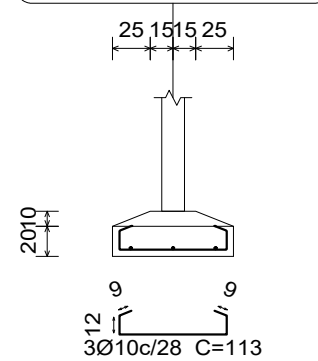
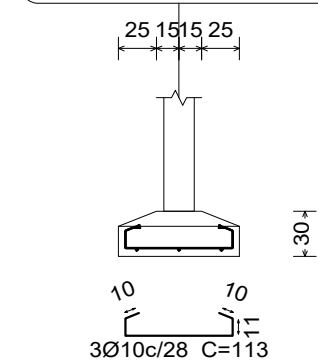


P1, P2, P3, P5, P6, P7 e P8

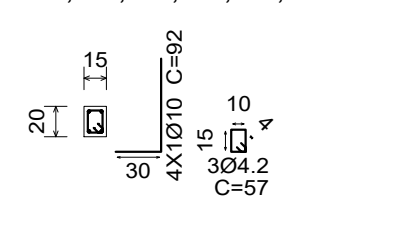
(P1, P2, P3, P5, P6, P7 e P8)



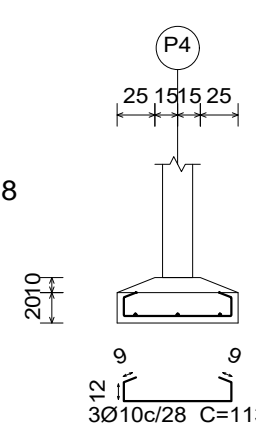
(P1, P2, P3, P5, P6, P7 e P8)



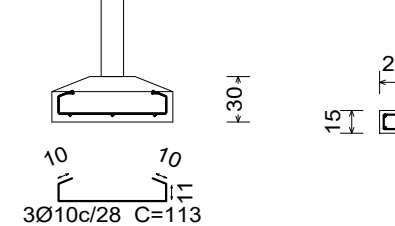
P1, P2, P3, P5, P6, P7 e P8



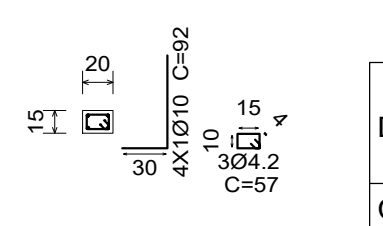
P4



P4



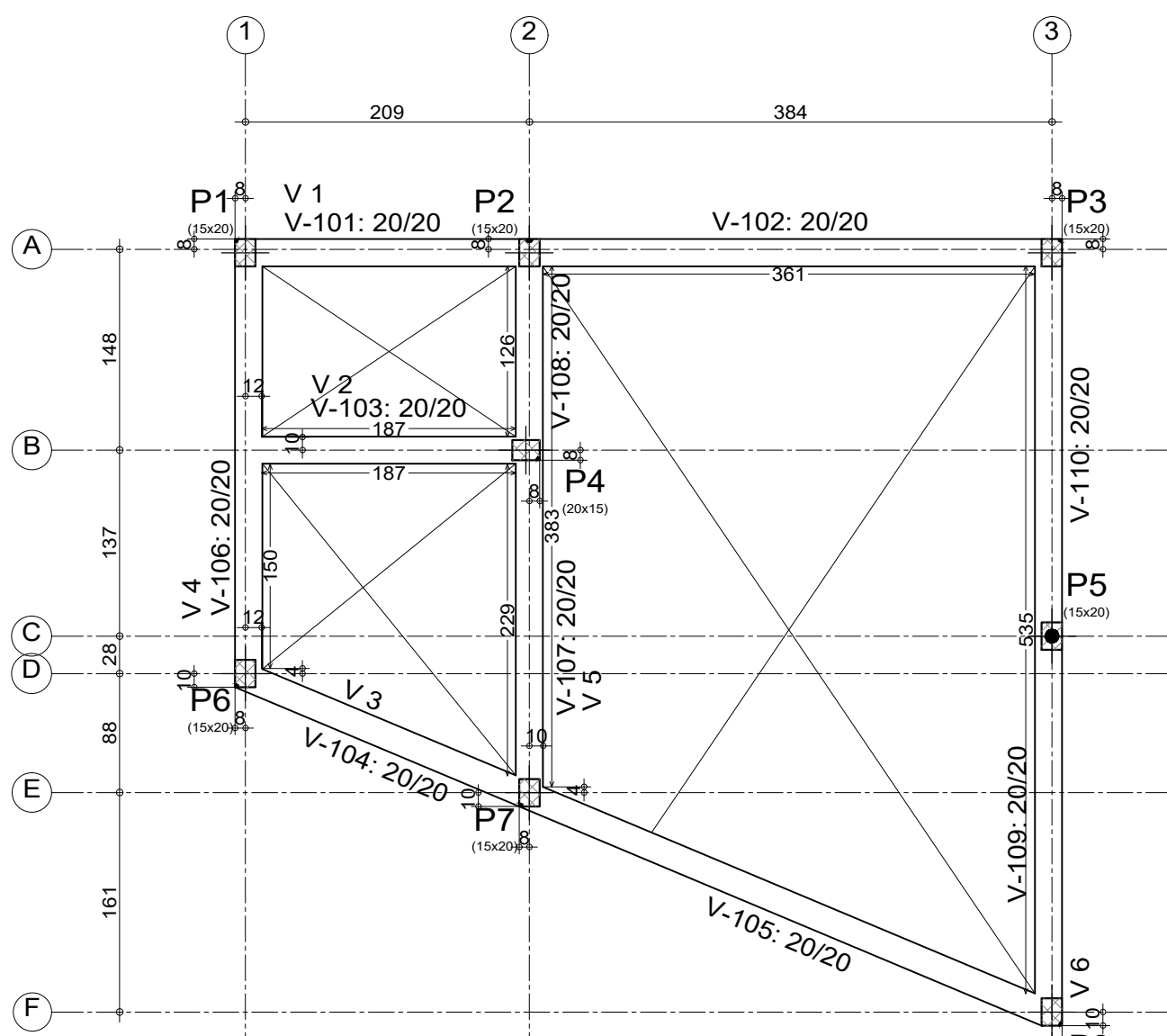
P4



Resumo Aço	Comp. total	Peso+10%	Total
CA-50 Ø6.3	122.8	33	33
CA-60 Ø5	170.0	29	29
Total			62

Resumo Aço	Comp. total	Peso+10%	Total
CA-50 Ø6.3	15.0	4	4
CA-60 Ø5	20.2	3	3
Total			7

Referências	Dimensões (cm)	Altura (cm)	Armadura inf. X	Armadura inf. Y
P1, P2, P3, P4, P5, P6, P7 e P8	80x80	30 / 20	3Ø10c/28	3Ø10c/28

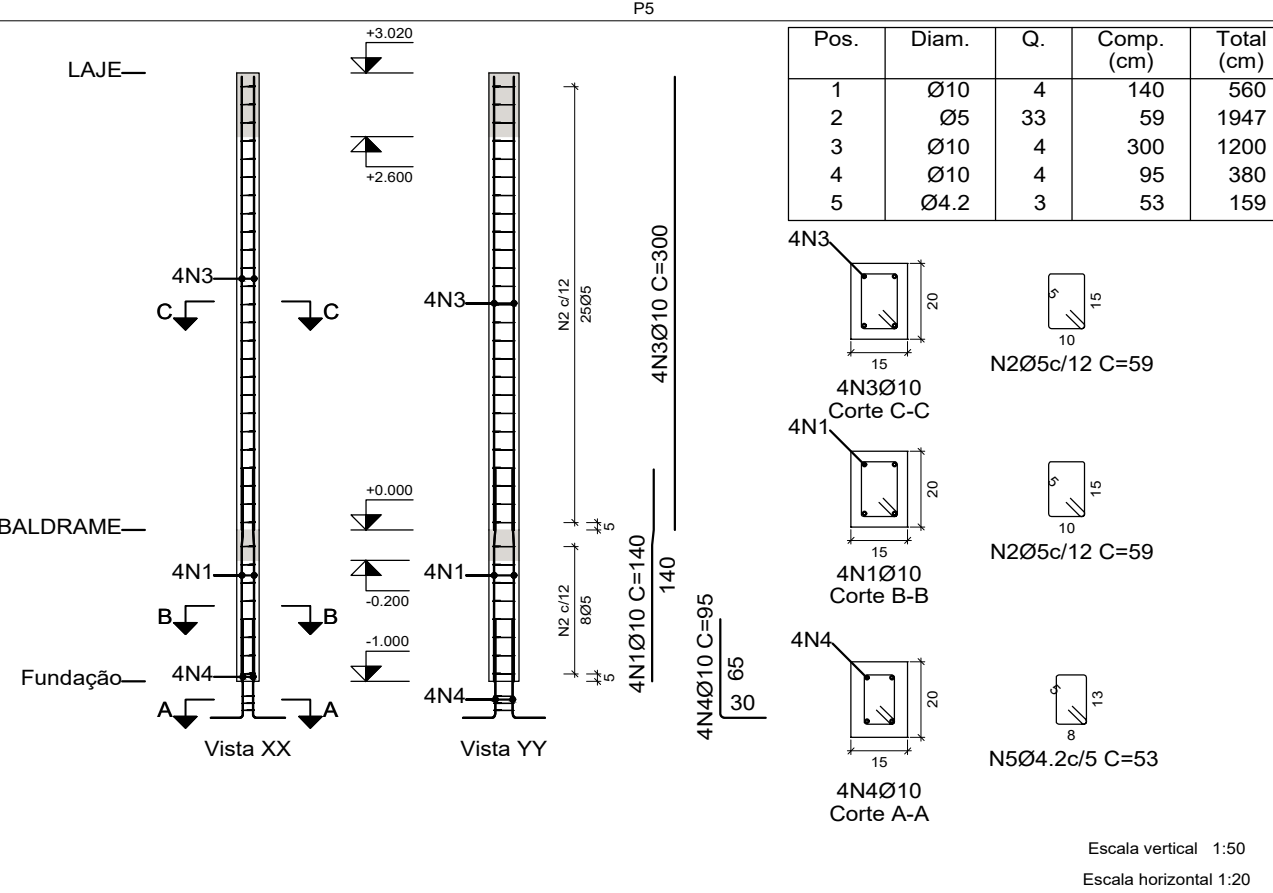


FORMA DA FUNDAÇÃO (Central de Segurança)

ESCALA: 1/50

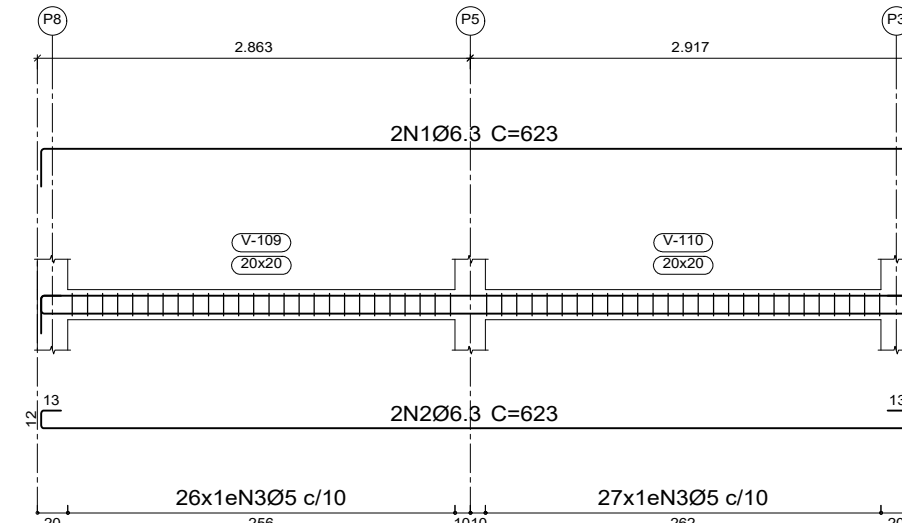
Elemento	Formas (m ²)	Volume (m ³)	Barra (kg)
Vigas: fundo	5.08	1.12	63
Forma lateral	10.15		
Pilares (Sup. Formas)	4.48	0.16	89
Total	19.71	1.28	152
Índices (por m ²)	3.705	0.241	28.57

Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
1	Ø10	4	395	1580
2	Ø5	33	59	1947
3	Ø10	4	95	380
4	Ø4.2	3	53	159

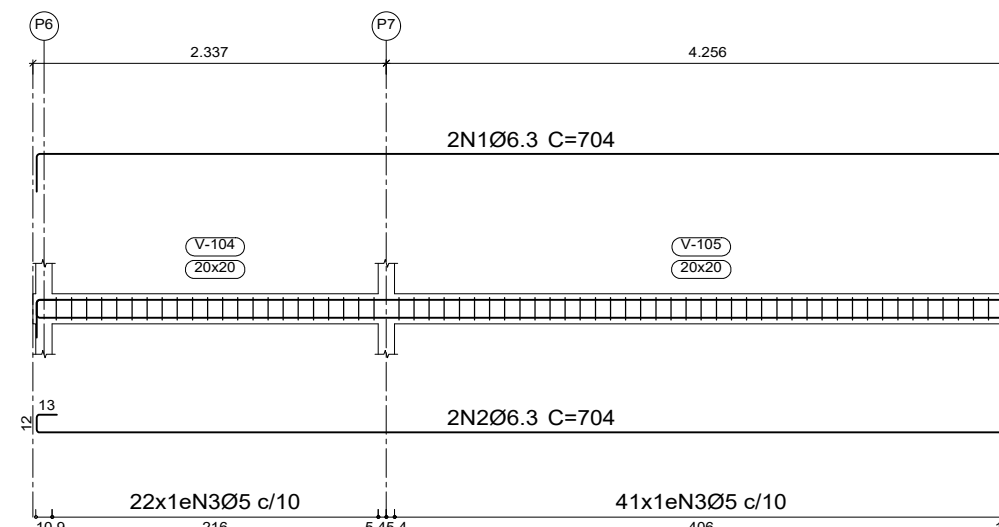


Resumo Aço	Comp. total	Peso+10%	Total
CA-50 Ø10	177.8	121	121
CA-60 Ø4.2	12.7	2	31
CA-60 Ø5	165.8	29	31
Total			152

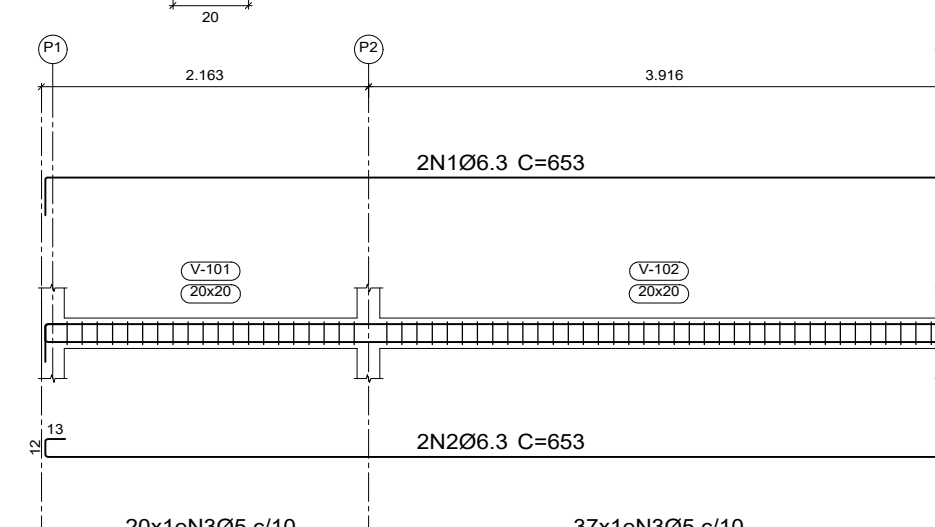
V 6



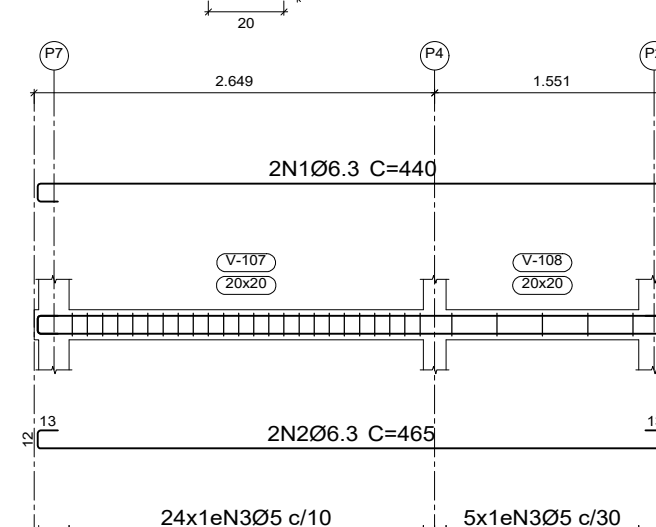
V 3



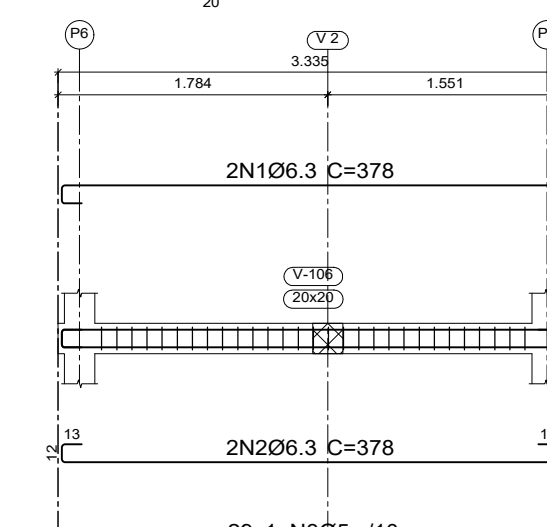
V 1



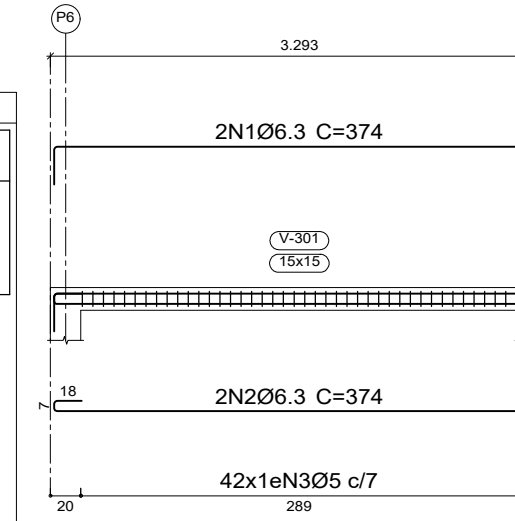
V 5



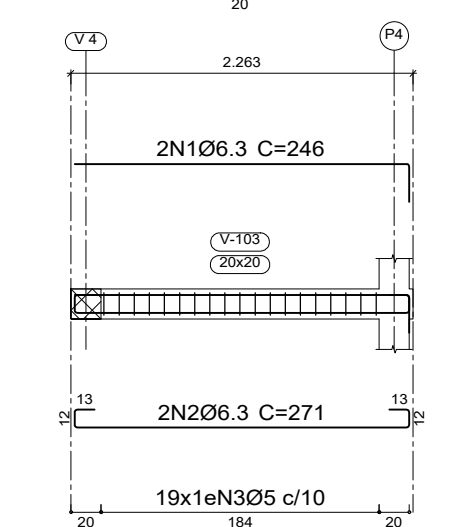
V 4



V 1



V 2



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	Ø6.3	2		603	653	1306	3.2
	2	Ø6.3	2		603	653	1306	3.2
	3	Ø5	57		15	68	3876	6.1
Total+10%:							7.0	6.7
V 3	1	Ø6.3	2		654	704	1408	3.4
	2	Ø6.3	2		654	704	1408	3.4
	3	Ø5	63		15	68	4284	6.7
Total+10%:							7.5	7.4
V 4	1	Ø6.3	2		338	378	756	1.9
	2	Ø6.3	2		338	378	756	1.9
	3	Ø5	29		15	68	1972	3.1
Total+10%:							4.2	3.4
V 5	1	Ø6.3	2		415	440	880	2.2
	2	Ø6.3	2		415	465	930	2.3
	3	Ø5	29		15	68	1972	3.1
Total+10%:							5.0	3.4
V 6	1	Ø6.3	2		573	623	1246	3.1
	2	Ø6.3	2		573	623	1246	3.1
	3	Ø5	53		15	68	3604	5.7
Total+10%:							6.8	6.3
V 2	1	Ø6.3	2		221	246	492	1.2
	2	Ø6.3	2		221	271	542	1.3
	3	Ø5	19		15	68	1292	2.0
Total+10%:							2.8	2.2
V 1	1	Ø6.3	2		324	374	748	1.8
	2	Ø6.3	2		324	374	748	1.8
	3	Ø5	42		10	48	2016	3.2
Total+10%:							4.0	3.5
Ø5:							0.0	32.9
Ø6.3:							37.3	0.0
Total:							37.3	32.9

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P1=P6	1	Ø10	4		370	420	1680	10.4
	2	Ø5	43		15	59	2537	4.0
	3	Ø10	4		142	170	680	4.2
	4	Ø10	4		65	95	380	2.3
	5	Ø4.2	3		13	53	159	0.2
Total+10%:							18.6	4.6
(x2):							37.2	9.2
P2	1	Ø10	4		388	415	1660	10.2
	2	Ø5	32		15	59	1888	3.0
	3	Ø10	4		65	95	380	2.3
	4	Ø4.2	3		13	53	159	0.2
Total+10%:							13.8	3.5
P3=P8	1	Ø10	4		388	415	1660	10.2
	2	Ø5	32		15	59	1888	3.0
	3	Ø10	4		65	95	380	2.3
	4	Ø4.2	3		13	53	159	0.2
Total+10%:							13.8	3.5
(x2):							27.6	7.0
P7	1	Ø10	4		388	425	1700	10.5
	2	Ø5	33		15	59	1947	3.1
	3	Ø10	4		65	95	380	2.3
	4	Ø4.2	3		13	53	159	0.2
Total+10%:							14.1	3.6
P4	1	Ø10	4		395	395	1580	9.7
	2	Ø5	33		15	59	1947	3.1
	3	Ø10	4		65	95	380	2.3
	4	Ø4.2	3		13	53	159	0.2
Total+10%:							13.2	3.6
P5	1	Ø10	4		30	140	560	3.5
	2	Ø5	33		15	59	1947	3.1
	3	Ø10	4		300	300	1200	7.4
	4	Ø10	4		65	95	380	2.3
	5	Ø4.2	3		13	53	159	0.2
Total+10%:							14.5	3.6
Ø4.2:							0.0	1.6
Ø5:							0.0	28.9
Ø10:							120.4	0.0
Total:							120.4	30.5

DESCRIÇÃO:

Projeto da estrutura em concreto armado para construção da CENTRAL DE SEGURANÇA do Parque Maria dos Anjos, no município de Toritama - PE.

CLEYTON DA SILVA ENGENHARIA - EIRELI
CNPJ: 27.928.441/0001-04
CREA 598860 - PE

Cleyton da Silva
Engenheiro Civil
CREA 12814477 D/PE

Município de Toritama
C.N.P.J.11.245.054/0001-39

NATUREZA:

Projeto estrutura concreto.

PROPRIETÁRIO:

Município de Toritama
C.N.P.J.11.245.054/0001-39

DESENHOS:

- Planta de locação
- Planta de forma
- Armazão da ferragem
- Detalhes construtivos

ÁREAS GERAIS:

Área do terreno = 11.948,96 m²
Área de solo natural = 5.049,58m² 42,25%
Área de solo permeável = 5.049,58m² 42,25%
Área de solo impermeável = 6.899,38m² 57,74%
Área construída = 374,68m² 3,13%
Área construída de apoio (quiosques = 45,00m²
Área de piso do acesso da entrada 01 = 1.932,50m²



ESCALA: 1/50 e 1/20

DATA: Junho de 2022

PRANCHA:

01/02

LOC. DAS SAPATAS (Central de Segurança)

ESCALA: 1/50

