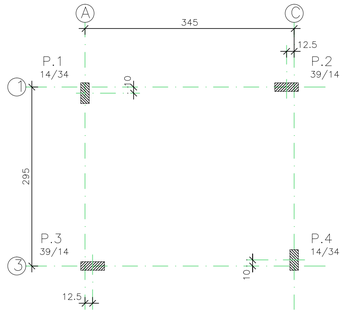
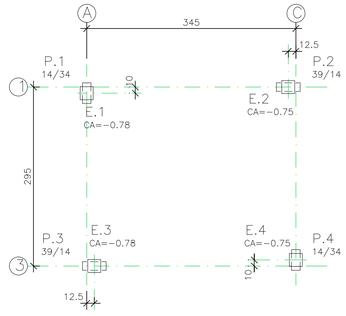
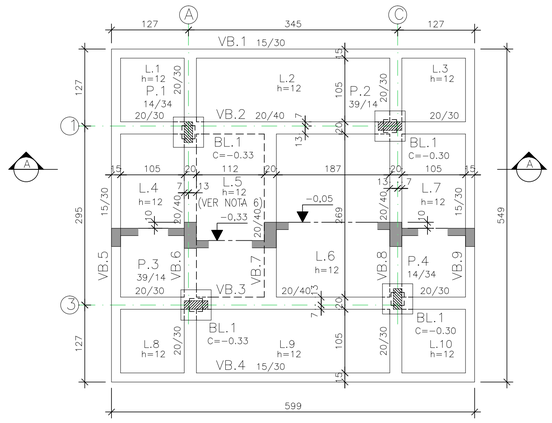
LOCAÇÃO DE PILARES
ESC. 1:50



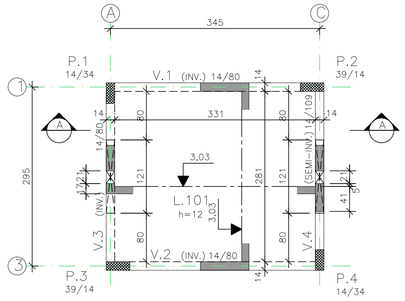
LOCAÇÃO DE ESTACAS
ESC. 1:50



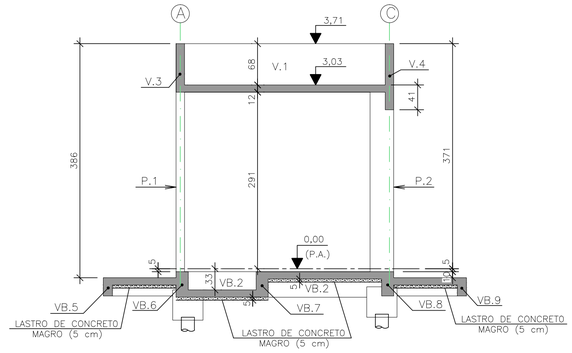
FORMA DA FUNDAÇÃO
ESC. 1:50



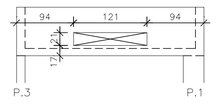
FORMA DA COBERTURA
ESC. 1:50



CORTE A–A
ESC. 1:50



ELEVAÇÃO DA V.3
ESC. 1:50



ELEVAÇÃO DA V.4
ESC. 1:50

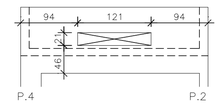
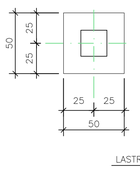


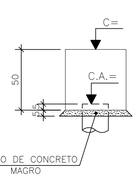
TABELA DE CARGAS

Elem	Todas permanentes e acidentais dos pavimentos					Elem	Temperatura (+)					Elem	Temperatura (−)					Elem	Vento (Y) 90°			Elem	Vento (−Y) 270°			Elem	Vento (X) 0°			Elem	Vento (−X) 180°		
	Fz	Fx	Fy	Mx	My		Fz	Fx	Fy	Mx	My		Fz	Fx	Fy	Mx	My		Fz	Fy	Mx		Fz	Fy	Mx		Fz	Fx	My		Fz	Fx	My
P1	16.1	−0.1	−0.4	0.0	0.0	P1	0.0	0.0	−0.2	−0.1	0.0	P1	0.0	0.0	0.2	0.1	0.0	P1	0.2	0.3	−0.3	P1	−0.2	−0.3	0.3	P1	−0.2	0.1	0.1	P1	0.2	−0.1	−0.1
P2	16.1	0.4	−0.2	0.1	0.3	P2	0.0	0.1	−0.1	0.0	0.3	P2	0.0	−0.1	0.1	0.0	−0.3	P2	0.2	0.1	−0.1	P2	−0.2	−0.1	0.1	P2	0.1	0.3	0.3	P2	−0.1	−0.3	−0.3
P3	16.6	−0.4	0.1	−0.1	−0.2	P3	0.0	−0.1	0.1	0.0	−0.3	P3	0.0	0.1	−0.1	0.0	0.3	P3	−0.2	0.1	−0.1	P3	0.2	−0.1	0.1	P3	−0.1	0.3	0.3	P3	0.1	−0.3	−0.3
P4	15.4	0.1	0.4	0.0	0.0	P4	0.0	0.0	0.2	0.1	0.0	P4	0.0	0.0	−0.2	−0.1	0.0	P4	−0.2	0.3	−0.3	P4	0.2	−0.3	0.3	P4	0.2	0.1	0.1	P4	−0.2	−0.1	−0.1

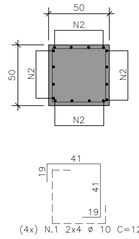
DETALHE DO BL.1 (4x)
ESC. 1:25

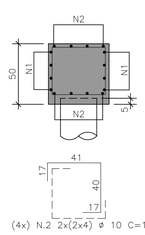
FORMAS





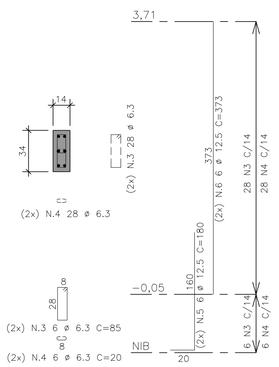
ARMAÇÕES



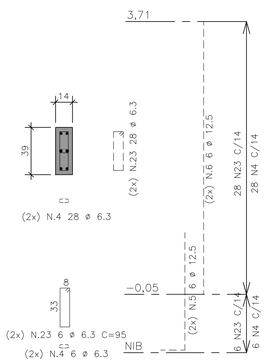


ARMAÇÕES DE PILARES
ESC. 1:25

P.1=P.4 (2x)

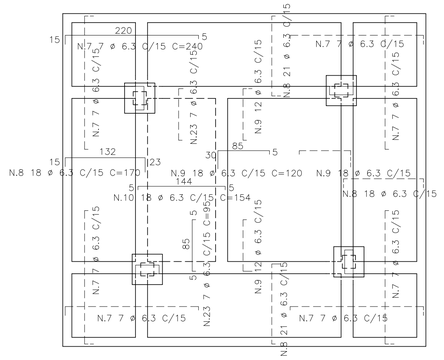


P.2=P.3 (2x)

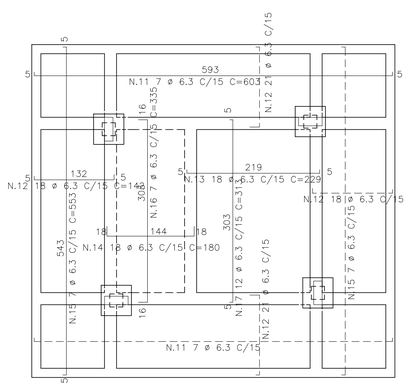


LAJES DO TÉRREO
ESC. 1:50

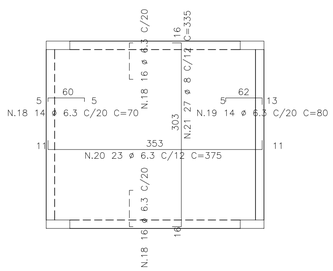
FERRAGENS NEGATIVAS



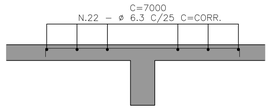
FERRAGENS POSITIVAS



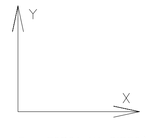
LAJES DA COBERTURA
ESC. 1:50



DET. DE ARMADURAS DE DISTRIBUIÇÃO DOS NEGATIVOS
ESC. 1:25



COBRIMENTO DAS ARMADURAS
ESC. 1:25



Fx= FORÇA NA DIREÇÃO X (tf)
Fy= FORÇA NA DIREÇÃO Y (tf)
Fz= FORÇA NA DIREÇÃO Z (tf)
Mx= MOMENTO PARALELO AO EIXO X (tf.m)
My= MOMENTO PARALELO AO EIXO Y (tf.m)
ESFORÇOS COM VALORES CARACTERÍSTICOS
NÃO INCLUI PESO PRÓPRIO DOS BLOCOS

LISTA DE FERROS

N	CA50A ø	CA60B ø	QUANT.	COMPRIMENTOS(cm) UNIT.	TOTAL
1	10		32	120	3840
2	10		64	115	7360
3	6.3		68	85	5780
4	6.3		136	20	2720
5	12.5		24	180	4320
6	12.5		24	373	8952
7	6.3		56	240	13440
8	6.3		78	170	13260
9	6.3		60	120	7200
10	6.3		18	154	2772
11	6.3		14	603	8442
12	6.3		78	142	11076
13	6.3		18	229	4122
14	6.3		18	180	3240
15	6.3		14	553	7742
16	6.3		7	335	2345
17	6.3		12	313	3756
18	6.3		46	70	3220
19	6.3		14	80	1120
20	6.3		23	375	8625
21	8		27	325	8775
22	6.3		--	CORR	7000
23	6.3		82	95	7790

RESUMO AÇO CA50A

ø	kg/m	COMPR. (m)	PESO (kg)
6.3	0,25	1134.6	283
8	0,40	90	36
10	0,63	112	71
12.5	1	132.7	133
		PESO TOTAL	523

LEGENDA

4 ESTACAS 17cm x 17cm OU ø 20cm PARA 20 tf
COMPRIMENTO ESTIMADO : 20,0m.
CONCRETO COM fck DE ACORDO COM AS NORMAS DA ABNT.

PILARES QUE SEGUEM

PILARES QUE MORREM

NOTAS:

1– RN=MESMA DA ARQUITETURA (NÍVEL ACABADO DO TÉRREO= 0,00).
2– MEDIDAS EM CENTÍMETROS E NÍVEIS EM METROS.
3– CONCRETO: – fck≥ 30 MPa
: – MÓDULO DE ELASTICIDADE INICIAL≥ 31 GPa
: – MÓDULO DE ELASTICIDADE SECANTE≥ 27 GPa
: – FATOR ÁGUA/CIMENTO ≤ 0,55 (EM MASSA)
4– VOLUME DE CONCRETO: 9,0 m3.
5– ÁREA DE FORMAS: 90,0 m2.
6– OS ENCHIMENTOS EM LAJES REBAIXADAS DEVERÃO SER FEITOS COM ARGILA EXPANDIDA.
7– COBRIMENTO DAS ARMADURAS : BLOCOS= 4,0 cm
: PILARES= 3,0 cm
: LAJES – VER DET.

PREFEITURA DO MUNICÍPIO DE ITAPEVI

SECRETARIA DE INFRAESTRUTURA E SERVIÇOS URBANOS

OBRA: Parque da Cidade

PROJETO: Posto de Informações

END: Rua Samuel da Rocha Galvão, S/N - Itapevi - São Paulo

Ramon Medrano de Almada
Secretário de Infraestrutura e Serviços Urbanos

Responsável legal
Prefeitura do Município de Itapevi

ASSUNTO:	TIPO PROJETO	PROCESSO PMI	FOLHA:
FORMA E ARMAÇÕES DE BLOCOS, PILARES E LAJES	BÁSICO		C– 08
ESC.: INDICADA	DATA: SETEMBRO/2018	DES.:	RESP.:	REVISÃO: 00