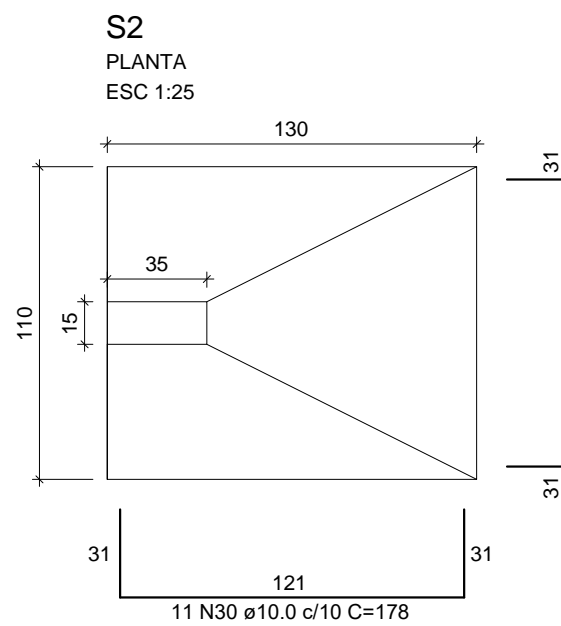
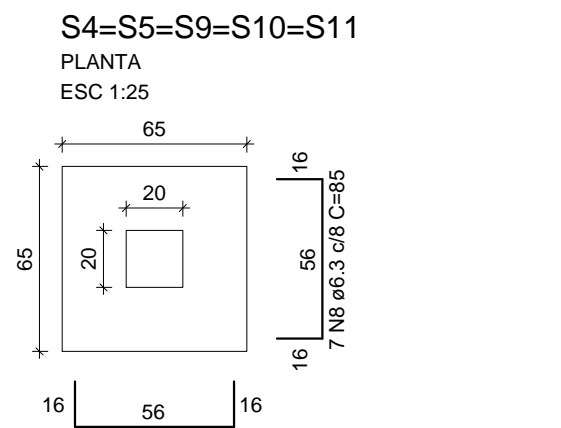


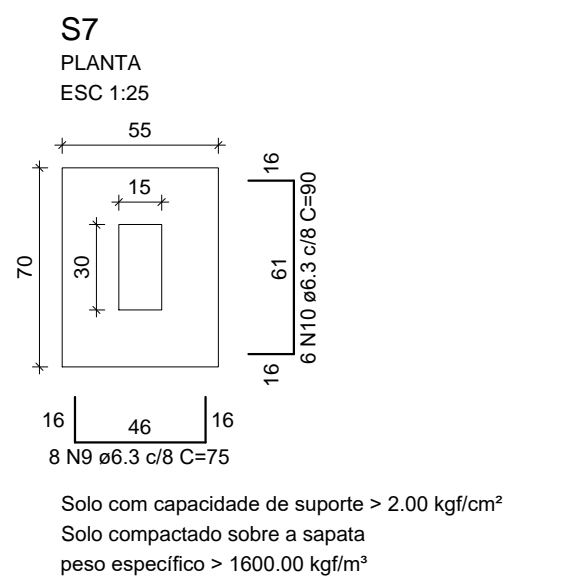
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



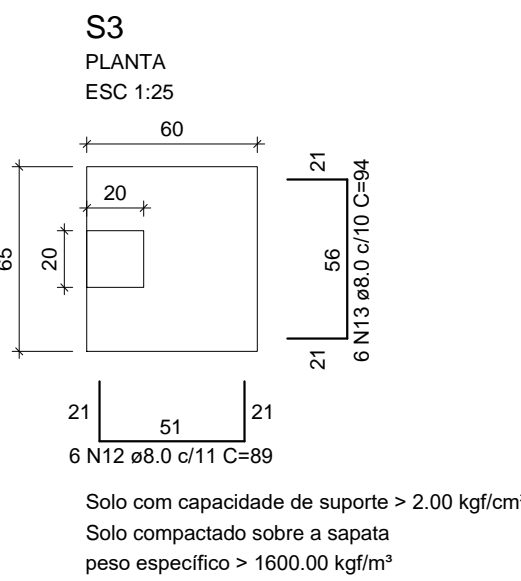
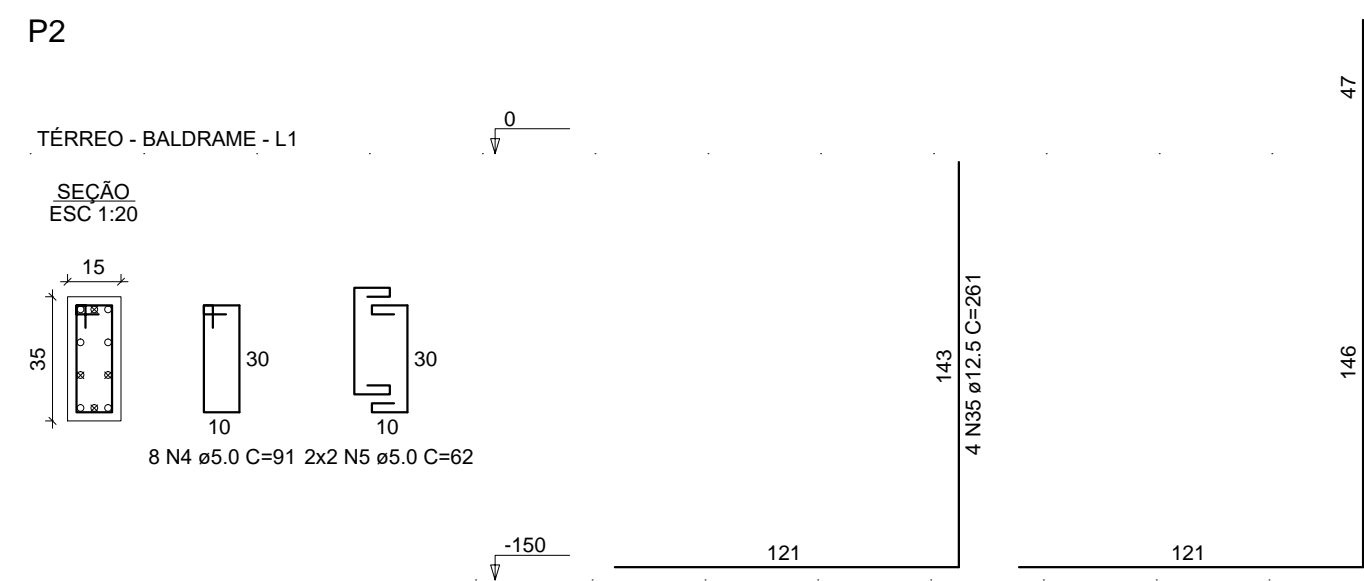
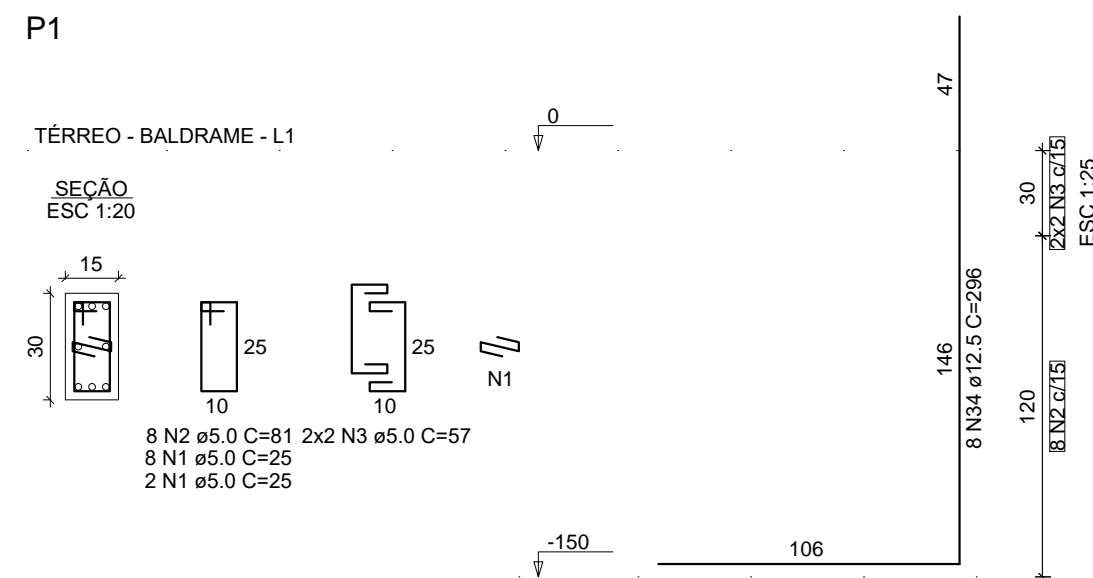
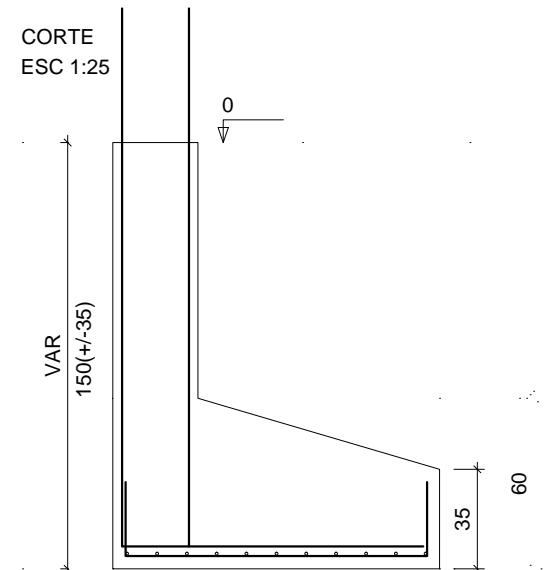
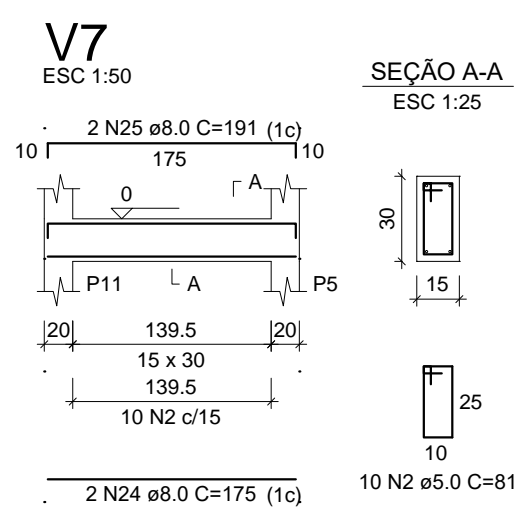
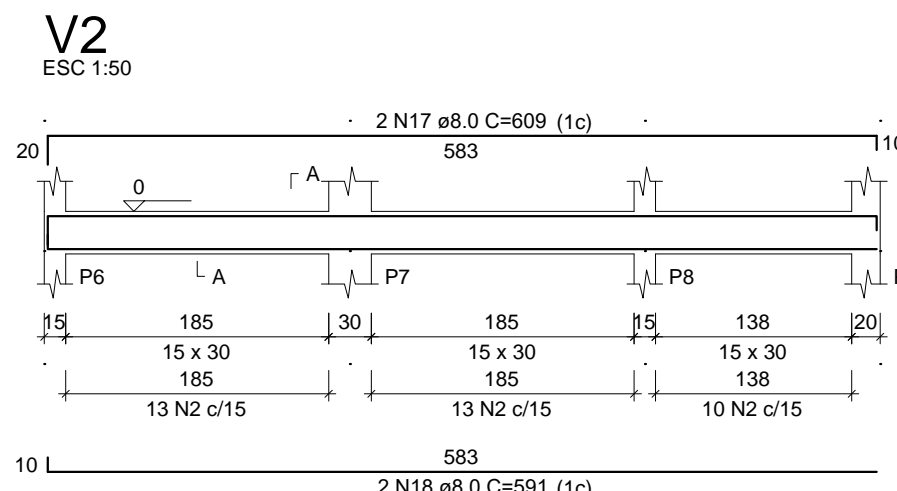
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



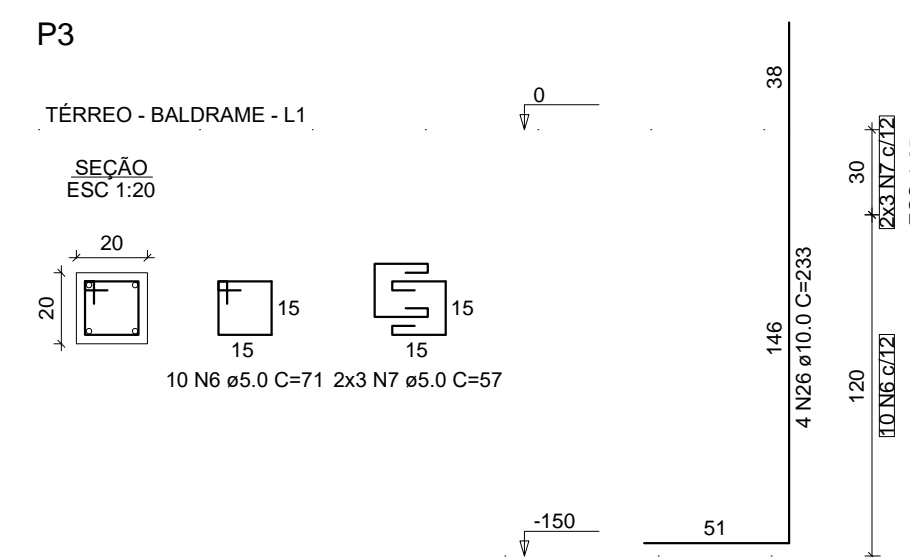
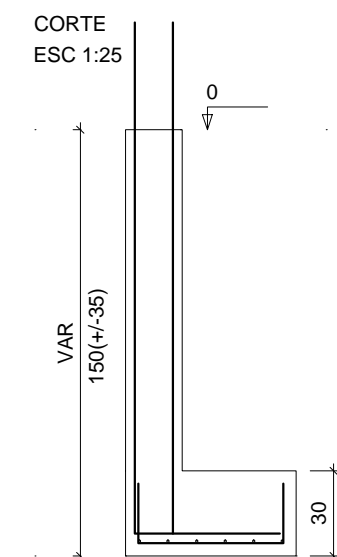
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



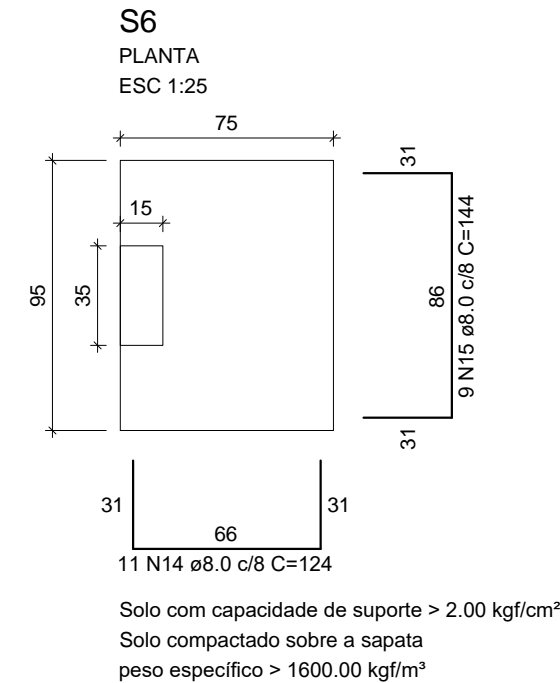
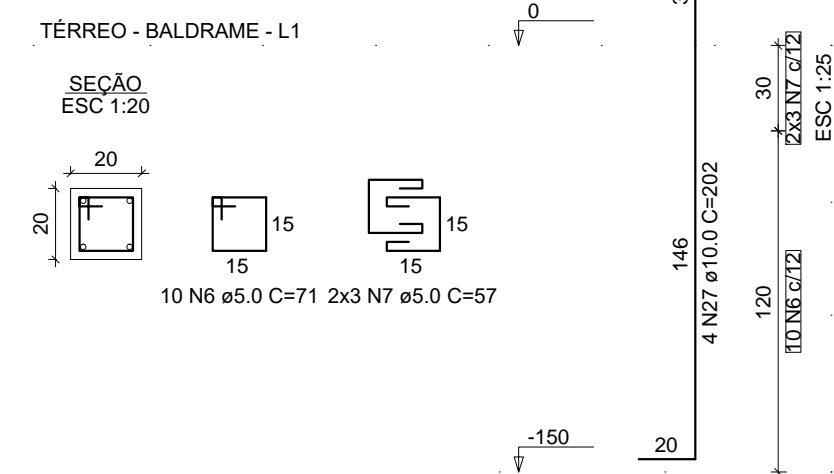
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



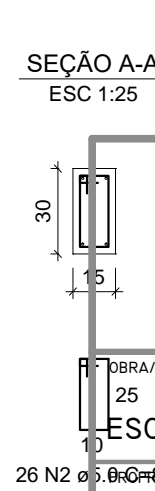
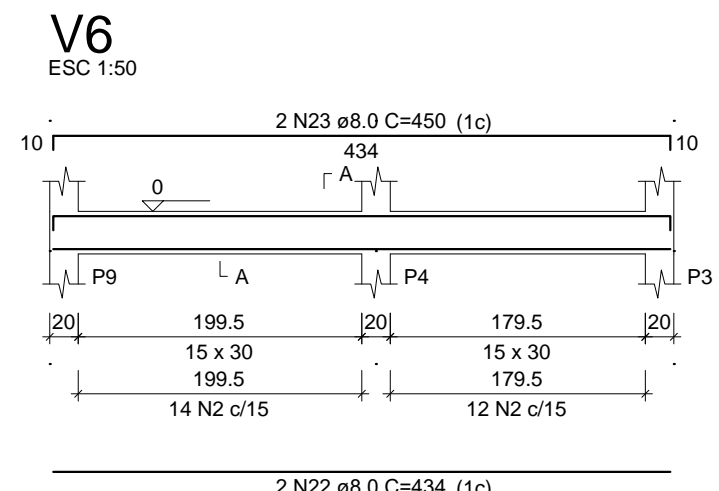
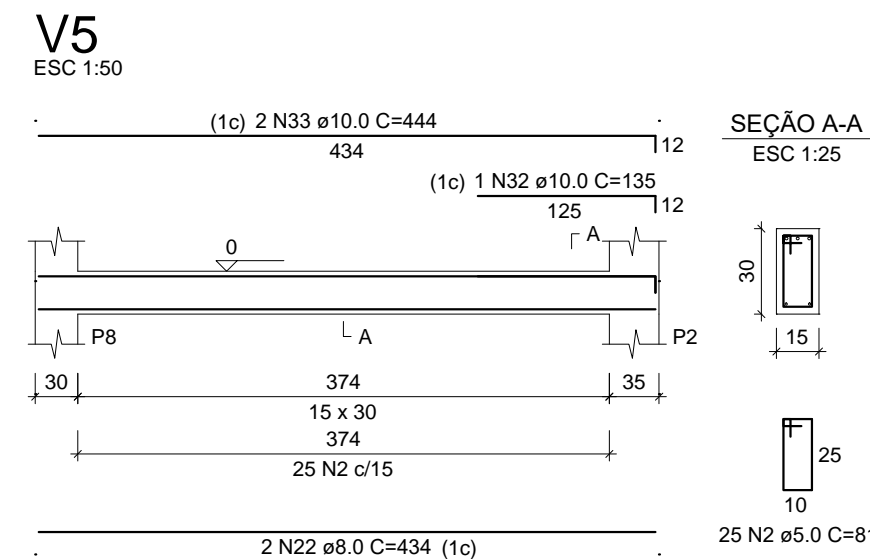
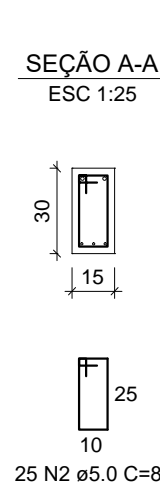
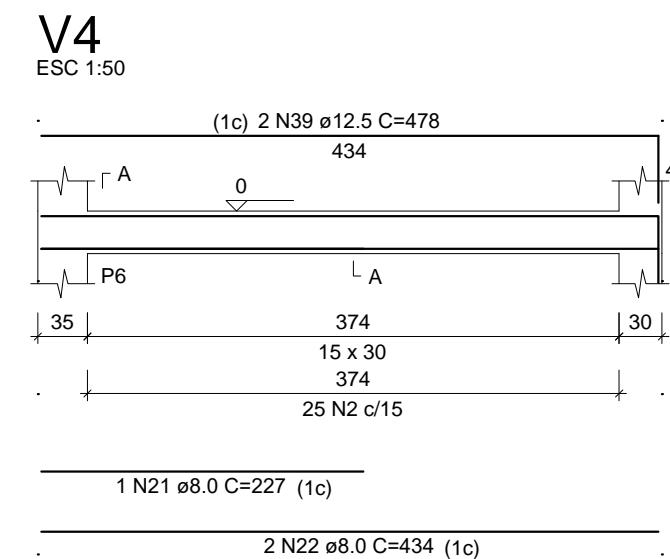
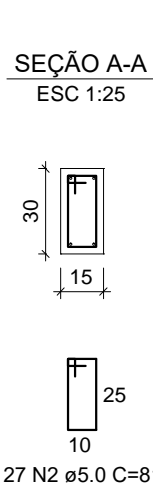
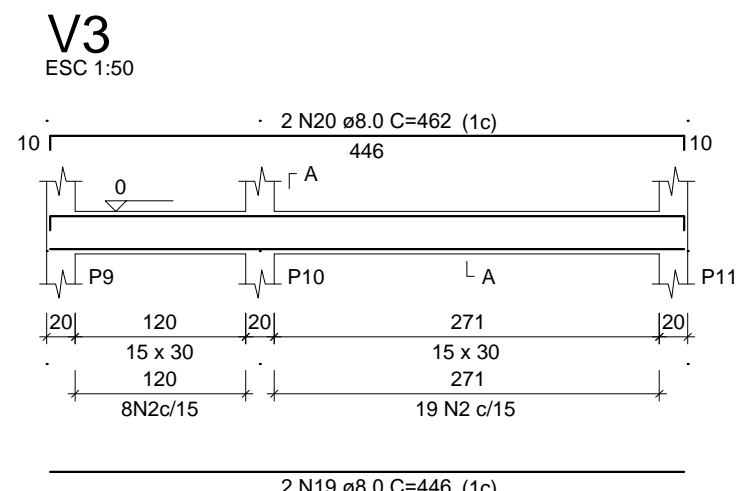
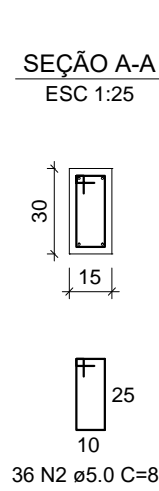
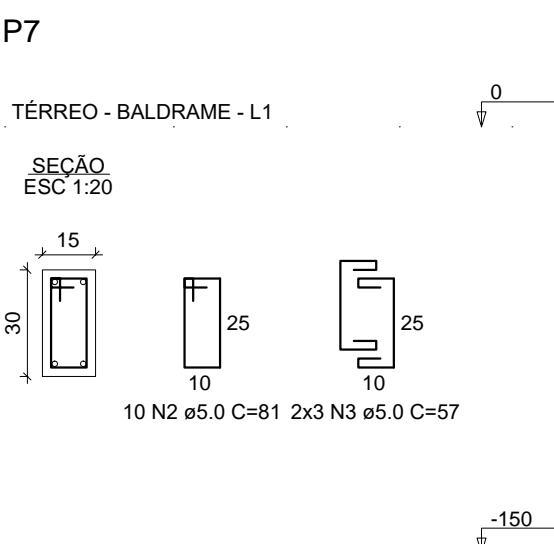
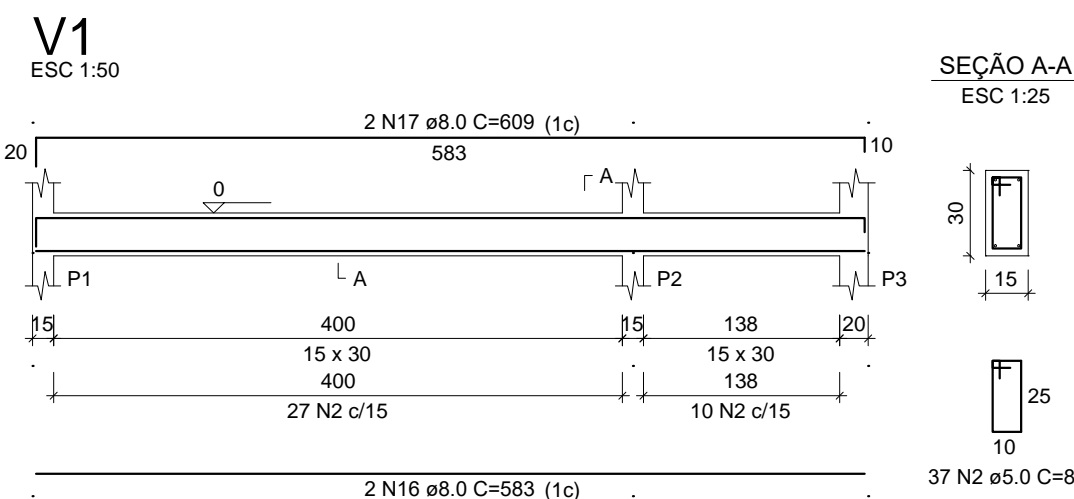
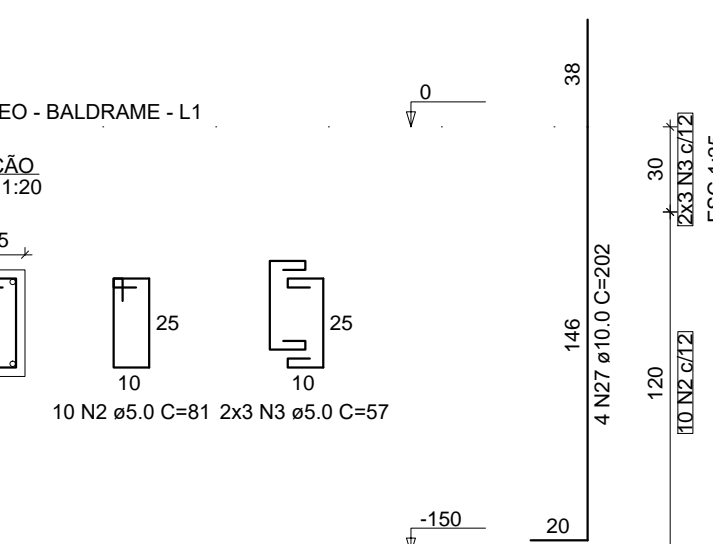
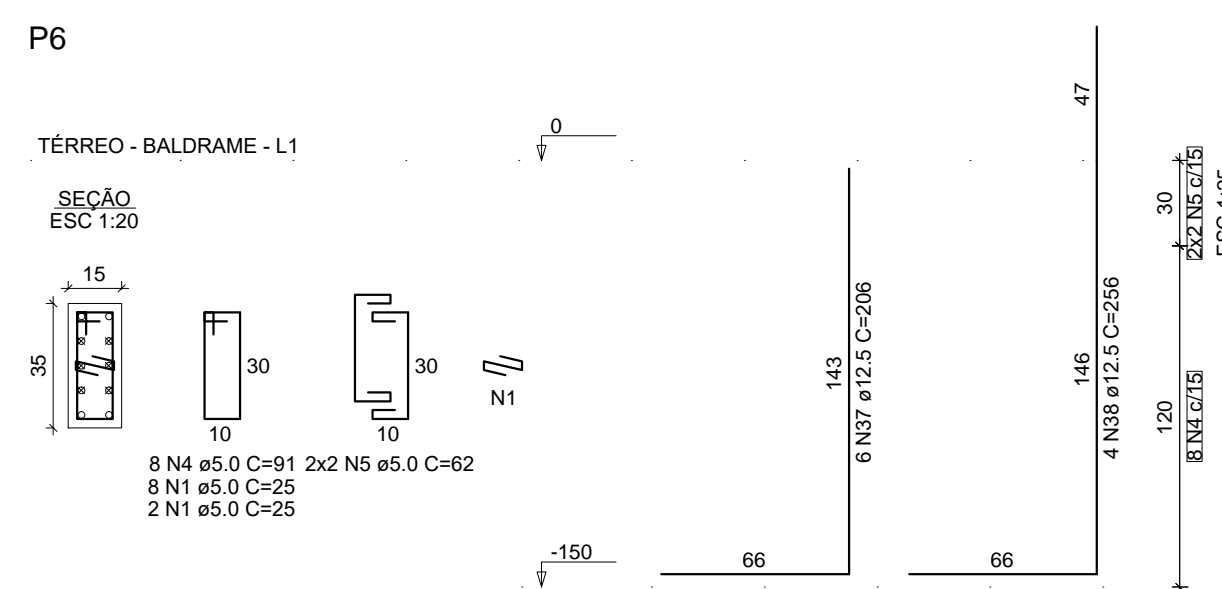
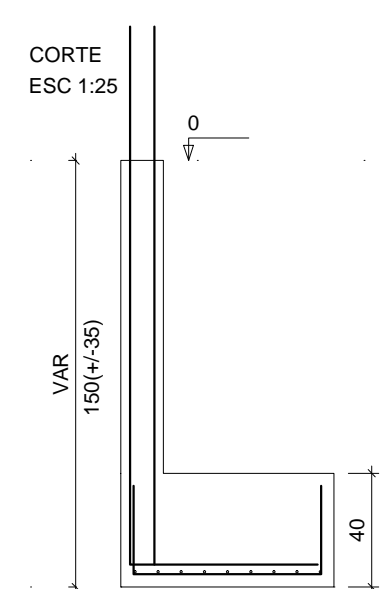
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



P4=P5=P9=P10=P11



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	20	25	500
	2	5.0	214	81	17334
	3	5.0	16	57	912
	4	5.0	16	91	1456
	5	5.0	8	62	496
	6	5.0	60	71	4260
	7	5.0	36	57	2052
CA50	8	6.3	70	85	5950
	9	6.3	8	75	600
	10	6.3	16	90	1440
	11	6.3	8	105	840
	12	8.0	6	89	534
	13	8.0	6	94	564
	14	8.0	11	124	1364
	15	8.0	9	144	1296
	16	8.0	2	583	1166
	17	8.0	4	609	2436
	18	8.0	2	591	1182
	19	8.0	2	446	892
	20	8.0	2	462	924
	21	8.0	1	227	227
	22	8.0	6	434	2604
	23	8.0	2	450	900
	24	8.0	2	175	350
	25	8.0	2	191	382
	26	10.0	4	233	932
	27	10.0	28	202	5656
	28	10.0	9	153	1377
	29	10.0	11	138	1518
	30	10.0	11	178	1958
	31	10.0	14	158	2212
	32	10.0	1	135	135
	33	10.0	2	444	888
	34	12.5	8	296	2368
	35	12.5	4	261	1044
	36	12.5	6	311	1866
	37	12.5	6	206	1236
	38	12.5	4	256	1024
	39	12.5	2	478	956

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	88.3	23.8
	8.0	148.2	64.3
	10.0	146.8	99.5
	12.5	84.9	90
CA60	5.0	270.1	45.8
PESO TOTAL (kg)			
CA50		277.6	
CA60		45.8	

Volume de concreto (C-25) = 4.54 m³
Área de forma = 48.39 m²

PREFEITURA MUNICIPAL DE GRÃO MOGOL/MG

AMPLIAÇÃO, REFORMA E ADEQUAÇÃO
ESCOLA DE ENSINO PRÉ-ESCOLAR TEREZINHA RODRIGUES PAULINO

PROJETO: PROJETO ESTRUTURAL

RESPONSÁVEL TÉCNICO: RODRIGO ROCHA RIBEIRO
ENGº CIVIL - CREA/MG: 221910/D

ÁREAS:
ÁREA TERRENO.....1.175,71m²
ÁREA EXISTENTE TERRENO.....326,24m²
ÁREA AMPLIAÇÃO TERRENO.....184,59m²
ÁREA AMPLIAÇÃO PAV. SUPERIOR.....364,35m²
ÁREA TOTAL CONSTRUÇÃO.....895,18m²

NÚMERO ART: MG 2022 1503869

DATA: SETEMBRO/2022

ESCALA: INDICADA

OBJETO: SL. DE RECURSO, SECRETARIA E RECEPÇÃO