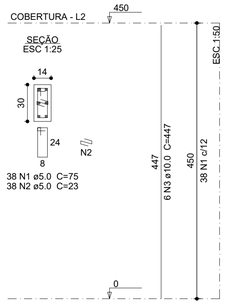
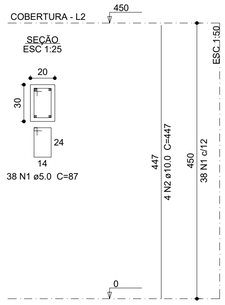
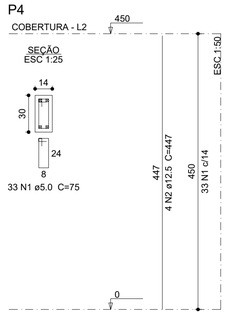
P1=P8=P11



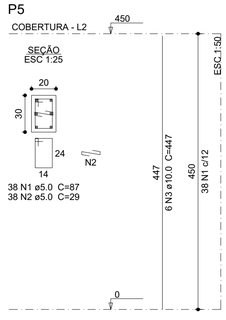
P2=P3=P6=P10



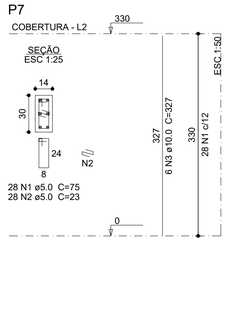
P4



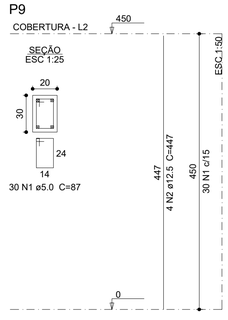
P5



P7



P9



Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
3xP1	CA60	1	5.0	114	75	8550
	CA60	2	5.0	114	23	2622
	CA50	3	10.0	18	447	8046
4xP2	CA60	1	5.0	152	87	13224
	CA50	2	10.0	16	447	7152
P4	CA60	1	5.0	33	75	2475
	CA50	2	12.5	4	447	1788
P5	CA60	1	5.0	38	87	3306
	CA60	2	5.0	38	29	1102
	CA50	3	10.0	6	447	2682
P7	CA60	1	5.0	28	75	2100
	CA60	2	5.0	28	23	644
	CA50	3	10.0	6	327	1962
P9	CA60	1	5.0	30	87	2610
	CA50	2	12.5	4	447	1788

Resumo do aço

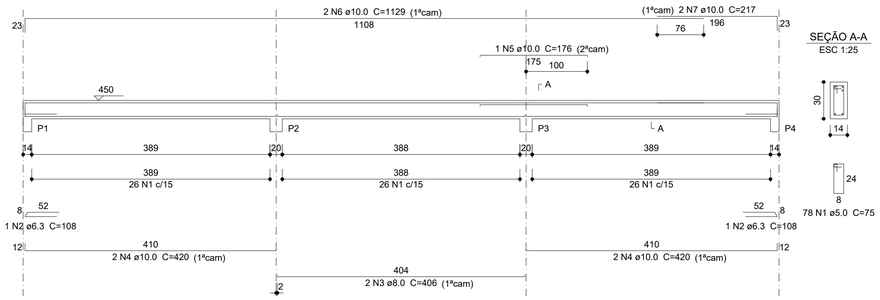
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	UNIT	PESO (kg)
CA50	10.0	198.5	17	12 m	122.3
	12.5	35.8	3	12 m	34.4
CA60	5.0	366.4	-	rolo (170 kg)	56.5

PESO TOTAL (kg)	
CA50	156.8
CA60	56.5

Volume de concreto (C-25) = 2.51 m³
Área de forma = 45.74 m²

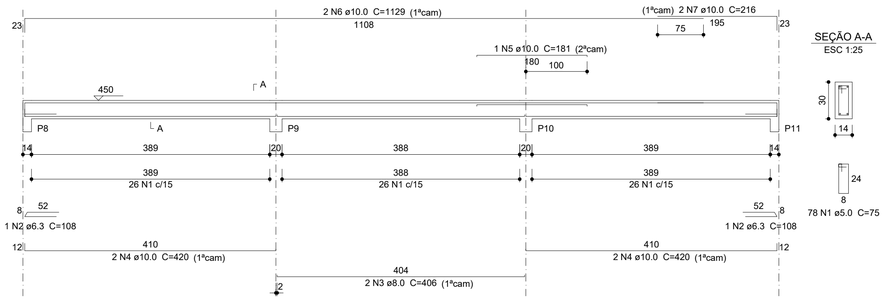
V1

ESC 1:50



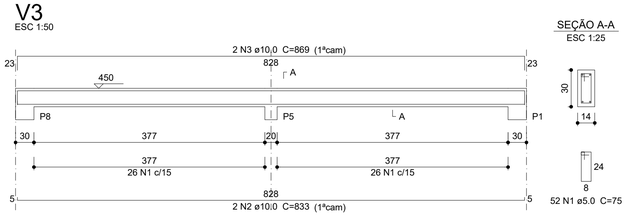
V2

ESC 1:50



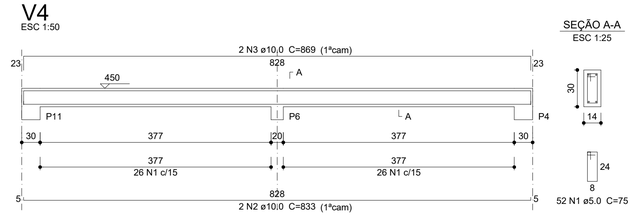
V3

ESC 1:50



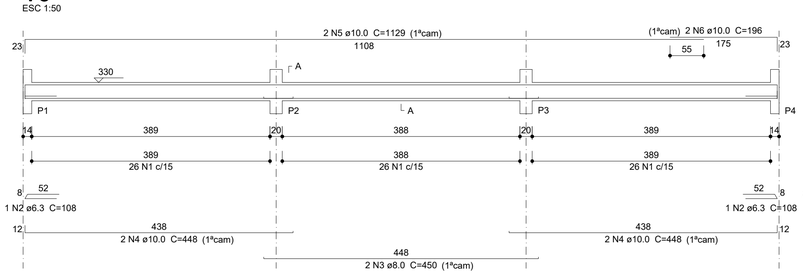
V4

ESC 1:50



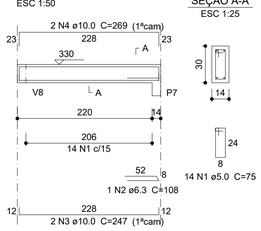
V5

ESC 1:50



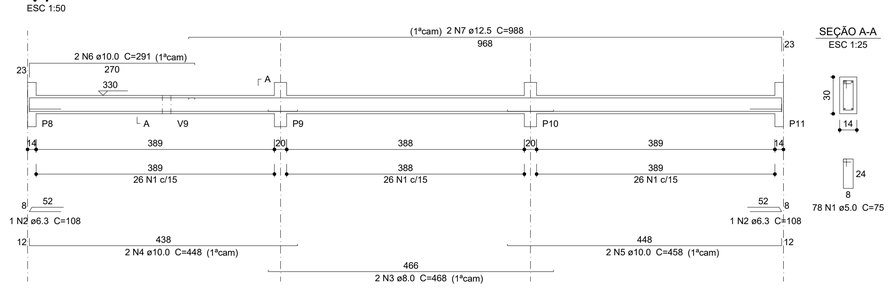
V6

ESC 1:50



V7

ESC 1:50



Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	CA60	1	5.0	78	75	5850
	CA50	2	6.3	2	108	216
	CA50	3	8.0	2	406	812
	CA50	4	10.0	4	420	1680
	CA50	5	10.0	1	176	176
	CA50	6	10.0	2	1129	2258
	CA50	7	10.0	2	217	434
V2	CA60	1	5.0	78	75	5850
	CA50	2	6.3	2	108	216
	CA50	3	8.0	2	406	812
	CA50	4	10.0	4	420	1680
	CA50	5	10.0	1	181	181
	CA50	6	10.0	2	1129	2258
	CA50	7	10.0	2	216	432
V3	CA60	1	5.0	52	75	3900
	CA50	2	10.0	2	833	1666
	CA50	3	10.0	2	869	1738
V4	CA60	1	5.0	52	75	3900
	CA50	2	10.0	2	833	1666
	CA50	3	10.0	2	869	1738
V5	CA60	1	5.0	78	75	5850
	CA50	2	6.3	2	108	216
	CA50	3	8.0	2	450	900
	CA50	4	10.0	4	448	1792
	CA50	5	10.0	2	1129	2258
	CA50	6	10.0	2	196	392
V6	CA60	1	5.0	14	75	1050
	CA50	2	6.3	1	108	108
	CA50	3	10.0	2	247	494
	CA50	4	10.0	2	269	538
V7	CA60	1	5.0	78	75	5850
	CA50	2	6.3	2	108	216
	CA50	3	8.0	2	468	936
	CA50	4	10.0	2	448	896
	CA50	5	10.0	2	458	916
	CA50	6	10.0	2	291	582
	CA50	7	12.5	2	988	1976
V8	CA60	1	5.0	52	75	3900
	CA50	2	8.0	2	456	912
	CA50	3	10.0	2	455	910
	CA50	4	12.5	2	868	1736
V9	CA60	1	5.0	13	75	975
	CA50	2	10.0	2	240	480
	CA50	3	10.0	2	269	538
V10	CA60	1	5.0	52	75	3900
	CA50	2	8.0	2	834	1668
	CA50	3	10.0	2	869	1738

Resumo do aço

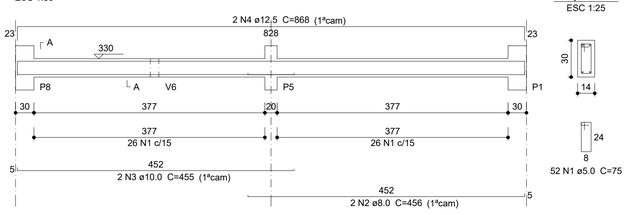
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	UNIT	PESO (kg)
CA50	6.3	9.8	1	12 m	2.4
	8.0	60.4	6	12 m	23.8
	10.0	274.5	23	12 m	169.2
	12.5	37.2	4	12 m	35.8
CA60	5.0	410.3	-	rolo (170 kg)	63.2

PESO TOTAL (kg)	
CA50	231.2
CA60	63.2

Volume de concreto (C-25) = 3.39 m³
Área de forma = 58.89 m²

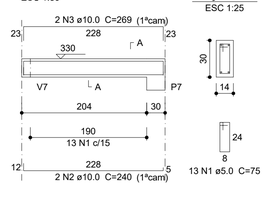
V8

ESC 1:50



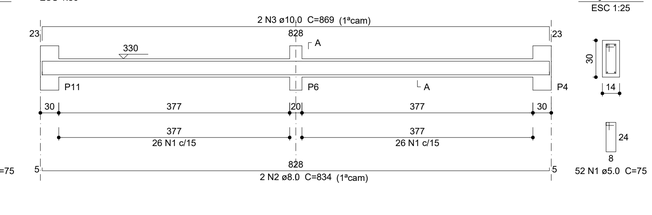
V9

ESC 1:50



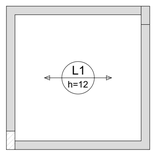
V10

ESC 1:50



ANA PAULA MOTA ALVES:01395447632
Assinado de forma digital por ANA PAULA MOTA ALVES:01395447632
Dados: 2026.09.23 10:04:17 -03'00'

ÁREA À CONSTRUIR = 91,38 m²

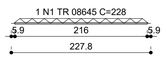


Armação positiva das lajes do pavimento COBERTURA
escala 1:50



Planta de vigotas pré-moldadas
escala 1:50

VT1a (5 unidades)
(L1)
ESC 1:50



PROJETO DE ESTRUTURA EM CONCRETO ARMADO	PROPRIETÁRIO: MUNICÍPIO DE SÃO JOSÉ DO ALEGRE
OBRA: Construção do Galpão de Beneficiamento de Café	LOCAL: RODOVIA MG 347 - SECRETARIA DE AGRICULTURA SÃO JOSÉ DO ALEGRE - MG
CONTEÚDO: NÍVEL COBERTURA; DETALHES PILARES, VIGAS E LAJES	DATA: MAIO DE 2025 — FOLHA: 5/5 — REVISÃO: n.º 00
RESPONSÁVEL TÉCNICO: ENG. CIVIL ANA PAULA MOTA ALVES; CREA SP 5062224000 VISTO MG 22220	AMASP