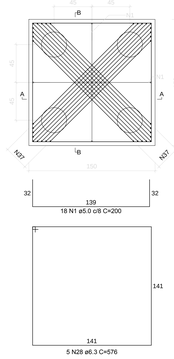
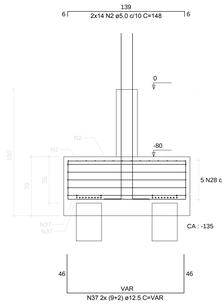
B18
4xHC30

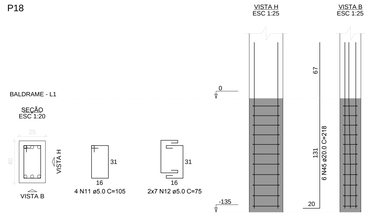
PLANTA
ESC 1:25



CORTE A-A = CORTE B-B
ESC 1:25

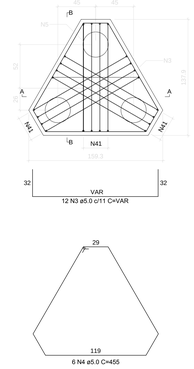


P18



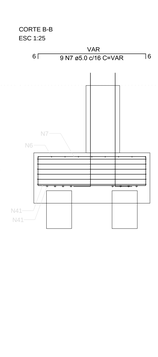
B20
3xHC30

PLANTA
ESC 1:25

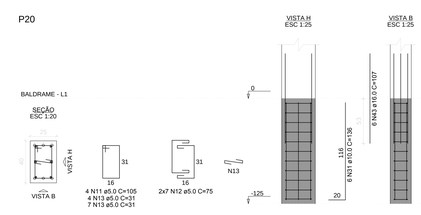


CORTE A-A
ESC 1:25

CORTE B-B
ESC 1:25

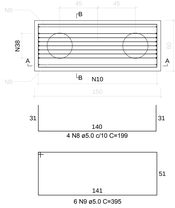


P20

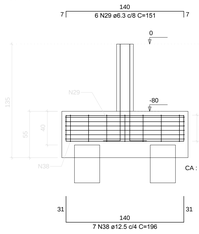


B30=B34=B40=B45=B50
2xHC30

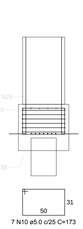
PLANTA
ESC 1:25



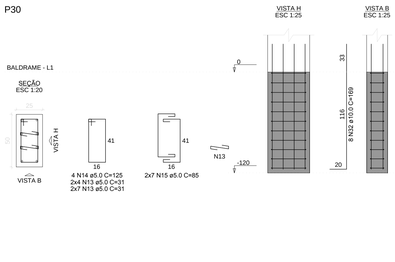
CORTE A-A
ESC 1:25



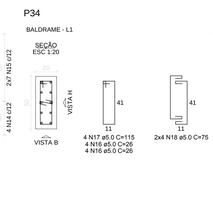
CORTE B-B
ESC 1:25



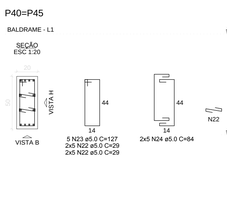
P30



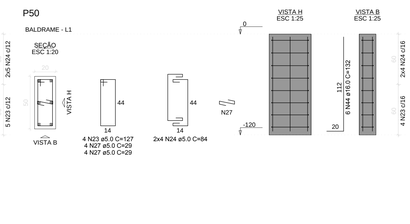
P34



P40=P45

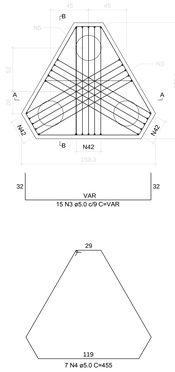


P50

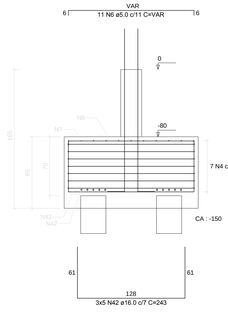


B38
3xHC30

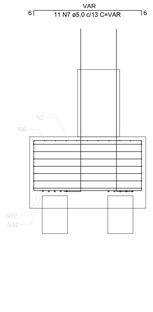
PLANTA
ESC 1:25



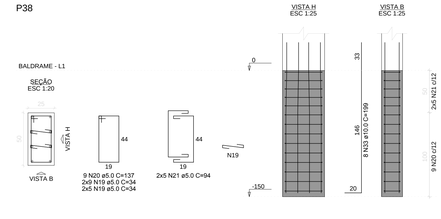
CORTE A-A
ESC 1:25



CORTE B-B
ESC 1:25

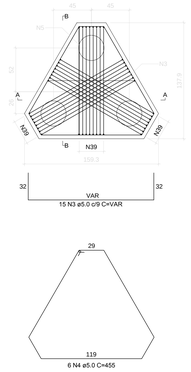


P38

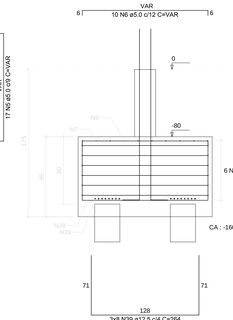


B43
3xHC30

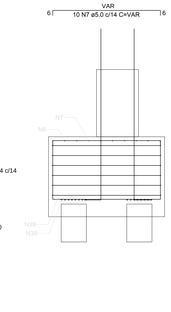
PLANTA
ESC 1:25



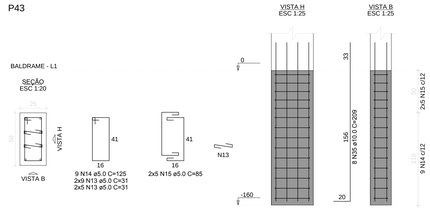
CORTE A-A
ESC 1:25



CORTE B-B
ESC 1:25

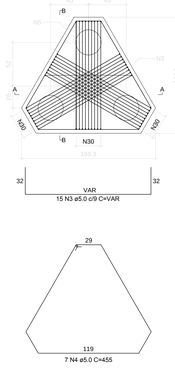


P43

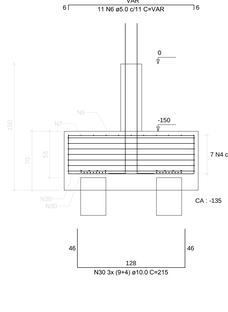


B44
3xHC30

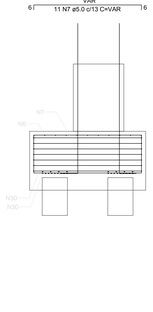
PLANTA
ESC 1:25



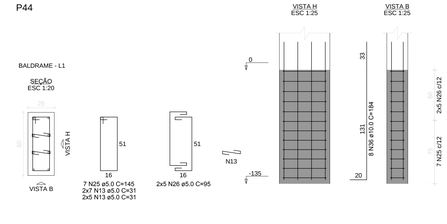
CORTE A-A
ESC 1:25



CORTE B-B
ESC 1:25



P44



Notas:

01 NBR6118:2014 – Classe de Agressividade Ambiental = II (estrutura revestida).
02 NBR6118:2014 – Concreto com fck=30MPa – Aço CA–50.
03 NBR6118:2014 – Cobrimentos fixados nas respectivas plantas de detalhes de armações. Controle rigoroso das formas.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro; níveis em metro.

RELAÇÃO DO AÇO

B18 B20 B30
5xB40 B45 B34
P18 P20 P34
P38 P40 5xB40
P43 P44 P50

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	86	200	7208
	2	5.0	57	140	4447
	3	5.0	57	VAR	VAR
	4	5.0	57	VAR	VAR
	5	5.0	95	VAR	VAR
	6	5.0	57	VAR	VAR
	7	5.0	43	VAR	VAR
	8	5.0	43	VAR	VAR
	9	5.0	43	395	2688
	10	5.0	30	395	1356
	11	5.0	30	395	1356
	12	5.0	8	105	1428
	13	5.0	8	105	1428
	14	5.0	13	140	2520
	15	5.0	8	140	1428
	16	5.0	8	95	952
	17	5.0	8	140	2380
	18	5.0	8	70	952
	19	5.0	8	70	952
	20	5.0	8	70	952
	21	5.0	8	70	952
	22	5.0	8	70	952
	23	5.0	43	29	1162
	24	5.0	43	29	1162
	25	5.0	43	54	2264
	26	5.0	43	54	2264
	27	5.0	43	54	2264
	28	5.0	8	570	2888
	29	5.0	8	570	2888
CA50	30	10.0	59	216	6350
	31	10.0	59	216	6350
	32	10.0	8	199	1592
	33	10.0	8	199	1592
	34	10.0	8	199	1592
	35	10.0	8	199	1592
	36	10.0	8	199	1592
	37	12.5	82	VAR	VAR
	38	12.5	82	VAR	VAR
	39	12.5	82	VAR	VAR
	40	12.5	34	264	4539
	41	12.5	34	264	4539
	42	16.0	12	193	2316
	43	16.0	12	193	2316
	44	16.0	6	107	642
	45	20.0	6	219	1314

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	5.0	74.1	32.2
	10.0	184.3	113.8
	12.5	109.4	105.4
	16.0	73	110.5
	20.0	13	32.1
CA60	5.0	1005.3	157.5

PESO TOTAL (kg)

CA50	4681.1
CA60	157.5

Volume de concreto (C-30) = 0.88 m³
Área de forma = 58.41 m²

ENGEDER
ENGENHARIA E ARQUITETURA
Avenida Atlântico, 80 – Itapirubá – Imbituba/SC – fone: (48)3255–3163

OBRA: PRÉDIO MEDICINA – C. TEÓFILO OTONI
PROPRIETÁRIO: UFVJM – MG

AUTOR: MAICON M. MORAIS–CREA/SC 129409–0
RESP. TÉCNICO: Eng. Maicon M. Morais –CREA/SC 129409–0
ESCALA: INDICADA
DESENHO: MAICON
DATA: Setembro/2018
PRANCHA: 08/41
CONTEÚDO: Armação blocos e arranques.
Nº DESENHO: UFV–ENG–EST–PE–008
ÁREA: 1551,00 m²