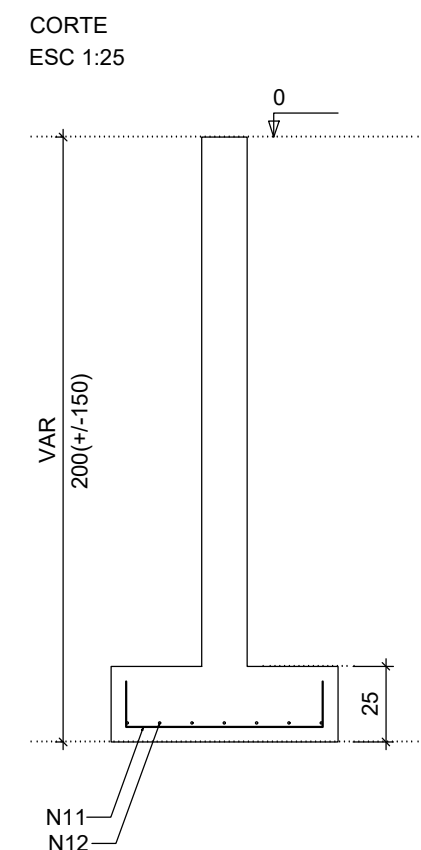
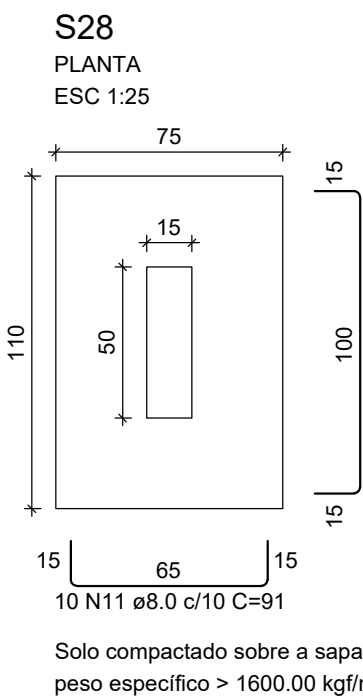
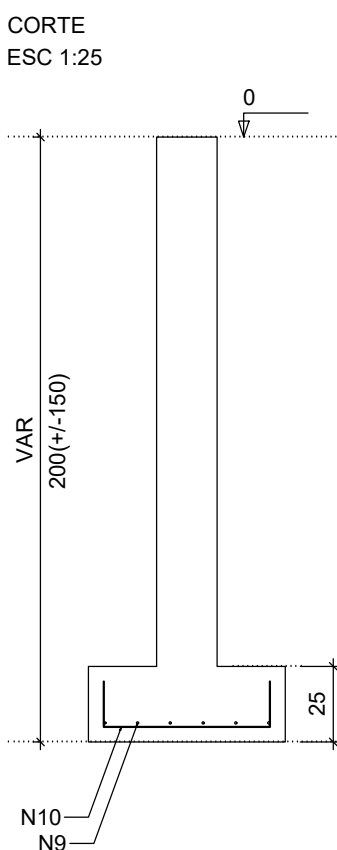
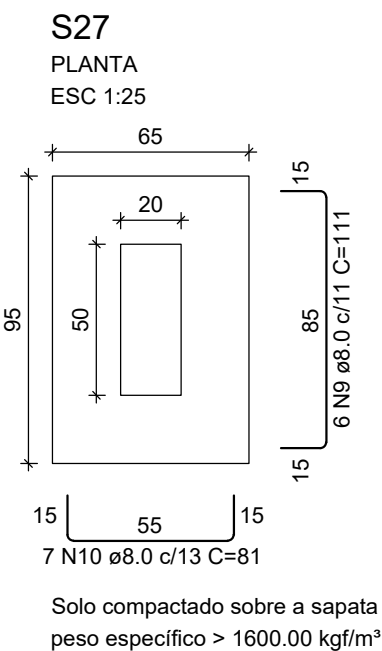
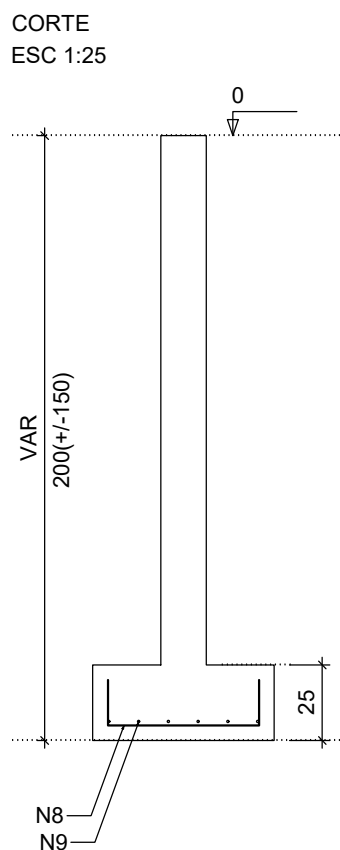
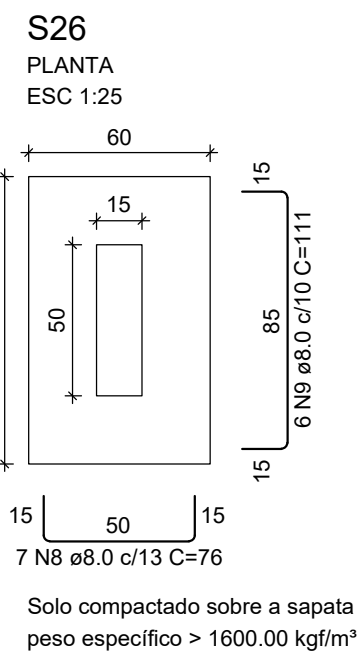
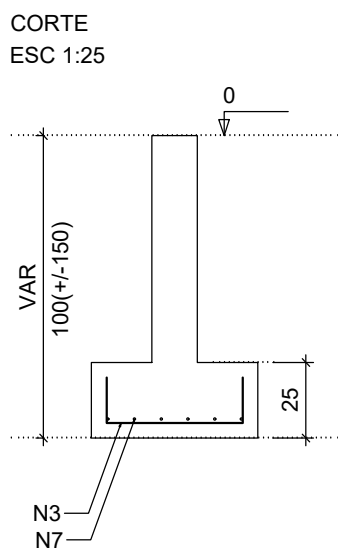
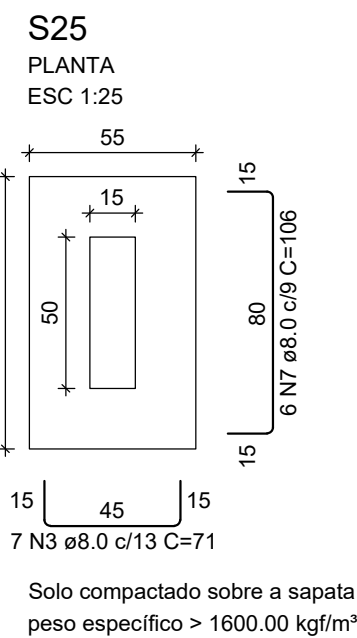
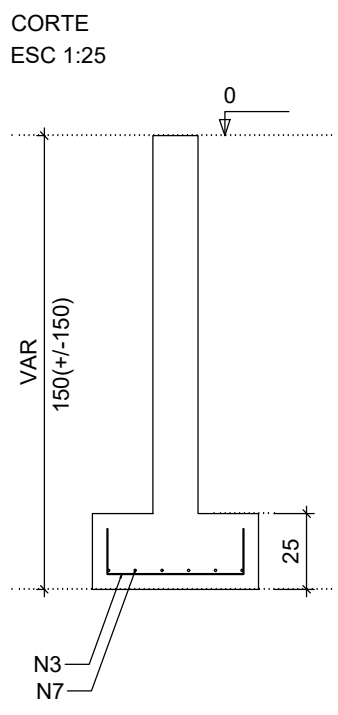
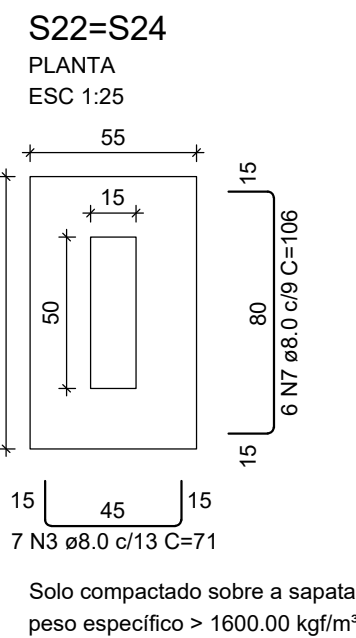
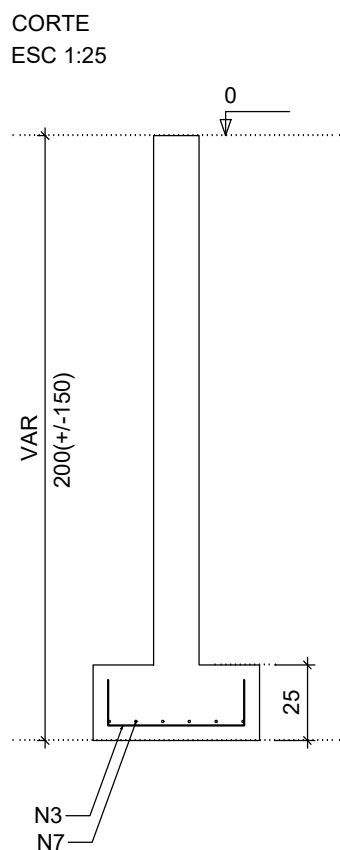
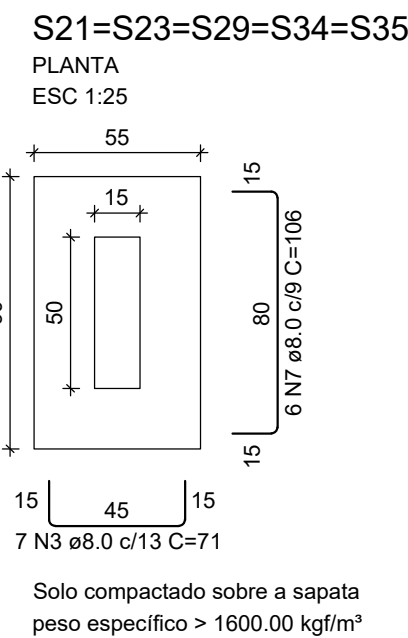
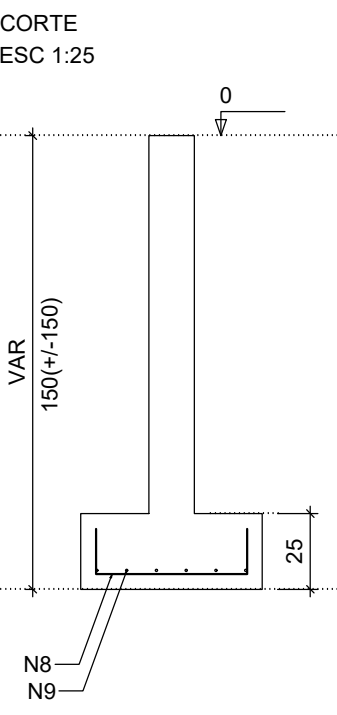
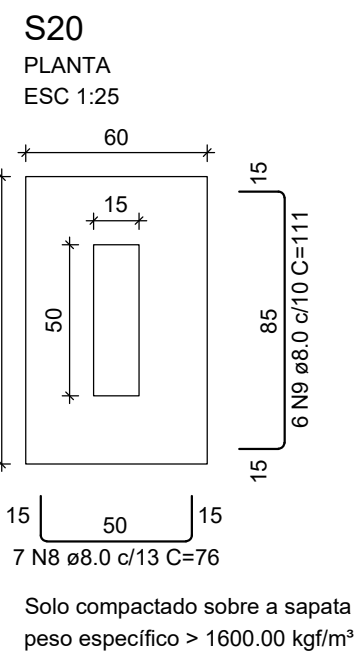
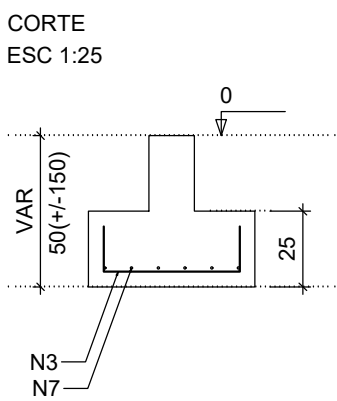
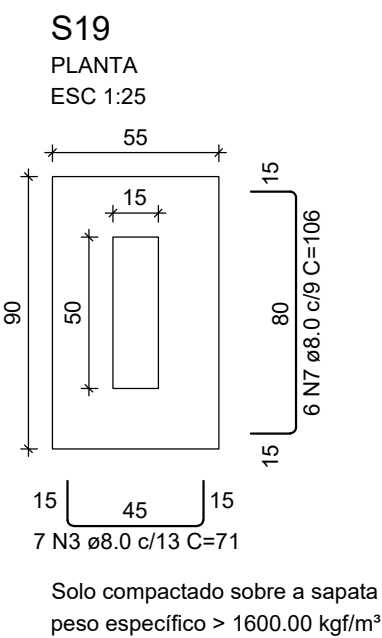
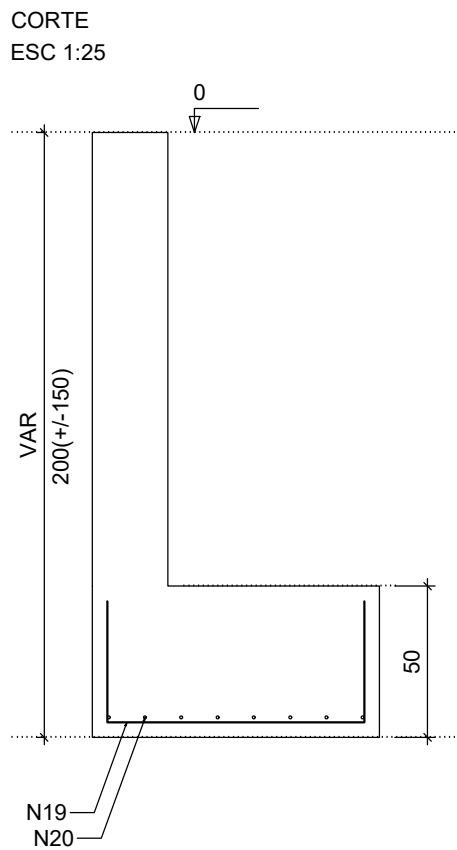
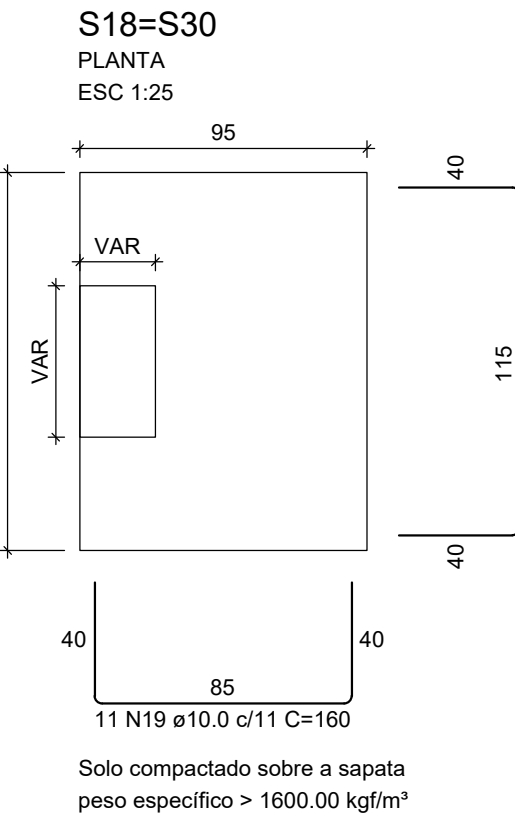
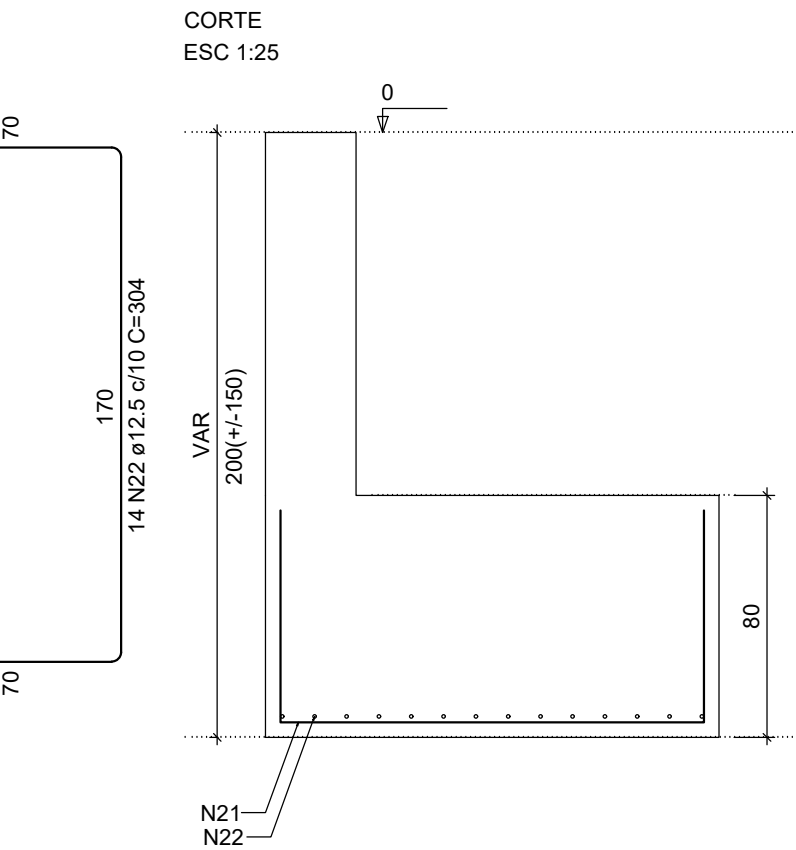
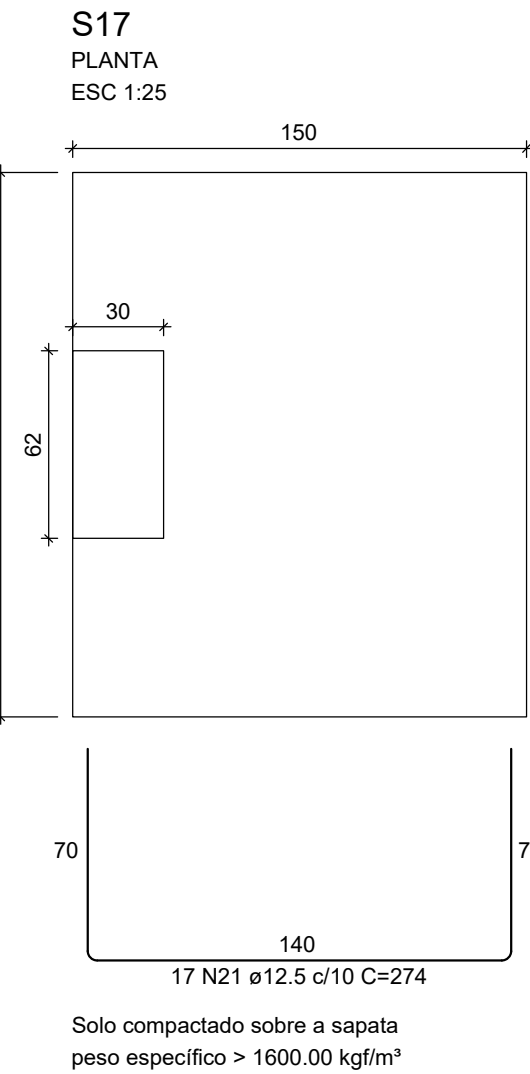
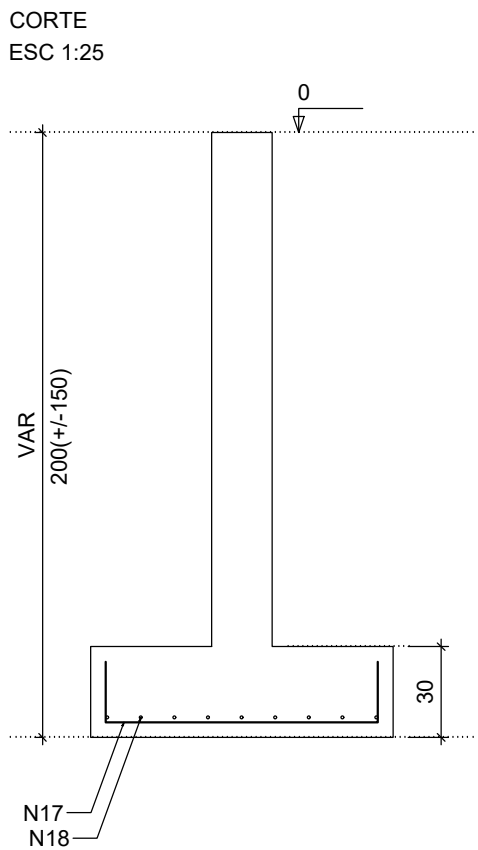
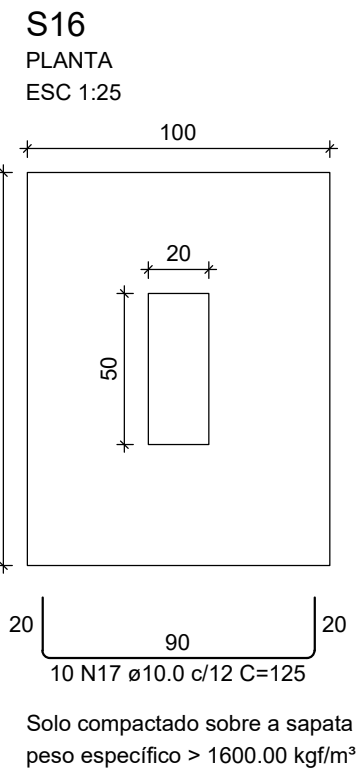
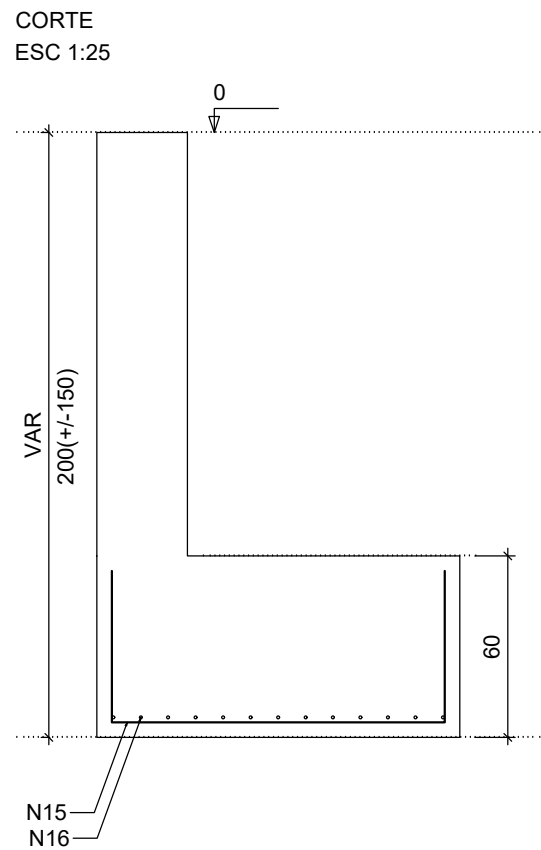
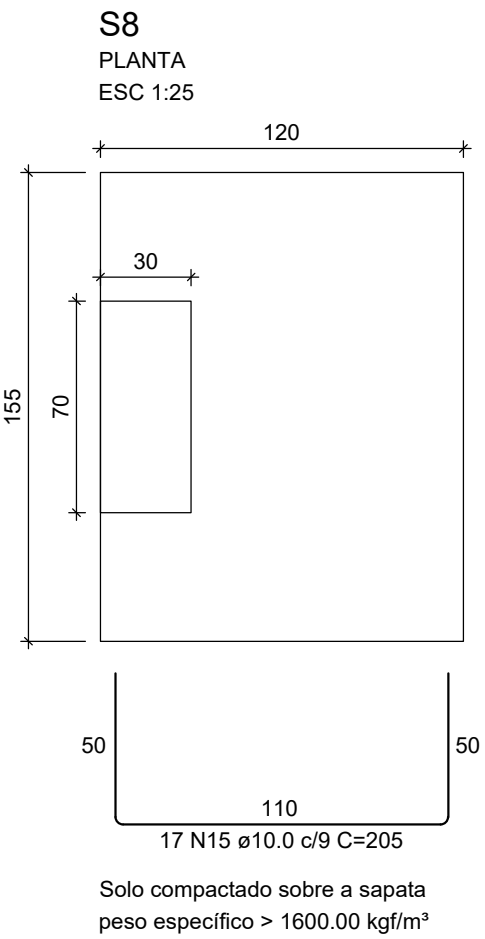
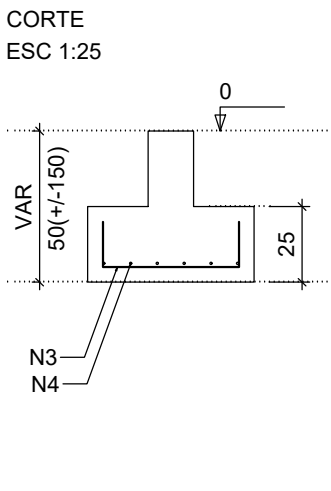
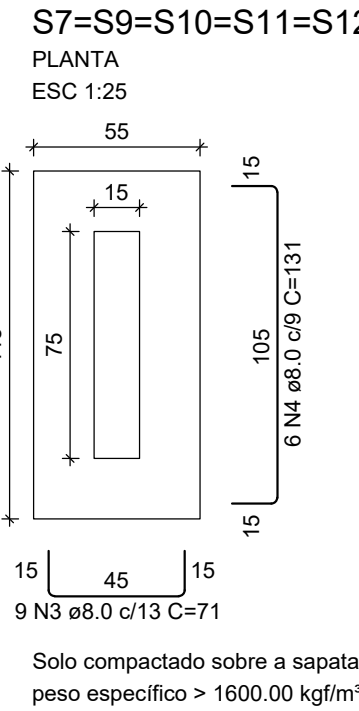
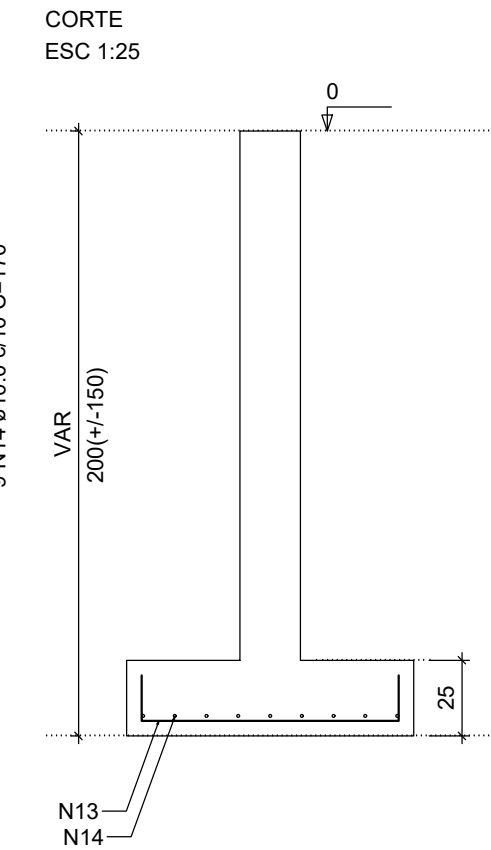
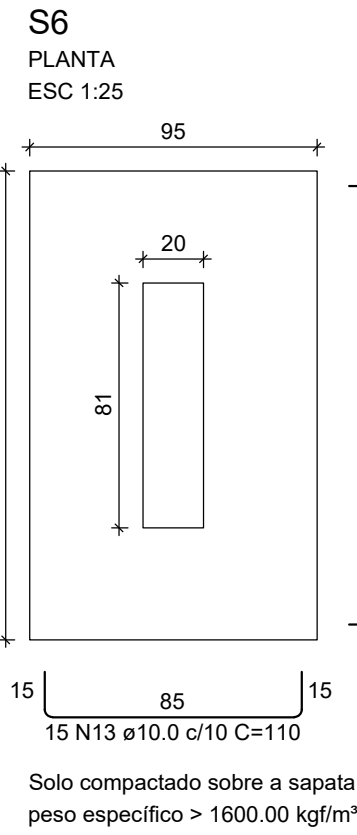
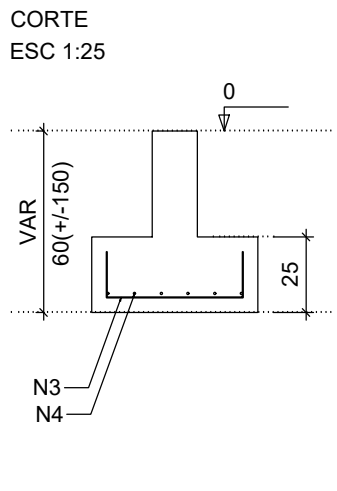
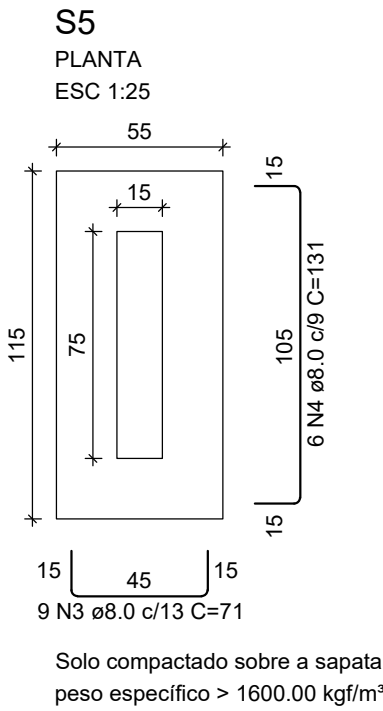
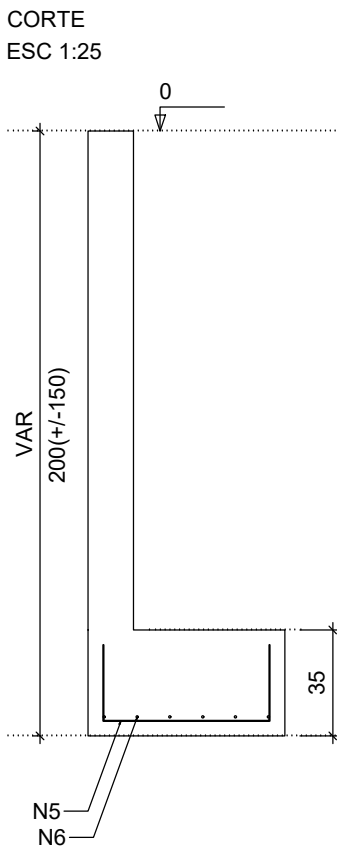
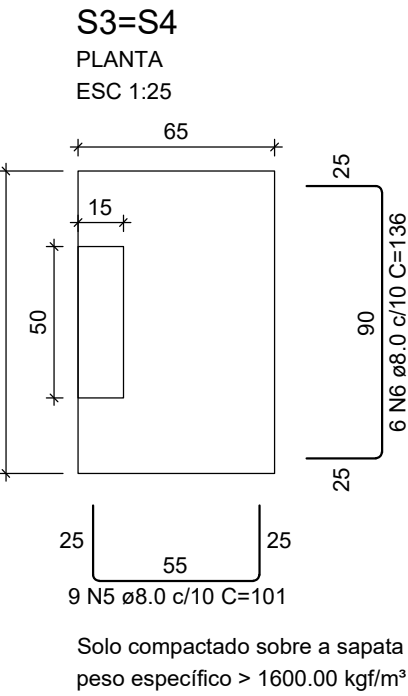
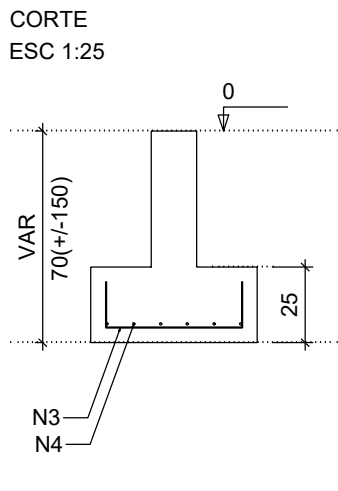
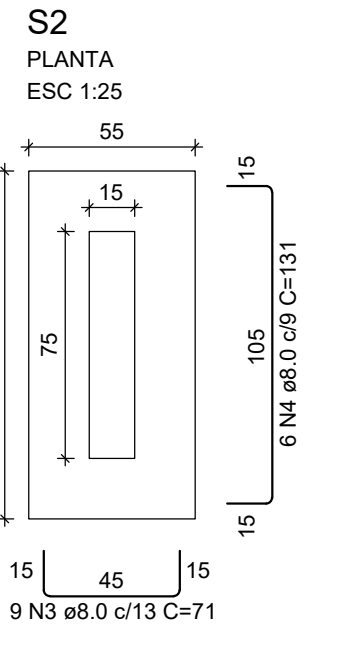
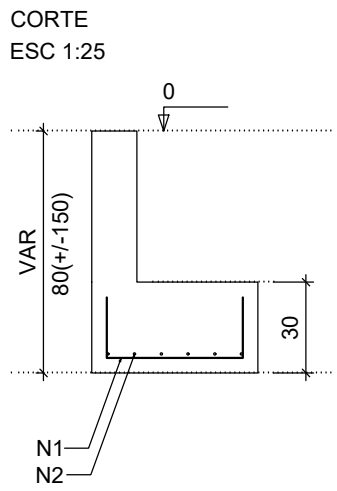
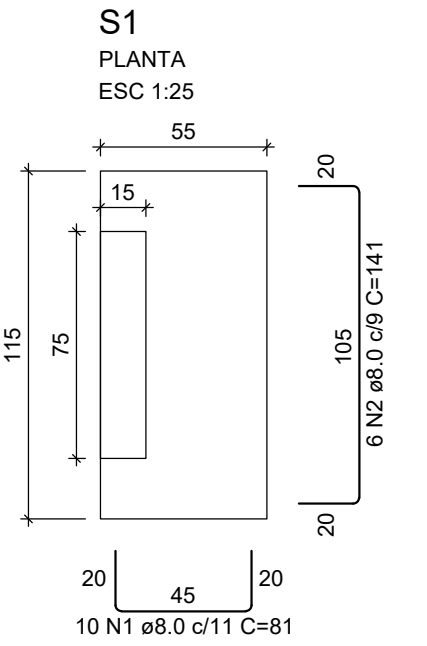




RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	8.0	10	81	810
	2	8.0	6	141	846
	3	8.0	153	71	10863
	4	8.0	60	131	7860
	5	8.0	16	101	1616
	6	8.0	12	136	1632
	7	8.0	54	106	5724
	8	8.0	14	76	1064
	9	8.0	18	111	1998
	10	8.0	7	81	567
	11	8.0	10	91	910
	12	8.0	7	126	882
	13	10.0	15	110	1650
	14	10.0	9	170	1530
	15	10.0	17	205	3485
	16	10.0	13	240	3120
	17	10.0	10	125	1250
	18	10.0	9	155	1395
	19	10.0	22	160	3520
	20	10.0	16	190	3040
	21	12.5	17	274	4658
	22	12.5	14	304	4256

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	349.7	151.8
	10.0	189.9	128.8
	12.5	89.1	94.5
PESO TOTAL (kg)			
CA50	375		

Volume de concreto (C-25) = 9.21 m³
Área de forma = 37.24 m²

PROJETO ESTRUTURAL

SAPATAS

Proprietário:	Câmara Municipal de Araponga	CNPJ / CNPJ:	05.967.206/0001-09
Responsável Técnico:	Gladston Ramaldes Moreira RAAMALDES MOREIRA10585835659	Assinado eletronicamente por GLADSTON RAMALDES MOREIRA MORERA10585835659 13.08.23 - 09:00	CREA: 208617/D
Finalidade:	Construção de um imóvel institucional	Data:	Setembro / 2025
Endereço:	Rua José Ernesto Kummel, SN, Centro, Araponga, Minas Gerais	CEP:	36.594-000
Desenho:		Folha:	01 / 01