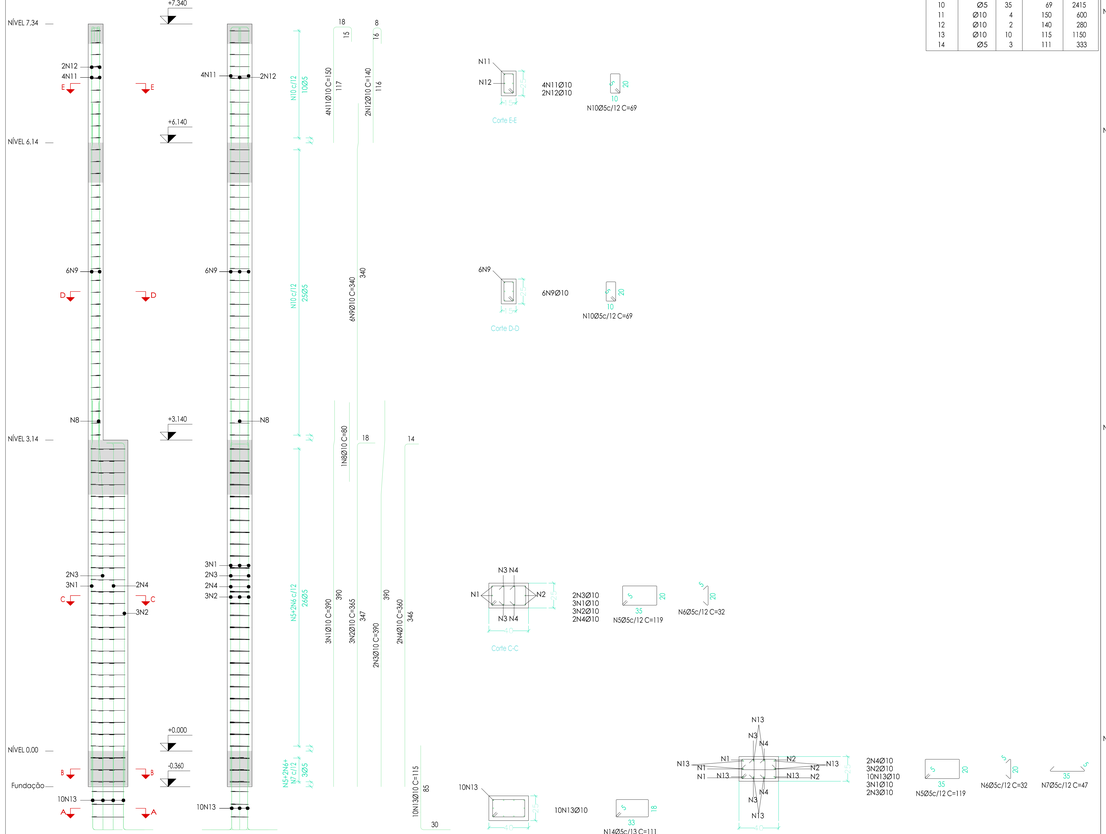
P7

Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
1	Ø10	3	390	1170
2	Ø10	3	365	1095
3	Ø10	2	390	780
4	Ø10	2	360	720
5	Ø5	29	119	3451
6	Ø5	58	32	1856
7	Ø5	3	47	141
8	Ø10	1	80	80
9	Ø10	6	340	2040
10	Ø5	35	69	2415
11	Ø10	4	150	600
12	Ø10	2	140	280
13	Ø10	10	115	1150
14	Ø5	3	111	333

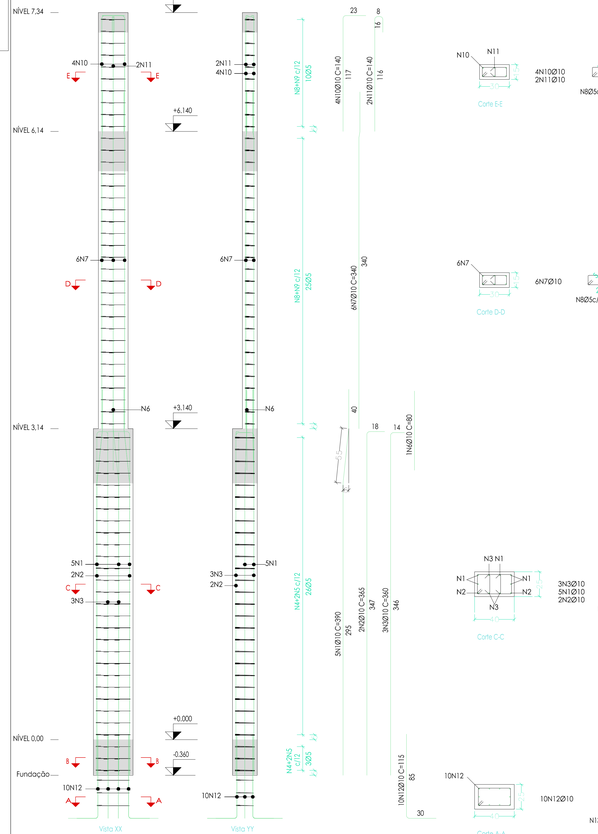


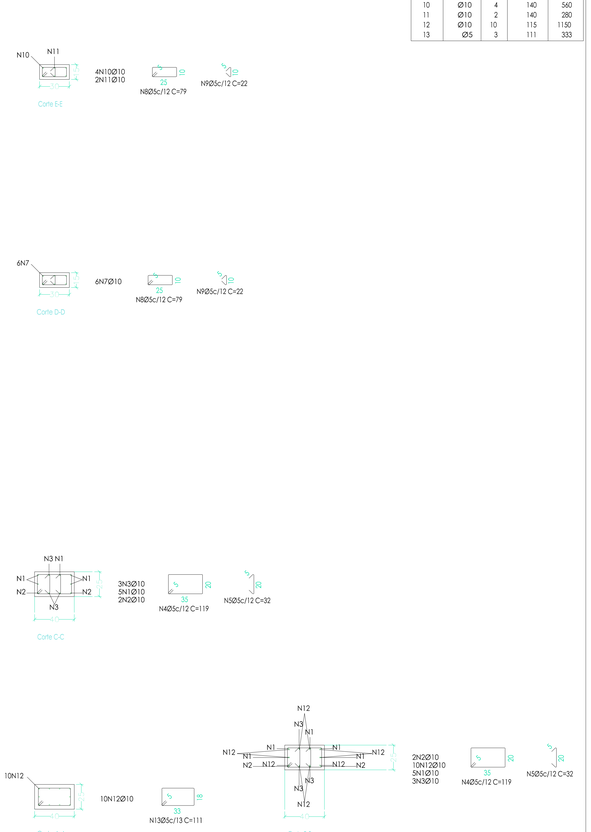
Escala 1:20

Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m3)
		Tipo C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)	
		Volume (m3)	Fôrmas (m2)				
NÍVEL 7.34	15x25	0.05	0.96	5.4	1.1	7.2	144.44
NÍVEL 6.14		0.11	2.40	12.6	2.7	16.8	150.00
NÍVEL 3.14	40x25	0.31	4.08	0.5	7.5	8.8	25.48
NÍVEL 0.00		0.04	0.47	23.2	1.1	26.9	670.00
Total		0.51	7.91	41.7	12.3	59.5	106.60

P8

Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
1	Ø10	5	390	1950
2	Ø10	2	365	730
3	Ø10	3	360	1080
4	Ø5	29	119	3451
5	Ø5	58	32	1856
6	Ø10	1	80	80
7	Ø10	6	340	2040
8	Ø5	35	79	2765
9	Ø5	35	22	770
10	Ø10	4	140	560
11	Ø10	2	140	280
12	Ø10	10	115	1150
13	Ø5	3	111	333





Escala 1:20

Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m3)
		Tipo C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)	
		Volume (m3)	Fôrmas (m2)				
NÍVEL 7.34	30x15	0.05	1.08	5.2	1.6	7.5	125.93
NÍVEL 6.14		0.14	2.70	12.6	4.0	18.3	122.96
NÍVEL 3.14	40x25	0.31	4.08	0.5	7.5	8.8	25.48
NÍVEL 0.00		0.04	0.47	23.2	1.1	26.5	669.44
Total		0.54	8.33	41.4	13.9	61.1	102.97

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P7	1	Ø10	3				390	1170	7.2	
	2	Ø10	3				365	1095	6.7	
	3	Ø10	2				390	780	4.8	
	4	Ø10	2				360	720	4.4	
	5	Ø5	29				119	3451		5.4
	6	Ø5	58				32	1856		2.9
	7	Ø5	3				47	141		0.2
	8	Ø10	1				80	80	0.5	
	9	Ø10	6				340	2040	12.6	
	10	Ø5	35				69	2415		3.8
	11	Ø10	4				150	600	3.7	
	12	Ø10	2				140	280	1.7	
	13	Ø10	10				115	1150	7.1	
	14	Ø5	3				111	333		0.5
							Total+10%:		53.6	14.1
P8	1	Ø10	5				390	1950	12.0	
	2	Ø10	2				365	730	4.5	
	3	Ø10	3				360	1080	6.7	
	4	Ø5	29				119	3451		5.4
	5	Ø5	58				32	1856		2.9
	6	Ø10	1				80	80	0.5	
	7	Ø10	6				340	2040	12.6	
	8	Ø5	35				79	2765		4.3
	9	Ø5	35				22	770		1.2
	10	Ø10	4				140	560	3.5	
	11	Ø10	2				140	280	1.7	
	12	Ø10	10				115	1150	7.1	
	13	Ø5	3				111	333		0.5
							Total+10%:		53.5	15.7
							Ø5:		0.0	29.8
							Ø10:		107.1	0.0
							Total:		107.1	29.8

CSPB - BARBAGALLO

GIULIANO BARBAGALLO
ENGENHEIRO CIVIL CREA 5069067476
ROD. FRANCISCO NEVES, 1940 CAIPIM AZEDO-IBIRAMA/SP FONE: 15 - 99793-0613

GIULIANO BARBAGALLO:30197886841

Assinado de forma digital por GIULIANO BARBAGALLO:30197886841
Dados: 2026.03.31 10:14:55 -03'00'

ASSUNTO	PILARES		ART: 2620260778629
PROPRIETÁRIO	CAMARA MUNICIPAL DA ESTANCIA TURISTICA DE IBIUNA		
ESCALA	INDICADAS	DATA 02/2026	DES. GIULIANO
			FL. 05/19