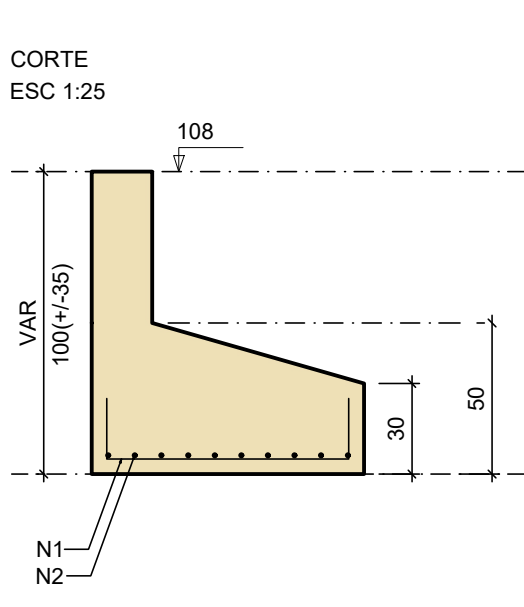
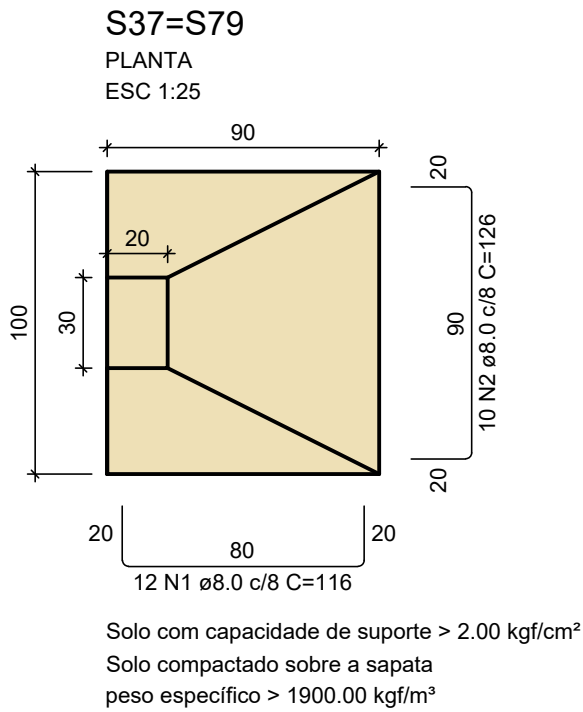
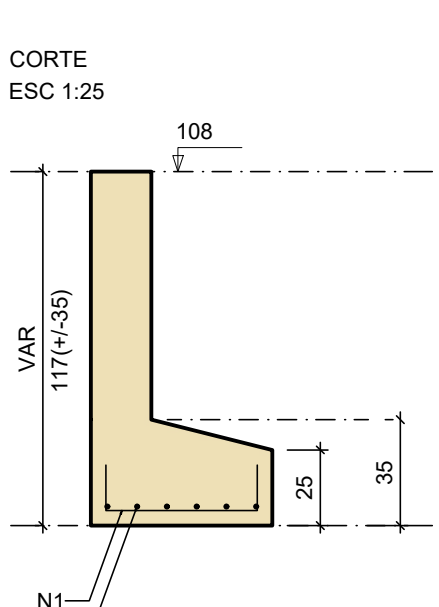
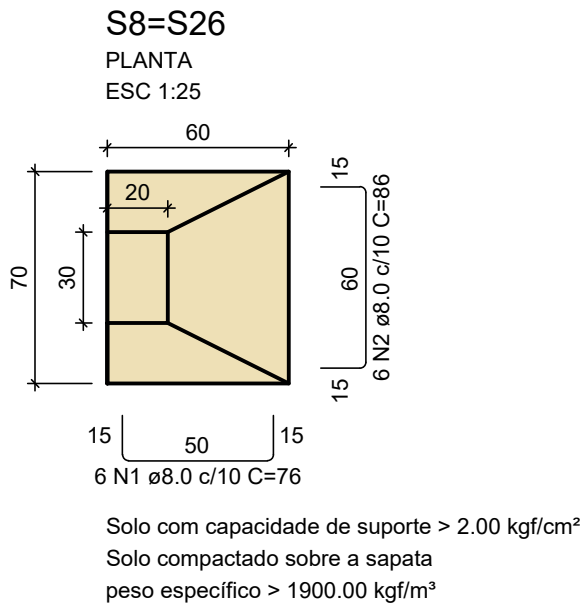
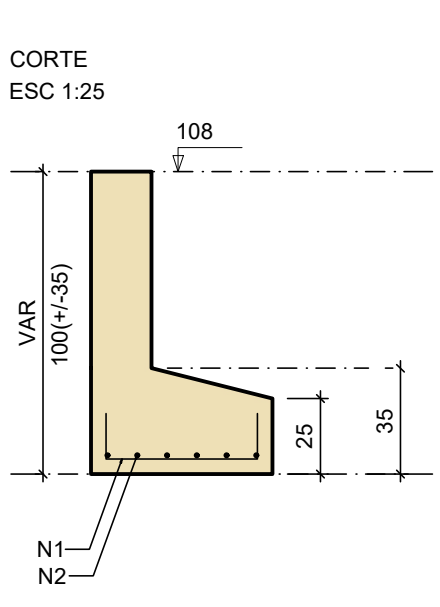
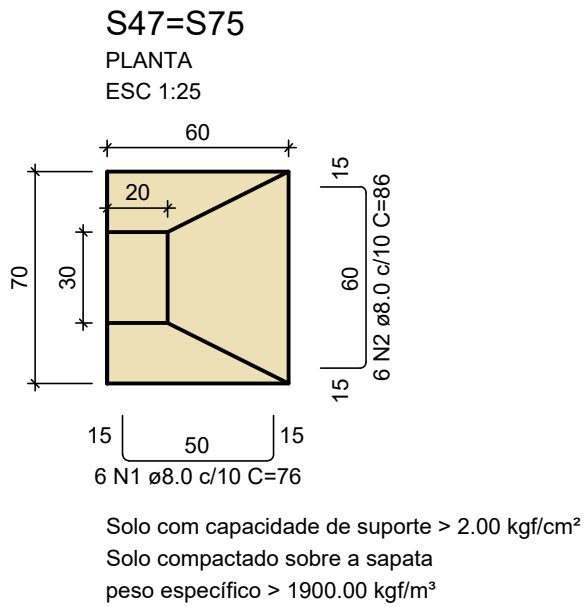
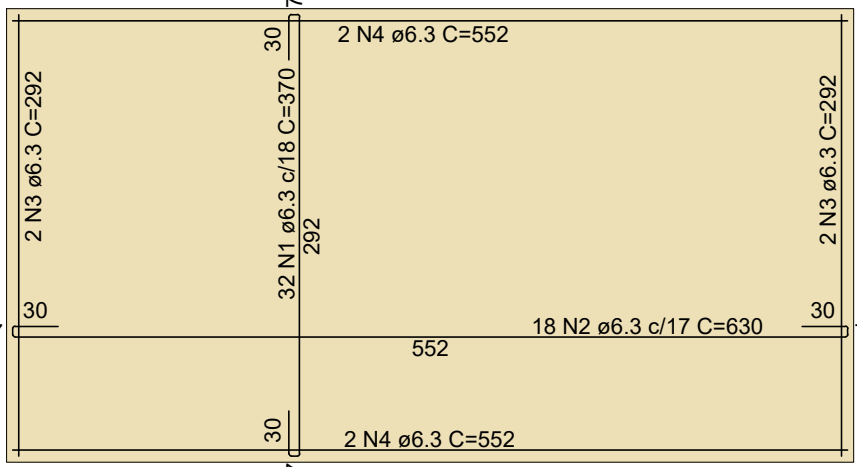
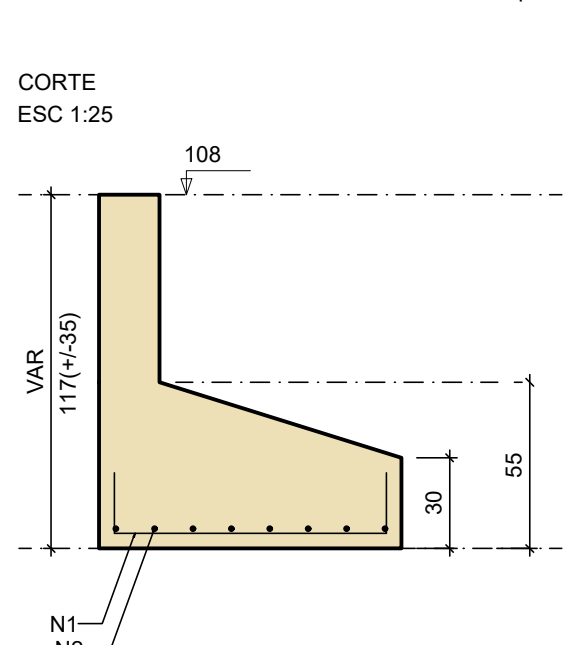
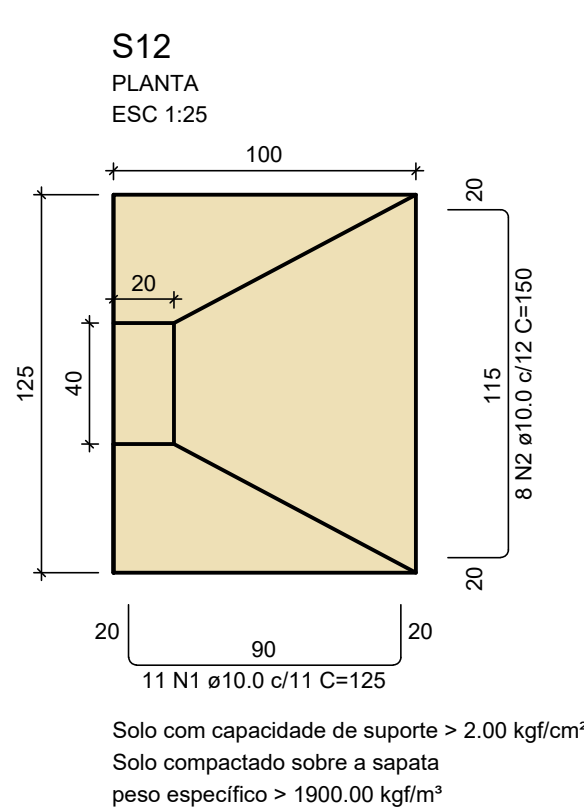
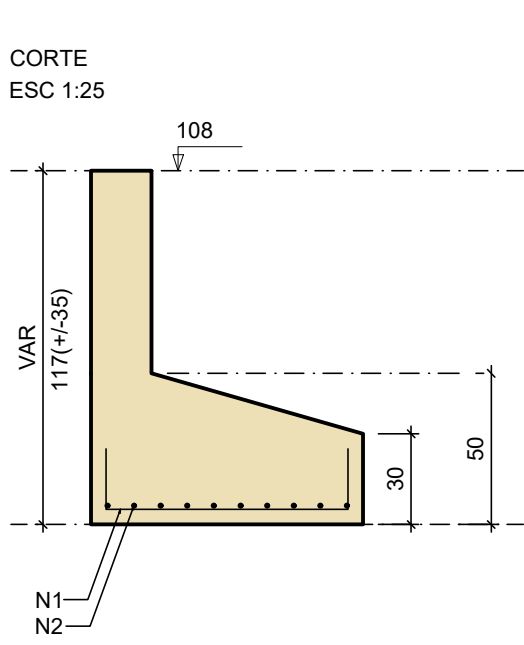
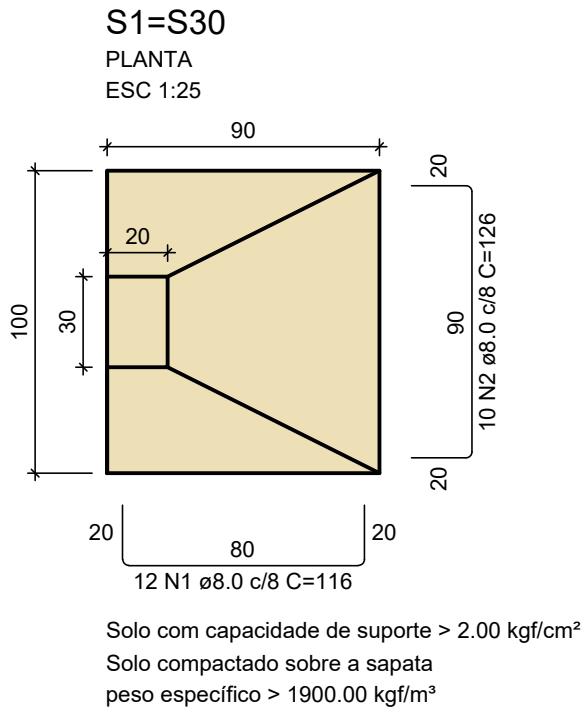




RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
2xS1	CA50	1	8.0	24	116	2784
	CA50	2	8.0	20	126	2520
	CA50	1	10.0	11	125	1375
S12	CA50	2	10.0	8	150	1200
	CA50	1	10.0	12	140	1680
	CA50	2	10.0	9	160	1440
2xS26	CA50	1	8.0	12	76	912
	CA50	2	8.0	12	86	1032
	CA50	1	8.0	24	116	2784
2xS37	CA50	2	8.0	20	126	2520
	CA50	1	8.0	12	76	912
	CA50	2	8.0	12	86	1032
2xS47	CA50	1	10.0	24	140	3360
	CA50	2	10.0	18	165	2970

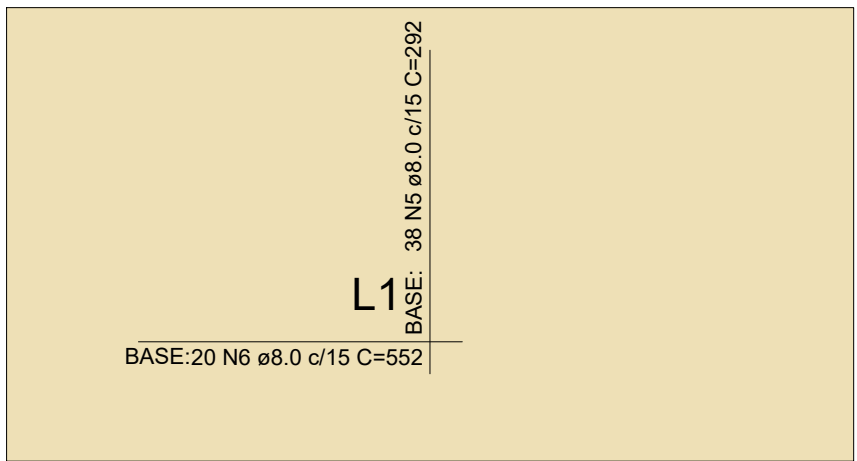
RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	145	62.9
CA50	10.0	120.3	81.6
PESO TOTAL (kg)			
CA50	144.5		

Volume de concreto (C-30) = 4.27 m³
Área de forma = 15.77 m²



Armação inferior do radier

escala 1:50



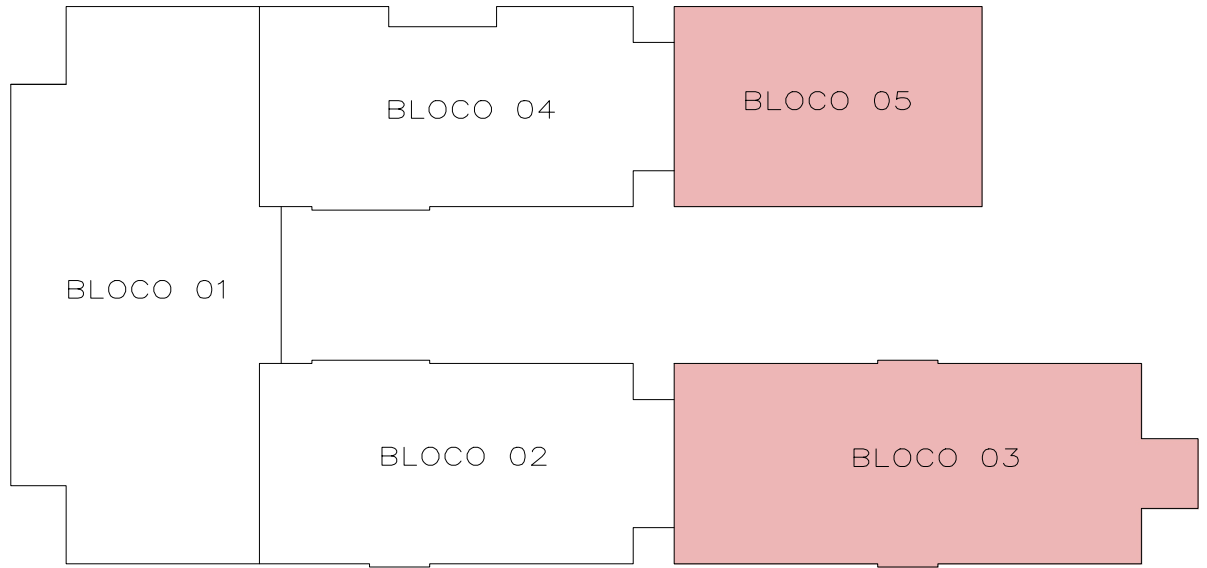
Armação superior do radier

escala 1:50

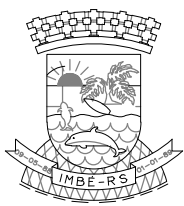
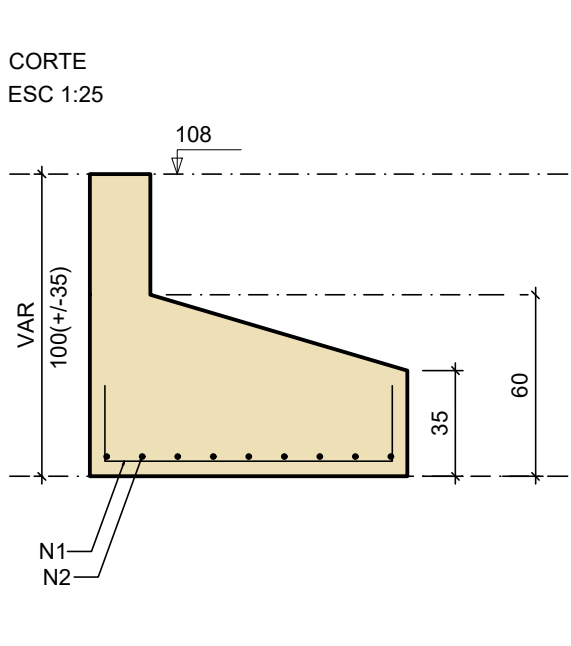
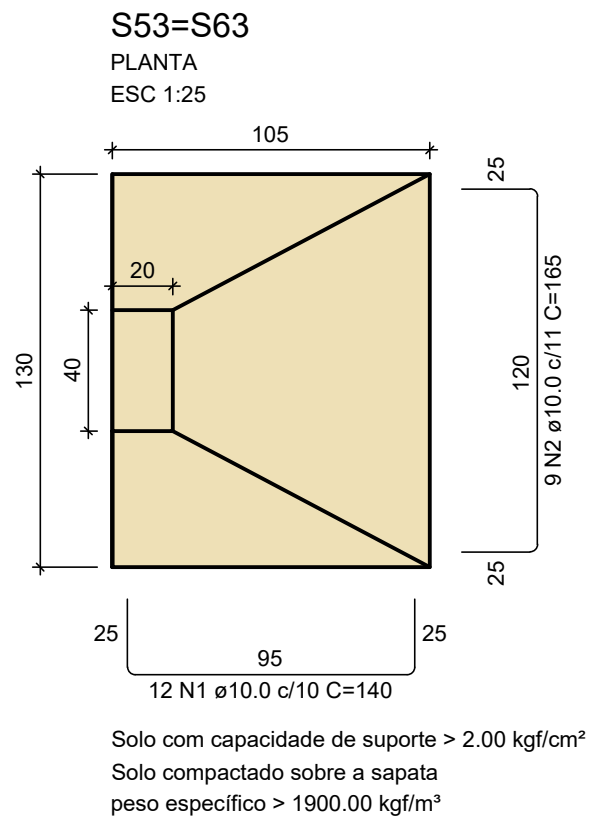
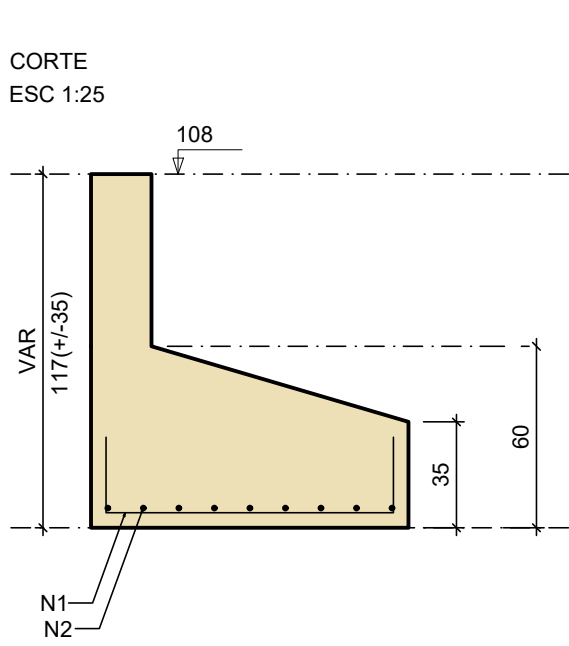
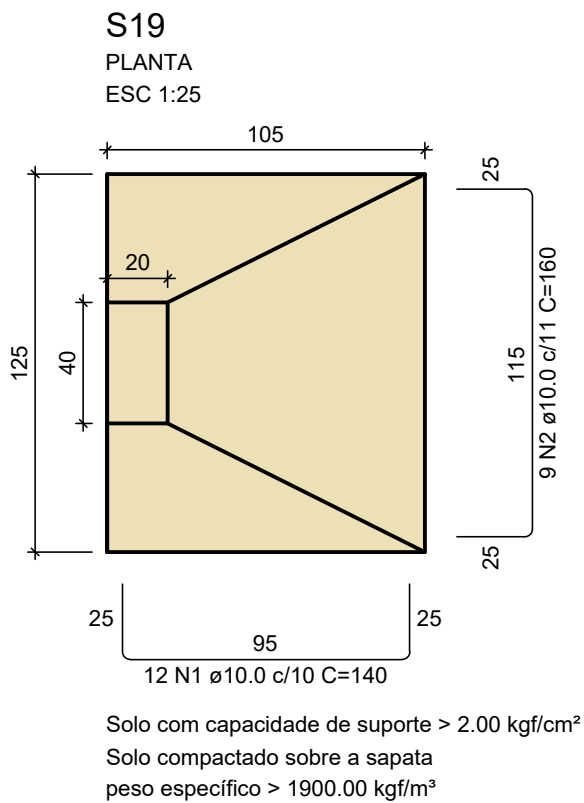
RELAÇÃO DO AÇO RADIER					
Negativos			Positivos		
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	32	370	11840
	2	6.3	18	630	11340
	3	6.3	4	292	1168
	4	6.3	4	552	1108
	5	8.0	38	292	11096
	6	8.0	20	552	11040

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	255.16	68.77
CA50	8.0	221.36	96.18
PESO TOTAL (kg)			
CA50	308.7		

Volume de concreto (C-30) = 2.52 m³
Área de forma = 2.58 m²



JOSÉ VILMAR P. DE FRAGA ARQUITETO E URBANISTA	BRUNO REBECHI DALLE MULLE ENGENHEIRO CIVIL	ANA CAROLINA M. SANTOS ARQUITETA E URBANISTA	HENRIQUE RODRIGUES DIAS AUX. ENGENHARIA CIVIL
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ESTADO DO RIO GRANDE DO SUL
PREFEITURA MUNICIPAL DE IMBÉ
AVENIDA PARAGUASSU, 2070 – CENTRO – IMBÉ – RS
FONE: 51.3627.8515 – CEP: 95.625-000

DEBIL: E. M. E. F. RUI BARBOSA NOVAS INSTALAÇÕES			
ADMINISTRAÇÃO 2025/2028	BAIRRO MARILUZ – IMBÉ – RS AVENIDA MARILUZ, 1180 TERRENO URBANO – SETOR 35	DESENHO: BRUNO	
SECRETARIA MUNICIPAL DE EDUCAÇÃO	ANA CAROLINA MOREIRA SANTOS ARQUITETA E URBANISTA CAU A1715046	ESCALA: INDICADAS	
med@imbe.rs.gov.br	BRUNO REBECHI DALLE MULLE ENGENHEIRO CIVIL CREA-RS 202622	DATA: ABRIL 2025	
	RUTH JOSIELLI MONTEIRO RUSCHEL SECRETÁRIA MUNICIPAL DE EDUCAÇÃO	ÁREA: 2.491,91m²	
	ESTRUTURAL ARMADURA DAS SAPATAS – BLOCOS 03 E 05	PRANCHETA: 42/56	