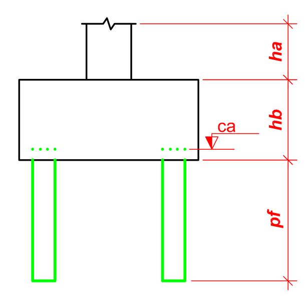
Planta de Locação

escala 1:75

Pilar									Fundação					Bloco		
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)	Nome	Lado B (cm)	Lado H (cm)	ha (cm)	hb (cm)	ne	de (cm)	ca (cm)
AP1		3562	2740	4.1	100	100	0.1	0.1	BAP1	38	38	50	40	1	18	-85
AP2		3177	2360	3.8	100	100	0.1	0.2	BAP2	38	38	50	40	1	18	-85
AP3		3947	2360	3.8	100	100	0.1	0.2	BAP3	38	38	50	40	1	18	-85
AP4		837	1847	6.4	200	100	0.2	0.2	BAP4	38	38	50	40	1	18	-85
AP5		1637	1847	8.4	600	100	0.2	1.4	BAP5	38	38	50	40	1	18	-85
AP6		2437	1847	8.6	300	100	0.1	0.4	BAP6	38	38	50	40	1	18	-85
AP7		4687	1847	7.2	100	100	0.2	0.4	BAP7	38	38	50	40	1	18	-85
AP8		5487	1847	7.4	200	100	0.1	0.4	BAP8	38	38	50	40	1	18	-85
AP9		6287	1847	7.6	200	100	0.1	0.4	BAP9	38	38	50	40	1	18	-85
AP10		7087	1847	7.5	200	100	0.2	0.4	BAP10	38	38	50	40	1	18	-85
AP11		3562	1735	5.3	100	100	0.1	0.1	BAP11	38	38	50	40	1	18	-85
AP12		80	1485	2.9	100	100	0.1	0.1	BAP12	38	38	50	40	1	18	-85
AP13		437	1493	3.7	100	100	0.1	0.2	BAP13	38	38	50	40	1	18	-85
AP14		937	1518	5.1	100	100	0.1	0.2	BAP14	38	38	50	40	1	18	-85
AP15		1137	1518	2.9	100	100	0.1	0.2	BAP15	38	38	50	40	1	18	-85
AP16		2837	1493	3.1	100	100	0.1	0.1	BAP16	38	38	50	40	1	18	-85
AP17		3080	1506	2.5	100	100	0.1	0.1	BAP17	38	38	50	40	1	18	-85
AP18		4045	1506	2.4	100	100	0.1	0.1	BAP18	38	38	50	40	1	18	-85
AP19		4287	1493	3.3	100	100	0.1	0.1	BAP19	38	38	50	40	1	18	-85
AP20		4687	1490	3.7	100	100	0.1	0.1	BAP20	38	38	50	40	1	18	-85
AP21		5087	1493	3.2	100	100	0.1	0.1	BAP21	38	38	50	40	1	18	-85
AP22		5487	1490	3.6	100	100	0.1	0.1	BAP22	38	38	50	40	1	18	-85
AP23		5887	1493	3.1	100	100	0.1	0.1	BAP23	38	38	50	40	1	18	-85
AP24		6287	1490	3.7	100	100	0.1	0.1	BAP24	38	38	50	40	1	18	-85
AP25		6687	1493	3.1	100	100	0.1	0.1	BAP25	38	38	50	40	1	18	-85
AP26		7087	1490	3.6	100	100	0.1	0.1	BAP26	38	38	50	40	1	18	-85
AP27		7487	1493	3.6	100	100	0.1	0.2	BAP27	38	38	50	40	1	18	-85
AP28		7845	1485	2.9	100	100	0.1	0.1	BAP28	38	38	50	40	1	18	-85
AP29		1637	1263	7.2	100	100	0.1	0.2	BAP29	38	38	50	40	1	18	-85
AP30		1937	1263	5.2	200	100	0.1	0.5	BAP30	38	38	50	40	1	18	-85
AP31		2237	1263	5.2	200	100	0.1	0.5	BAP31	38	38	50	40	1	18	-85
AP32		2537	1263	7.4	100	100	0.1	0.2	BAP32	38	38	50	40	1	18	-85
AP33		937	1128	5.6	100	100	0.1	0.1	BAP33	38	38	50	40	1	18	-85
AP34		4687	1128	4.6	100	100	0.1	0.1	BAP34	38	38	50	40	1	18	-85
AP35		5487	1128	4.7	100	100	0.1	0.1	BAP35	38	38	50	40	1	18	-85
AP36		6287	1128	4.7	100	100	0.1	0.1	BAP36	38	38	50	40	1	18	-85
AP37		7087	1128	4.6	100	100	0.1	0.1	BAP37	38	38	50	40	1	18	-85
AP38		837	853	4.6	100	100	0.1	0.1	BAP38	38	38	50	40	1	18	-85
AP39		1637	853	4.9	100	100	0.1	0.1	BAP39	38	38	50	40	1	18	-85
AP40		2437	853	4.1	100	100	0.1	0.1	BAP40	38	38	50	40	1	18	-85
AP41		4115	853	2.3	200	100	0.1	0.4	BAP41	38	38	50	40	1	18	-85
AP42		4687	853	4.5	100	100	0.1	0.1	BAP42	38	38	50	40	1	18	-85
AP43		5487	853	4.7	100	100	0.1	0.1	BAP43	38	38	50	40	1	18	-85
AP44		6287	853	4.7	100	100	0.1	0.1	BAP44	38	38	50	40	1	18	-85
AP45		7087	853	4.6	100	100	0.1	0.1	BAP45	38	38	50	40	1	18	-85
AP46		80	495	2.9	100	100	0.1	0.1	BAP46	38	38	50	40	1	18	-85
AP47		437	488	3.6	100	100	0.1	0.2	BAP47	38	38	50	40	1	18	-85
AP48		837	495	3.6	100	100	0.1	0.1	BAP48	38	38	50	40	1	18	-85
AP49		1237	488	3.1	100	100	0.1	0.1	BAP49	38	38	50	40	1	18	-85
AP50		1637	495	3.6	100	100	0.1	0.1	BAP50	38	38	50	40	1	18	-85
AP51		1937	493	3.9	100	100	0.1	0.2	BAP51	38	38	50	40	1	18	-85
AP52		2537	493	3.8	100	100	0.1	0.1	BAP52	38	38	50	40	1	18	-85
AP53		2845	488	3.3	100	100	0.1	0.1	BAP53	38	38	50	40	1	18	-85
AP54		4687	487	3.7	100	100	0.1	0.1	BAP54	38	38	50	40	1	18	-85
AP55		5087	488	3.1	100	100	0.1	0.1	BAP55	38	38	50	40	1	18	-85
AP56		5487	487	3.7	100	100	0.1	0.1	BAP56	38	38	50	40	1	18	-85
AP57		5887	488	3.1	100	100	0.1	0.1	BAP57	38	38	50	40	1	18	-85
AP58		6287	487	3.7	100	100	0.1	0.1	BAP58	38	38	50	40	1	18	-85
AP59		6687	488	3.1	100	100	0.1	0.1	BAP59	38	38	50	40	1	18	-85
AP60		7087	487	3.7	100	100	0.1	0.1	BAP60	38	38	50	40	1	18	-85
AP61		7487	488	3.6	100	100	0.1	0.2	BAP61	38	38	50	40	1	18	-85
AP62		7845	495	3.0	100	100	0.1	0.1	BAP62	38	38	50	40	1	18	-85
AP63		4265	360	0.7	100	100	0.1	0.1	BAP63	38	38	50	40	1	18	-85
AP64		837	134	7.3	200	100	0.1	0.4	BAP64	38	38	50	40	1	18	-85
AP65		1637	134	7.7	300	100	0.1	0.6	BAP65	38	38	50	40	1	18	-85
AP66		2437	134	6.6	300	100	0.2	0.3	BAP66	38	38	50	40	1	18	-85
AP67		4687	127	7.2	200	100	0.2	0.4	BAP67	38	38	50	40	1	18	-85
AP68		5487	127	7.4	200	100	0.1	0.4	BAP68	38	38	50	40	1	18	-85
AP69		6287	127	7.4	200	100	0.1	0.4	BAP69	38	38	50	40	1	18	-85
AP70		7087	127	7.5	200	100	0.2	0.4	BAP70	38	38	50	40	1	18	-85
P1	17x17	3177	2740	4.0	100	100	0.2	0.2	B1	38	38	50	40	1	18	-85
P2	17x17	3947	2740	4.0	100	100	0.2	0.2	B2	38	38	50	40	1	18	-85
P3	17x17	0	1980	5.8	200	100	0.5	0.4	B3	38	38	50	40	1	18	-85
P4	17x17	535	1980	2.3	200	100	0.1	0.1	B4	38	38	50	40	1	18	-85
P5	17x17	3177	1980	6.3	100	100	0.1	0.1	B5	38	38	50	40	1	18	-85
P6	17x17	3947	1980	6.4	100	100	0.1	0.1	B6	38	38	50	40	1	18	-85
P7	17x17	7390	1980	3.8	100	100	0.3	0.3	B7	38	38	50	40	1	18	-85
P8	17x17	7925	1980	5.7	200	100	0.5	0.3	B8	38	38	50	40	1	18	-85
P9	27x27	87	1835	20.9	100	100	0.3	0.3	B9	38	38	50	40	1	18	-85
P10	27x27	437	1850	40.6	100	100	0.2	0.4	B10	92	38	50	45	2	18	-90
P11	27x27	1237	1850	50.2	500	100	0.1	0.3	B11	112	43	50	40	2	23	-85

Pilar									Fundação					Bloco		
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)	Nome	Lado B (cm)	Lado H (cm)	ha (cm)	hb (cm)	ne	de (cm)	ca (cm)
P12	27x27	2037	1850	53.7	800	100	0.1	0.4	B12	112	43	50	45	2	23	-90
P13	27x27	2837	1850	40.9	200	200	0.4	0.3	B13	92	38	50	45	2	18	-90
P14	27x27	3252	1850	27.1	400	200	0.7	1.3	B14	92	38	50	40	2	18	-85
P15	27x27	3872	1850	27.8	400	300	0.7	1.1	B15	92	38	50	40	2	18	-85
P18	27x27	5087	1850	53.3	300	100	0.2	0.5	B18	112	43	50	45	2	23	-90
P19	27x27	5887	1850	48.4	300	100	0.1	0.5	B19	112	43	50	40	2	23	-85
P20	27x27	6687	1850	51.8	300	100	0.2	0.5	B20	112	43	50	45	2	23	-90
P21	27x27	7487	1850	41.9	200	100	0.2	0.6	B21	92	38	50	45	2	18	-90
P22	27x27	7837	1835	20.0	200	200	0.3	0.2	B22	38	38	50	40	1	18	-85
P25	20x20	3256	1506	29.0	200	100	0.2	0.4	B25	92	38	50	40	2	18	-85
P26	20x20	3447	1540	11.6	200	100	0.2	0.6	B26	38	38	50	40	1	18	-85
P27	20x20	3677	1540	9.8	100	100	0.3	0.3	B27	38	38	50	40	1	18	-85
P28	20x20	3869	1506	28.6	200	100	0.1	0.4	B28	92	38	50	40	2	18	-85
P29	20x20	3447	1298	14.8	200	100	0.1	0.6	B29	38	38	50	40	1	18	-85
P30	20x20	3677	1298	15.0	100	100	0.1	0.3	B30	38	38	50	40	1	18	-85
P31	27x27	87	1135	15.2	200	200	0.5	0.2	B31	38	38	50	40	1	18	-85
P32	27x27	437	1135	47.3	300	100	0.2	0.6	B32	112	43	50	40	2	23	-85
P33	27x27	1237	1135	53.7	1300	200	0.6	0.6	B33	112	43	50	45	2	23	-90
P34	27x27	2037	1135	53.1	1300	200	0.3	0.6	B34	112	43	50	45	2	23	-90
P35	27x27	2837	1135	43.7	200	200	0.2	0.3	B35	112	43	50	40	2	23	-85
P36	27x27	3252	1135	17.6	400	300	1.1	1.0	B36	38	38	50	40	1	18	-85
P37	27x27	3872	1135	20.8	400	300	1.1	0.8	B37	38	38	50	40	1	18	-85
P40	27x27	5087	1135	56.0	200	200	0.4	0.4	B40	112	43	50	45	2	23	-90
P41	27x27	5887	1135	50.5	200	100	0.2	0.3	B41	112	43	50	40	2	23	-85
P42	27x27	6687	1135	54.1	200	100	0.1	0.4	B42	112	43	50	45	2	23	-90
P43	27x27	7487	1135	48.0	200	200	0.4	0.5	B43	112	43	50	40	2	23	-85
P44	27x27	7837	1135	14.7	200	300	0.7	0.3	B44	38	38	50	40	1	18	-85
P45	27x27	87	845	14.8	300	300	0.8	0.3	B45	38	38	50	40	1	18	-85
P46	27x27	437	845	46.2	200	100	0.3	0.5	B46	112	43	50	40	2	23	-85
P47	27x27	1237	845	54.7	200	200	0.2	0.3	B47	112	43	50	45	2	23	-90
P48	27x27	2037	845	53.8	1200	300	0.7	0.4	B48	112	43	50	45	2	23	-90
P49	27x27	2837	845	46.1	200	600	1.6	0.6	B49	112	43	50	40	2	23	-85
P50	C45	3562	845	27.6	500	600	1.1	0.2	B50	100	46	50	40	2	18	-85
P53	27x27	5087	845	56.6	200	200	0.4	0.4	B53	112	43	50	45	2	23	-90
P54	27x27	5887	845	51.0	200	200	0.2	0.4	B54	112	43	50	40	2	23	-85
P55	27x27	6687	845	54.6	200	100	0.1	0.4	B55	112	43	50	45	2	23	-90
P56	27x27	7487	845	47.5	300	200	0.4	0.6	B56	112	43	50	40	2	23	-85
P57	27x27	7837	845	13.1	200	300	0.7	0.4	B57	38	38	50	40	1	18	-85
P58	15x30	3008	369	20.1	400	100	0.2	0.5	B58	38	38	50	40	1	18	-85
P59	15x30	4116	369	18.3	200	100	0.1	0.7	B59	38	38	50	40	1	18	-85
P60	27x27	87	145	20.6	200	100	0.3	0.3	B60	38	38	50	40	1	18	-85
P61	27x27	437	130	40.6	200	100	0.2	0.6	B61	92	38	50	45	2	18	-90
P62	27x27	1237	130	51.4	300	100	0.2	0.5	B62	112	43	50	45	2	23	-90
P63	27x27	2037	130	50.9	500	300	0.5	0.3	B63	112	43	50	40	2	23	-85
P64	L 47x27x27x20	2837	127	33.4	300	700	0.7	0.8	B64	92	38	50	45	2	18	-90
P65	C45	3562	130	9.2	200	300	0.2	0.1	B65	46	46	50	40	1	18	-85
P68	27x27	5087	130	52.6	300	100	0.2	0.7	B68	112	43	50	45	2	23	-90
P69	27x27	5887	130	47.9	300	100	0.1	0.6	B69	112	43	50	40	2	23	-85
P70	27x27	6687	130	51.4	300	100	0.2	0.6	B70	112	43	50	45	2	23	-90
P71	27x27	7487	130	41.1	200	100	0.2	0.7	B71	92	38	50	45	2	18	-90
P72	27x27	7837	145	18.9	100	200	0.3	0.2	B72	38	38	50	40	1	18	-85
P73	17x17	0	0	5.0	200	100	0.5	0.4	B73	38	38	50	40	1	18	-85
P74	17x17	535	0	3.6	100	100	0.3	0.2	B74	38	38	50	40	1	18	-85
P75	17x17	2740	0	3.7	200	100	0.1	0.3	B75	38	38	50	40	1	18	-85
P76	17x17	4385	0	4.2	100	100	0.1	0.2	B76	38	38	50	40	1	18	-85
P77	17x17	7390	0	3.9	100	100	0.3	0.3	B77	38	38	50	40	1	18	-85
P78	17x17	7925	0	5.7	200	100	0.5	0.3	B78	38	38	50	40	1	18	-85
P16+P17		4273	1850	34.6	1100	2000	0.4	0.7	B16-17	92	38	50	55	2	18	-100
P38+P39		4275	1135	42.5	1100	1000	0.5	0.5	B38-39	112	43	50	45	2	23	-90
P51+P52		4275	845	39.6	2200	1300	0.3	2.4	B51-52	112	43	50	45	2	23	-90
P66+P67		4277	130	30.2	2300	2200	0.2	2.4	B66-67	92	38	50	50	2	18	-95

Estacas Pré-moldadas Cravadas			
Simbologia	de (cm)	Quantidade	pf (m)
	18	127	10
	23	56	10



de = diâmetro da estaca

ne = quantidade de estacas por bloco

ca = cota de arrasamento das estacas em relação ao piso do primero pav.

pf = profundade útil da estaca (medida apartir do fundo do bloco)

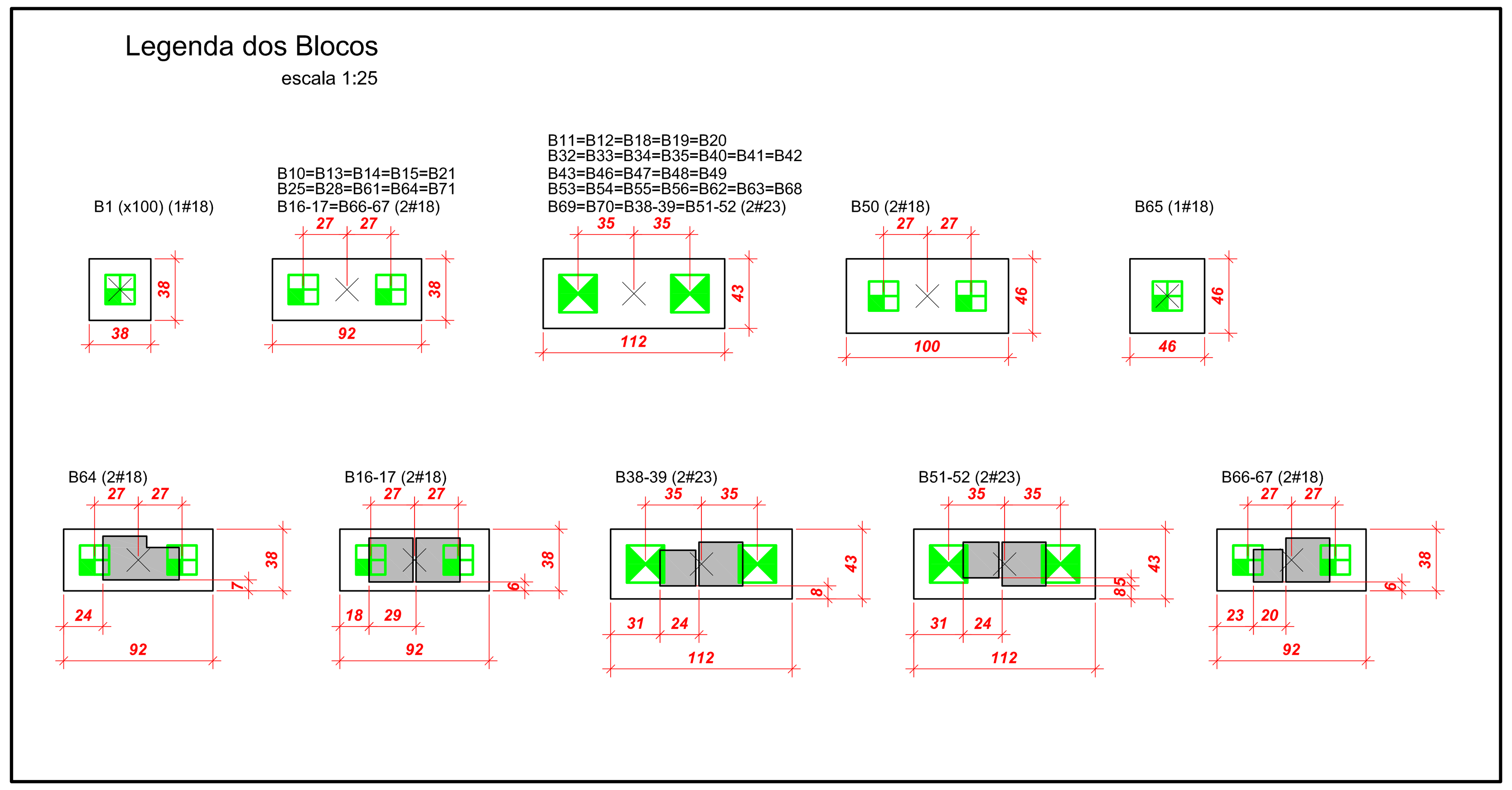
ha = rebaixamento do bloco

hb = altura do bloco

- - - - - - projeção dos baldrames

Legenda dos Blocos

escala 1:25



1) Características do Concreto

Elemento	Fck (kgf/cm²)
Vigas	250
Pilares	250
Lajes	250
Blocos	200

- fator a/c ≤ 0,65 (máximo)
- E ≥ 20 GPa - módulo de elasticidade tangente inicial mínimo na idade da desforma
- diâmetro característico do agregado:
  : vigas e lajes - brita 1 com Ø < 19mm
  : pilares - brita 1 e brita 2 com Ø < 25mm
  : blocos - brita 1, brita 2 e brita 3 com Ø < 38mm

2) Características do Aço

- fyk = 500 MPa - CA 50A
- fyk = 600 MPa - CA 60

3) Cobrimento Nominal da Armadura

- lajes = 2 cm

Nº	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:
01	22.07.2013		PROJETO ESTRUTURAL

AS BUILT ENGENHARIA DE PROJETOS LTDA
Rua Jovino do Rosário, 1564 - Boa Vista
CEP 82560-435 - Curitiba - Paraná
asbuiltprojetos@gmail.com - (41)3088-4949

FASE: PROJETO ESTRUTURAL

CONFERIR MEDIDAS NA OBRA

OBRA: ADMINISTRAÇÃO CAMPUS UNAÍ

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI — CNPJ: 16.888.315/0001-57

UFVJM

PRANCHA: PLANTA DE LOCAÇÃO E CARGAS

AUTOR PROJETO: CARLOS HENRIQUE DE SOUZA GONÇALVES — CREA 79820/D - Pr

ESCALA: INDICADA — DESENHO: EQUIPE

VERSÃO: VERSÃO 1 — DATA: 22/07/2013 — ÁREA CONSTRUÍDA: 3056,63m² — FOLHA: EST 01/22

ARQUIVO: