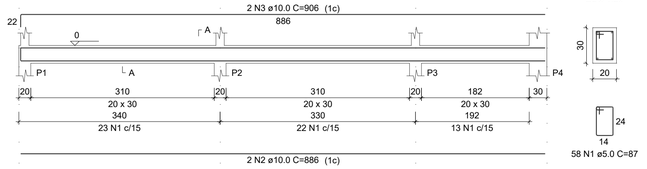
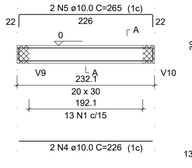
V1
ESC 1:50

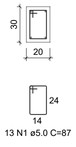


SEÇÃO A-A
ESC 1:25

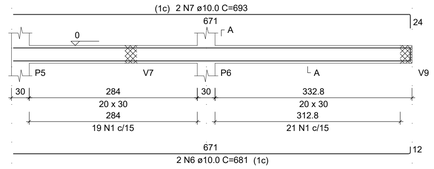
V2
ESC 1:50



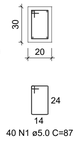
SEÇÃO A-A
ESC 1:25



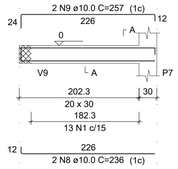
V3
ESC 1:50



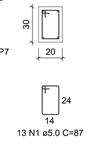
SEÇÃO A-A
ESC 1:25



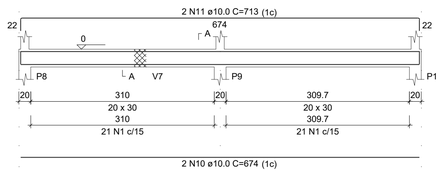
V4
ESC 1:50



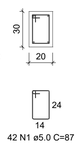
SEÇÃO A-A
ESC 1:25



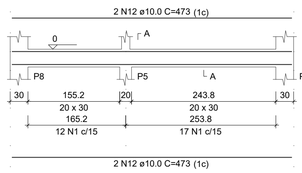
V5
ESC 1:50



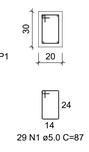
SEÇÃO A-A
ESC 1:25



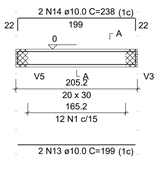
V6
ESC 1:50



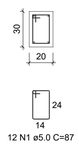
SEÇÃO A-A
ESC 1:25



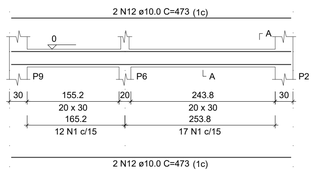
V7
ESC 1:50



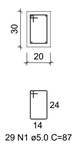
SEÇÃO A-A
ESC 1:25



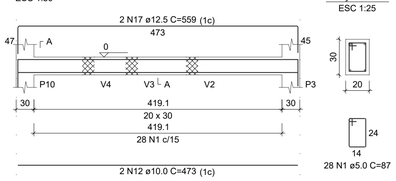
V8
ESC 1:50



SEÇÃO A-A
ESC 1:25

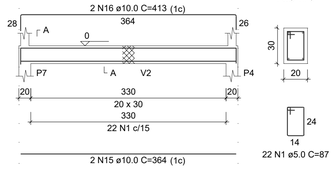


V9
ESC 1:50



SEÇÃO A-A
ESC 1:25

V10
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10

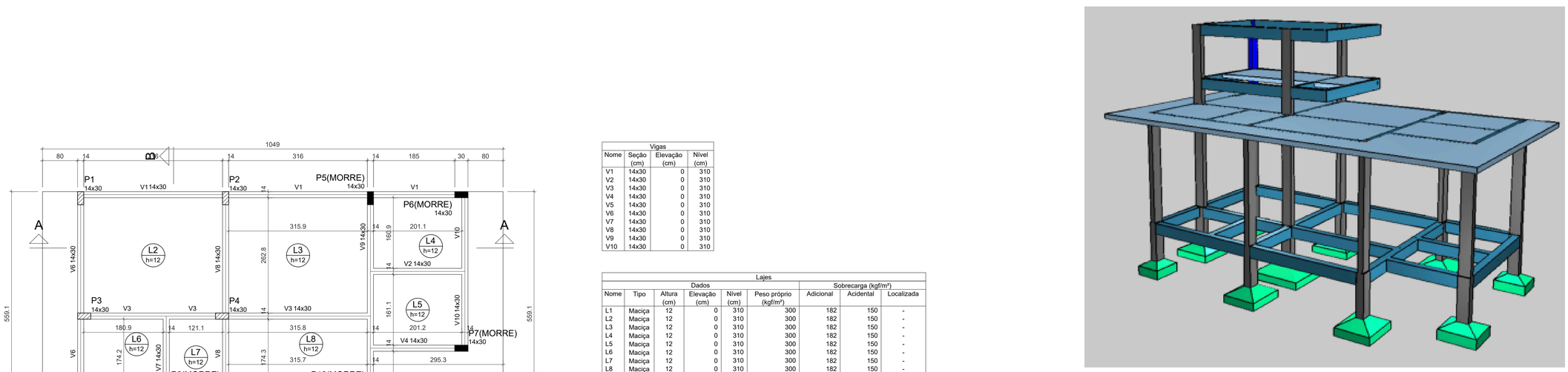
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	286	87	24882
CA50	2	10.0	2	886	1772
	3	10.0	2	906	1812
	4	10.0	2	226	452
	5	10.0	2	265	530
	6	10.0	2	681	1362
	7	10.0	2	693	1386
	8	10.0	2	236	472
	9	10.0	2	257	514
	10	10.0	2	674	1348
	11	10.0	2	713	1426
	12	10.0	10	473	4730
	13	10.0	2	199	398
	14	10.0	2	238	476
	15	10.0	2	364	728
	16	10.0	2	413	826
	17	12.5	2	559	1118

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	182.3	112.4
	12.5	11.2	10.8
CA60	5.0	248.8	38.4

PESO TOTAL (kg)	
CA50	123.2
CA60	38.4

Volume de concreto (C-25) = 2.54 m³
Área de forma = 33.96 m²



Forma do pavimento Pavimento 1 (Nível 310)

escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	14x30	0	310
V2	14x30	0	310
V3	14x30	0	310
V4	14x30	0	310
V5	14x30	0	310
V6	14x30	0	310
V7	14x30	0	310
V8	14x30	0	310
V9	14x30	0	310
V10	14x30	0	310

Lajes								
		Dados				Sobrecarga (kgf/m²)		
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Acidental	Localizada
L1	Maciça	12	0	310	300	182	150	-
L2	Maciça	12	0	310	300	182	150	-
L3	Maciça	12	0	310	300	182	150	-
L4	Maciça	12	0	310	300	182	150	-
L5	Maciça	12	0	310	300	182	150	-
L6	Maciça	12	0	310	300	182	150	-
L7	Maciça	12	0	310	300	182	150	-
L8	Maciça	12	0	310	300	182	150	-

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14x30	0	310
P2	14x30	0	310
P3	14x30	0	310
P4	14x30	0	310
P5	14x30	0	310
P6	14x30	0	310
P7	14x30	0	310
P8	14x30	0	310
P9	14x30	0	310
P10	14x30	0	310

Legenda dos pilares
Pilar que morre
Pilar que passa

Legenda das vigas e paredes
Viga

PROJETO ESTRUTURAL

DATA: JAN/26

BANHEIROS

BALDRAMES E FORMA DO PAVIMENTO 1

RESP. TÉC.: LUIZ PAULO DE CARVALHO LOPES
CREA 133.888/D- MG

PREFEITURA MUNICIPAL DE CAPITÃO ANDRADE
CNPJ: 66.229.105/0001-25

ÁREA: 42,72 m²

END: RUA JOSÉ DE ESTEVÃO DE BARROS, S/N - CENTRO - CAPITÃO ANDRADE/MG

folha 03/05