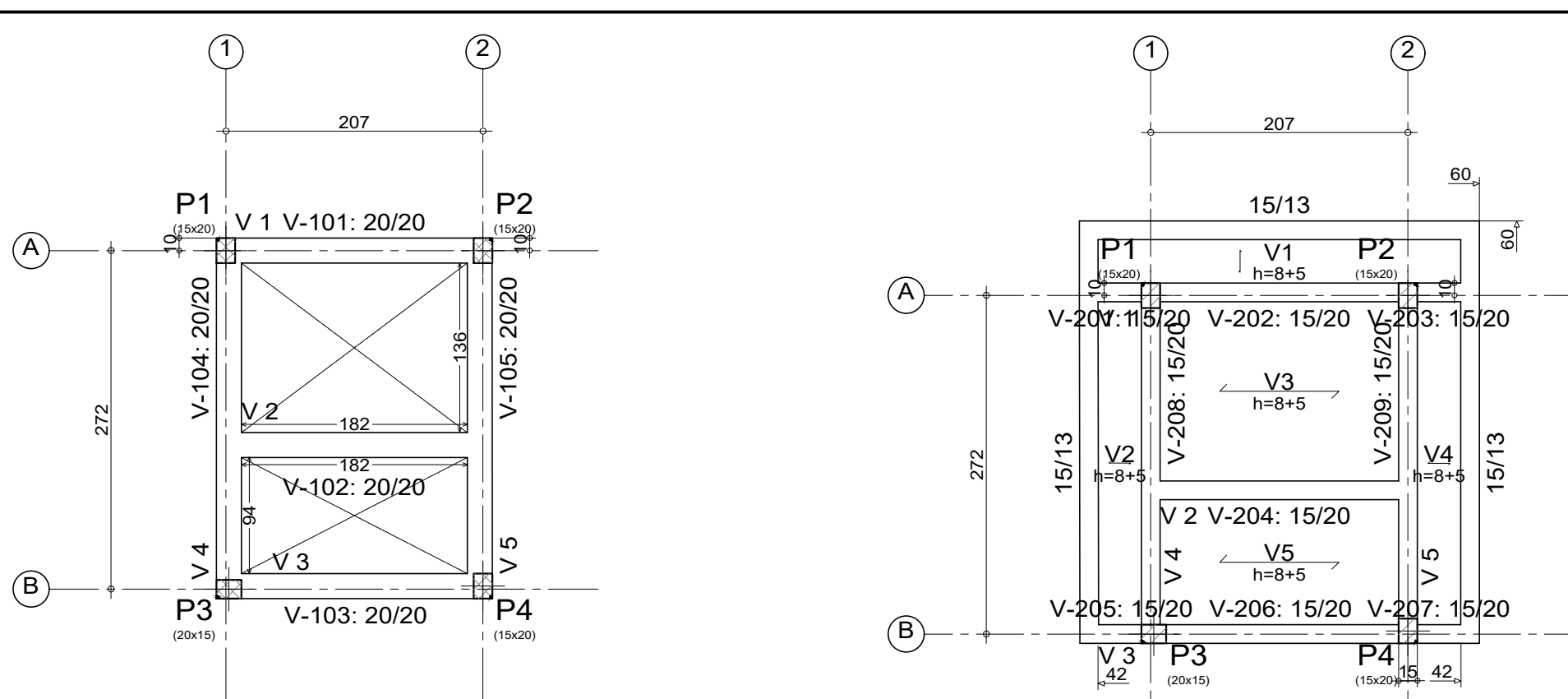
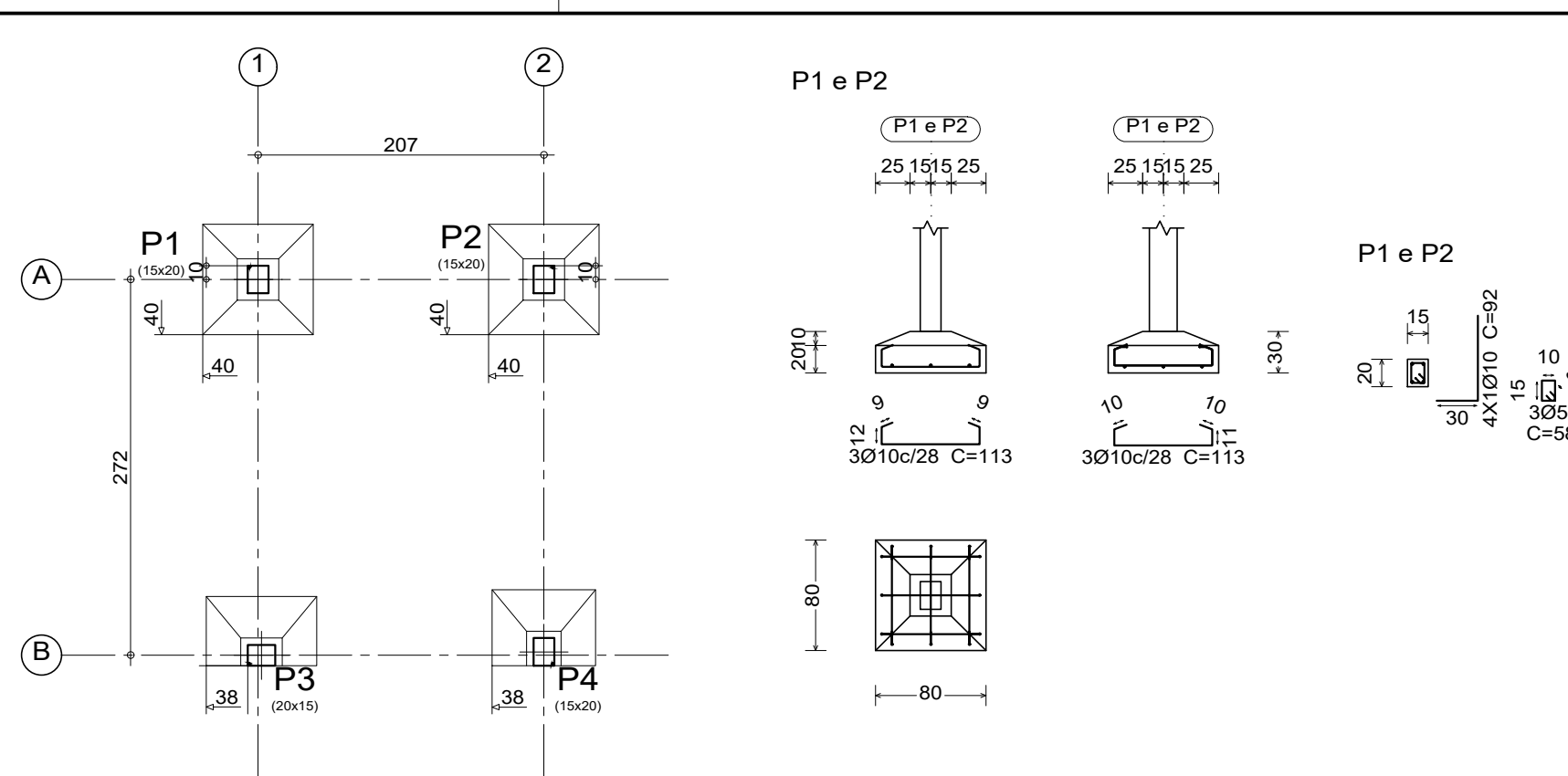




LOC. DAS SAPATAS
(Guarita)

ESCALA: 1/50

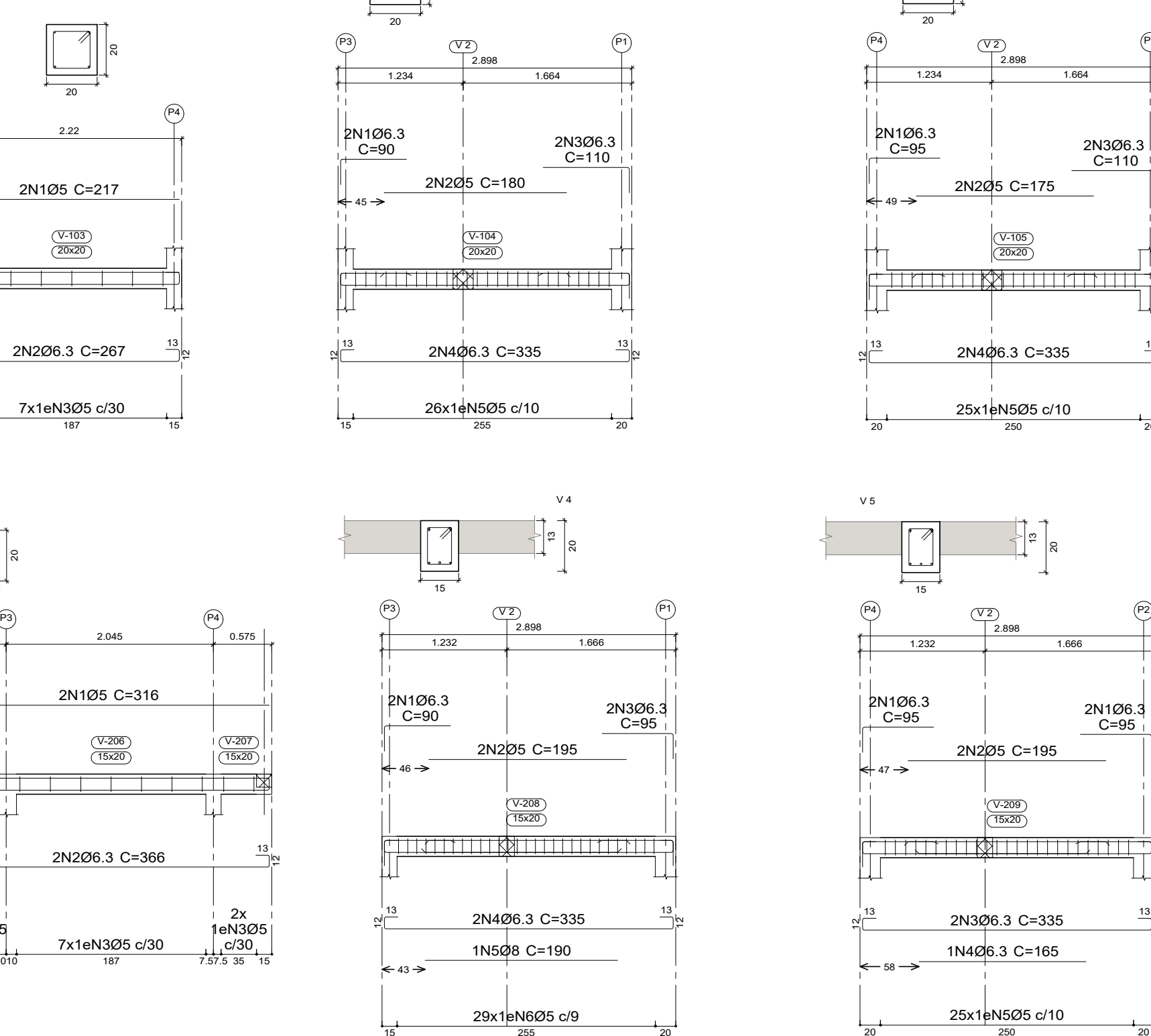


Resumo Aço Fundação				
Detalhamento fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø10	37.8	26	26
CA-60	Ø5	7.0	1	1
Total				27

P1 e P2	80x80	30 / 20	30/10c/28	30/10c/28
P3	80x50	30 / 20	20/10c/28	30/10c/28
P4	75x55	30 / 20	20/10c/28	30/10c/28

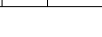
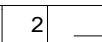
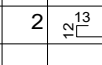
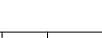
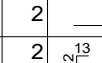
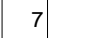
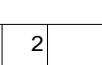
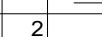
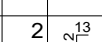
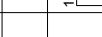
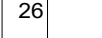
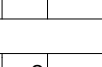
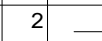
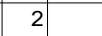
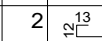
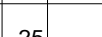
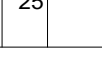
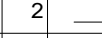
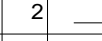
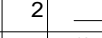
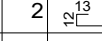
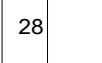
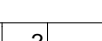
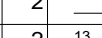
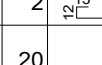
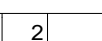
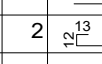
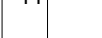
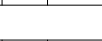
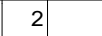
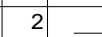
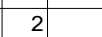
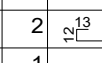
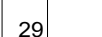
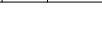
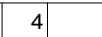
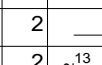
Desenho de vigas	(m)	(kg)	Total
CA-50	Ø6.3	47.3	13
	Ø8	1.9	1
CA-60	Ø5	86.5	15
Total			29

Resumo Aço Desenho de vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø6.3	37.5	10
CA-60	Ø5	77.2	13
Total			23



BALDRAME - Superficie total: 2.25 m2			
Elemento	Formas (m2)	Volume (m3)	Barras (kg)
Vigas: fundo	2.13	0.48	23
Forma lateral	4.18		
Pilares (Sup. Formas)	2.24	0.08	46
Total	8.55	0.56	69
Índices (por m2)	3.800	0.249	30.67

LAJE - Superficie total: 10.94 m ²			
Elemento	Formas (m ²)	Volumen (m ³)	Barras (kg)
LAJES	7.53	0.62	35
Vigas: fundo	3.29	0.58	29
Forma lateral	3.42		
Pilares (Sup. Formas)	7.00	0.32	9
Total	21.24	1.52	73
Índices (por m ²)	1.941	0.139	6.67

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	
V 1	1	Ø5	2		217	434		0.7	
	2	Ø6.3	2		267	534	1.3		
	3	Ø5	7		68	476		0.7	
	Total+10%:						1.4	1.5	
V 2	1	Ø5	2		217	434		0.7	
	2	Ø6.3	2		267	534	1.3		
	3	Ø5	19		68	1292		2.0	
	Total+10%:						1.4	3.0	
V 3	1	Ø5	2		217	434		0.7	
	2	Ø6.3	2		267	534	1.3		
	3	Ø5	7		68	476		0.7	
	Total+10%:						1.4	1.5	
V 4	1	Ø6.3	2		90	180	0.4		
	2	Ø5	2		180	360		0.6	
	3	Ø6.3	2		110	220	0.5		
	4	Ø6.3	2		335	670	1.6		
	5	Ø5	26		68	1768		2.8	
	Total+10%:						2.8	3.7	
V 5	1	Ø6.3	2		95	190	0.5		
	2	Ø5	2		175	350		0.5	
	3	Ø6.3	2		110	220	0.5		
	4	Ø6.3	2		335	670	1.6		
	5	Ø5	25		68	1700		2.7	
	Total+10%:						2.9	3.5	
V 1	1	Ø6.3	2		130	260	0.6		
	2	Ø5	2		125	250		0.4	
	3	Ø6.3	2		105	210	0.5		
	4	Ø6.3	2		367	734	1.8		
	5	Ø5	28		58	1624		2.5	
	Total+10%:						3.2	3.2	
V 2	1	Ø5	2		217	434		0.7	
	2	Ø6.3	2		267	534	1.3		
	3	Ø5	20		58	1160		1.8	
	Total+10%:						1.4	2.8	
V 3	1	Ø5	2		316	632		1.0	
	2	Ø6.3	2		366	732	1.8		
	3	Ø5	11		58	638		1.0	
	Total+10%:						2.0	2.2	
V 4	1	Ø6.3	2		90	180	0.4		
	2	Ø5	2		195	390		0.6	
	3	Ø6.3	2		95	190	0.5		
	4	Ø6.3	2		335	670	1.6		
	5	Ø8	1		190	190	0.8		
	6	Ø5	29		58	1682		2.6	
Total+10%:						3.6	3.5		
V 5	1	Ø6.3	4		95	380	0.9		
	2	Ø5	2		195	390		0.6	
	3	Ø6.3	2		335	670	1.6		
	4	Ø6.3	1		165	165	0.4		
	5	Ø5	25		58	1450		2.3	
	Total+10%:						3.2	3.2	
							Ø5:	0.0	28.1
							Ø6.3:	22.5	0.0
							Ø6.3:	23.3	0.0
							Ø6.3:	23.3	28.1

DESCRIÇÃO:

Projeto da estrutura em concreto armado para construção da GUARITA 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.11.245.054/0001-3

DESENHOS:

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



ÁREAS GERAIS:

Área do terreno = 11.948,96 m ²	
Área de solo natural = 5.049,58m ²	42,25%
Área de solo permeável = 5.049,58m ²	42,25%
Área de solo impermeável = 6.899,38m ²	57,74%
Área construída = 374,68m ²	3,13%
Área construída de apoio (quiosques) = 45,00m ²	
Área de piso do acesso da entrada 01 = 1.932,50m ²	

ESCALA: 1/50 e 1/20

PRANCHIA:
01/01