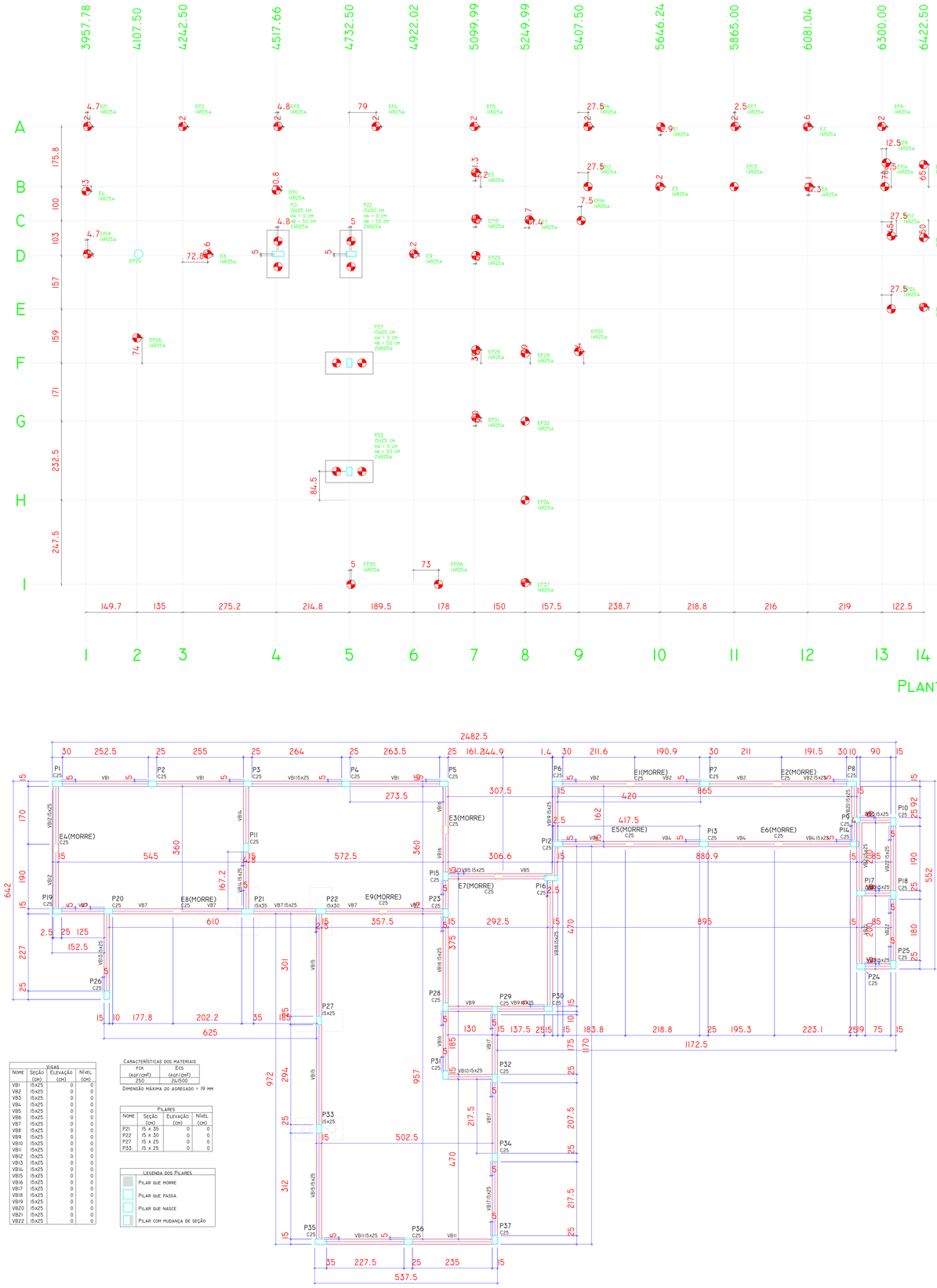


PLANTA DE LOCAÇÃO

ESCALA 1:50

VIGAS			
NOME	SEÇÃO (cm)	ELEVAÇÃO (cm)	NÍVEL (cm)
VB1	15x25	0	0
VB2	15x25	0	0
VB3	15x25	0	0
VB4	15x25	0	0
VB5	15x25	0	0
VB6	15x25	0	0
VB7	15x25	0	0
VB8	15x25	0	0
VB9	15x25	0	0
VB10	15x25	0	0
VB11	15x25	0	0
VB12	15x25	0	0
VB13	15x25	0	0
VB14	15x25	0	0
VB15	15x25	0	0
VB16	15x25	0	0
VB17	15x25	0	0
VB18	15x25	0	0
VB19	15x25	0	0
VB20	15x25	0	0
VB21	15x25	0	0
VB22	15x25	0	0

CARACTERÍSTICAS DOS MATERIAIS

FCK (kgf/cm²)	ECS (kgf/cm²)
250	24.1500

DIMENSÃO MÁXIMA DO AGREGADO = 19 MM

PILARES			
NOME	SEÇÃO (cm)	ELEVAÇÃO (cm)	NÍVEL (cm)
P21	15 x 35	0	0
P22	15 x 30	0	0
P27	15 x 25	0	0
P33	15 x 25	0	0

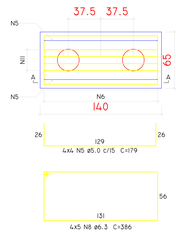
LEGENDA DOS PILARES

- PILAR QUE MORRE
- PILAR QUE PASSA
- PILAR QUE NASCE
- PILAR COM MUDANÇA DE SEÇÃO

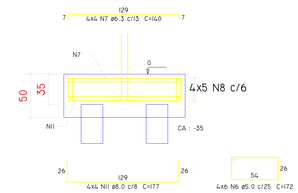
FORMA DO PAVIMENTO BALDRAME (NÍVEL 0)

ESCALA 1:50

B21=B22=B27=B33
2xR25A
PLANTA
ESC 1:25



CORTE A-A
ESC 1:25



RELAÇÃO DO AÇO

B33

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	4.2	4	87	348
	2	4.2	4	23	92
	3	4.2	4	77	308
	4	4.2	8	67	536
CA50	5	5.0	16	179	2864
	6	5.0	24	172	4128
	7	6.3	16	140	2240
	8	6.3	20	386	7720
	9	8.0	10	VAR	VAR
	10	8.0	8	VAR	VAR
	11	8.0	16	177	2832
	12	10.0	5	75	750
	13	12.5	8	94	752

RESUMO DO AÇO

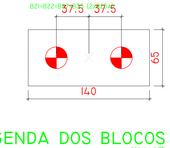
AÇO	DIAM (mm)	C.TOTAL (N)	PESO + 10 % (kg)
CA50	6.3	99.6	26.8
	8.0	37.7	16.4
	10.0	7.5	5.1
	12.5	7.6	8
CA60	4.2	12.9	1.5
	5.0	70	11.9

PESO TOTAL (kg)

CA50	56.2
CA60	13.4

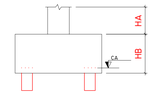
VOLUME DE CONCRETO (C-25) = 1.82 m³
ÁREA DE FORMA = 9.43 m²

B21=B22=B27=B33 (2xR25A)



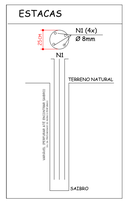
LEGENDA DOS BLOCOS

ESCALA 1:25

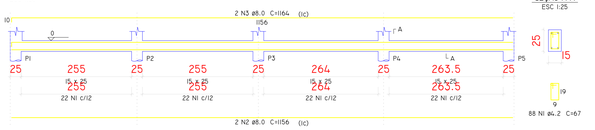


ESTACAS

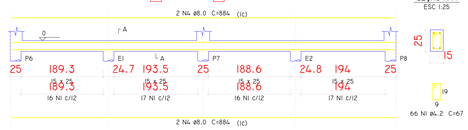
SIMBOLOGIA	NOME	Ø (cm)	QUANTIDADE
	R25A	25.00	49



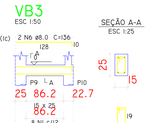
VB1
ESC 1:50



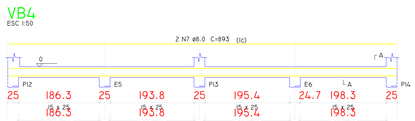
VB2
ESC 1:50



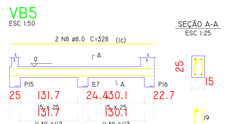
VB3
ESC 1:50



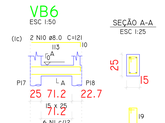
VB4
ESC 1:50



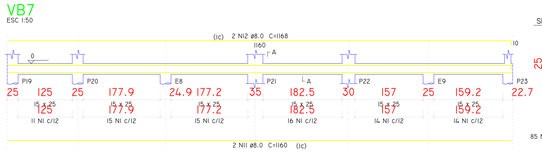
VB5
ESC 1:50



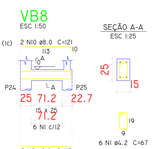
VB6
ESC 1:50



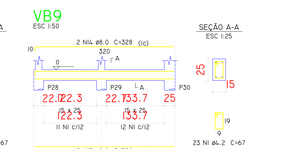
VB7
ESC 1:50



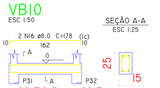
VB8
ESC 1:50



VB9
ESC 1:50

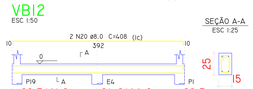


VB10
ESC 1:50



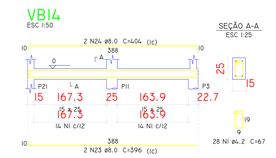
VB11
ESC 1:50

VB12
ESC 1:50

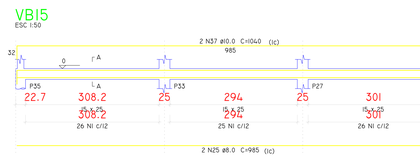


VB13
ESC 1:50

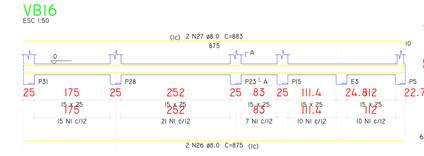
VB14
ESC 1:50



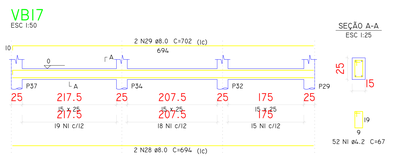
VB15
ESC 1:50



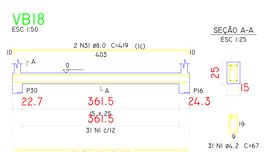
VB16
ESC 1:50



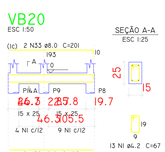
VB17
ESC 1:50



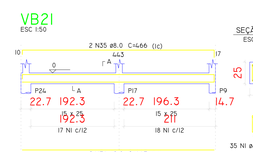
VB18
ESC 1:50



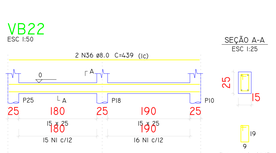
VB20
ESC 1:50



VB21
ESC 1:50



VB22
ESC 1:50



RELAÇÃO DO AÇO

VB1	VB2	VB3	
VB4	VB5	VB6	
VB7	VB8	VB9	
VB10	VB11	VB12	
VB13	VB14	VB15	
VB16	VB17	VB18	
VB20	VB21	VB22	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	4.2	799	67	53533
CA50	2	8.0	2	1156	2312
	3	8.0	2	1164	2328
	4	8.0	4	884	3536
	5	8.0	2	128	256
	6	8.0	2	136	272
	7	8.0	4	893	3572
	8	8.0	4	328	1312
	9	8.0	4	113	452
	10	8.0	4	121	484
	11	8.0	2	1160	2320
	12	8.0	2	1168	2336
	13	8.0	2	320	640
	14	8.0	2	328	656
	15	8.0	2	162	324
	16	8.0	2	178	356
	17	8.0	2	530	1060
	18	8.0	2	538	1076
	19	8.0	2	392	784
	20	8.0	2	408	816
	21	8.0	2	265	530
	22	8.0	2	281	562
	23	8.0	2	396	792
	24	8.0	2	404	808
	25	8.0	2	985	1970
	26	8.0	2	875	1750
	27	8.0	2	883	1766
	28	8.0	2	694	1388
	29	8.0	2	702	1404
	30	8.0	2	403	806
	31	8.0	2	419	838
	32	8.0	2	193	386
	33	8.0	2	201	402
	34	8.0	2	443	886
	35	8.0	2	466	932
	36	8.0	4	439	1756
	37	10.0	2	1040	2080

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (N)	PESO + 10 % (kg)
CA50	8.0	418.7	181.7
	10.0	20.8	14.1
CA60	4.2	535.4	64

PESO TOTAL (kg)

CA50	195.8
CA60	64

VOLUME DE CONCRETO (C-25) = 4.12 m³
ÁREA DE FORMA = 71.43 m²

PROJETO: **ESTRUTURAL** — CENTRO CIRÚRGICO E LABORATÓRIO		PRANCHA: **EST-01/02**
RESPONSÁVEL TÉCNICO: **ANTONIO VINCENZI** ENGENHEIRO CIVIL CREA - 10382 D/PR	PREFEITO / GESTÃO: ANTONELY C. A. DE CARVALHO 2017/2020 — IBAITI — Praça dos Três Poderes 23 - Fixo/Fax (43) 3546-7650 - CEP 84.900-000 IBAITI/PR	
DATA: AGOSTO 2017	DESENHO: ADILSON BERNARDES	OBRA: REFORMA E AMPLIAÇÃO DO HOSPITAL MUNICIPAL DE IBAITI