

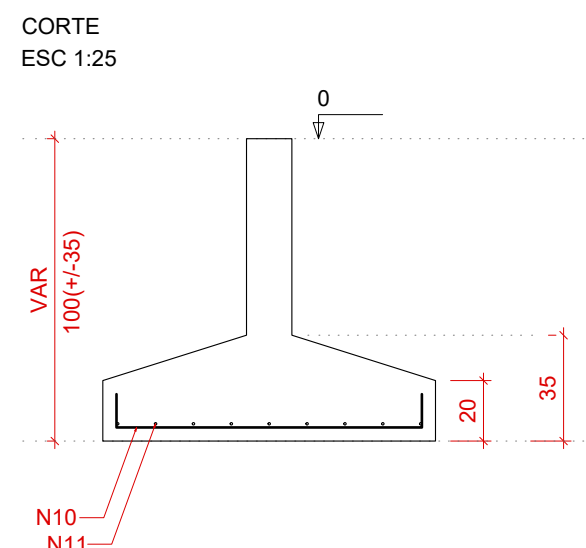
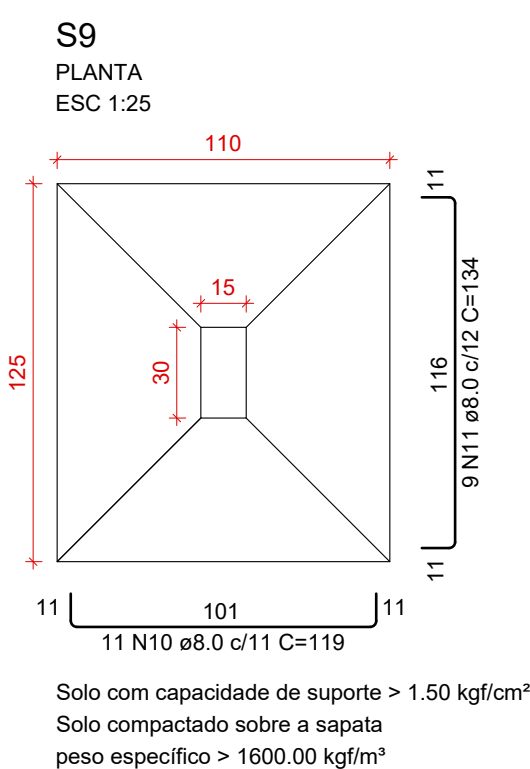
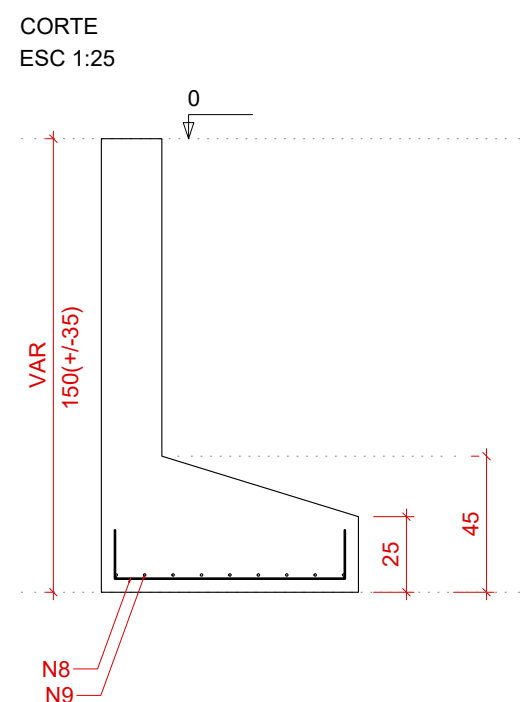
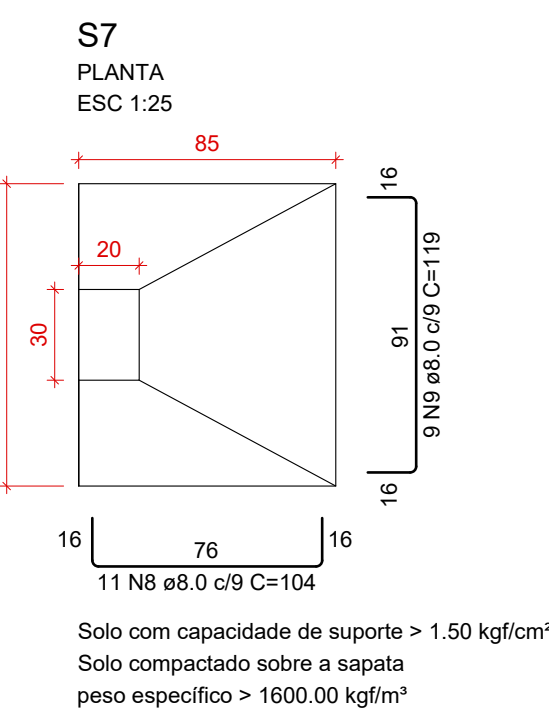
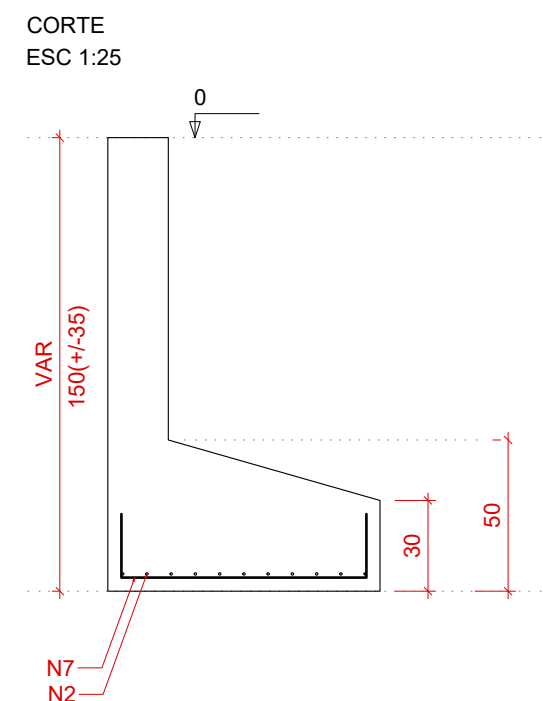
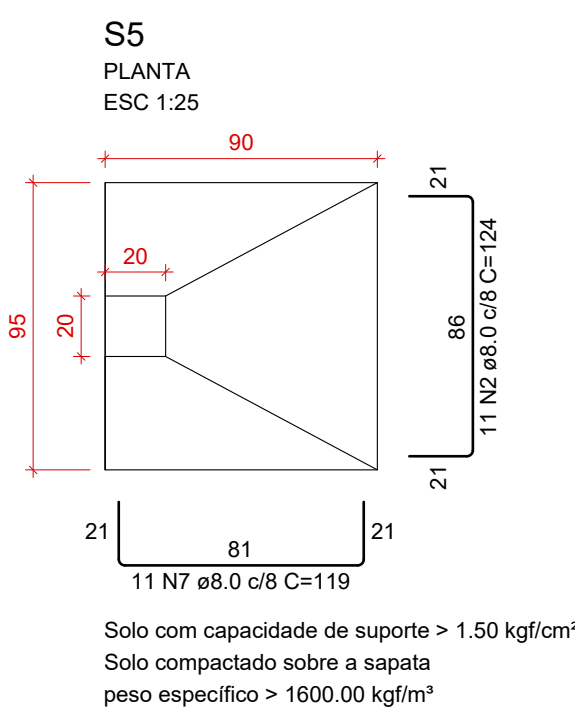
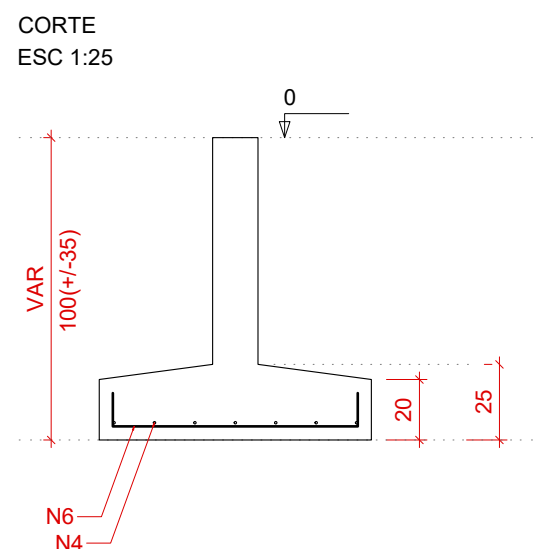
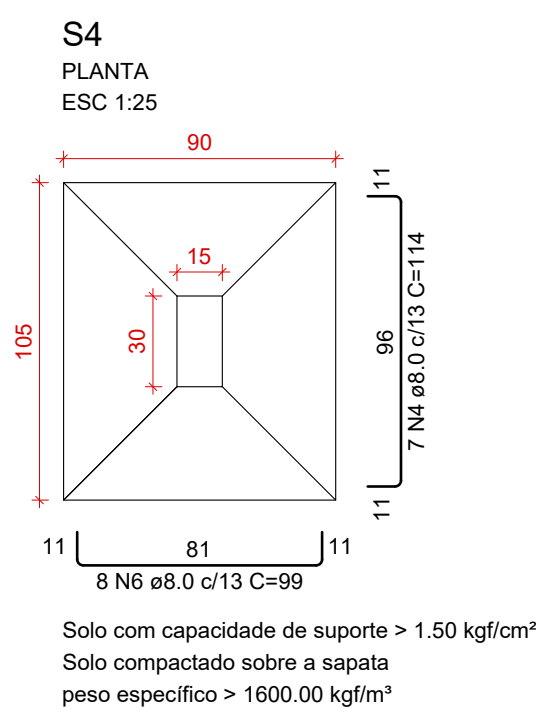
RELAÇÃO DO AÇO - Sapatas

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	4	695	2780
CA50	2	8.0	24	124	2976
	3	8.0	11	139	1529
	4	8.0	37	114	4218
	5	8.0	24	129	3096
	6	8.0	8	99	792
	7	8.0	11	119	1309
	8	8.0	11	104	1144
	9	8.0	9	119	1071
	10	8.0	11	119	1309
	11	8.0	9	134	1206
	12	10.0	17	194	3298
	13	12.5	13	251	3263
	14	12.5	12	261	3132
	15	12.5	12	187	2244

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	186.5	80.9
	10.0	33	22.4
	12.5	86.4	91.5
CA60	5.0	27.8	4.7
PESO TOTAL (kg)			
CA50	194.9		
CA60	4.7		

Volume de concreto (C-30) = 4.28 m³
Área de forma = 12.26 m²



PROJETO ESTRUTURAL



Obra:	AMPLIAÇÃO - CENTRO DE MULTIPLO USO BAIRRO CRISTO REI Rua Angelo Fassina, L06 Q114, Bairro Cristo Rei, s/nº - Ipuçu/SC	Data:	08/2023
Resp. Técnico:	Tânia Mara Baldissera - Engenheira Civil - CREA-SC 133.907-5	Escala:	Indicada
Município:	Ipuçu/SC - CNPJ: 95.993.028/0001-83	Área:	77,70 m²
Especificação: Sapatas		Desenho:	Tânia
		Prancha:	EST 02/06