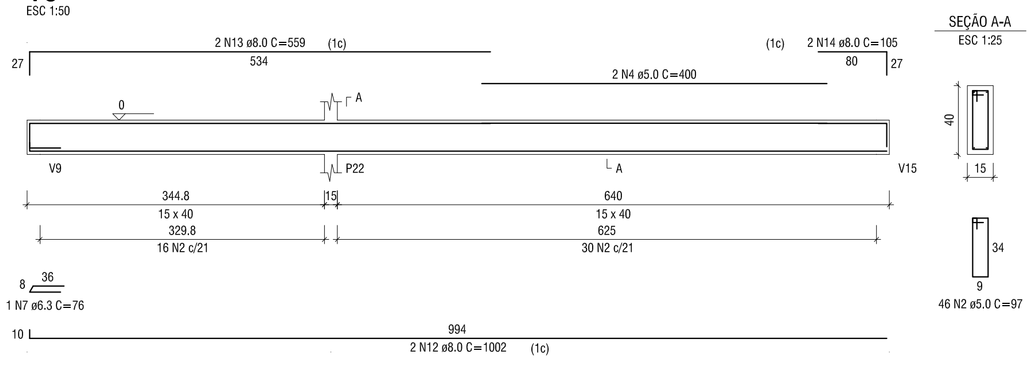
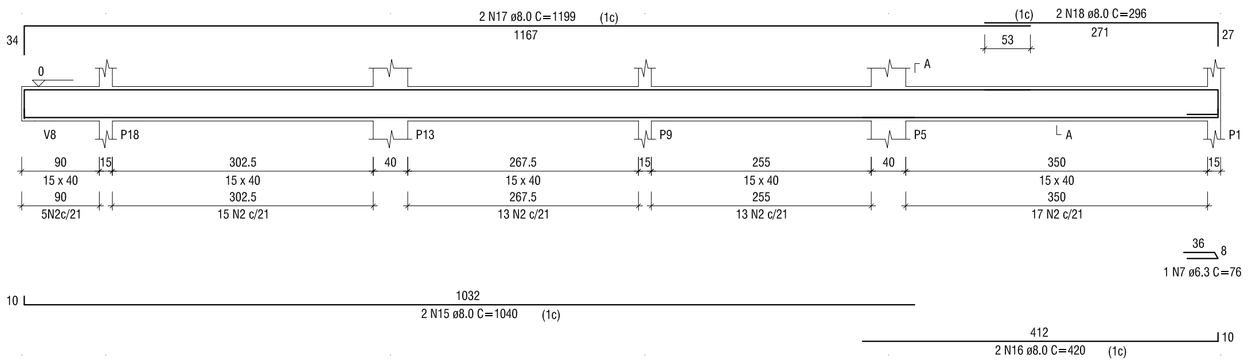
V8
ESC 1:50

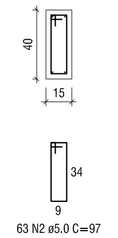


SEÇÃO A-A
ESC 1:25

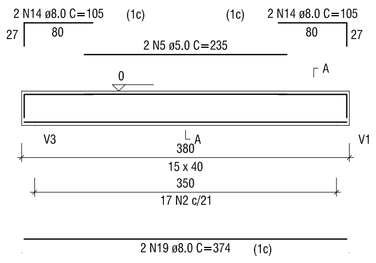
V9
ESC 1:50



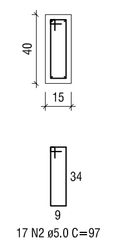
SEÇÃO A-A
ESC 1:25



V10
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

2xP1-L2
P6-L2
V1-L2
V10-L1
V13-L1
10xP2-L2
7xP7-L2
V8-L1
V11-L1
V14-L1
P4-L2
P9-L2
V9-L1
V12-L1
V15-L1

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	572	24	13728
	2	5.0	848	97	82256
	3	5.0	176	64	11264
	4	5.0	2	400	800
	5	5.0	2	235	470
	6	5.0	2	230	460
CA50	7	6.3	2	76	152
	8	8.0	2	474	948
	9	8.0	2	210	420
	10	8.0	1	165	165
	11	8.0	2	1019	2038
	12	8.0	2	1002	2004
	13	8.0	2	559	1118
	14	8.0	8	105	840
	15	8.0	2	1040	2080
	16	8.0	2	420	840
	17	8.0	4	1199	4796
	18	8.0	2	296	592
	19	8.0	4	374	1496
	20	8.0	2	1045	2090
	21	8.0	4	400	1600
	22	8.0	2	1200	2400
	23	8.0	2	237	474
	24	8.0	2	964	1928
	25	8.0	2	989	1978
	26	8.0	2	339	678
	27	8.0	2	389	778
	28	8.0	2	110	220
	29	8.0	2	1053	2106
	30	8.0	2	270	540
	31	10.0	16	75	1200
	32	10.0	90	338	30420
	33	10.0	46	297	13662
	34	10.0	2	499	998

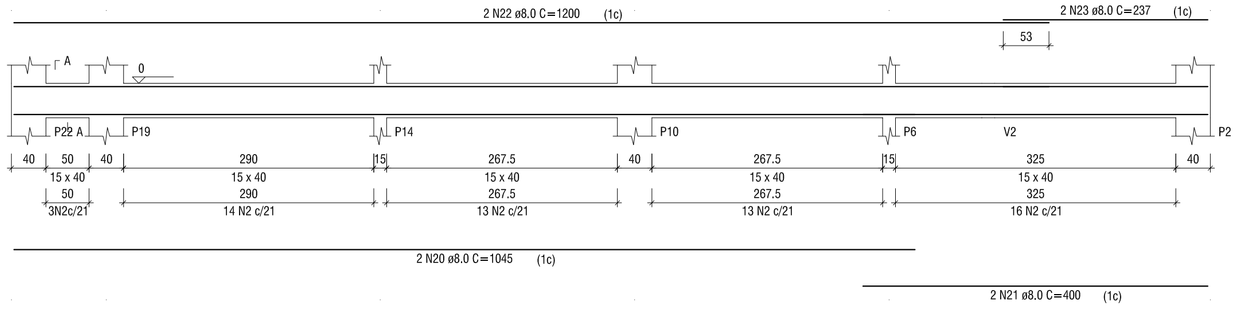
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 5% (Barras)	UNIT	PESO + 5% (kg)
CA50	6.3	1.5	1	12 m	0.4
	8.0	321.3	29	12 m	133.1
	10.0	462.8	41	12 m	299.6
CA60	5.0	1088.8	96	12 m	176.4

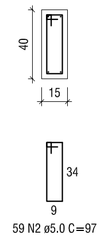
PESO TOTAL (kg)	
CA50	433.1
CA60	176.4

Volume de concreto (C-25) - vigas baldrames = 4,28 m³
Área de forma - vigas baldrames = 68,86 m²
Volume de concreto (C-25) - pilares = 4,0 m³
Área de forma - pilares = 72,6 m²
Volume de concreto (C-25) - vigas = 0,63 m³
Área de forma - vigas = 9,47 m²

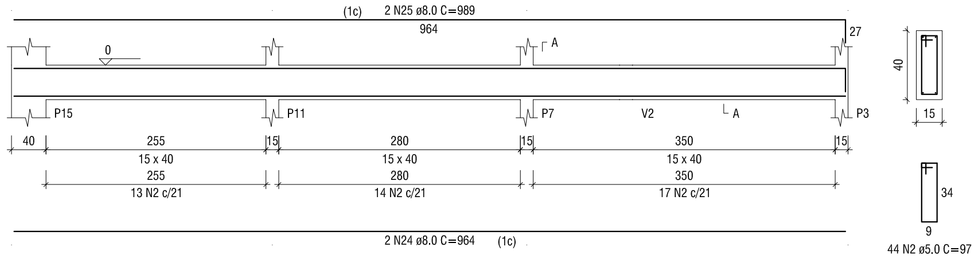
V11
ESC 1:50



SEÇÃO A-A
ESC 1:25

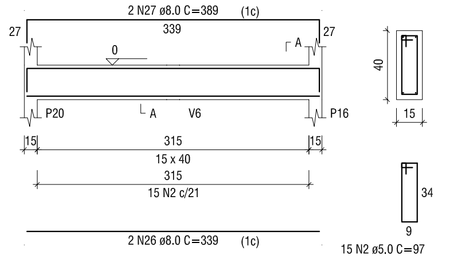


V12
ESC 1:50

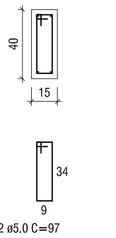


SEÇÃO A-A
ESC 1:25

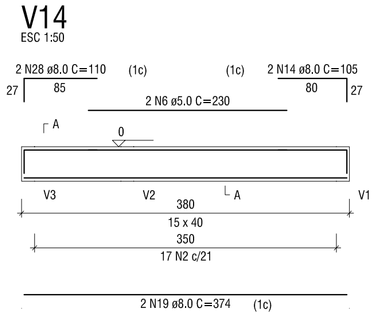
V13
ESC 1:50



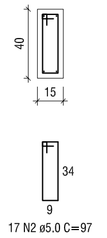
SEÇÃO A-A
ESC 1:25



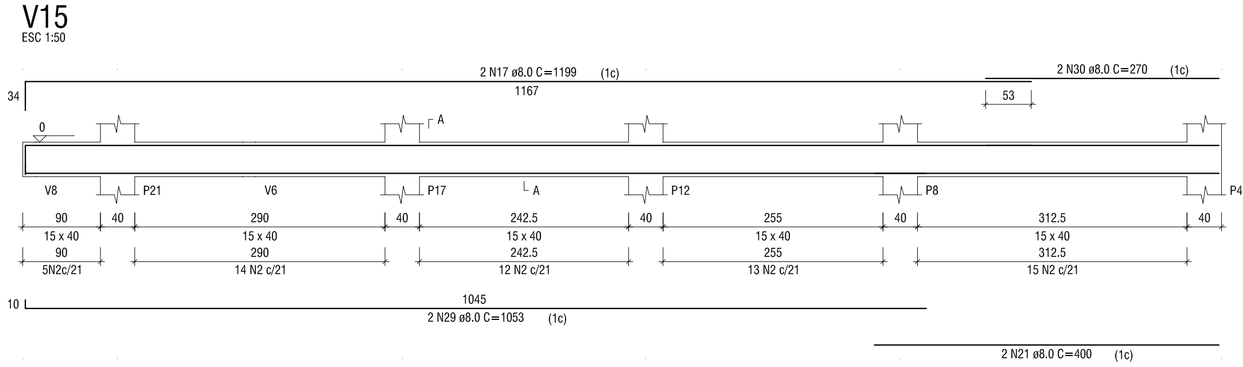
V14
ESC 1:50



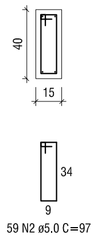
SEÇÃO A-A
ESC 1:25



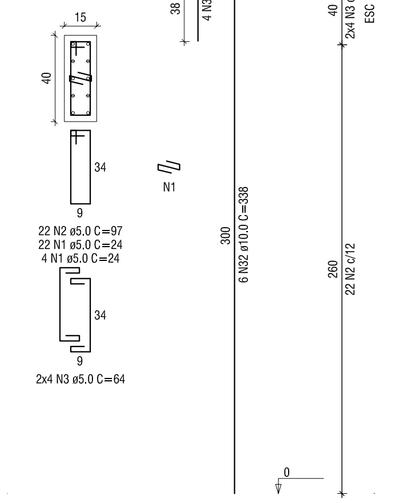
V15
ESC 1:50



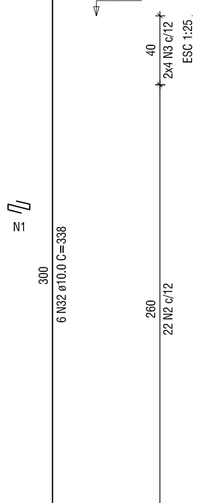
SEÇÃO A-A
ESC 1:25



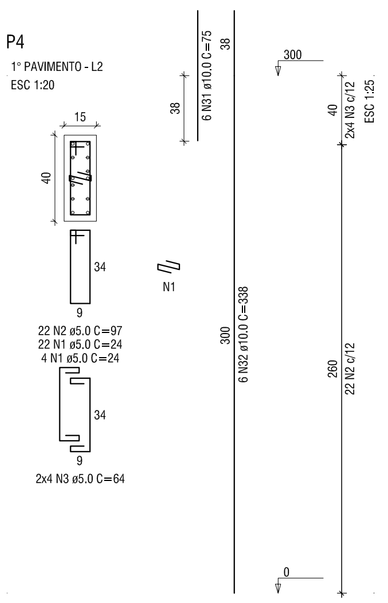
P1=P5
1° PAVIMENTO - L2
ESC 1:20



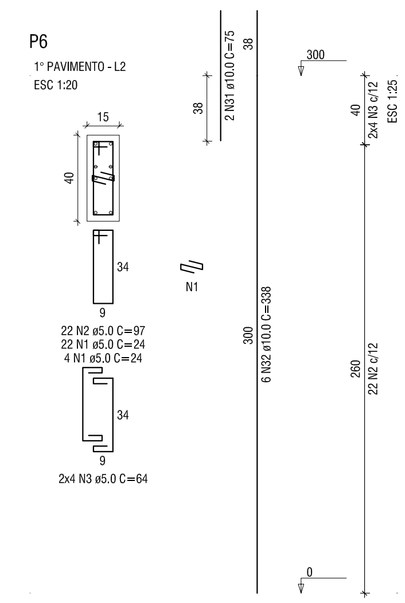
P2=P3=P9=P12=P13=P17=P18=P19=
=P20=P21
1° PAVIMENTO - L2
ESC 1:20



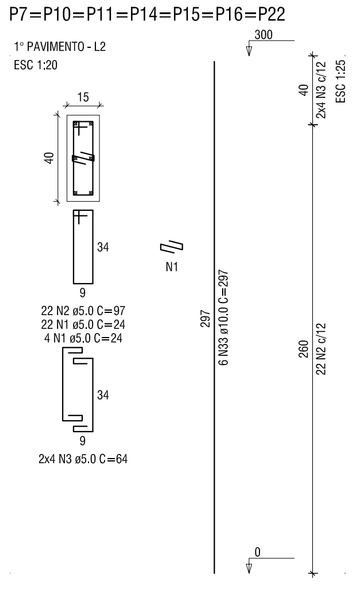
P4
1° PAVIMENTO - L2
ESC 1:20



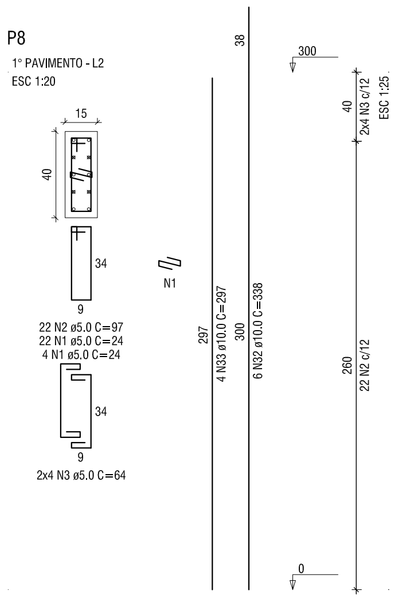
P6
1° PAVIMENTO - L2
ESC 1:20



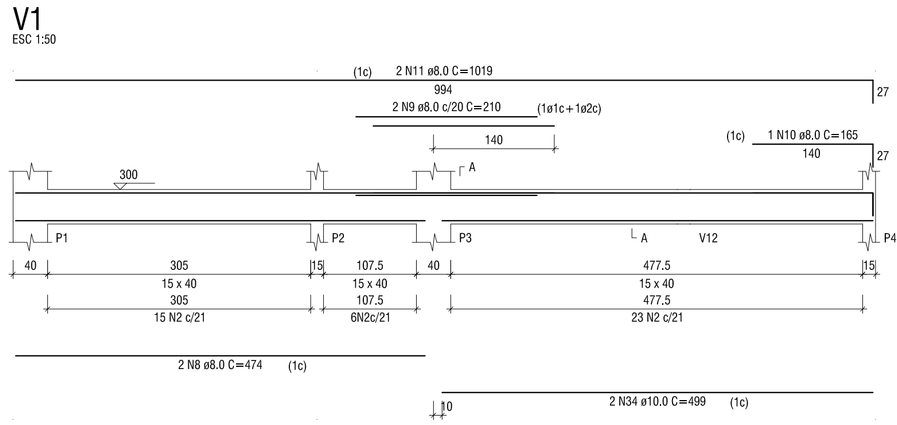
P7=P10=P11=P14=P15=P16=P22
1° PAVIMENTO - L2
ESC 1:20



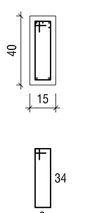
P8
1° PAVIMENTO - L2
ESC 1:20



V1
ESC 1:50



SEÇÃO A-A
ESC 1:25



Projeto Estrutural e de Fundação

PREFEITURA LAJINHA-MG
Rua Dr. Sidney Mabone França Carneiro, 1049 - "A" - Lajinha-MG
CNPJ: 18.539.115/0001-14 - TEL (33) 3534-1008

OBRA:
Construção do Centro de Assistência Social

ENDEREÇO:
Rua José Rodrigues, s/n, bairro Sagrada Família - Lajinha/MG

RESPONSÁVEL TÉCNICO:
THAÍS BOECHAT DE LIMA BASTOS — **CREA:** 212.895/D

CONTEÚDO:
Fundação - Vigas Baldrames / 1º PAV. - Pilares e Viga

ÁREA DA OBRA: 135,90 m²

ÁREA DO TERRENO:

OBSERVAÇÕES: Aproximadamente 7.000 pessoas serão beneficiadas diretamente e indiretamente com a construção do CRAS.

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LAJINHA

DESENHO: THAÍS BOECHAT DE LIMA BASTOS

DATA: 06/2021