19	8.0	23	90	2070
	20	8.0	72	196	14112
CA50	21	8.0	3	124	372
	22	8.0	1	213	213
	23	8.0	3	216	648
	24	8.0	3	219	657
	25	8.0	4	172	688
	26	8.0	6	178	1068
	27	8.0	2	193	386
	28	8.0	2	227	454
	29	8.0	2	218	436
	30	8.0	3	80	240
	31	8.0	82	198	16236
	32	8.0	1	71	71
	33	8.0	1	74	74
	34	8.0	2	382	764
	35	8.0	1	100	100
	36	8.0	1	157	157
	37	8.0	3	431	1293
	38	8.0	17	92	1564
	39	8.0	2	732	1464
	40	8.0	2	222	444
	41	8.0	1	277	277
	42	8.0	2	776	1552
	43	8.0	1	68	68
	44	8.0	1	162	162
	45	8.0	4	284	1136
	46	8.0	1	321	321
	47	8.0	2	330	660
	48	8.0	2	133	532
	49	8.0	2	167	334
	50	8.0	1	324	324
	51	8.0	2	852	1704
	52	8.0	2	132	264
	53	8.0	2	166	332
	54	8.0	1	63	63
	55	8.0	1	518	518
	56	8.0	2	736	1472
	57	8.0	1	39	39
	58	8.0	2	1082	2164
	59	8.0	2	1098	2196
	60	8.0	2	40	80
	61	8.0	2	49	98
	62	8.0	2	205	410
	63	8.0	2	221	442
	64	10.0	3	188	564
	65	10.0	3	193	579
	66	10.0	1	684	684
	67	10.0	1	704	704
	68	10.0	1	779	779
	69	10.0	3	786	2358
	70	10.0	3	435	1305
	71	10.0	1	709	709
	72	10.0	1	712	712
	73	10.0	2	1083	2166
	74	10.0	3	276	828
	75	10.0	3	336	1008
	76	10.0	3	441	1323
	77	10.0	2	1132	2264
	78	10.0	1	72	72
	79	10.0	2	150	300
	80	10.0	1	187	187
	81	10.0	2	197	394
	82	10.0	10	96	960
	83	10.0	1	196	196
	84	10.0	1	573	573
	85	10.0	2	895	1790
	86	10.0	1	138	138
	87	10.0	2	186	372
	88	10.0	1	207	207
	89	10.0	1	124	124
	90	10.0	2	779	1558
	91	10.0	1	128	128
	92	10.0	2	340	680
	93	12.5	1	532	532
	94	12.5	3	535	1605
	95	12.5	1	797	797
	96	12.5	3	804	2412
	97	16.0	1	736	736
	98	16.0	3	743	2229

RESUMO DO AÇO

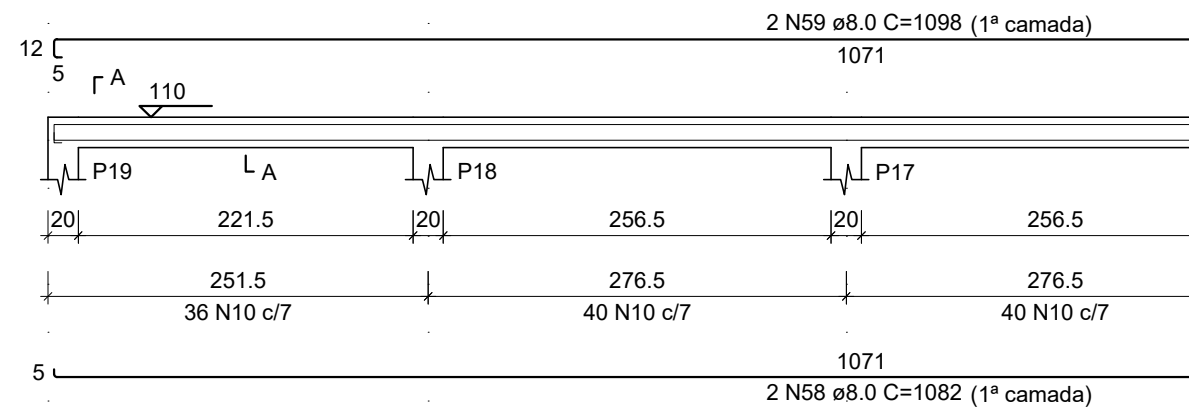
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	330	88.8
	8.0	586.6	254.6
	10.0	236.6	160.5
	12.5	53.5	56.7
	16.0	29.7	51.5
CA60	5.0	386.5	65.5
	PESO TOTAL (kg)		
CA50	612		
CA60	65.5		

Volume de concreto (C-30) = 6.37 m³

Área de forma = 72.54 m²

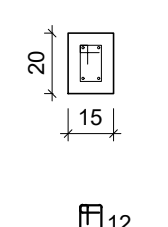
V118

ESC 1:50



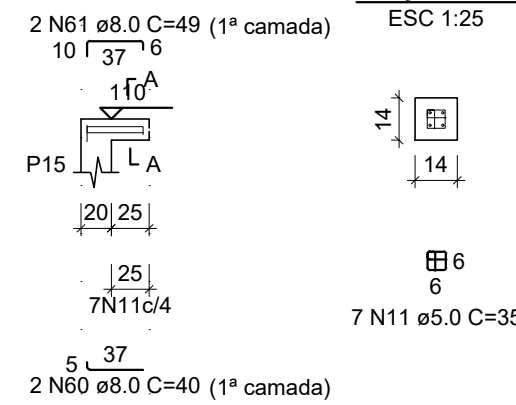
SEÇÃO A-A

ESC 1:25



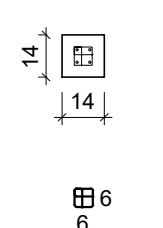
V119

ESC 1:50



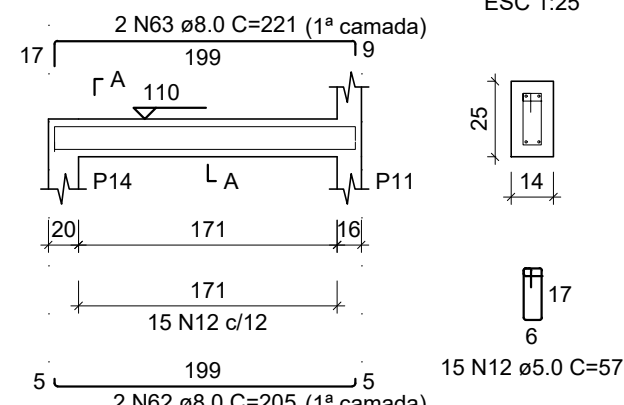
SEÇÃO A-A

ESC 1:25



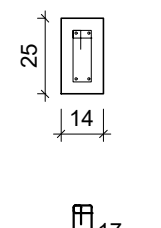
V120

ESC 1:50



SEÇÃO A-A

ESC 1:25



EQUIPE TÉCNICA DO DEPLAN:	
PREFEITURA MUNICIPAL DE IMBE	ASAFE BONISONI FAGUNDES - ENGENHEIRO CIVIL - CREA 216863
CARLA VOLPATTO - ARQUITETA E URBANISTA - CAU A226360-2	
FABIANA KENIA DE AVILA - ARQUITETA E URBANISTA - CAU A81708-0	
JESUN RICOTTO CARREGGIANI - ARQUITETO E URBANISTA - CAU A40310-4	
MARIA OLIVEIRA - ARQUITETA E URBANISTA - CAU 87121-5	
PEDRO NUNES SANT'ANNA - CREA SC119976-1	
RENATO TREVISAN DUARTE - ENGENHEIRO CIVIL - CREA 57182-0	



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AVENIDA PARAGUASSU, 1043 - CENTRO - CEP 95.625-000 - IMBE - RS
FONE: 51 3627.2655 - FAX: 51 3627.8200

OBRA:
EME VÓ ROSA
PROJETO ESTRUTURAL AMPLIAÇÃO
ENDEREÇO: RUA MACHADO DE ASSIS, 95 - BAIRRO NOVA LINDOESTE - IMBE/RS

ADMINISTRAÇÃO
2021/2024

SECRETARIA
MUNICIPAL
DE
FINANÇAS E
PLANEJAMENTO
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CREA RS- 216863
PORTARIA 296/2018

CARLA PORTAL VOLPATTO
ARQUITETA E URBANISTA
CAU A226360-2
PORTARIA 1.238/2022

PROJETO:
VIGAS TÉRREO
ESTRUTURA DA SALA DE AULA A AMPLIAR

DESENHO:
ABF

ESCALA:
1/50

DATA:
ABR/2024

AREA:
146,39m²

PRANCHA:
ES06.1