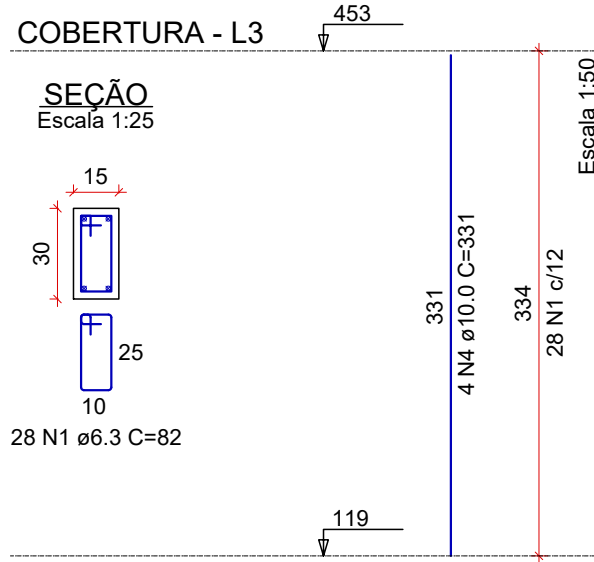
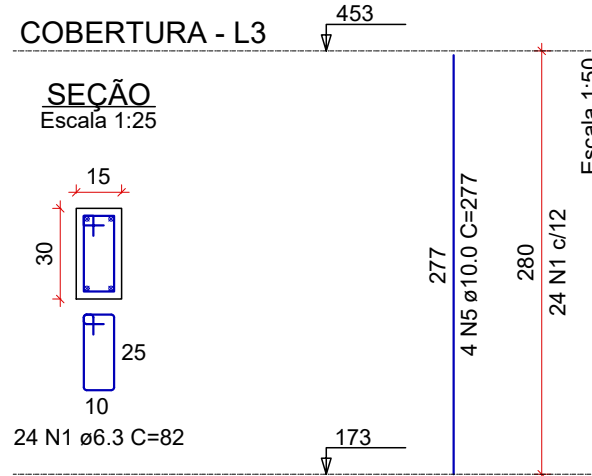


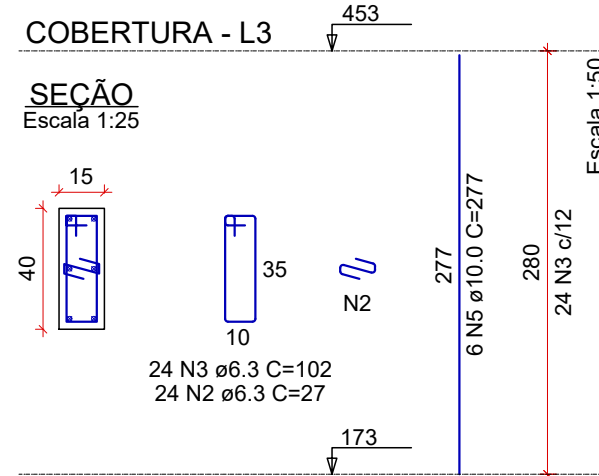
P1=P2=P3=P4=P5=P6=P7=
=P8=P9=P10=P21=P22



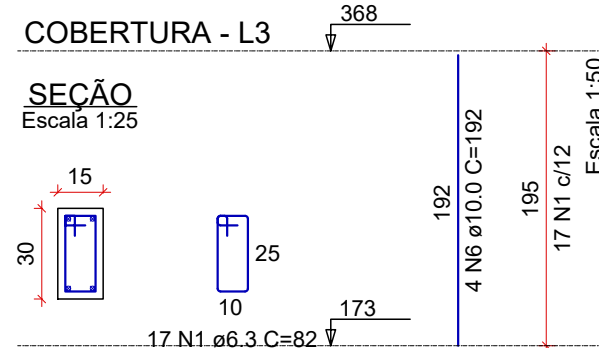
P11=P12=P13=P14=P15=
=P16=P18=P19=P20=P23=
=P24=P25=P26=P27=P28=
=P29=P30=P32=P33



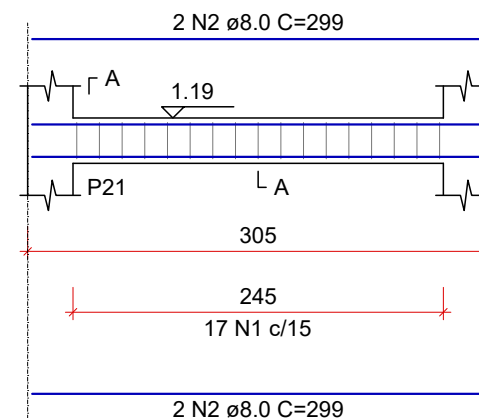
P17=P31=P34=P35=P36=P37



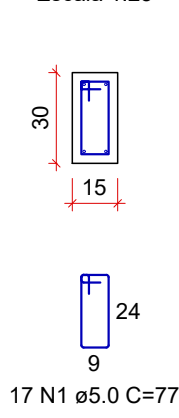
PM1=PM2=PM3=PM4



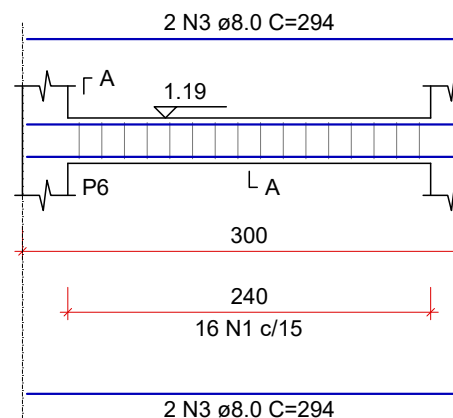
VB1
Escala 1:50



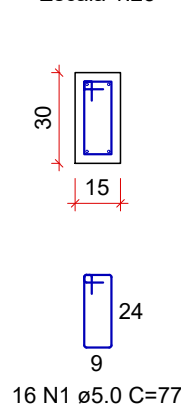
SEÇÃO A-A
Escala 1:25



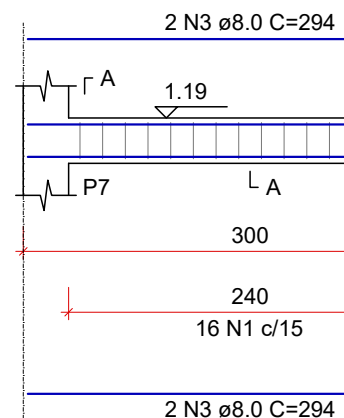
VB2
Escala 1:50



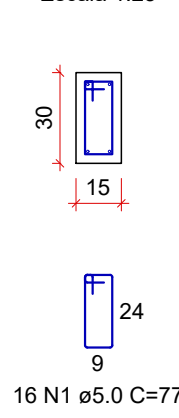
SEÇÃO A-A
Escala 1:25



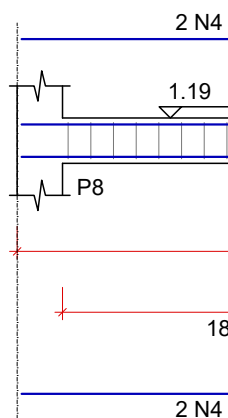
VB3
Escala 1:50



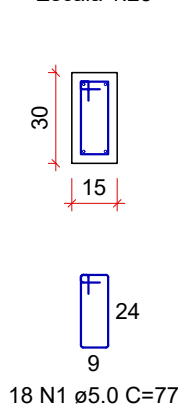
SEÇÃO A-A
Escala 1:25



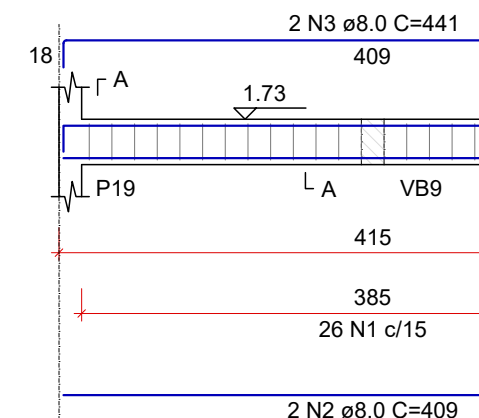
VB4
Escala 1:50



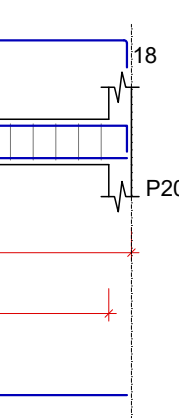
SEÇÃO A-A
Escala 1:25



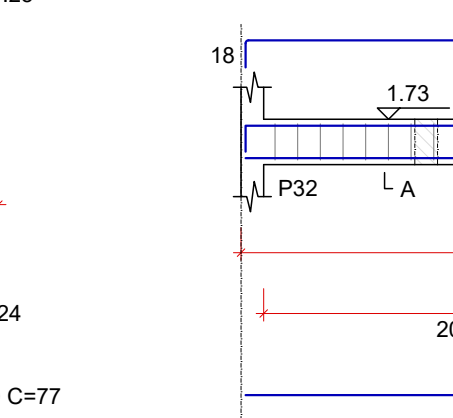
VB1
Escala 1:50



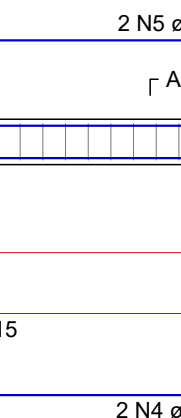
SEÇÃO A-A
Escala 1:25



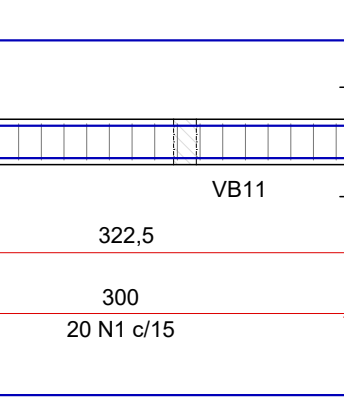
VB2
Escala 1:50



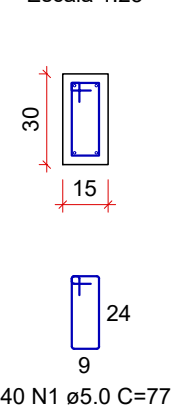
SEÇÃO A-A
Escala 1:25



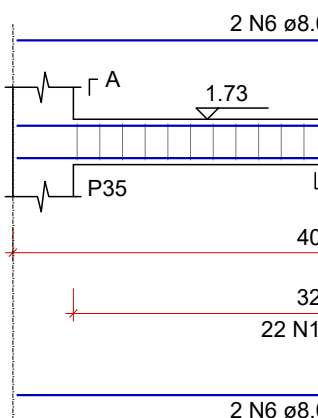
VB3
Escala 1:50



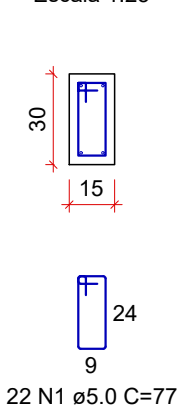
SEÇÃO A-A
Escala 1:25



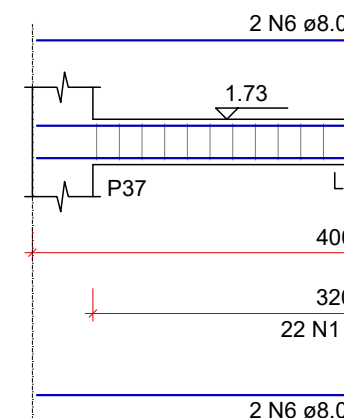
VB4
Escala 1:50



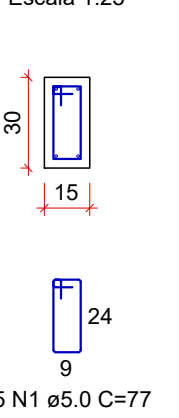
SEÇÃO A-A
Escala 1:25



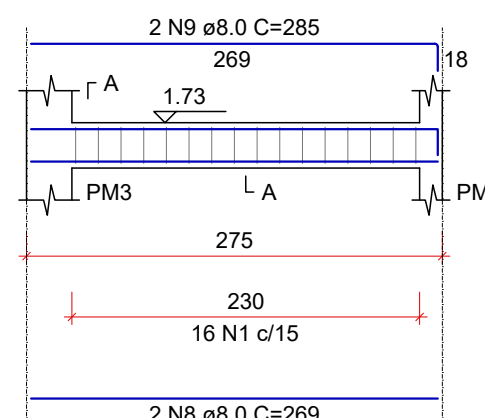
VB5
Escala 1:50



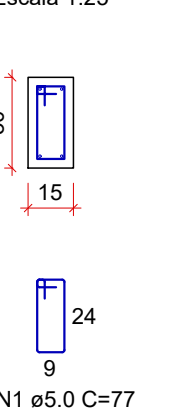
SEÇÃO A-A
Escala 1:25



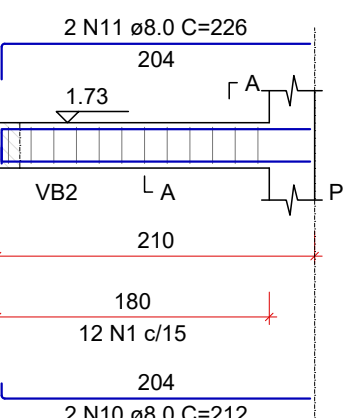
VB6
Escala 1:50



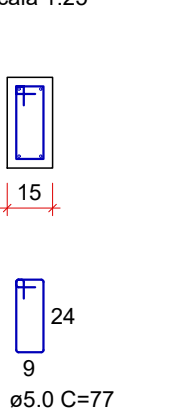
SEÇÃO A-A
Escala 1:25



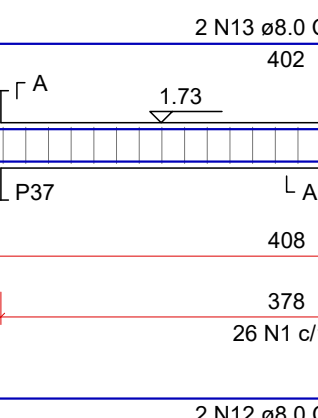
VB7
Escala 1:50



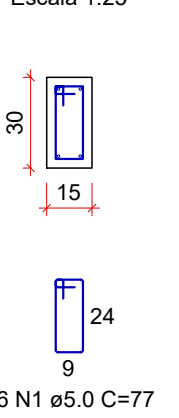
SEÇÃO A-A
Escala 1:25



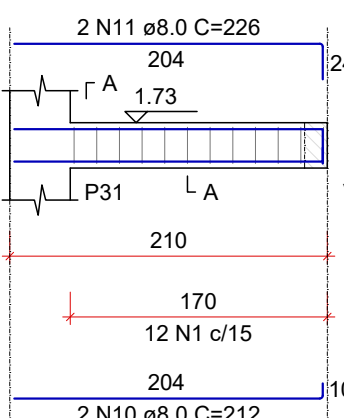
VB8
Escala 1:50



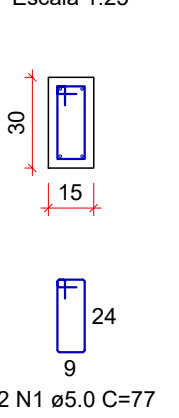
SEÇÃO A-A
Escala 1:25



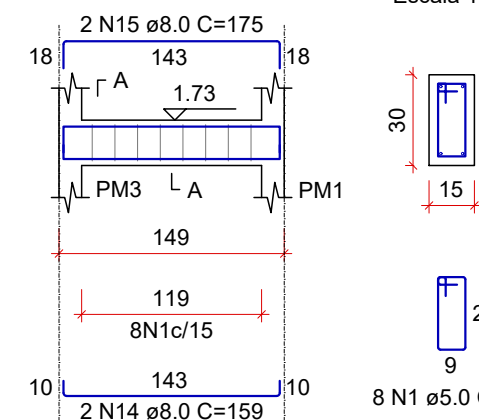
VB9
Escala 1:50



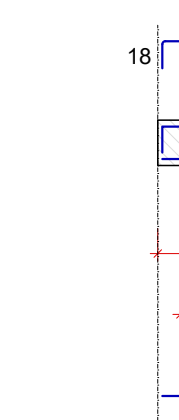
SEÇÃO A-A
Escala 1:25



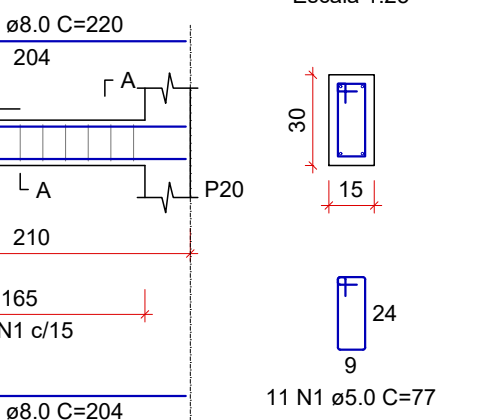
VB10
Escala 1:50



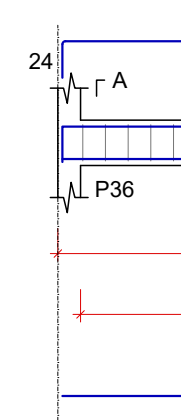
SEÇÃO A-A
Escala 1:25



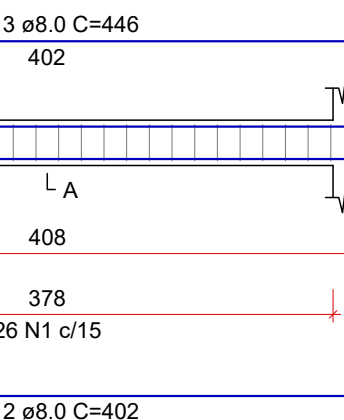
VB11
Escala 1:50



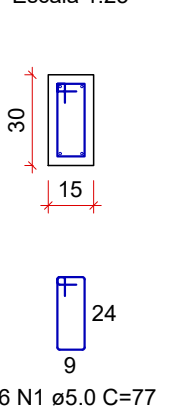
SEÇÃO A-A
Escala 1:25



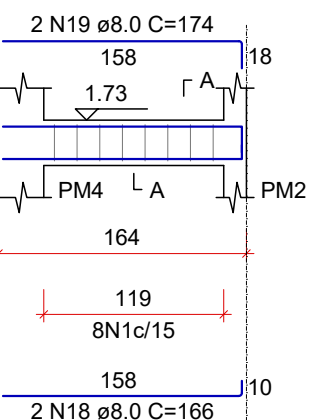
VB12
Escala 1:50



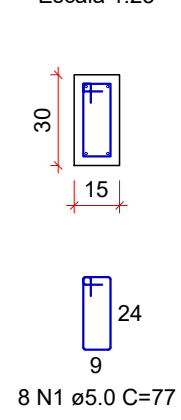
SEÇÃO A-A
Escala 1:25



VB13
Escala 1:50



SEÇÃO A-A
Escala 1:25



RELAÇÃO DO AÇO (PILARES)

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	860	82	70520
	2	6.3	144	27	3888
	3	6.3	144	102	14688
	4	10.0	48	331	15888
	5	10.0	112	277	31024
	6	10.0	16	192	3072

RESUMO DO AÇO (PILARES)

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	891	82	239.8
	10.0	499.8	46	339

PESO TOTAL (kg)
CA50 578.8

Volume de concreto (C-30) = 5.56 m³
Área de forma = 109.45 m²

RELAÇÃO DO AÇO (VIGAS BALDRAME NÍVEL 1,19)

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	67	77	5159
CA50	2	8.0	4	299	1196
	3	8.0	8	294	2352
	4	8.0	4	317	1268

RESUMO DO AÇO (VIGAS BALDRAME NÍVEL 1,19)

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	48.2	5	20.9
CA60	5.0	51.6	5	8.7

PESO TOTAL (kg)
CA50 20.9
CA60 8.7

Volume de concreto (C-30) = 0.44 m³
Área de forma = 9.21 m²

RELAÇÃO DO AÇO (VIGAS BALDRAME NÍVEL 1,73)

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	244	77	18788
CA50	2	8.0	2	409	818
	3	8.0	2	441	882
	4	8.0	2	639	1278
	5	8.0	2	671	1342
	6	8.0	8	394	3152
	7	8.0	4	269	1076
	8	8.0	2	269	538
	9	8.0	2	285	570
	10	8.0	4	212	848
	11	8.0	4	226	904
	12	8.0	4	402	1608
	13	8.0	4	446	1784
	14	8.0	2	159	318
	15	8.0	2	175	350
	16	8.0	2	204	408
	17	8.0	2	220	440
	18	8.0	2	166	332
	19	8.0	2	174	348

RESUMO DO AÇO (VIGAS BALDRAME NÍVEL 1,73)

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	170	16	73.8
CA60	5.0	187.9	16	51.9

PESO TOTAL (kg)
CA50 73.8
CA60 51.9

Volume de concreto (C-30) = 1.60 m³
Área de forma = 31.27 m²

NOTAS:
Cotas em centímetros;
Níveis em metros.

REV. 00	08/08/22	EMIÇÃO INICIAL	DAC
REVISÃO	DATA	DESCRIÇÃO	RESP.



PROJETO	GERÊNCIA DE PROJETOS PEDRO HENRIQUE JUSTINIANO COORDENAÇÃO DE PROJETOS ALOISIO CAETANO FERREIRA RESPONSÁVEL TÉCNICO ENGRº CIVIL FLÁVIA C. BARBOSA PROJETO ENGRº CIVIL WILLIAM BARADEL LARI DESENHO DAVI VELOSO ALVES
DAC engenharia Rua Miguel Vianna, nº 81, Sala 12 Bairro Morro Chic CEP: 37500-080 - Itajubá / MG Tel: (35) 3623-5720 www.dacengenharia.com.br	

EMPREENDIMENTO	REFORMA E AMPLIAÇÃO DA E.M. DR. JOSÉ RIBEIRO DE CARVALHO
ENDEREÇO	RUA DAS HORTÊNCIAS - B. CONJ. H. R. DAS MARGARIDAS SANTA RITA DO SAPUCAÍ - MINAS GERAIS
ASSUNTO	PROJETO ESTRUTURAL DETALHE DOS PILARES - COBERTURA E CASA DE MÁQUINAS DETALHAMENTO DAS VIGAS BALDRAME
DISCIPLINA	ESTRUTURAL
FASE DO PROJETO	EXECUTIVO
FOLHA Nº.	07/12
DATA INICIAL	08/08/2022
ESCALA	INDICADA
REVISÃO	R00
ARQUIVO	DAC-PMSRS-JRC-FSI/PE-EST-R00.DWG