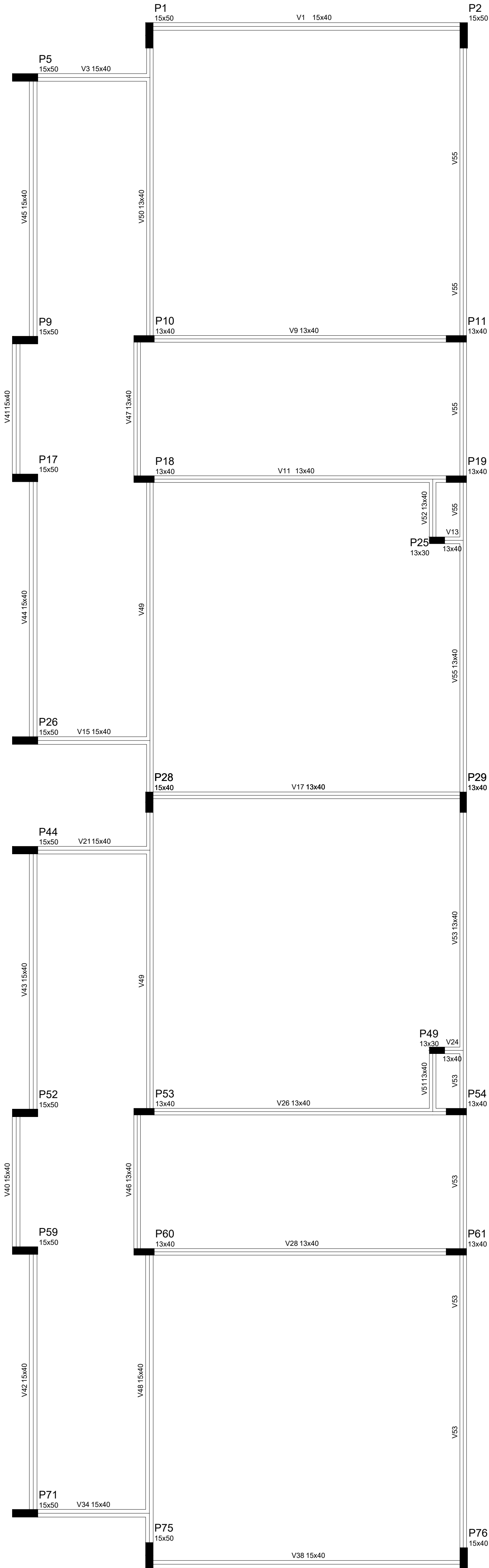


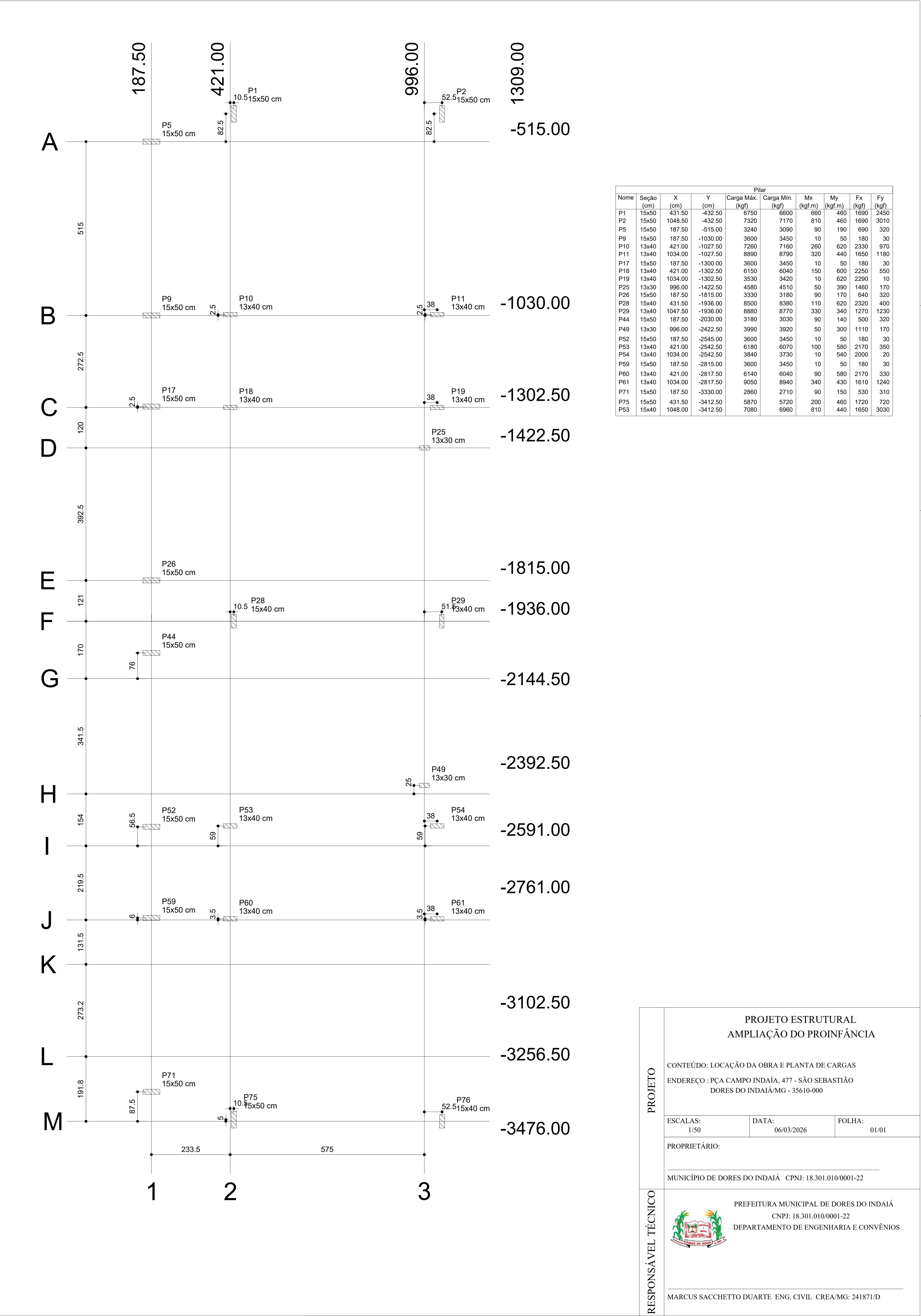


Vigas			
Nome	Seção (cm)	Elevação (cm)	
		Ecs	Nível (cm)
V1	15x40	0	310
V3	15x40	0	310
V9	13x40	0	310
V11	13x40	0	310
V13	13x40	0	310
V15	15x40	0	310
V17	13x40	0	310
V21	15x40	0	310
V24	13x40	0	310
V26	13x40	0	310
V28	13x40	0	310
V34	15x40	0	310
V38	15x40	0	310
V40	15x40	0	310
V41	15x40	0	310
V42	15x40	0	310
V43	15x40	0	310
V44	15x40	0	310
V45	15x40	0	310
V46	13x40	0	310
V47	13x40	0	310
V48	15x40	0	310
V49	13x40	0	310
V50	13x40	0	310
V51	13x40	0	310
V52	13x40	0	310
V53	13x40	0	310
V55	13x40	0	310

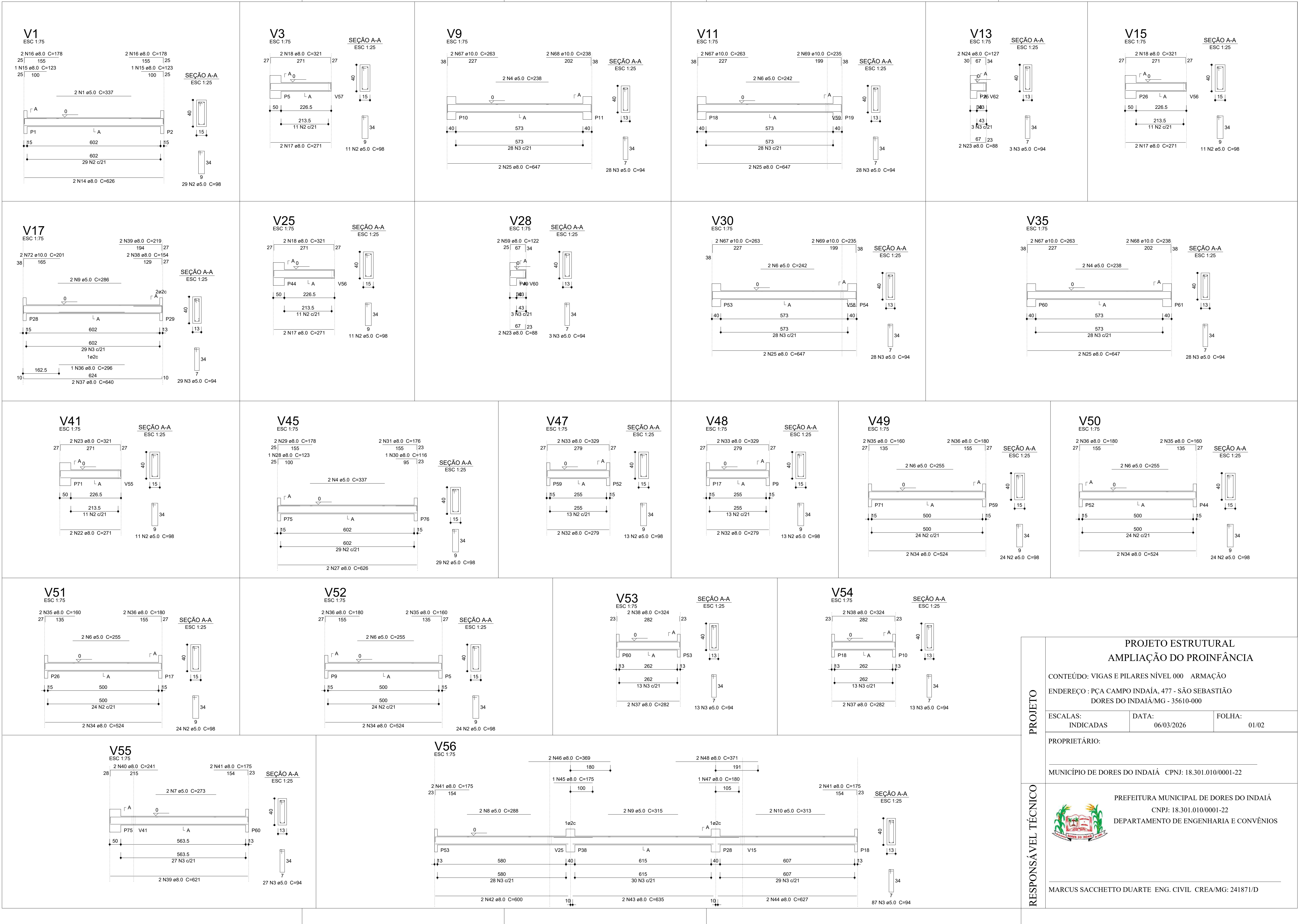
Características dos materiais		
fck	Ecs	
(kgf/cm²)	(kgf/cm²)	
250	238000	

Forma do pavimento Nível 310
escala 1:50

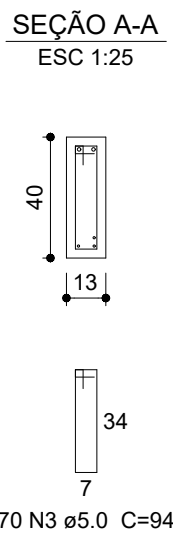
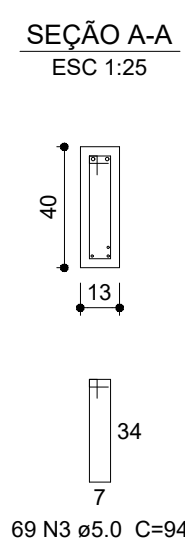
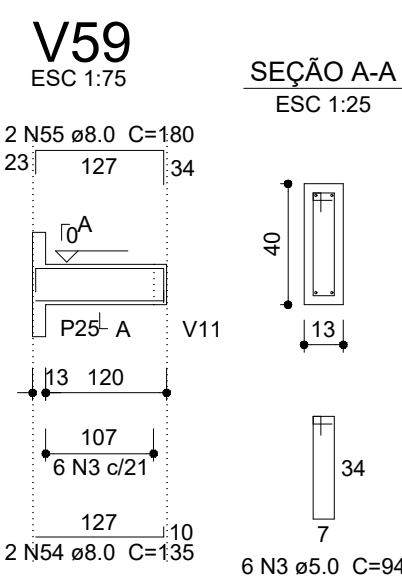
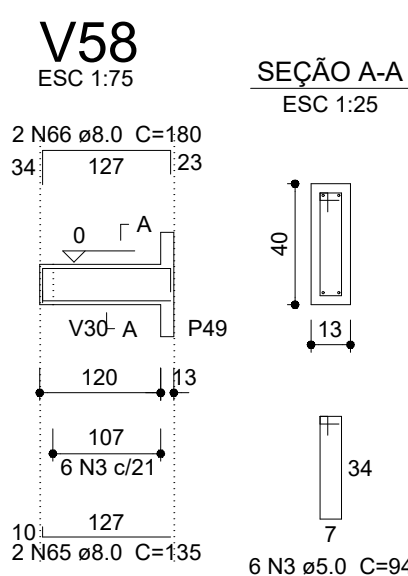
PROJETO	PROJETO ESTRUTURAL AMPLIAÇÃO DO PROINFÂNCIA		
	CONTEÚDO: FORMA - NÍVEL 310		
	ENDEREÇO : PÇA CAMPO INDAÍÁ, 477 - SÃO SEBASTIÃO DORES DO INDAÍÁ/MG - 35610-000		
	ESCALAS: 1/50	DATA: 06/03/2026	FOLHA: 01/01
RESPONSÁVEL TÉCNICO	PROPRIETÁRIO:		
	MUNICÍPIO DE DORES DO INDAÍÁ CNPJ: 18.301.010/0001-22		
	 PREFEITURA MUNICIPAL DE DORES DO INDAÍÁ CNPJ: 18.301.010/0001-22 DEPARTAMENTO DE ENGENHARIA E CONVÊNIOS		
	MARCUS SACCHETTO DUARTE ENG. CIVIL CREA/MG: 241871/D		



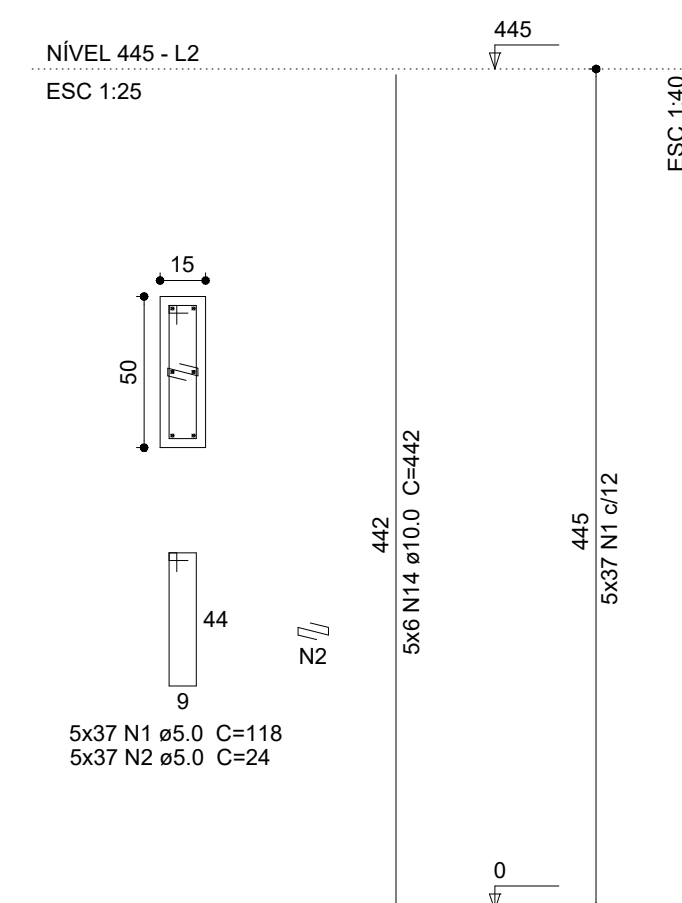
PROJETO	PROJETO ESTRUTURAL AMPLIAÇÃO DO PROINFÂNCIA		
	CONTEÚDO: LOCAÇÃO DA OBRA E PLANTA DE CARGAS		
	ENDEREÇO : PÇA CAMPO INDAÍÁ, 477 - SÃO SEBASTIÃO DORES DO INDAÍÁ/MG - 35610-000		
	ESCALAS: 1/50	DATA: 06/03/2026	FOLHA: 01/01
RESPONSÁVEL TÉCNICO	PROPRIETÁRIO: MUNICÍPIO DE DORES DO INDAÍÁ CPNJ: 18.301.010/0001-22		
	 PREFEITURA MUNICIPAL DE DORES DO INDAÍÁ CNPJ: 18.301.010/0001-22 DEPARTAMENTO DE ENGENHARIA E CONVÊNIOS		
	MARCUS SACCHETTO DUARTE ENG. CIVIL CREA/MG: 241817/D		



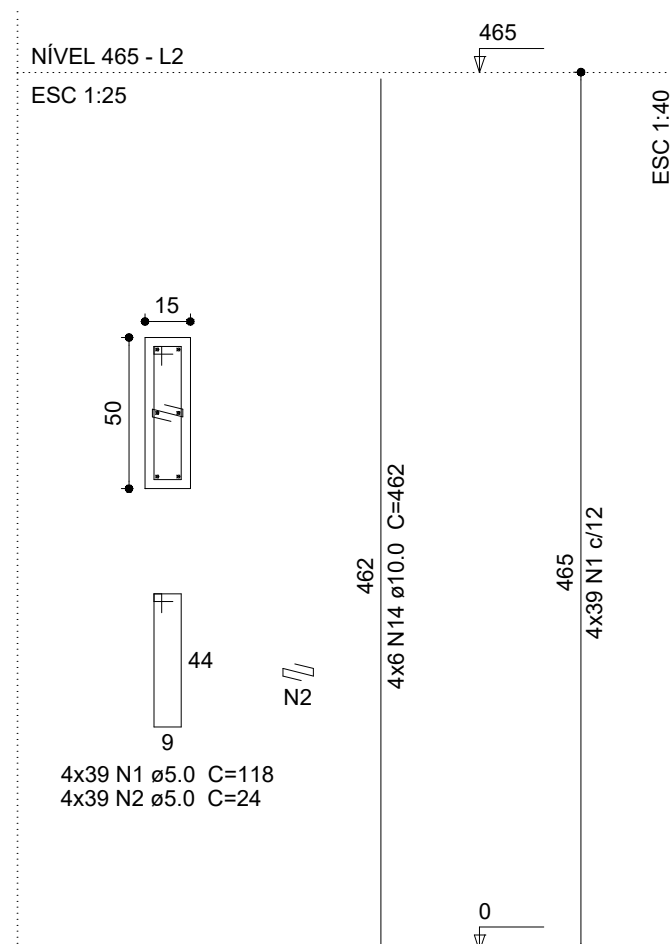
PROJETO	PROJETO ESTRUTURAL AMPLIAÇÃO DO PROINFÂNCIA		
	CONTEÚDO: VIGAS E PILARES NÍVEL 000 ARMAÇÃO		
	ENDEREÇO : PÇA CAMPO INDAÍÁ, 477 - SÃO SEBASTIÃO DORES DO INDAÍÁ/MG - 35610-000		
	ESCALAS: INDICADAS	DATA: 06/03/2026	FOLHA: 01/02
RESPONSÁVEL TÉCNICO	PROPRIETÁRIO:		
	MUNICÍPIO DE DORES DO INDAÍÁ CPNJ: 18.301.010/0001-22		
	 PREFEITURA MUNICIPAL DE DORES DO INDAÍÁ CNPJ: 18.301.010/0001-22 DEPARTAMENTO DE ENGENHARIA E CONVÊNIOS		
	MARCUS SACCHETTO DUARTE ENG. CIVIL CREA/MG: 241871/D		



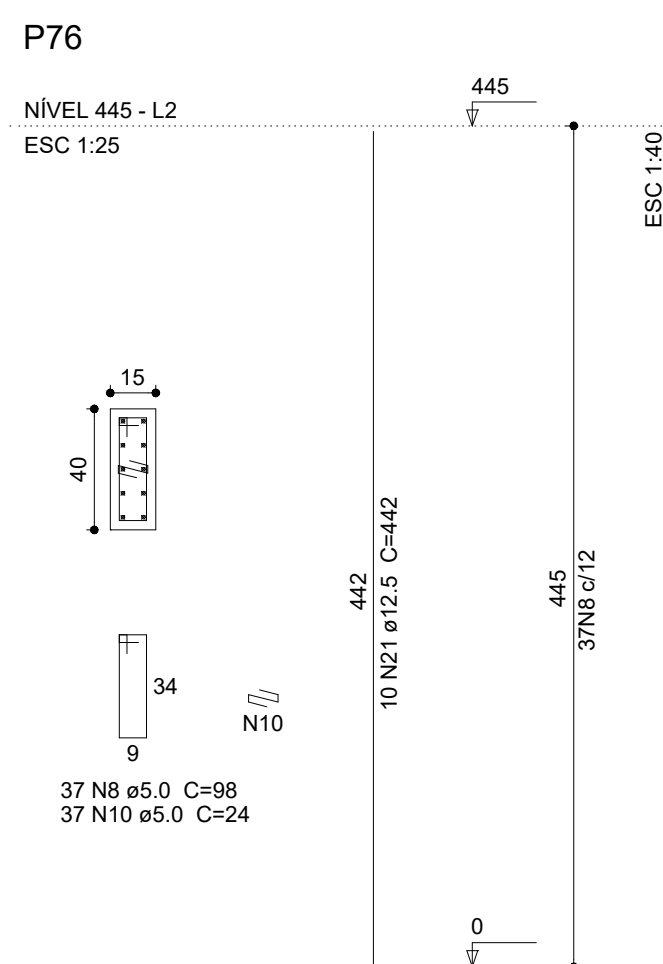
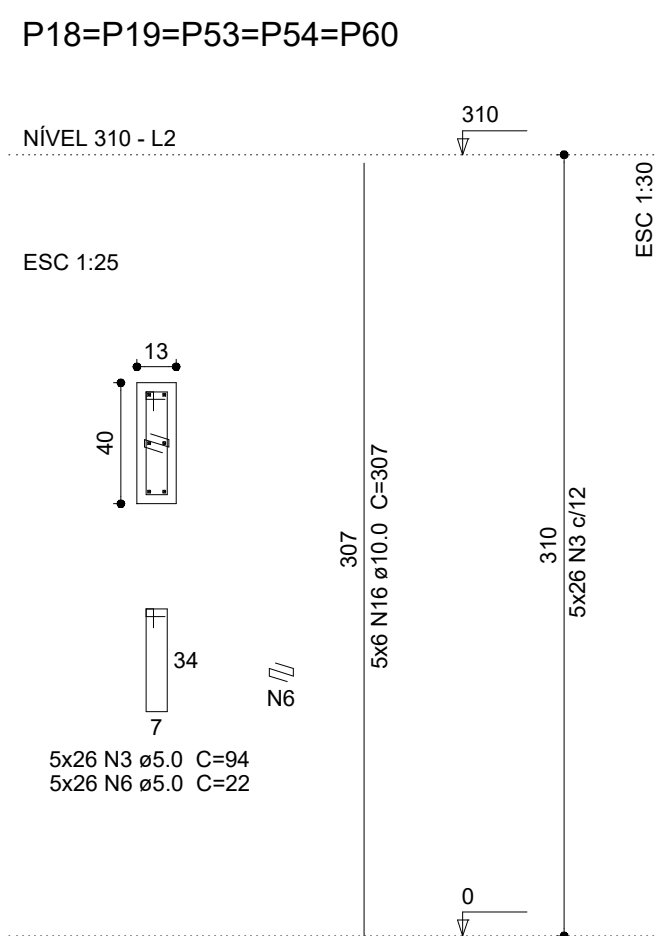
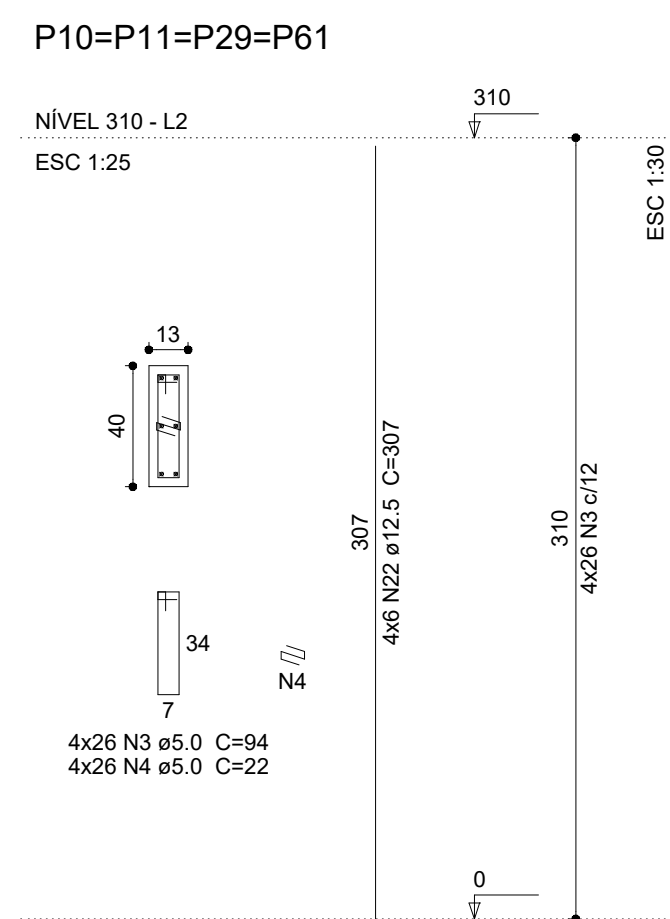
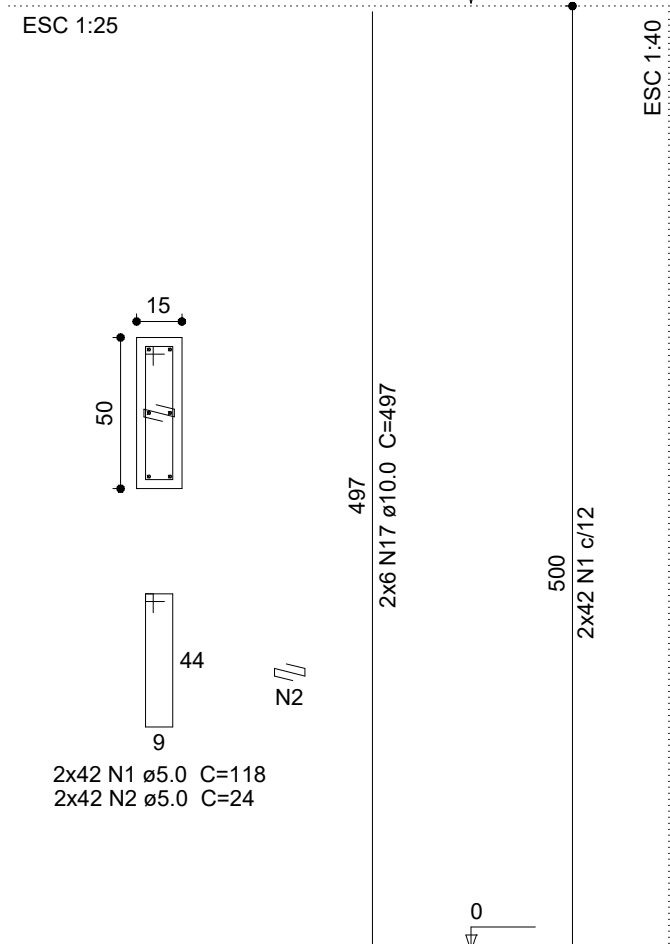
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	526.15	207.80
	10.0	62.65	38.70
	12.5	10.14	9.8
CA60	5.0	671.28	103.40
PESO TOTAL (kg)			
CA50	256.30		
CA60	103.40		

$$P1=P2=P5=P71=P75$$


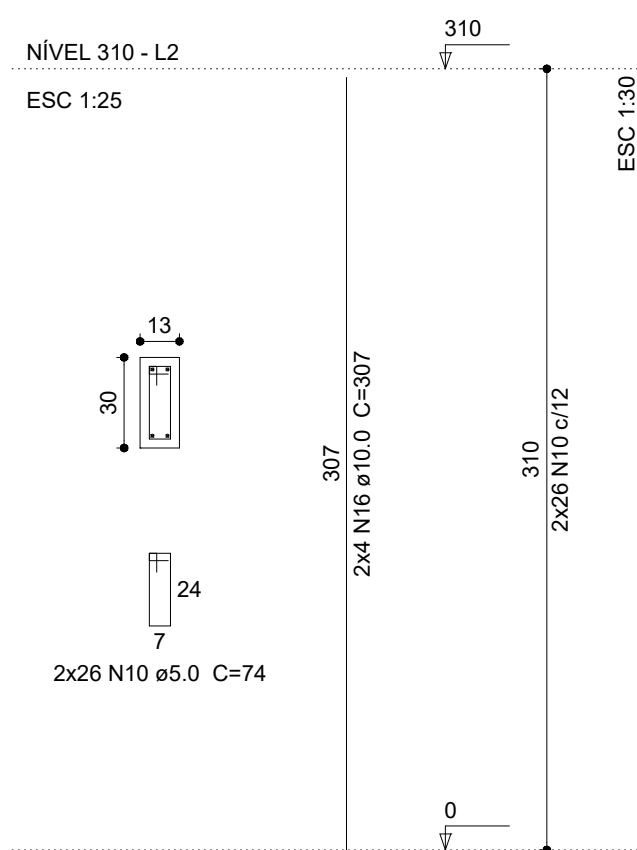
P9=P17=P52=P59



P26=P44



P25=P49



AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	523.28	322.9
	12.5	44.2	42.6
CA60	5.0	1010.0	155.5
PESO TOTAL (kg)			
CA50	365.50		
CA60	155.50		

PROJETO

CONTEÚDO: VIGAS E PILARES NÍVEL 000 ARMAÇÃO
ENDEREÇO : PÇA CAMPO INDAÍÁ, 477 - SÃO SEBASTIÃO
DORES DO INDAÍÁ/MG - 35610-000

ESCALAS:
INDICADAS

DATA:	06/03/2026
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FOLHA:	02/02
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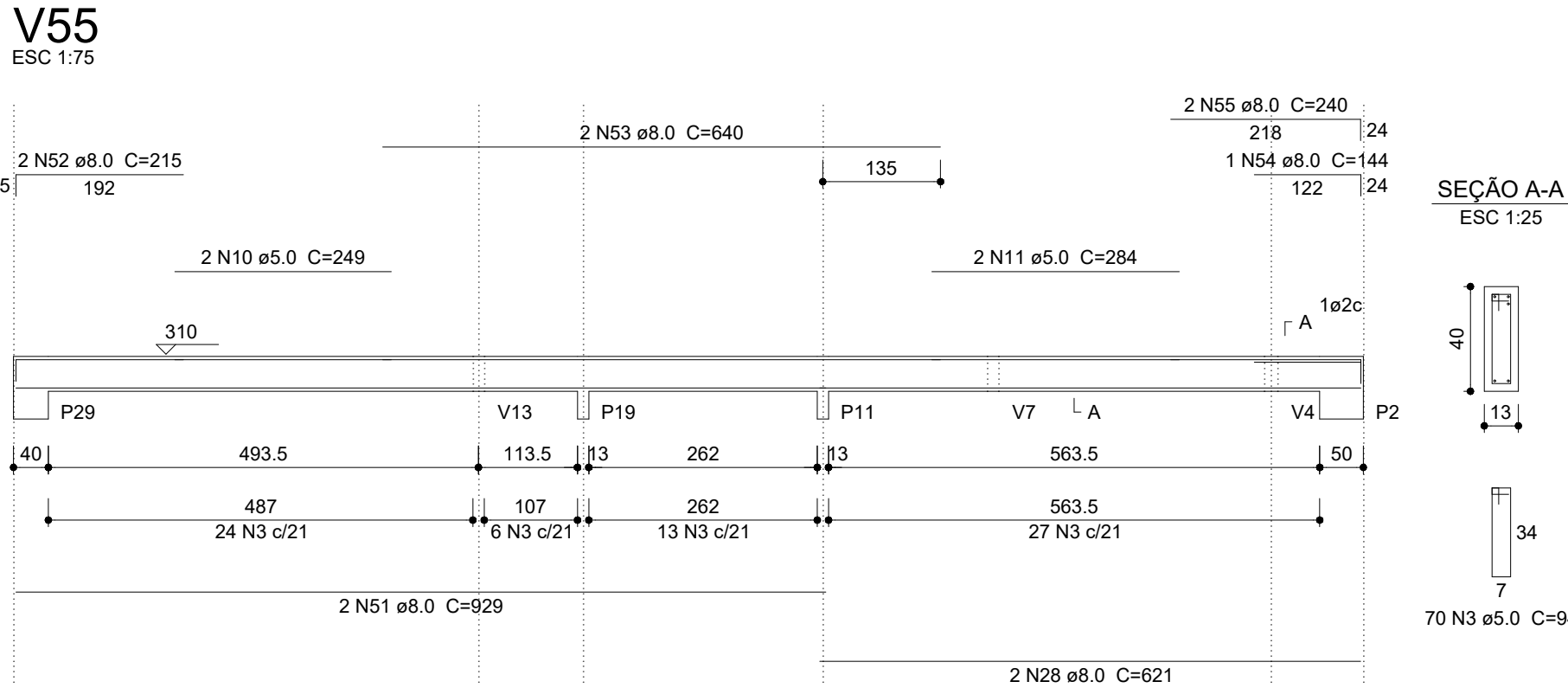
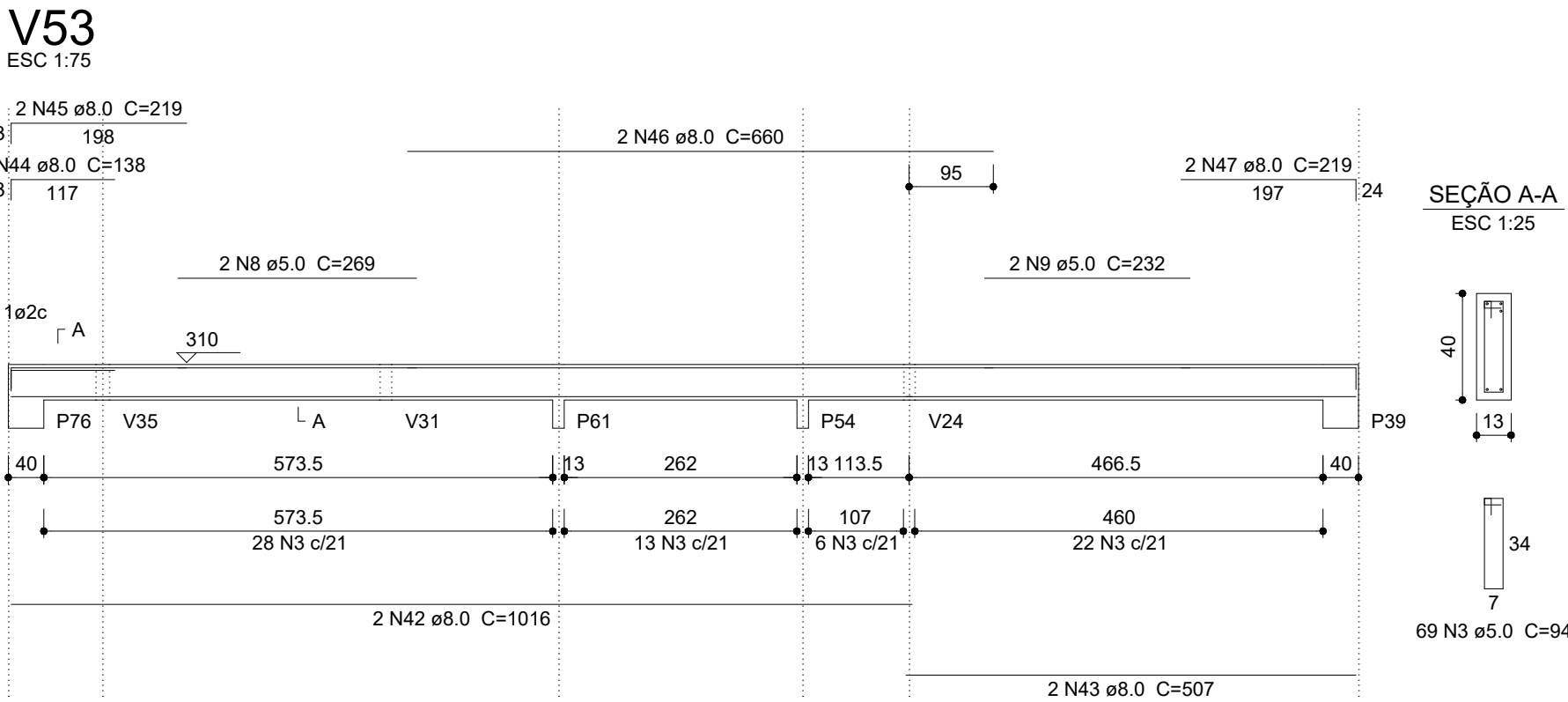
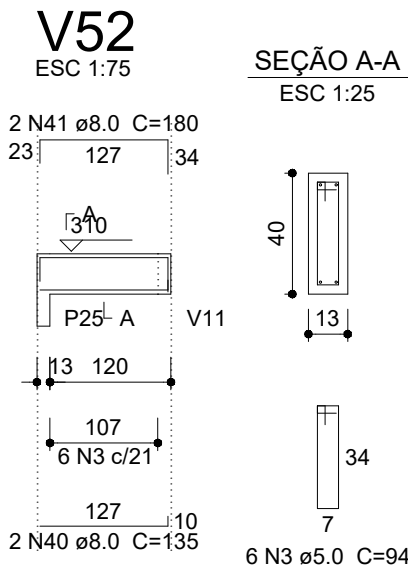
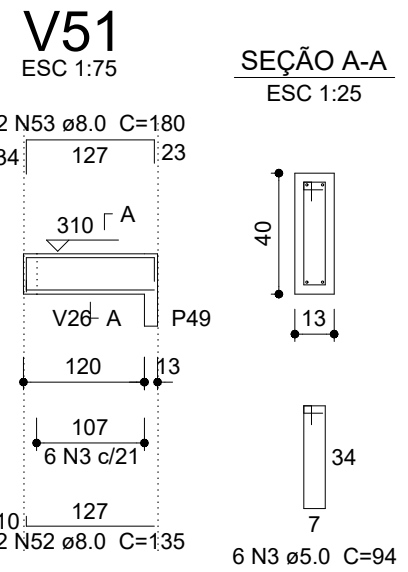
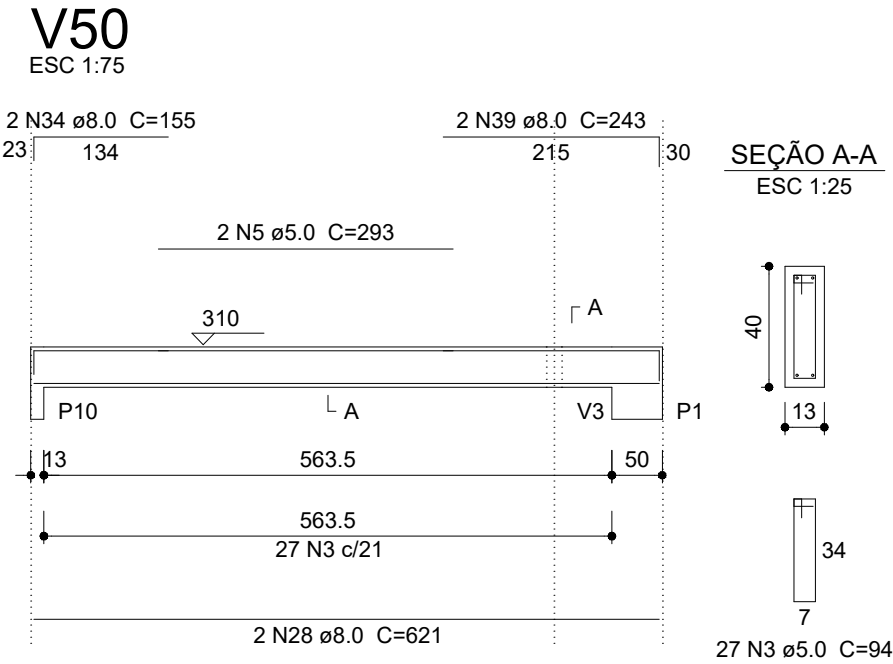
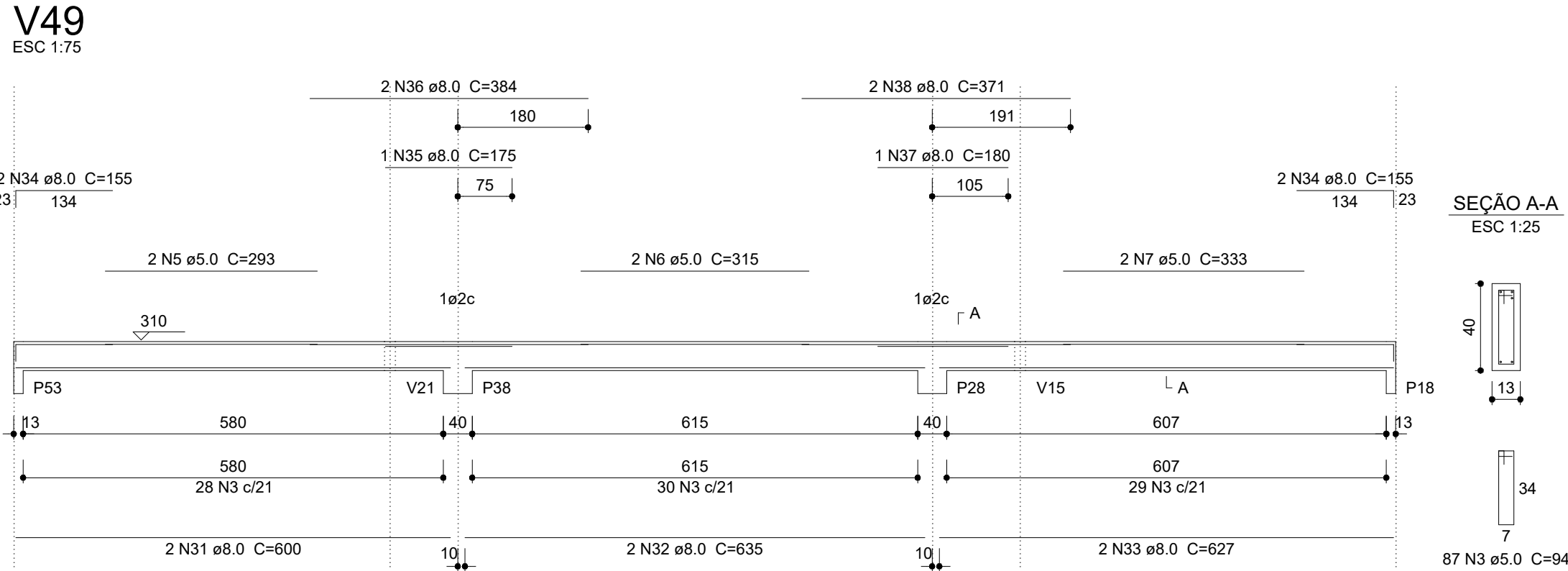
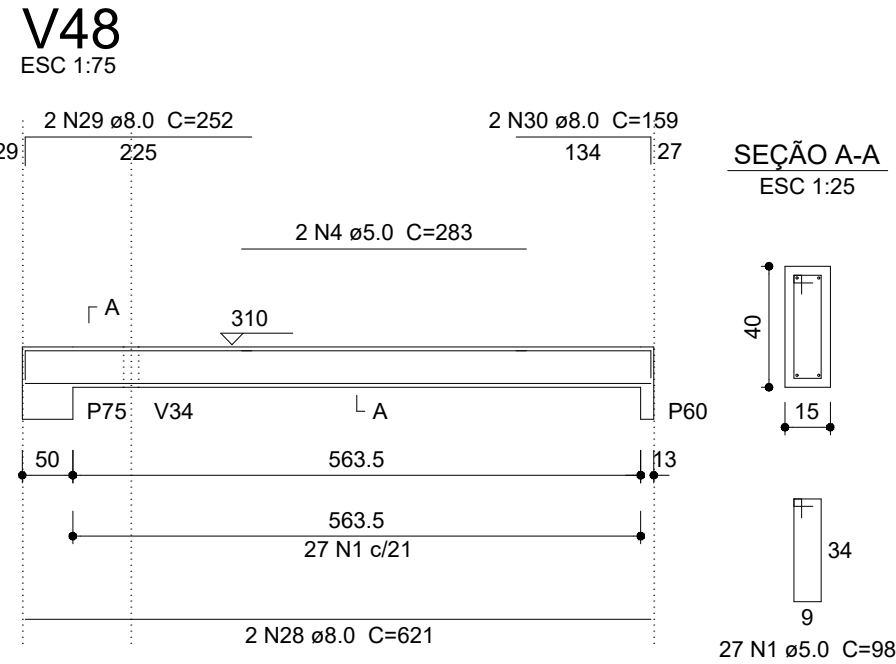
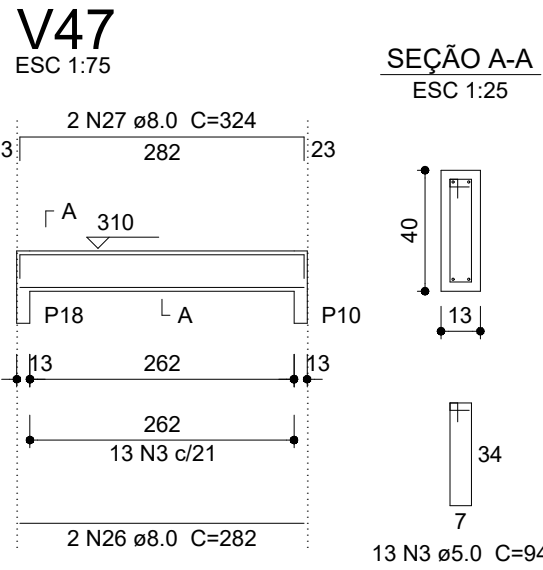
PROPRIETÁRIO

MUNICÍPIO DE DORES DO INDAIÁ CPNJ: 18.301.010/0001-22



PREFEITURA MUNICIPAL DE DORES DO INDAIÁ
CNPJ: 18.301.010/0001-22
DEPARTAMENTO DE ENGENHARIA E CONVÊNIOS

MARCUS SACCHETTO DUARTE ENG. CIVIL CREA/MG: 241871/D

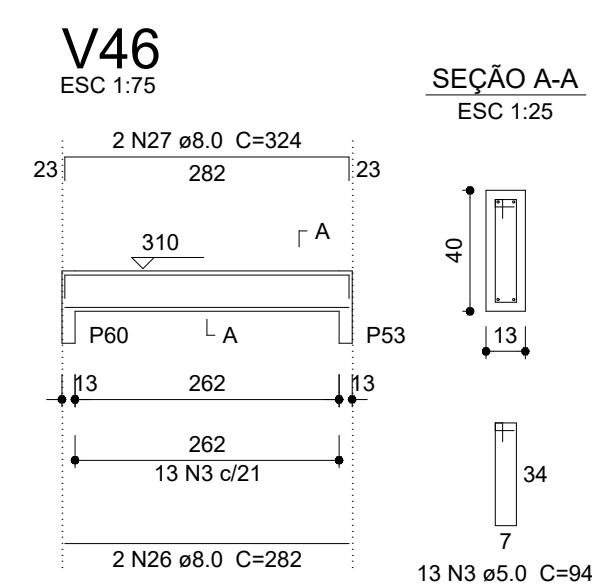
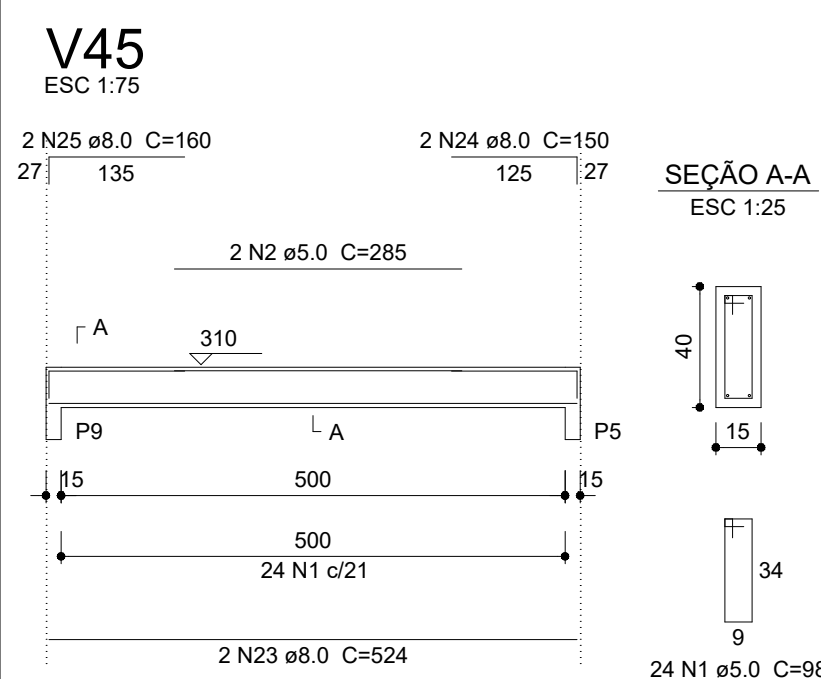
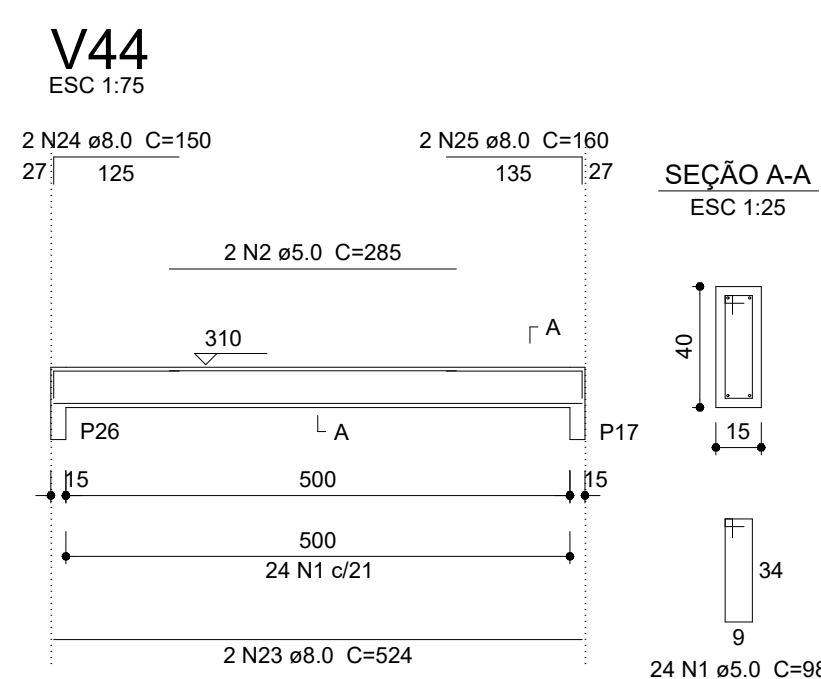
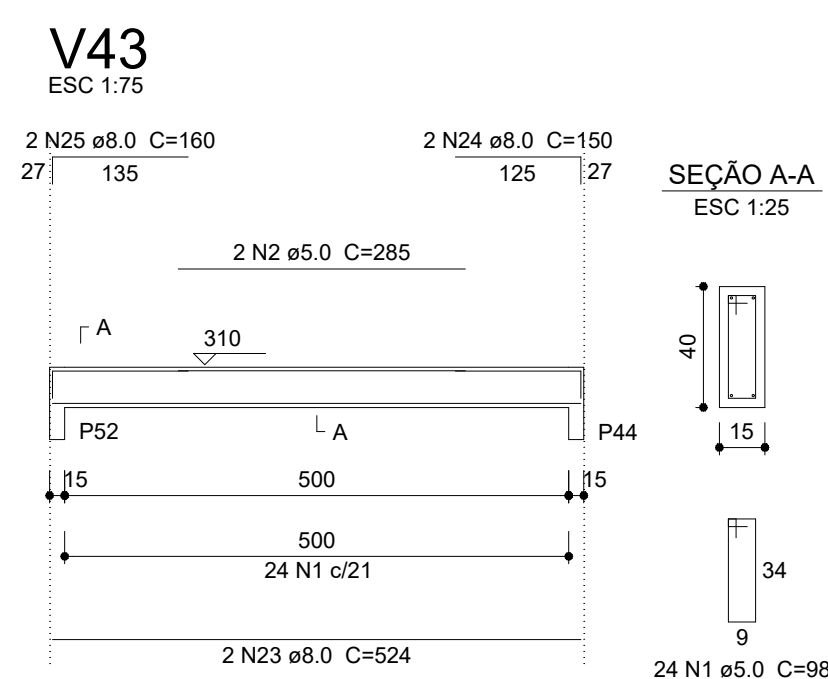
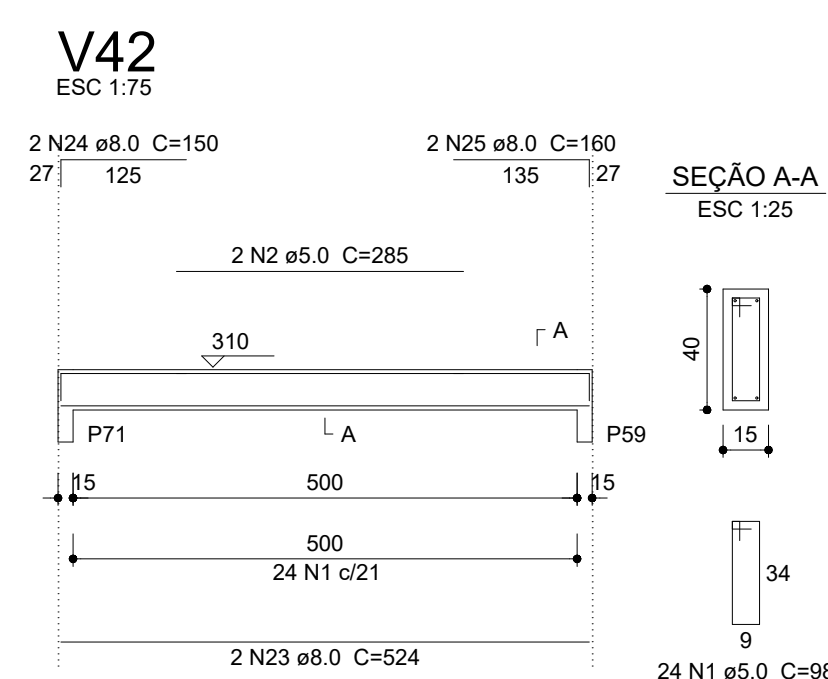
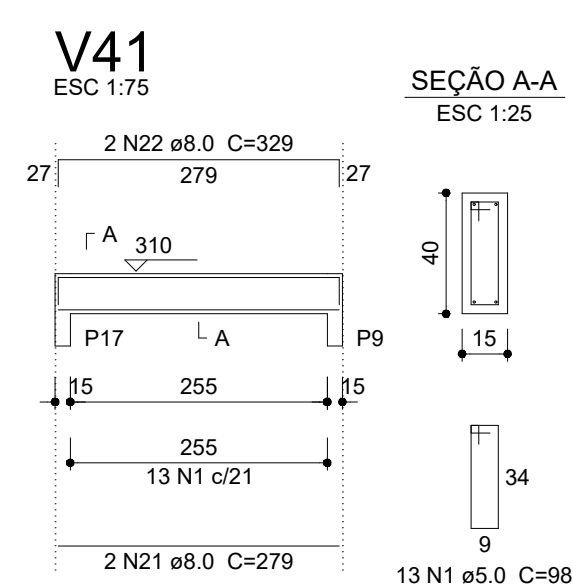
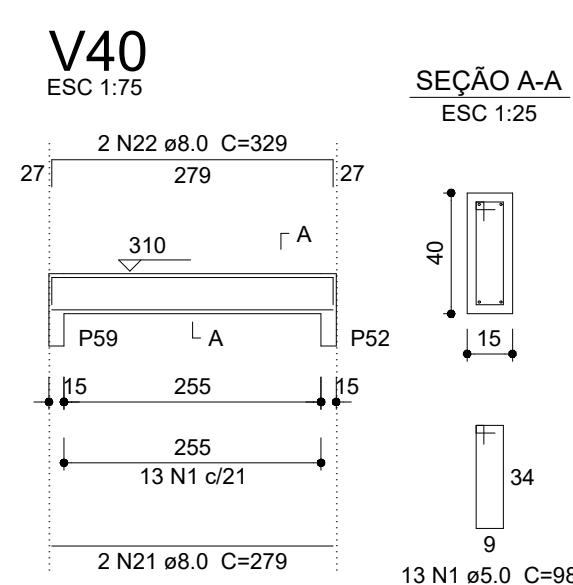
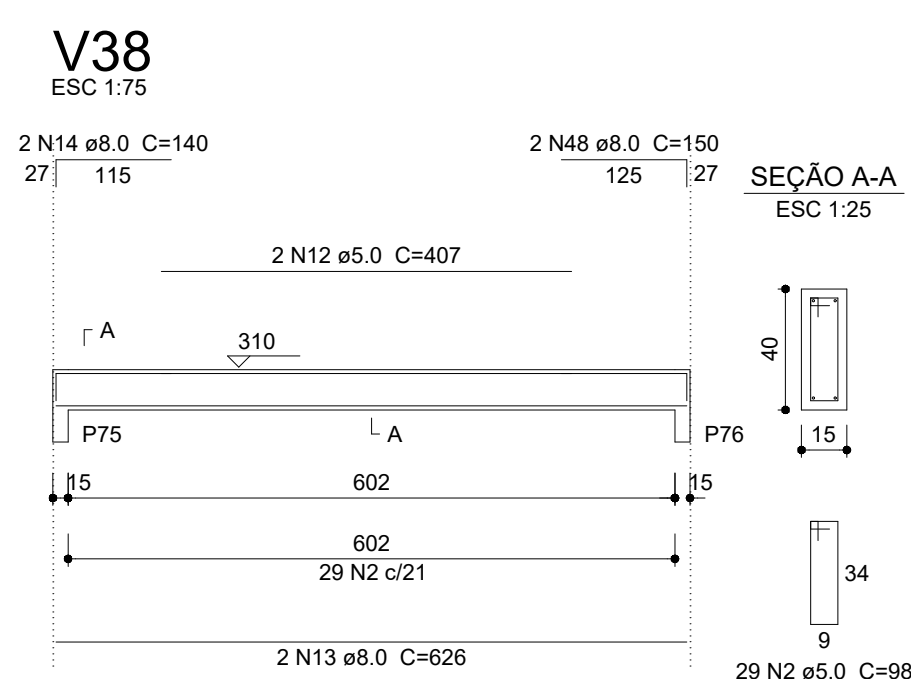
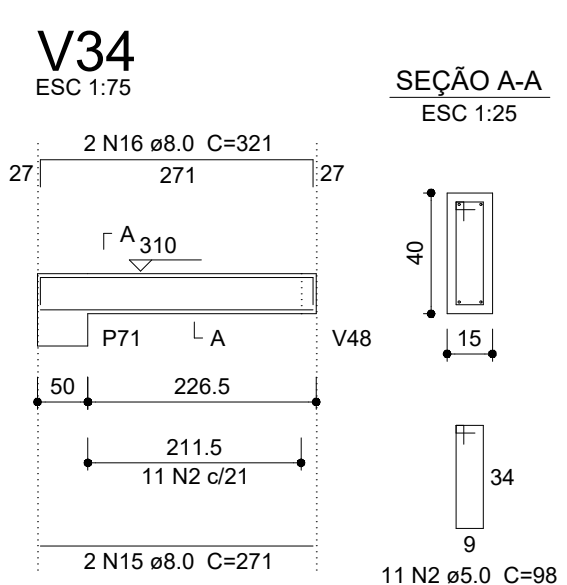
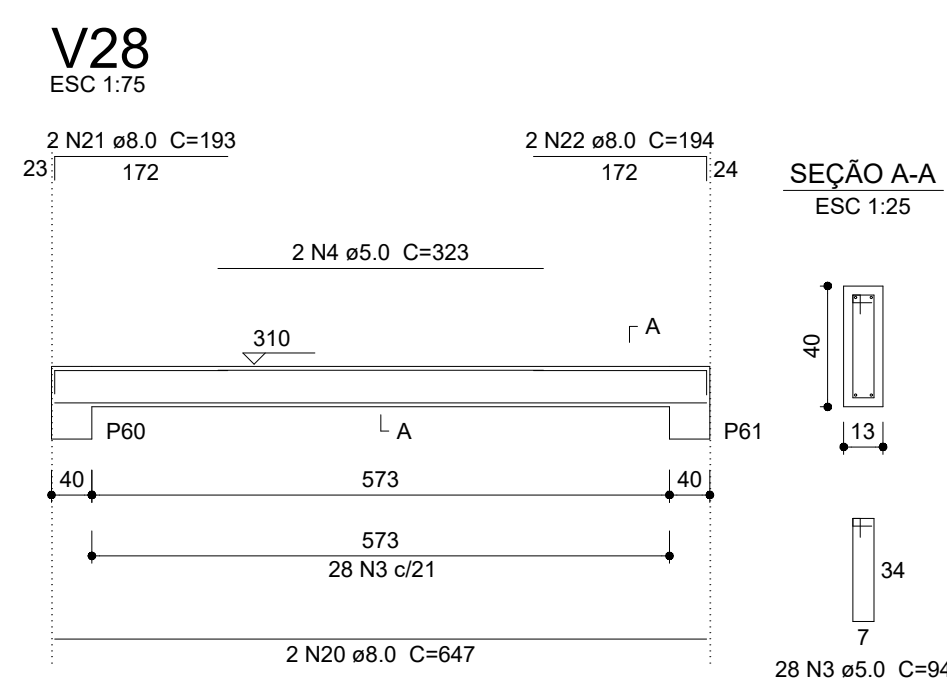
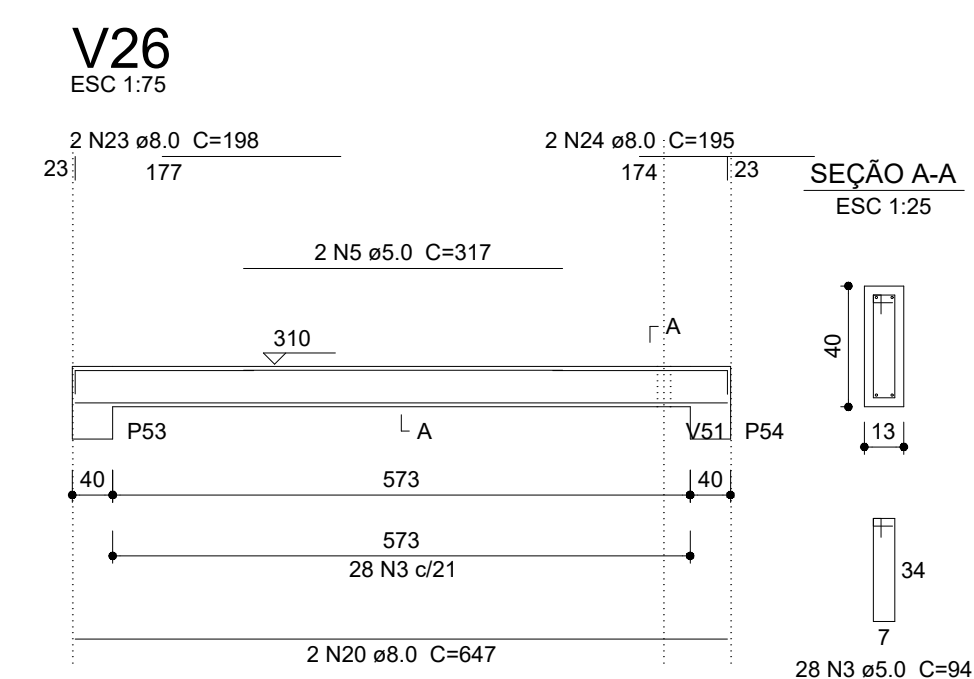
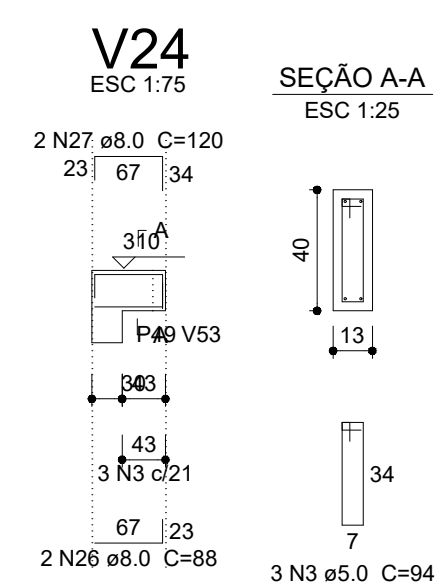
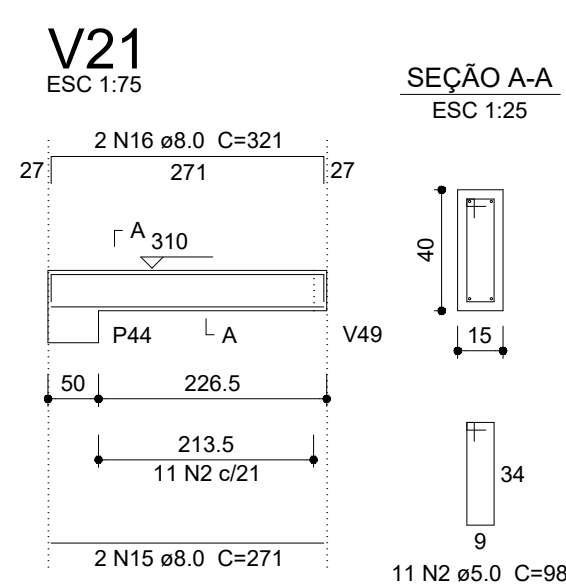
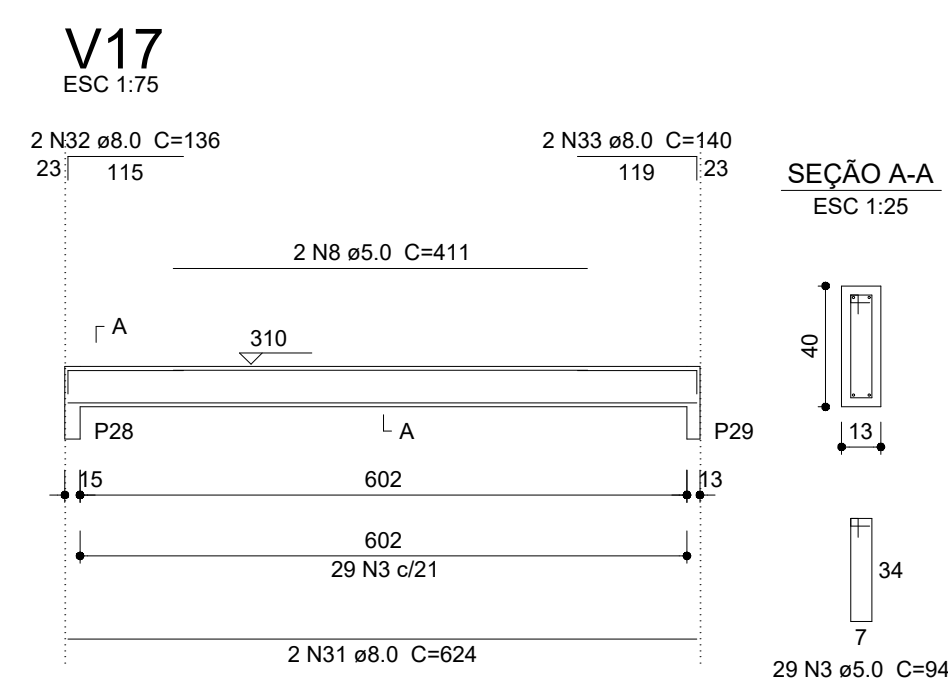
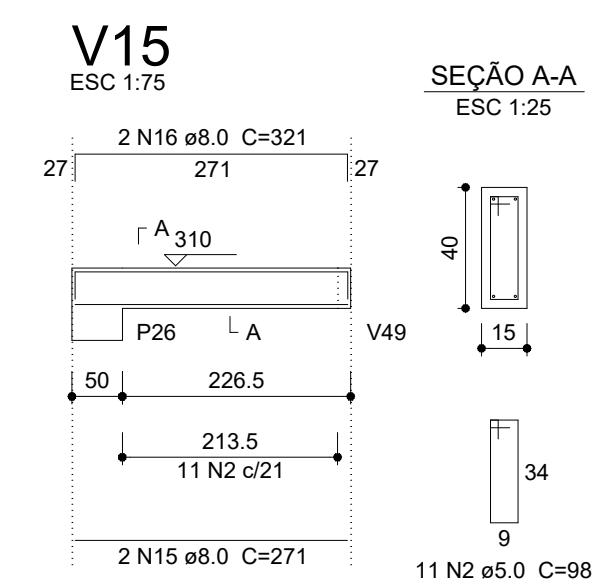
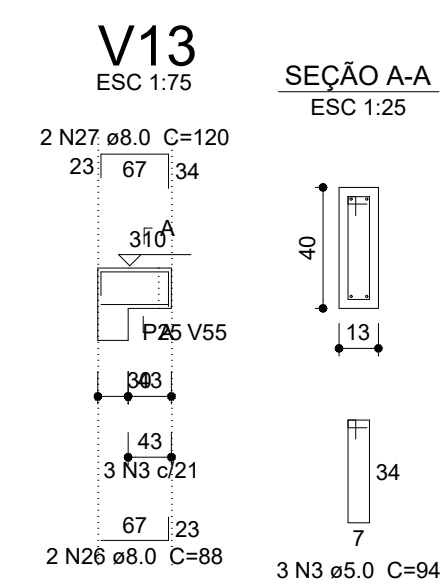
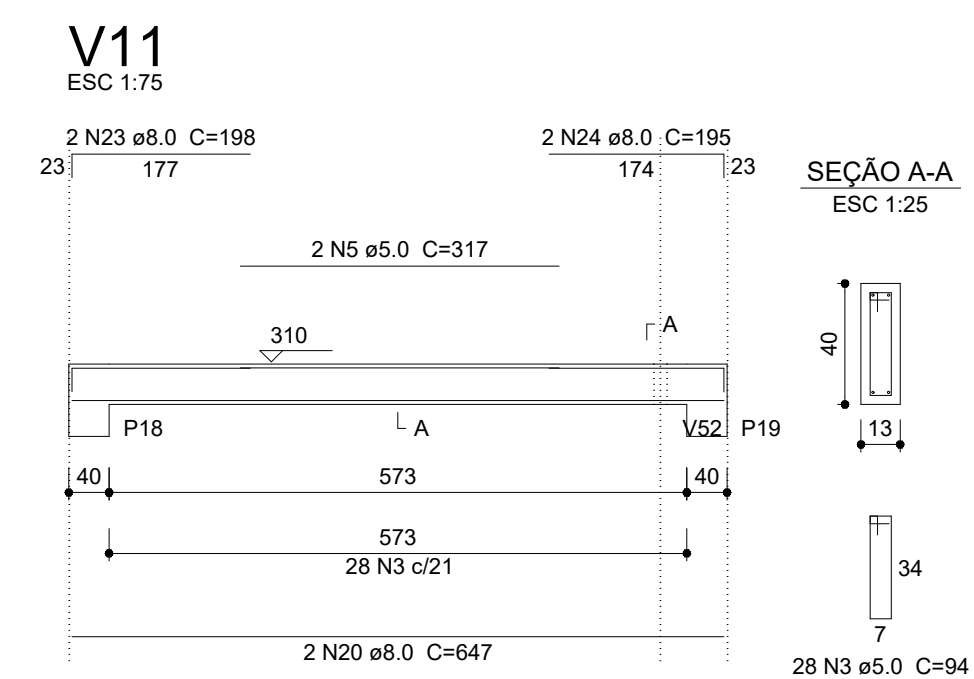
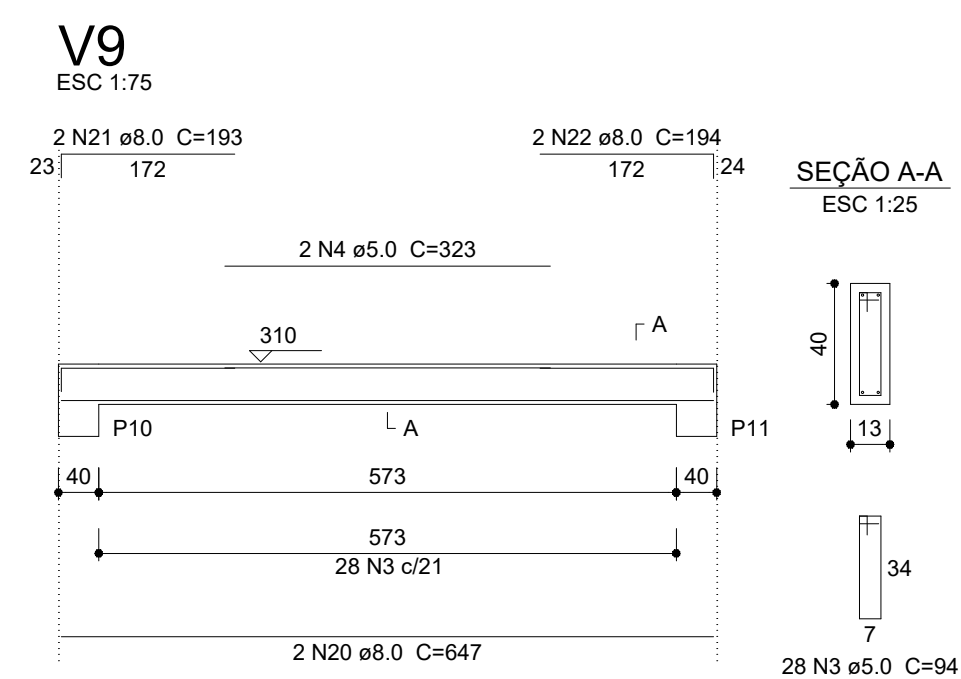
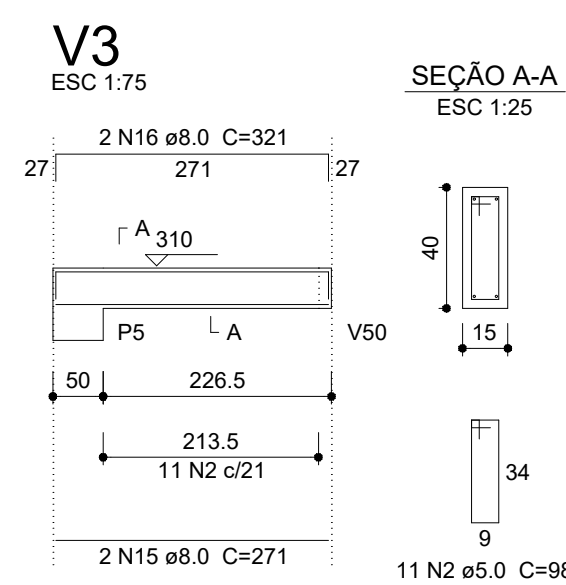
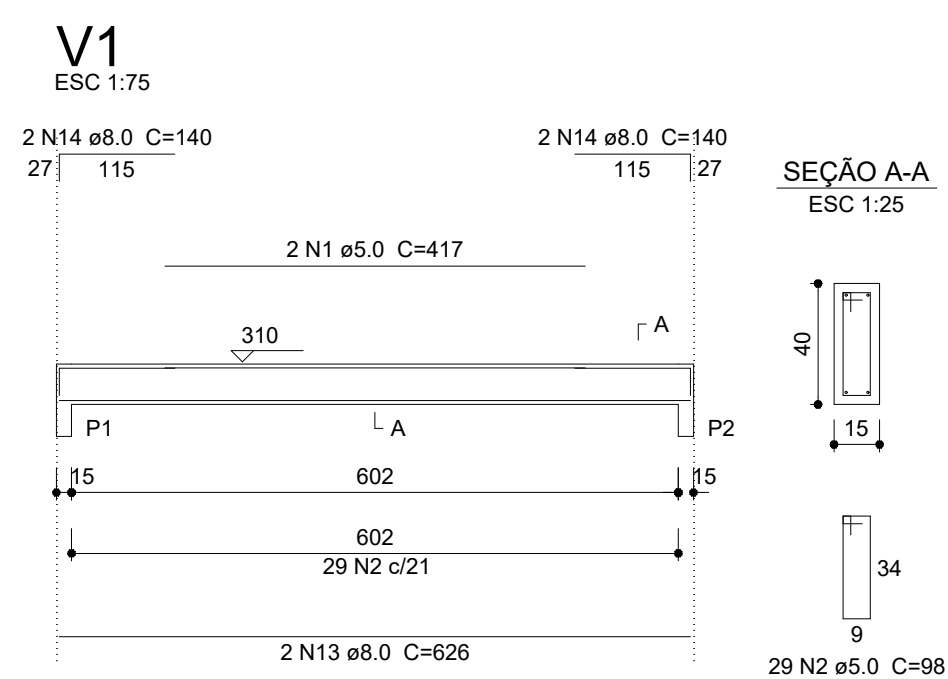


Resumo do aço vigas 310

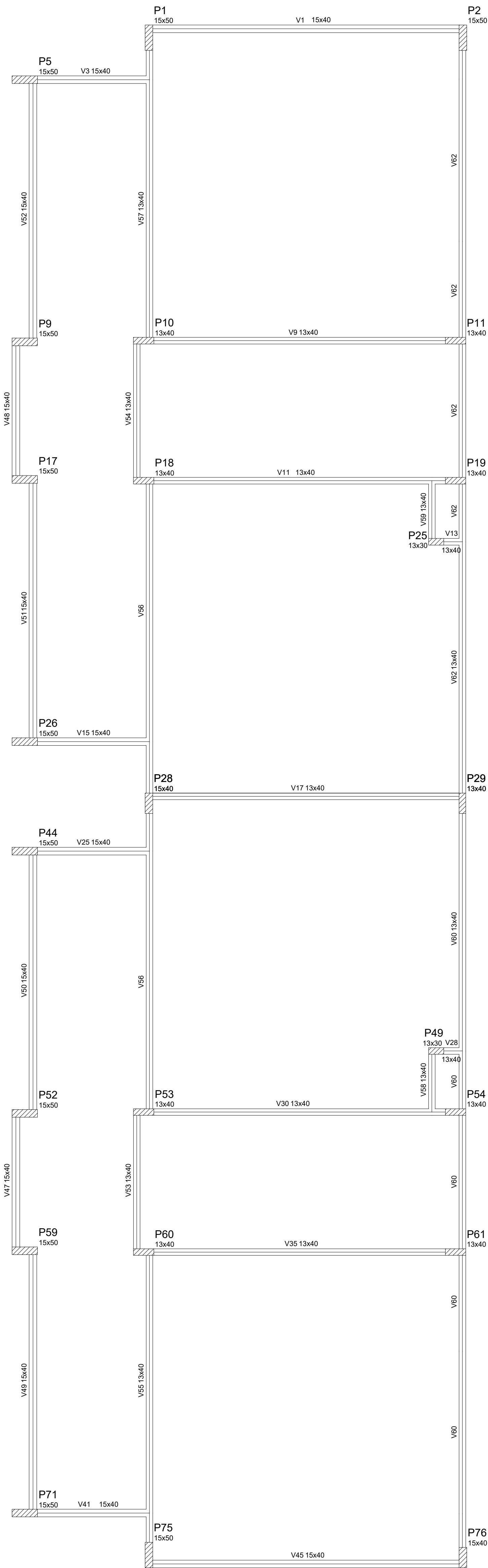
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	541,77	214,0
CA60	5.0	784,74	120,8
PESO TOTAL (kg)			
CA50	365.50		
CA60	155.50		

Volume de concreto (C-25) = 8.40 m³
Área de forma = 122.6 m²

PROJETO	PROJETO ESTRUTURAL AMPLIAÇÃO DO PROINFÂNCIA		
	CONTEÚDO: VIGAS NÍVEL 310 ARMAÇÃO		
	ENDEREÇO : PÇA CAMPO INDAÍÁ, 477 - SÃO SEBASTIÃO DORES DO INDAÍÁ/MG - 35610-000		
	ESCALAS: INDICADAS	DATA: 06/03/2026	FOLHA: 02/02
RESPONSÁVEL TÉCNICO	PROPRIETÁRIO:		
	MUNICÍPIO DE DORES DO INDAÍÁ CPNJ: 18.301.010/0001-22		
RESPONSÁVEL TÉCNICO	PREFEITURA MUNICIPAL DE DORES DO INDAÍÁ CNPJ: 18.301.010/0001-22 DEPARTAMENTO DE ENGENHARIA E CONVÊNIOS		
			
	MARCUS SACCHETTO DUARTE ENG. CIVIL CREA/MG: 241871/D		



PROJETO	PROJETO ESTRUTURAL AMPLIAÇÃO DO PROINFÂNCIA CONTEÚDO : VIGAS NÍVEL 310 ARMAÇÃO ENDEREÇO : PÇA CAMPO INDAÍÁ, 477 - SÃO SEBASTIÃO DORES DO INDAÍÁ/MG - 35610-000		
	ESCALAS: INDICADAS	DATA: 06/03/2026	FOLHA: 01/02
RESPONSÁVEL TÉCNICO	PROPRIETÁRIO: MUNICÍPIO DE DORES DO INDAÍÁ CPNJ: 18.301.010/0001-22		
	PREFEITURA MUNICIPAL DE DORES DO INDAÍÁ CNPJ: 18.301.010/0001-22 DEPARTAMENTO DE ENGENHARIA E CONVÊNIOS MARCUS SACCHETTO DUARTE ENG. CIVIL CREA/MG: 241871/D		



Forma do pavimento Nível 000
escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	0
V3	15x40	0	0
V9	13x40	0	0
V11	13x40	0	0
V13	13x40	0	0
V15	15x40	0	0
V17	13x40	0	0
V25	15x40	0	0
V28	13x40	0	0
V30	13x40	0	0
V35	13x40	0	0
V41	15x40	0	0
V45	15x40	0	0
V47	15x40	0	0
V48	15x40	0	0
V49	15x40	0	0
V50	15x40	0	0
V51	15x40	0	0
V52	15x40	0	0
V53	13x40	0	0
V54	13x40	0	0
V55	13x40	0	0
V56	13x40	0	0
V57	13x40	0	0
V58	13x40	0	0
V59	13x40	0	0
V60	13x40	0	0
V62	13x40	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	238000

PROJETO

PROJETO ESTRUTURAL
AMPLIAÇÃO DO PROINFÂNCIA

CONTEÚDO: FORMA- NÍVEL 000

ENDEREÇO : PÇA CAMPO INDAÍÁ, 477 - SÃO SEBASTIÃO
DORES DO INDAÍÁ/MG - 35610-000

ESCALAS:
1/50

DATA:
06/03/2026

FOLHA:
01/01

PROPRIETÁRIO:
MUNICÍPIO DE DORES DO INDAÍÁ CPNJ: 18.301.010/0001-22

RESPONSÁVEL TÉCNICO



PREFEITURA MUNICIPAL DE DORES DO INDAÍÁ
CNPJ: 18.301.010/0001-22
DEPARTAMENTO DE ENGENHARIA E CONVÊNIOS

MARCUS SACCHETTO DUARTE ENG. CIVIL CREA/MG: 241871/D