

Forma do pavimento Laje
escala 1:50

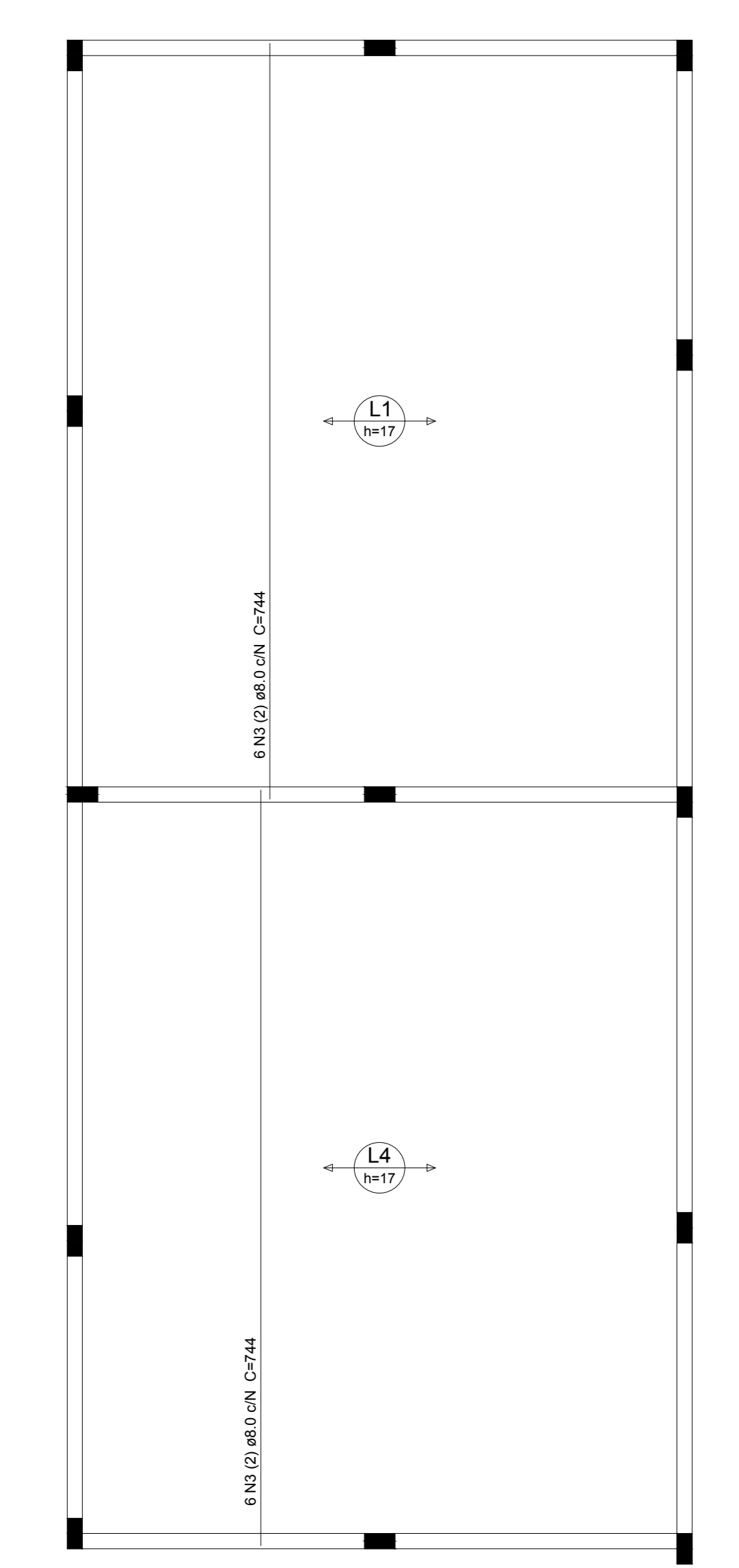
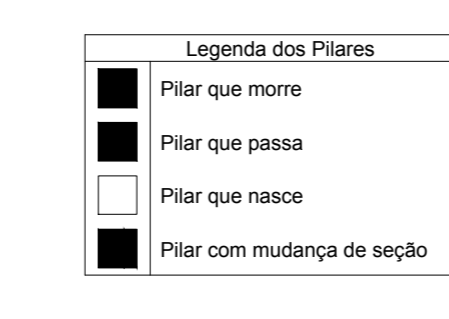
Nome	Seção	Elevação (cm)	Nível (cm)
V1	15x30	0	315
V2	15x30	0	315
V3	15x30	0	315
V4	15x30	0	315
V5	15x30	0	315
V6	15x30	0	315
V7	15x30	0	315
V8	15x30	0	315
V9	15x30	0	315
V10	15x30	0	315

Lajes				Sobrecarga (kg/m²)		
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kg/m²)	Adicional Acidental Localizada
L1	Treliçada TD	17	0	315	193	0
L2	Treliçada TD	17	0	315	193	0
L3	Treliçada TD	17	0	315	193	0
L4	Treliçada TD	17	0	315	193	0

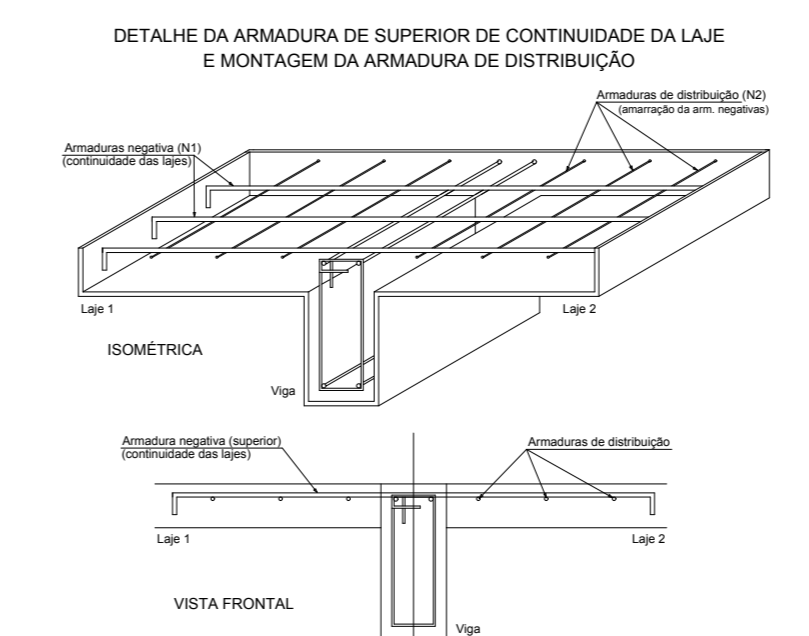
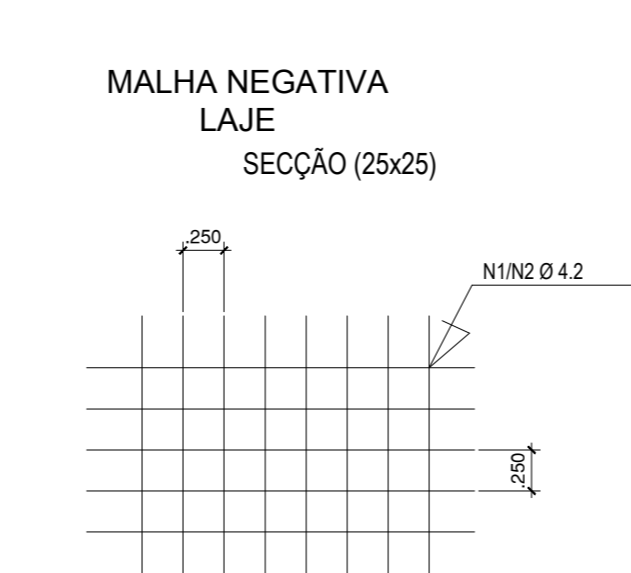
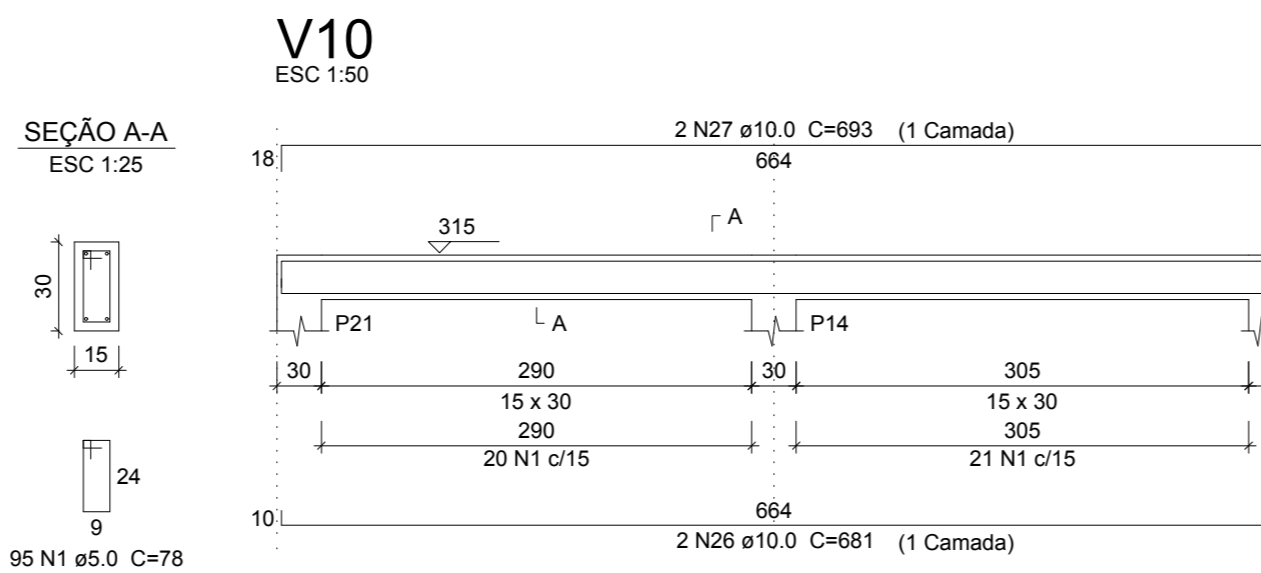
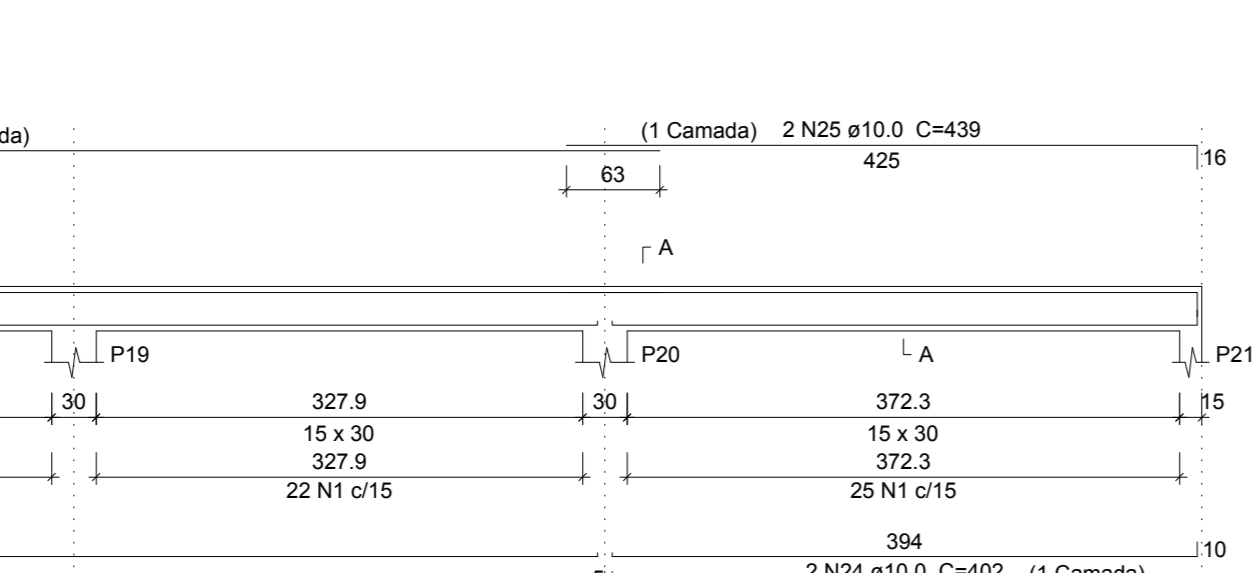
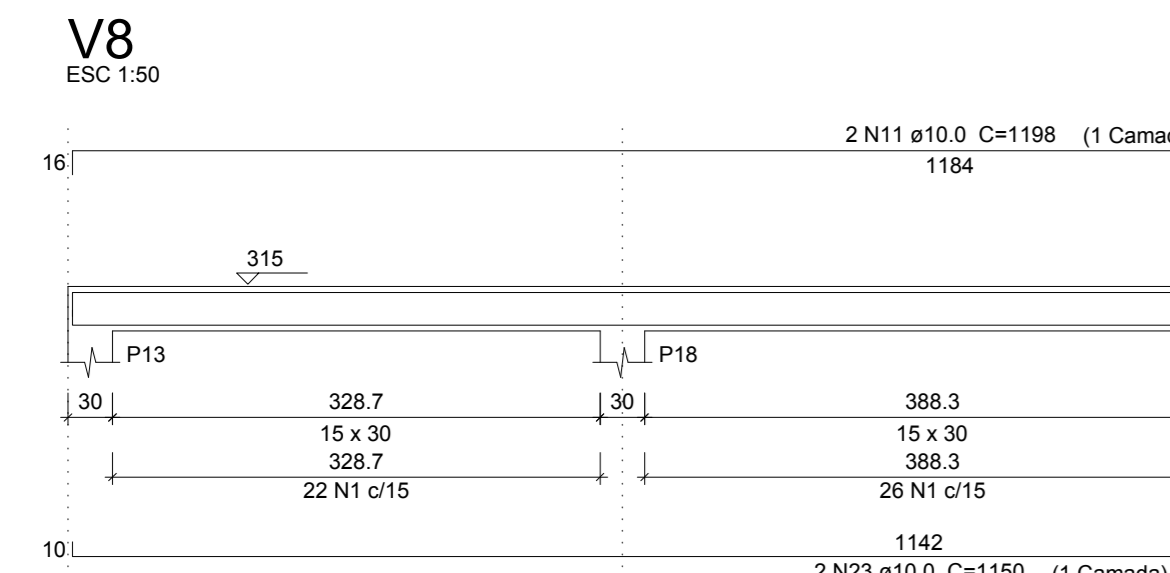
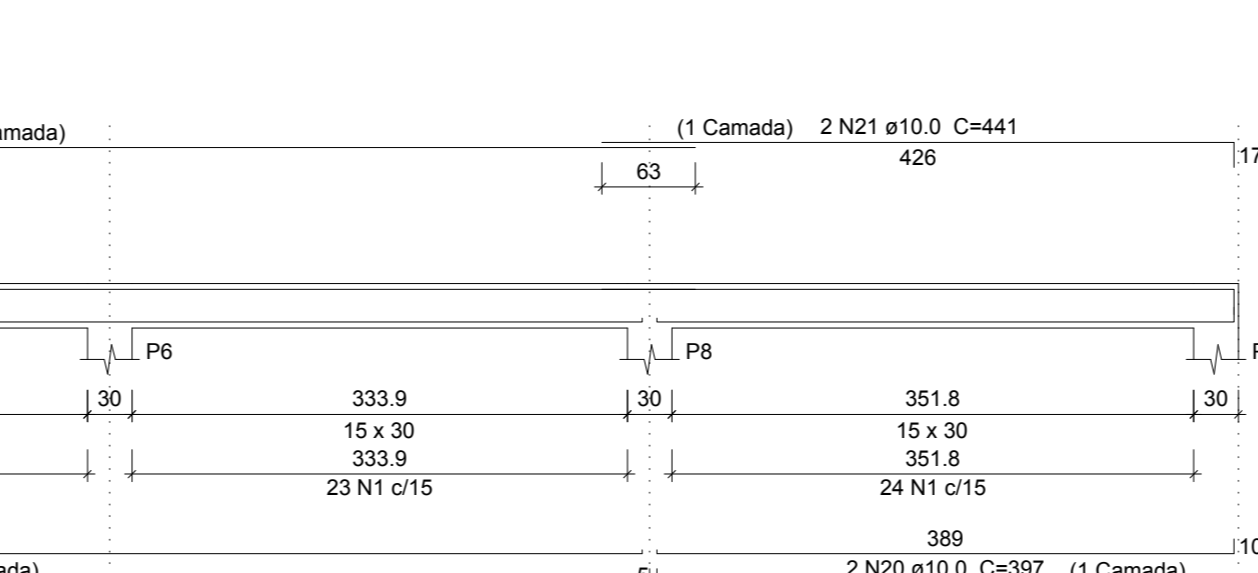
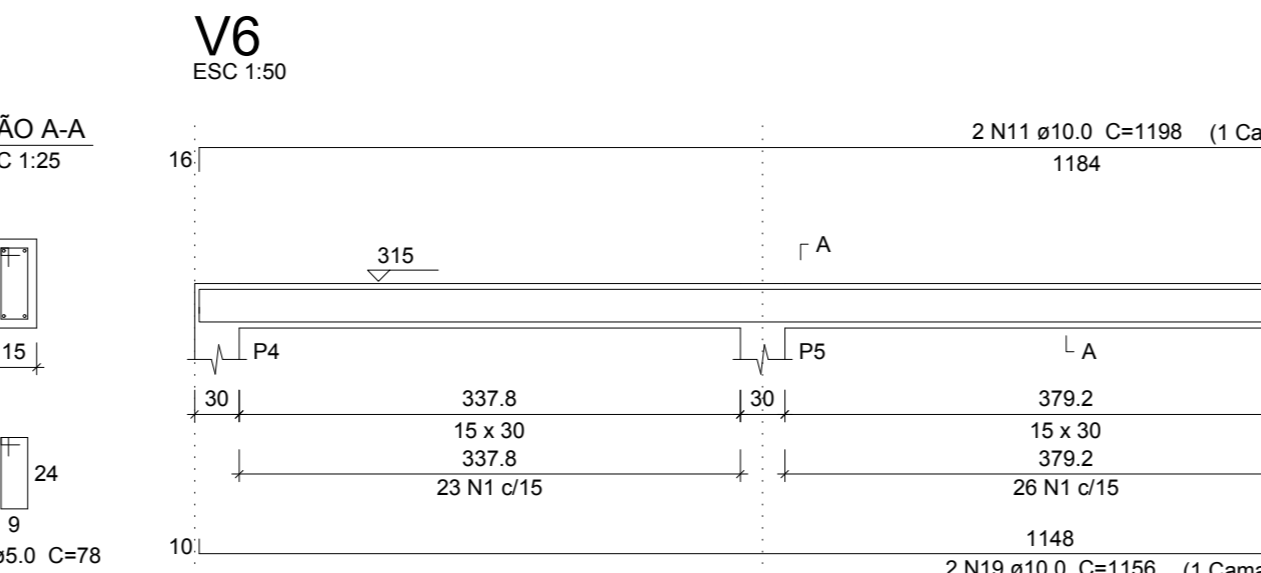
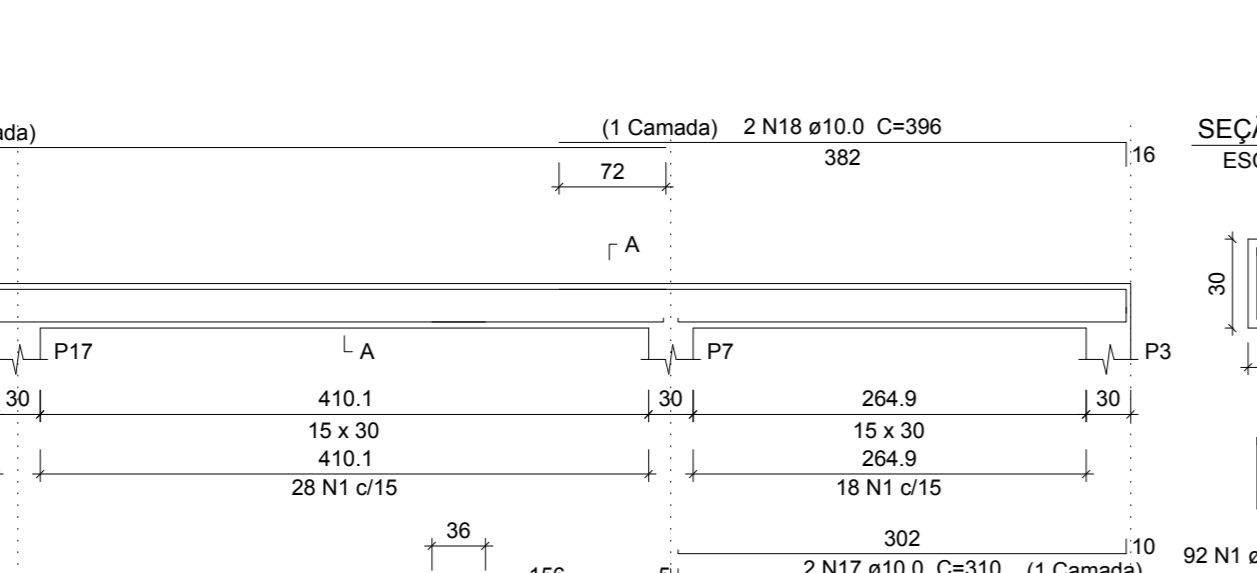
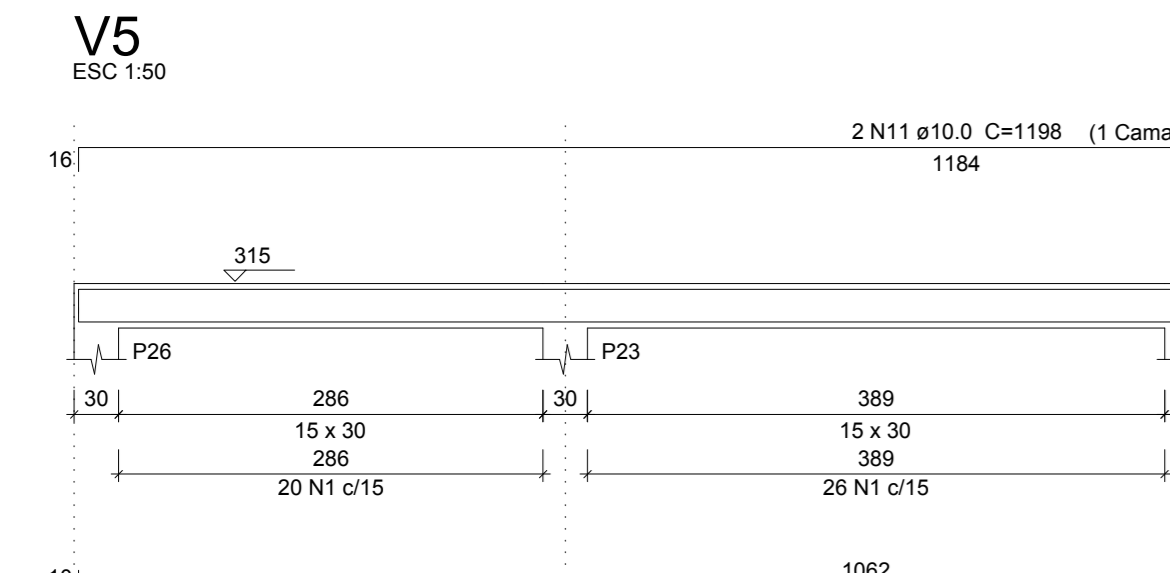
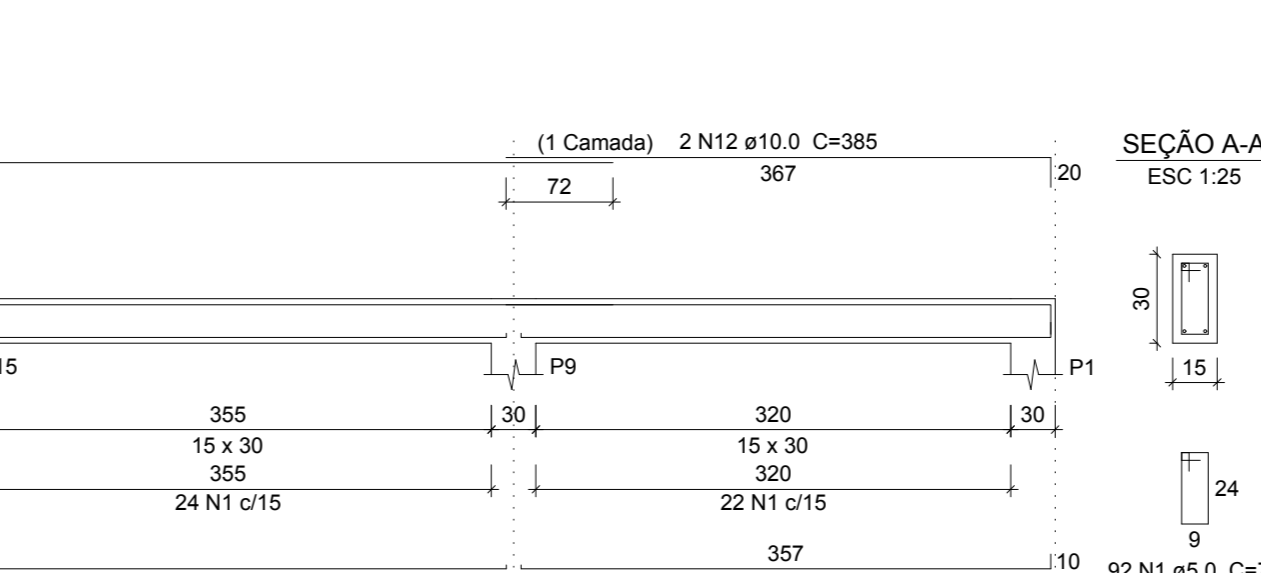
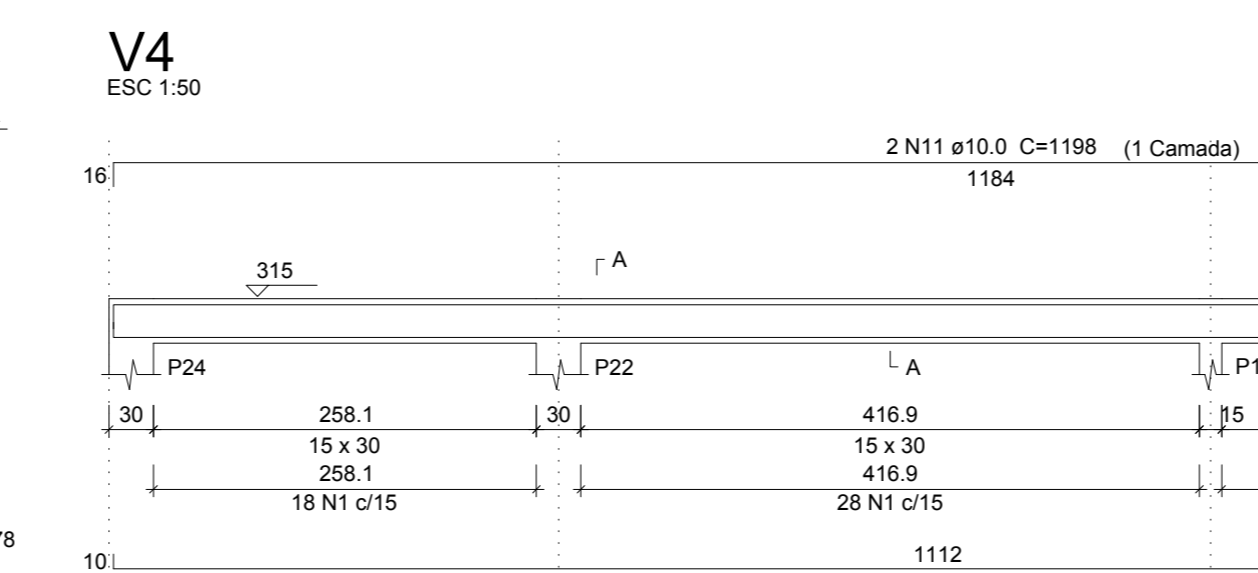
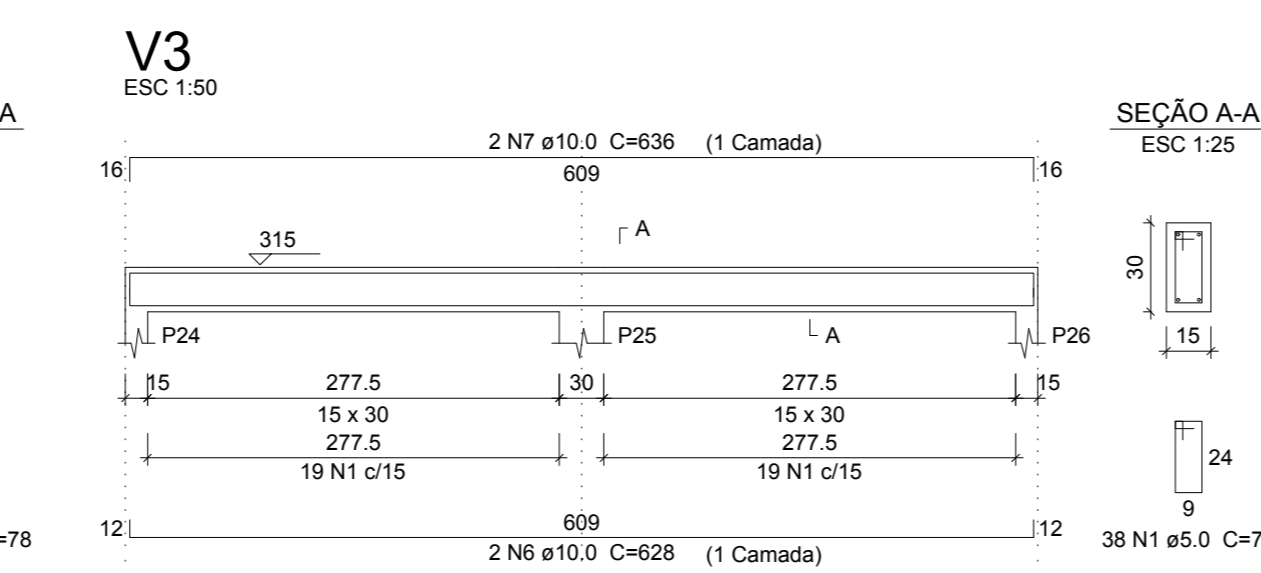
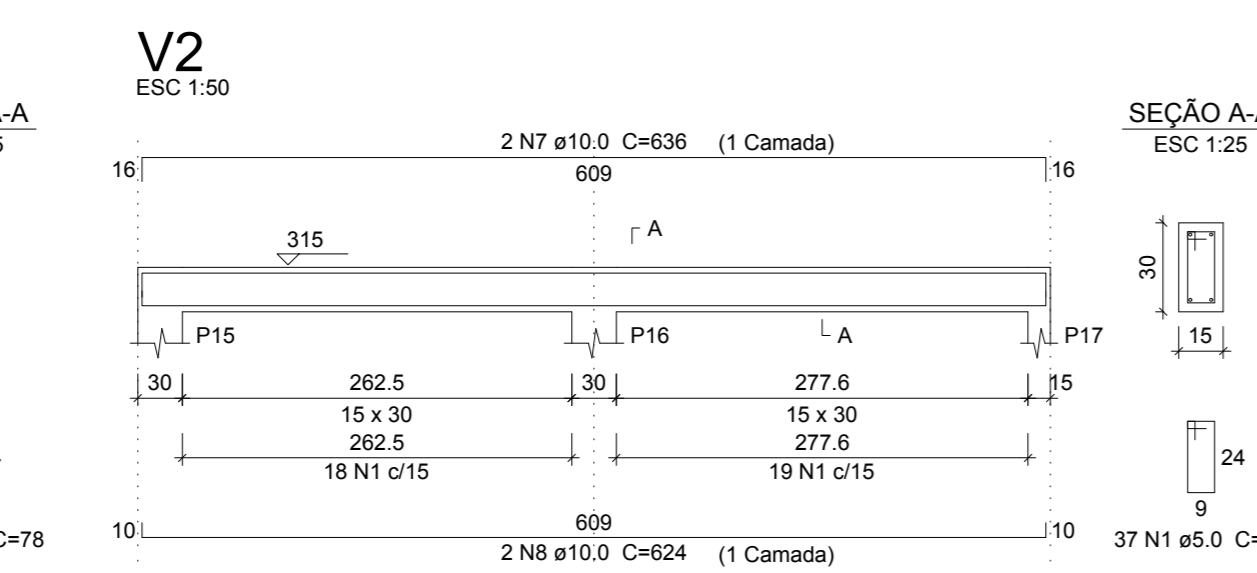
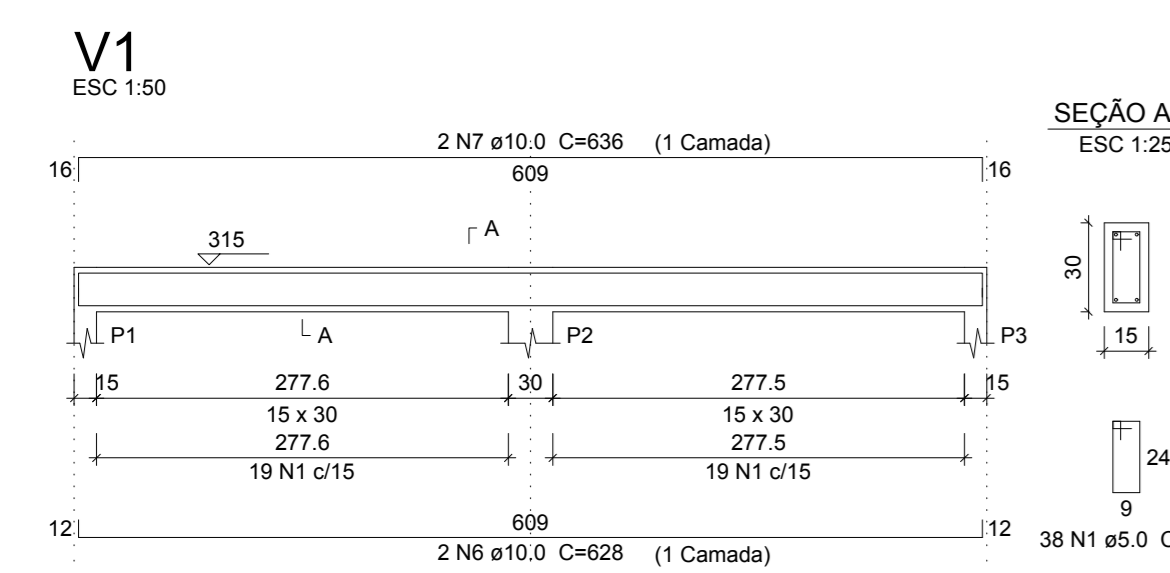
Características dos materiais		
f _{ck} (kgf/cm²)	f _{td} (kgf/cm²)	Abatimento (cm)
20	1.120,00	5,00

Dimensão máxima do agregado = 19 mm

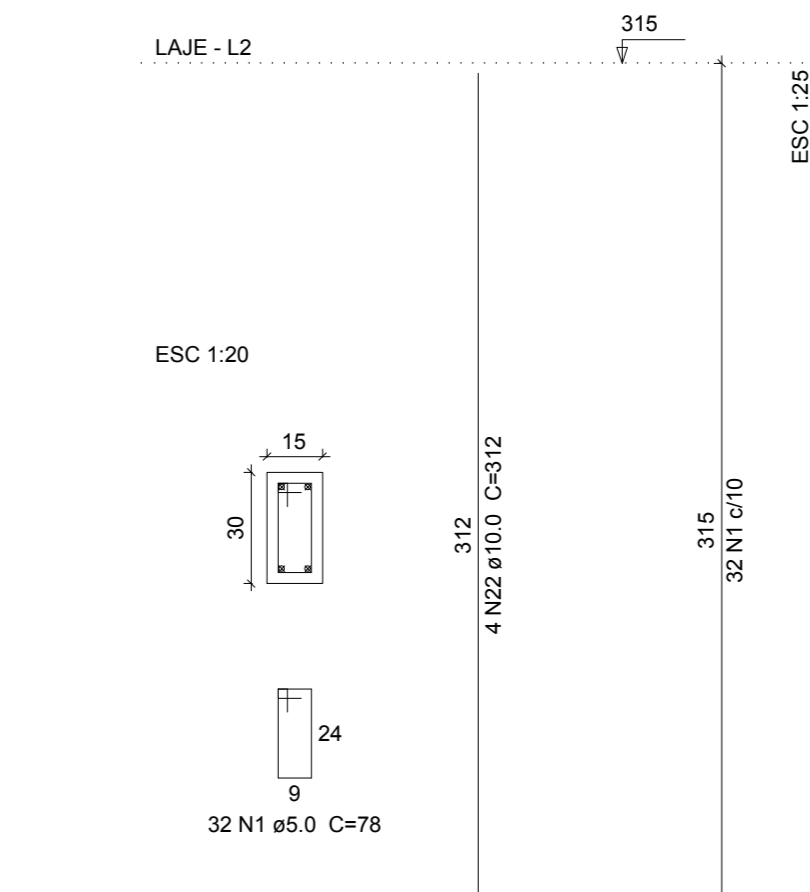
Pilares			
Nome	Seção	Elevação (cm)	Nível (cm)
P1	15x30	0	315
P2	15x30	0	315
P3	15x30	0	315
P4	15x30	0	315
P5	15x30	0	315
P6	15x30	0	315
P7	15x30	0	315
P8	15x30	0	315
P9	15x30	0	315
P10	15x30	0	315
P11	15x30	0	315
P12	15x30	0	315
P13	15x30	0	315
P14	15x30	0	315
P15	15x30	0	315
P16	15x30	0	315
P17	15x30	0	315
P18	15x30	0	315
P19	15x30	0	315
P20	15x30	0	315
P21	15x30	0	315
P22	15x30	0	315
P23	15x30	0	315
P24	15x30	0	315
P25	15x30	0	315
P26	15x30	0	315



Armação positiva das lajes do pavimento Laje
escala 1:50



P1=P2=P3=P4=P5=P6=P7=P8=P9=P10=P11=P12
=P13=P14=P15=P16=P17=P18=P19=P20=P21
=P22=P23=P24=P25=P26



Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C TOTAL (cm)
CA50	1	5.0	1442	74	112710
CA50	2	5.0	32	VAR	VAR
CA50	3	8.0	12	744	8928
CA50	4	8.0	6	VAR	VAR
CA50	5	8.0	6	VAR	VAR
CA50	6	10.0	4	628	2512
CA50	7	10.0	6	636	3816
CA50	8	10.0	2	624	1248
CA50	9	10.0	2	1120	2240
CA50	10	10.0	2	365	730
CA50	11	10.0	6	1198	6588
CA50	12	10.0	2	385	770
CA50	13	10.0	4	683	2732
CA50	14	10.0	4	691	2764
CA50	15	10.0	2	1070	2140
CA50	16	10.0	2	157	314
CA50	17	10.0	2	310	620
CA50	18	10.0	2	396	792
CA50	19	10.0	2	1156	2312
CA50	20	10.0	2	397	794
CA50	21	10.0	2	441	882
CA50	22	10.0	104	312	32448
CA50	23	10.0	2	1150	2300
CA50	24	10.0	2	402	804
CA50	25	10.0	2	439	878
CA50	26	10.0	2	681	1362
CA50	27	10.0	2	693	1386

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (cm)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	5.0	182.7	17	76.3
CA50	10.0	734.3	68	498
CA50	5.0	1339.6	123	227.1
PESO TOTAL (kg)				577.3
CA50				227.1

Volume de concreto (C=25) = 20.86 m³
Área de forma = 148.3 m²

PROJETO ESTRUTURAL
Escola Municipal Professor Humberto Jacinto Pereira

PREFEITURA DE MORRINHOS
ASSESSORIA DE PLANEJAMENTO E COORDENAÇÃO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE MORRINHOS

ENDEREÇO: Lote 13/14, Av. Central, Morrinhos - GO, 75650-000

REVISÃO: 01

CONTRATO: VIGAS PILARES

ÁREA DO TERRENO: DATA: SETEMBRO/2021

ESCALA: INDICADA

INDICADA

1/2