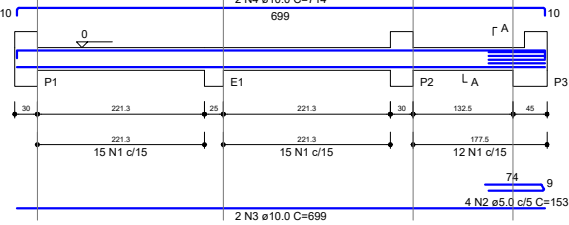


VIGAS DO BALDRAME

ESCALA1:50 E 1:25

VB1 (15 x 30)

ESC 1:50

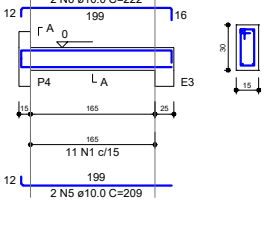


SEÇÃO A-A
ESC 1:25

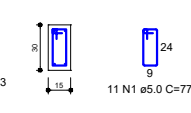


VB2 (15 x 30)

ESC 1:50

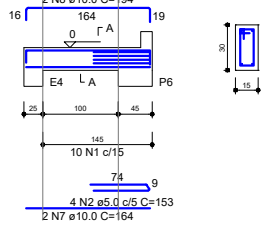


SEÇÃO A-A
ESC 1:25

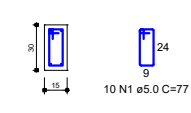


VB3 (15 x 30)

ESC 1:50

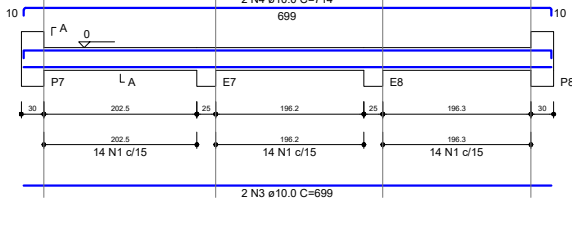


SEÇÃO A-A
ESC 1:25

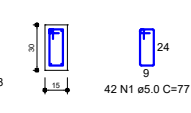


VB4 (15 x 30)

ESC 1:50

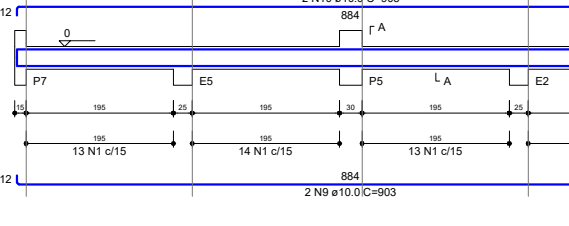


SEÇÃO A-A
ESC 1:25

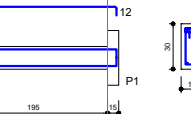


VB5 (15 x 30)

ESC 1:50

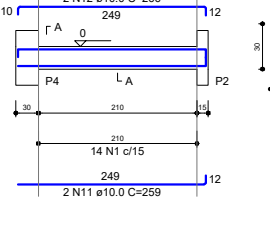


SEÇÃO A-A
ESC 1:25

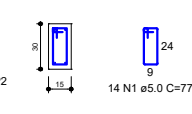


VB6 (15 x 30)

ESC 1:50

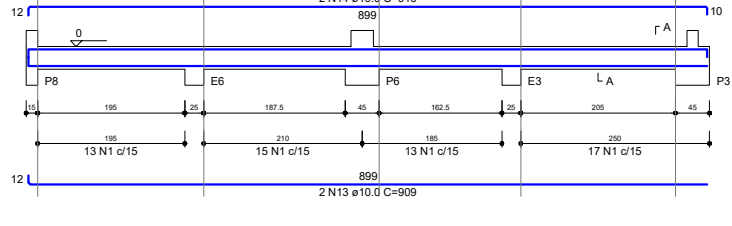


SEÇÃO A-A
ESC 1:25

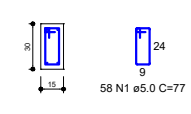


VB7 (15 x 30)

ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

VB4 VB7		VB5		VB6	
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	238	77	17710
CA50	2	5.0	153	153	1224
	3	10.0	696	696	2786
	4	10.0	714	2854	2854
	5	10.0	205	418	418
	6	10.0	222	444	444
	7	10.0	164	328	328
	8	10.0	194	388	388
	9	10.0	222	903	1806
	10	10.0	222	903	1806
	11	10.0	259	259	518
12	10.0	2	266	532	532
13	10.0	2	909	909	1818
14	10.0	2	918	918	1832

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	155.4	105.4
CA60	5.0	189.3	32.1
PESO TOTAL (kg)			
CA50	105.4		
CA60	32.1		

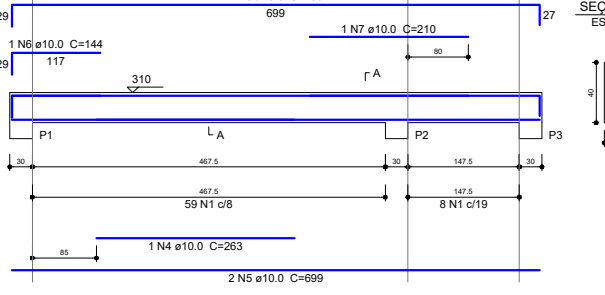
Volume de concreto (C-25) = 1.51 m³
Área de forma = 25.16 m²

VIGAS DA COBERTURA

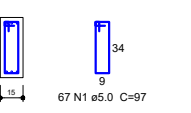
ESCALA1:50 E 1:25

VC1 (15 x 40)

ESC 1:50

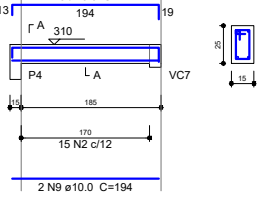


SEÇÃO A-A
ESC 1:25



VC2 (15 x 25)

ESC 1:50

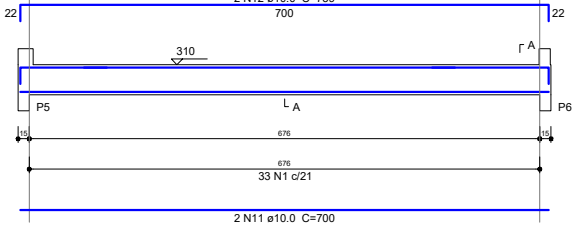


SEÇÃO A-A
ESC 1:25

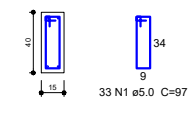


VC3 (15 x 40)

ESC 1:50

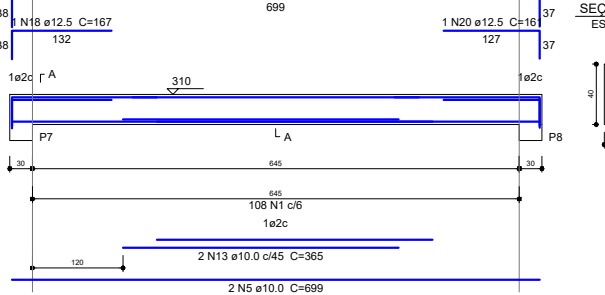


SEÇÃO A-A
ESC 1:25

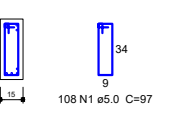


VC4 (15 x 40)

ESC 1:50

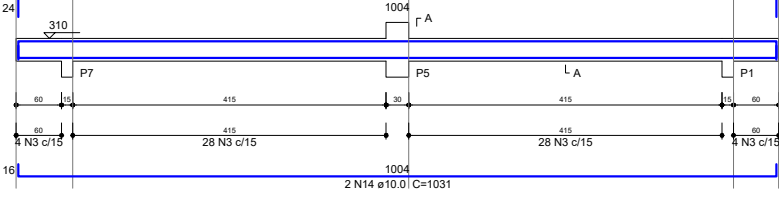


SEÇÃO A-A
ESC 1:25

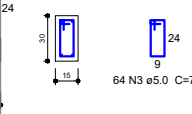


VC5 (15 x 30)

ESC 1:50

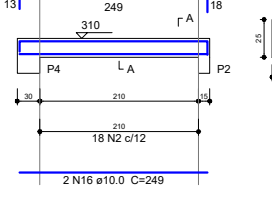


SEÇÃO A-A
ESC 1:25

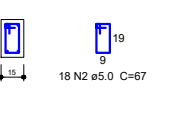


VC6 (15 x 25)

ESC 1:50

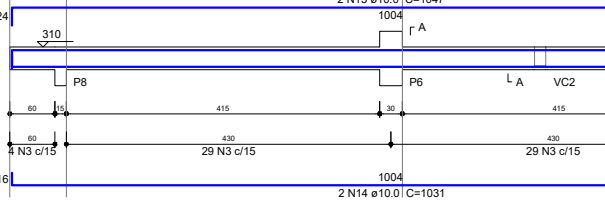


SEÇÃO A-A
ESC 1:25



VC7 (15 x 30)

ESC 1:50



SEÇÃO A-A
ESC 1:25



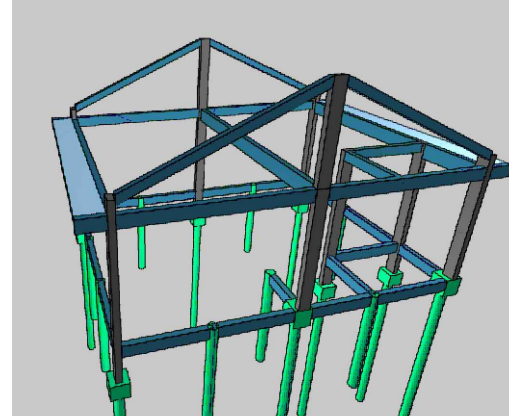
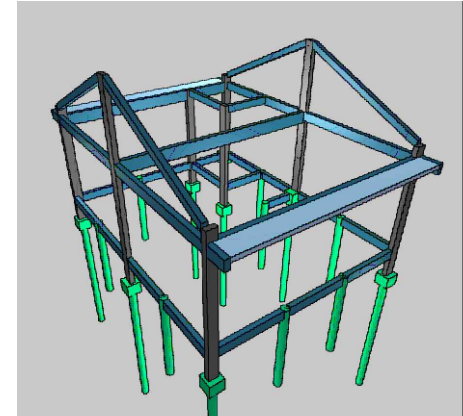
Relação do aço

VC1 VC4 VC7	VC2 VC5	VC3 VC6			
AÇO					
	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	208	97	20176
	2	5.0	33	67	2211
CA50	3	5.0	130	77	10010
	4	10.0	1	263	263
	5	10.0	4	699	2796
	6	10.0	1	144	144
	7	10.0	1	210	210
	8	10.0	2	750	1500
	9	10.0	2	194	388
	10	10.0	2	221	442
	11	10.0	2	700	1400
	12	10.0	2	739	1478
	13	10.0	2	365	730
	14	10.0	4	1031	4124
	15	10.0	4	1047	4188
	16	10.0	2	249	498
	17	10.0	2	275	550
	18	12.5	1	167	167
	19	12.5	2	768	1536
	20	12.5	1	161	161

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	187.2	126.9
CA60	5.0	324	54.9
PESO TOTAL (kg)			
CA50	146.6		
CA60	54.9		

Volume de concreto (C-25) = 2.18 m³
Área de forma = 33.44 m²



SALA DA BIBLIOTECA INFANTIL

PROJETO ESTRUTURAL

LOCAL CMEI LEOPOLDINA CHUDEK Rua Antonio Lopes, s/n Bairro Centro - Irati Paraná		TIPO DE OBRA AMPLIAÇÃO EM ALVENARIA	
REFERÊNCIAS VIGAS BALDRAME E COBERTURA		DATA DEZ/2023	PRANCHA 03/05
PROPRIETÁRIO Prefeitura Municipal de Irati CNPJ 75.654.574/0001-82		RESPONSÁVEL TÉCNICO Arq. Diogenes Dittich CAU-PR. A86747-0	

