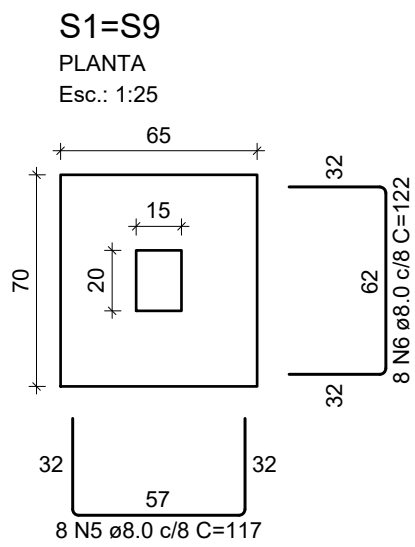
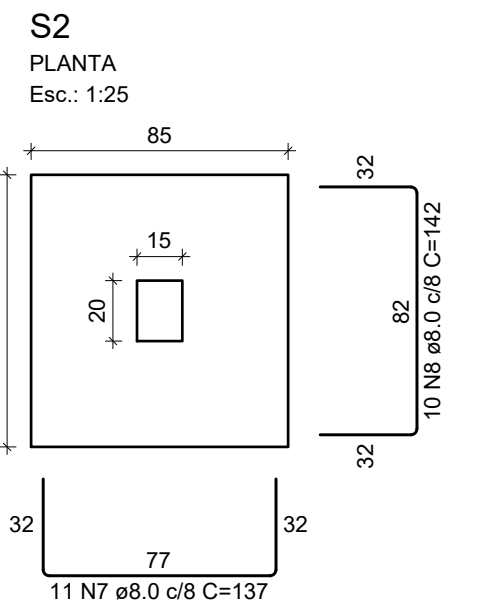
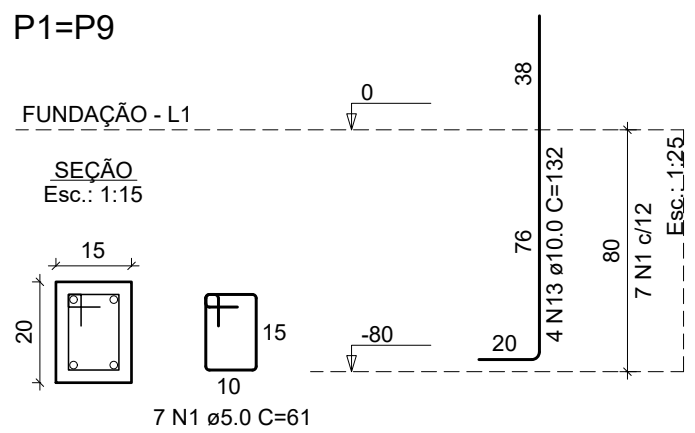
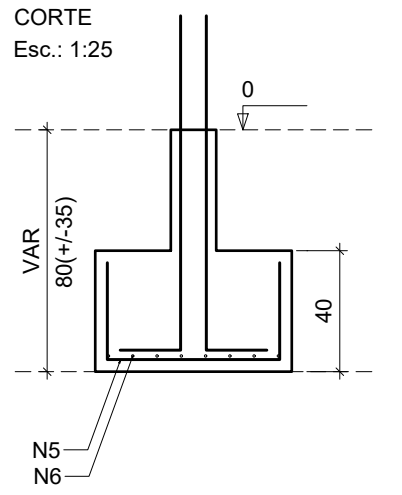
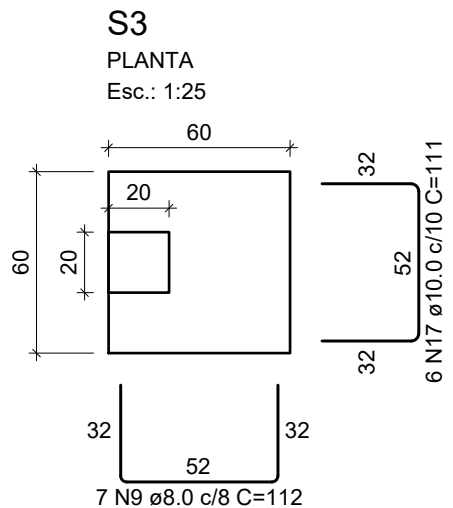
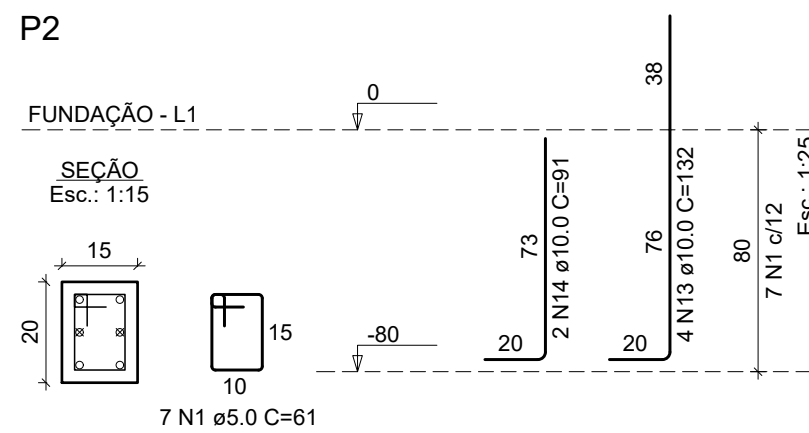
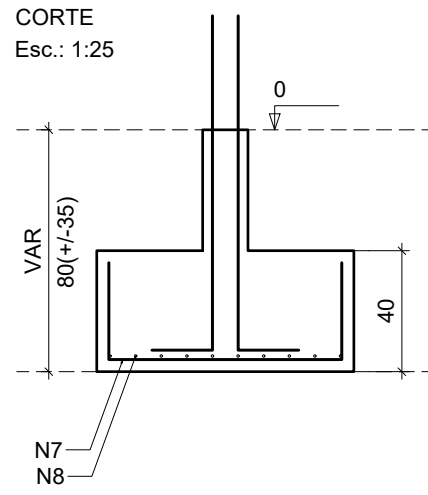




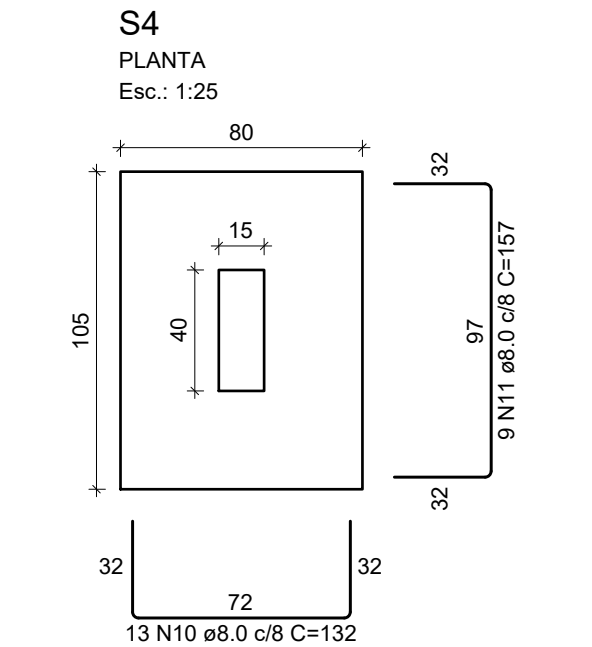
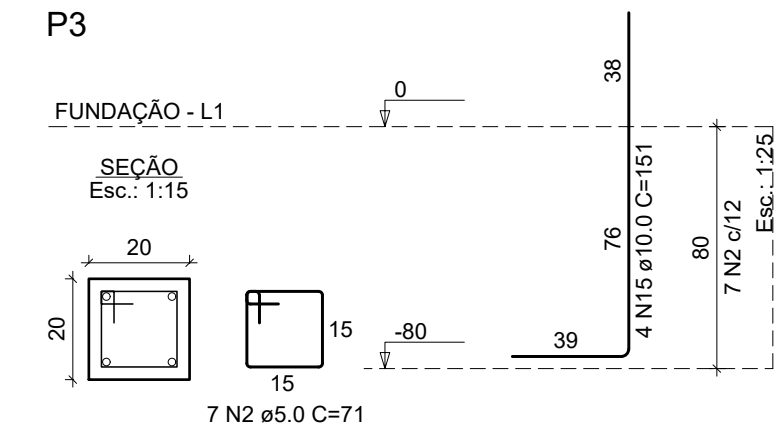
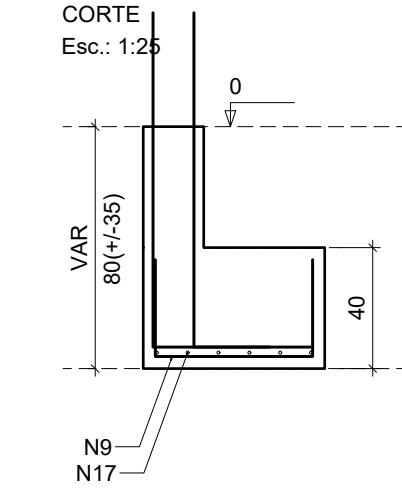
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



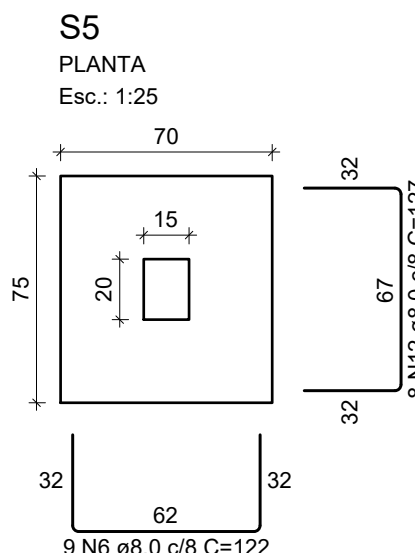
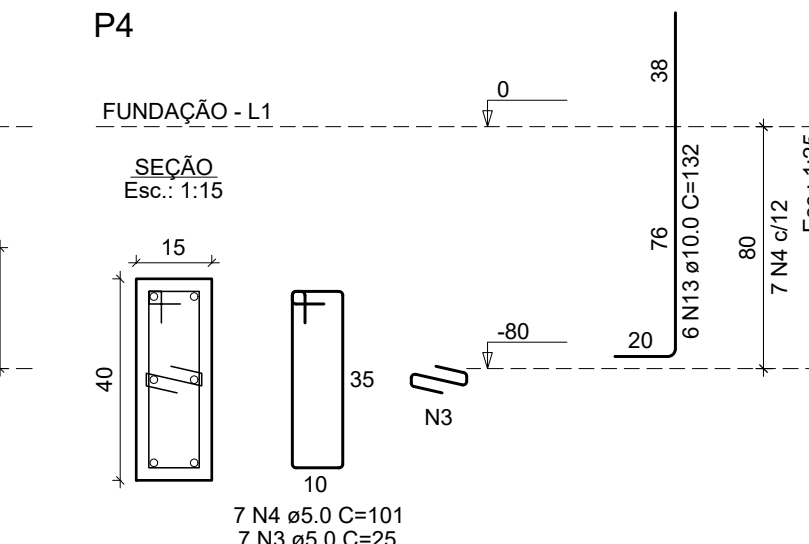
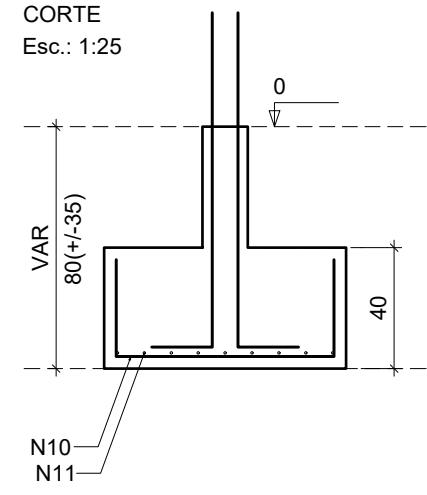
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



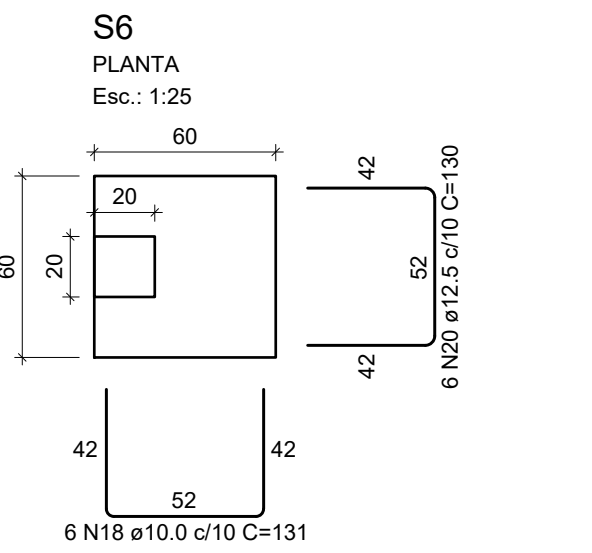
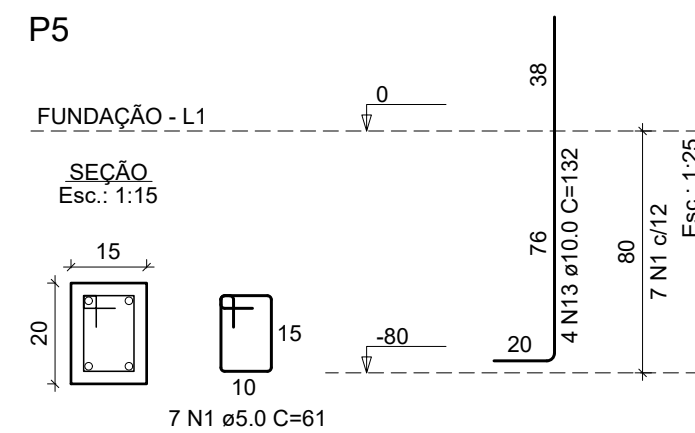
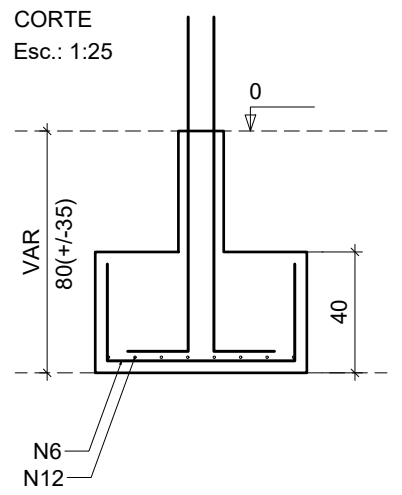
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



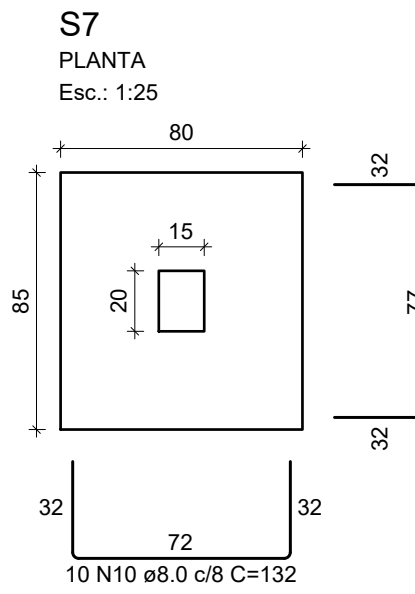
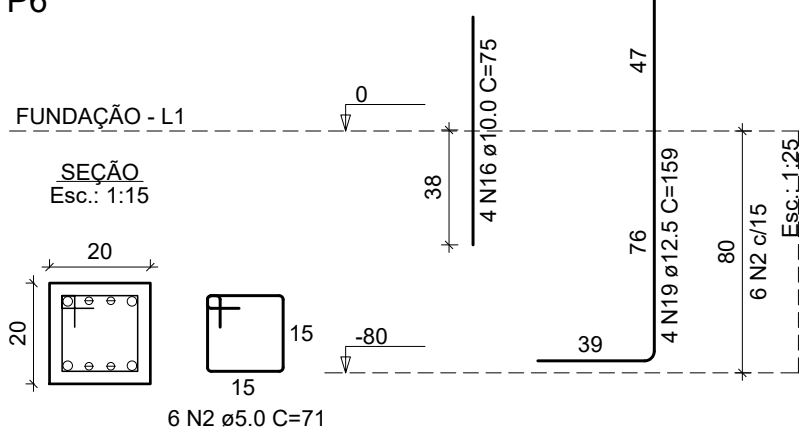
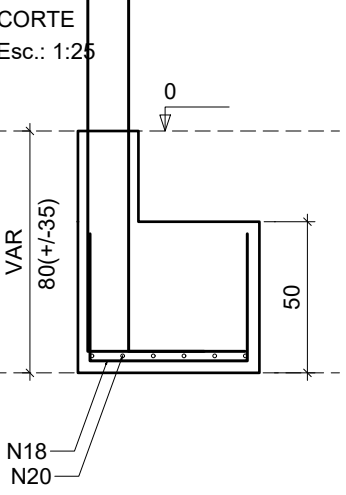
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



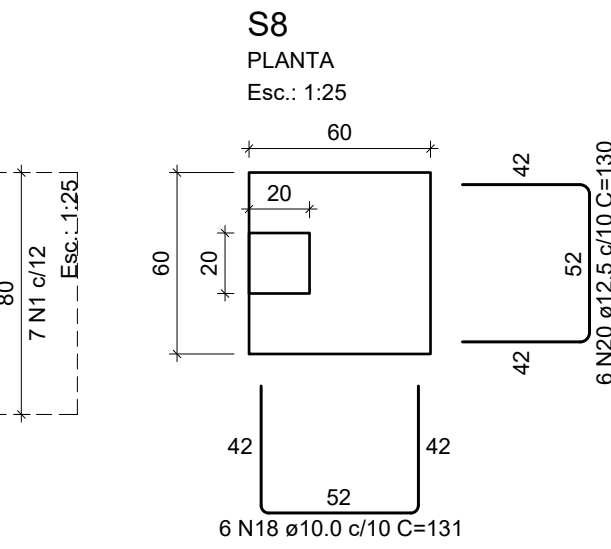
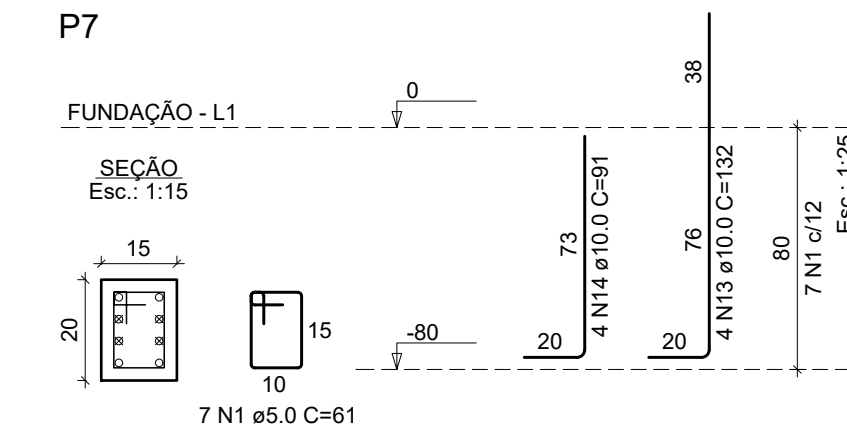
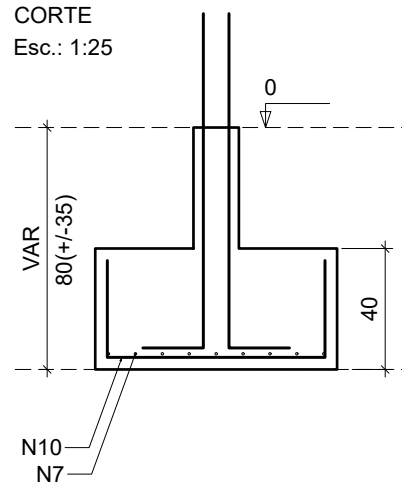
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



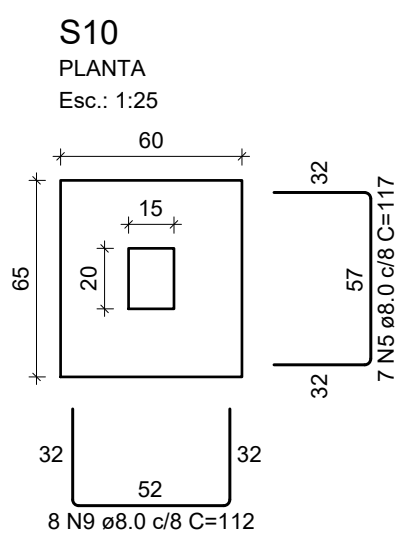
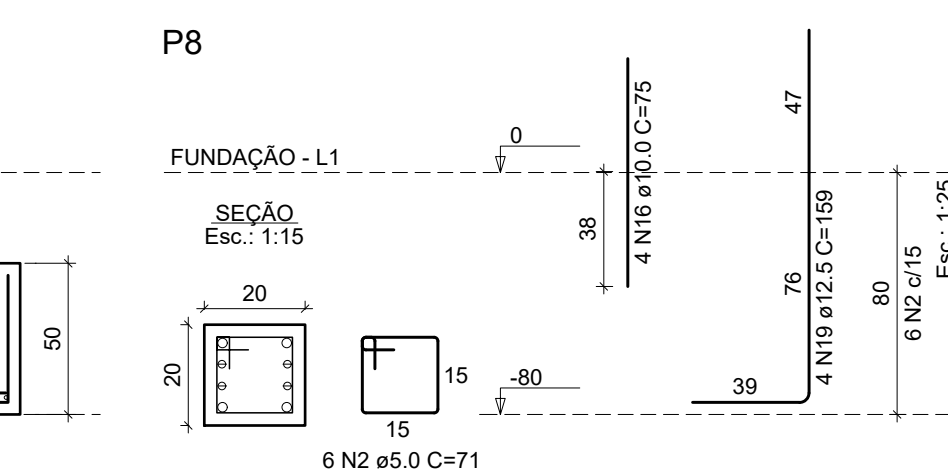
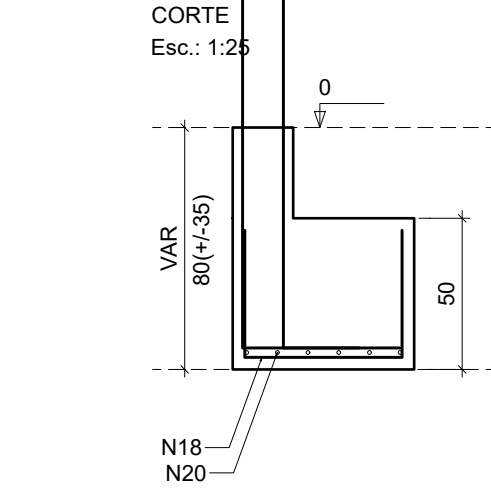
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



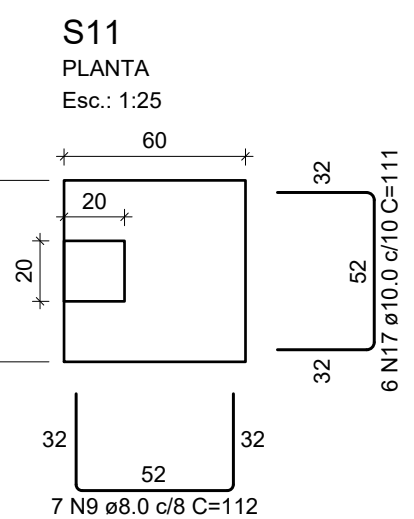
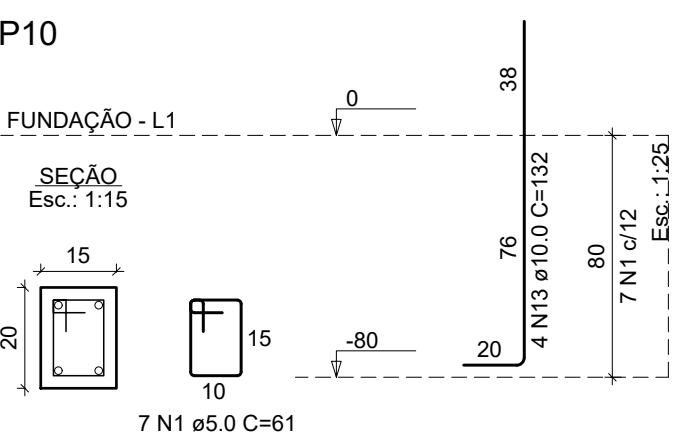
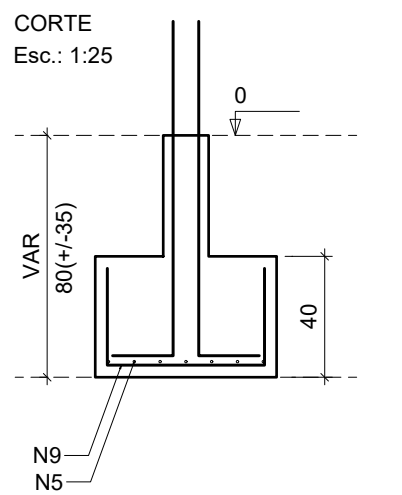
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



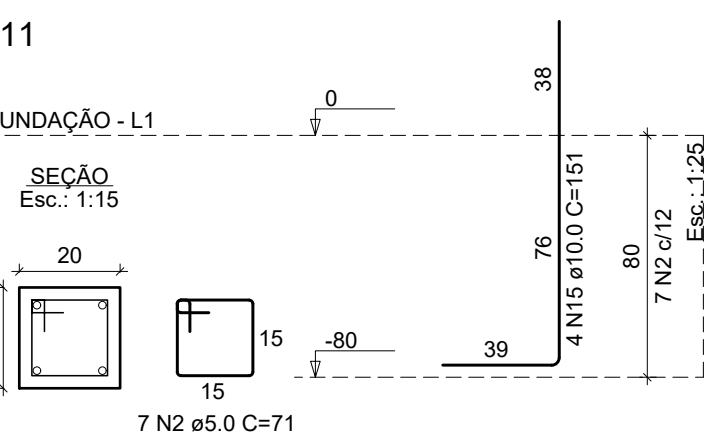
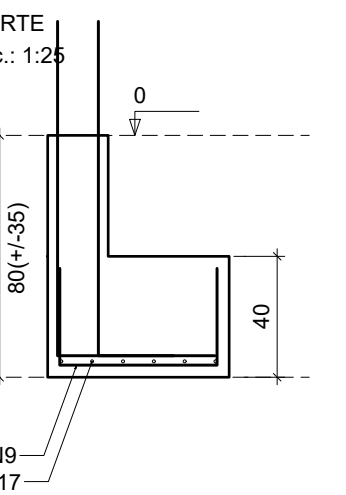
Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



Solo com capacidade de suporte > 1.80 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



RELAÇÃO DO AÇO					
2xP1	P2	P3			
P4	P5	P6			
P7	P8	P10			
P11	2xS1	S2			
S3	S4	S5			
S6	S7	S8			
S10	S11				
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	42	61	2562
	2	5.0	26	71	1846
	3	5.0	7	25	175
	4	5.0	7	101	707
CA50	5	8.0	23	117	2691
	6	8.0	25	122	3050
	7	8.0	20	137	2740
	8	8.0	10	142	1420
	9	8.0	22	112	2464
	10	8.0	23	132	3036
	11	8.0	9	157	1413
	12	8.0	8	127	1016
	13	10.0	30	132	3960
	14	10.0	6	91	546
	15	10.0	8	151	1208
	16	10.0	8	75	600
CA60	17	10.0	12	111	1332
	18	12.5	8	159	1272
	20	12.5	12	130	1560

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)
CA50	8.0	178.3	17
	10.0	92.2	9
CA60	12.5	28.3	3
	5.0	52.9	5
PESO TOTAL (kg)			
CA50	169.9		
CA60	9		

Volume de concreto (C-30) = 2.44 m³
Área de forma = 16.08 m²

Obra:	Ampliação prédio CRAS		
Endereço:	Rua São José, 39 - Paulo Bento - RS		
Data:	Junho/2026	Projeto:	Estrutural - Sapatas
Escala:	Indicada	Prancha:	02/04
Proprietário:	Evandro Baratto Prefeito Municipal de Paulo Bento		Resp. Técnico:
			Lauson Serafini Engº Civil CREA/RS 123.168-D