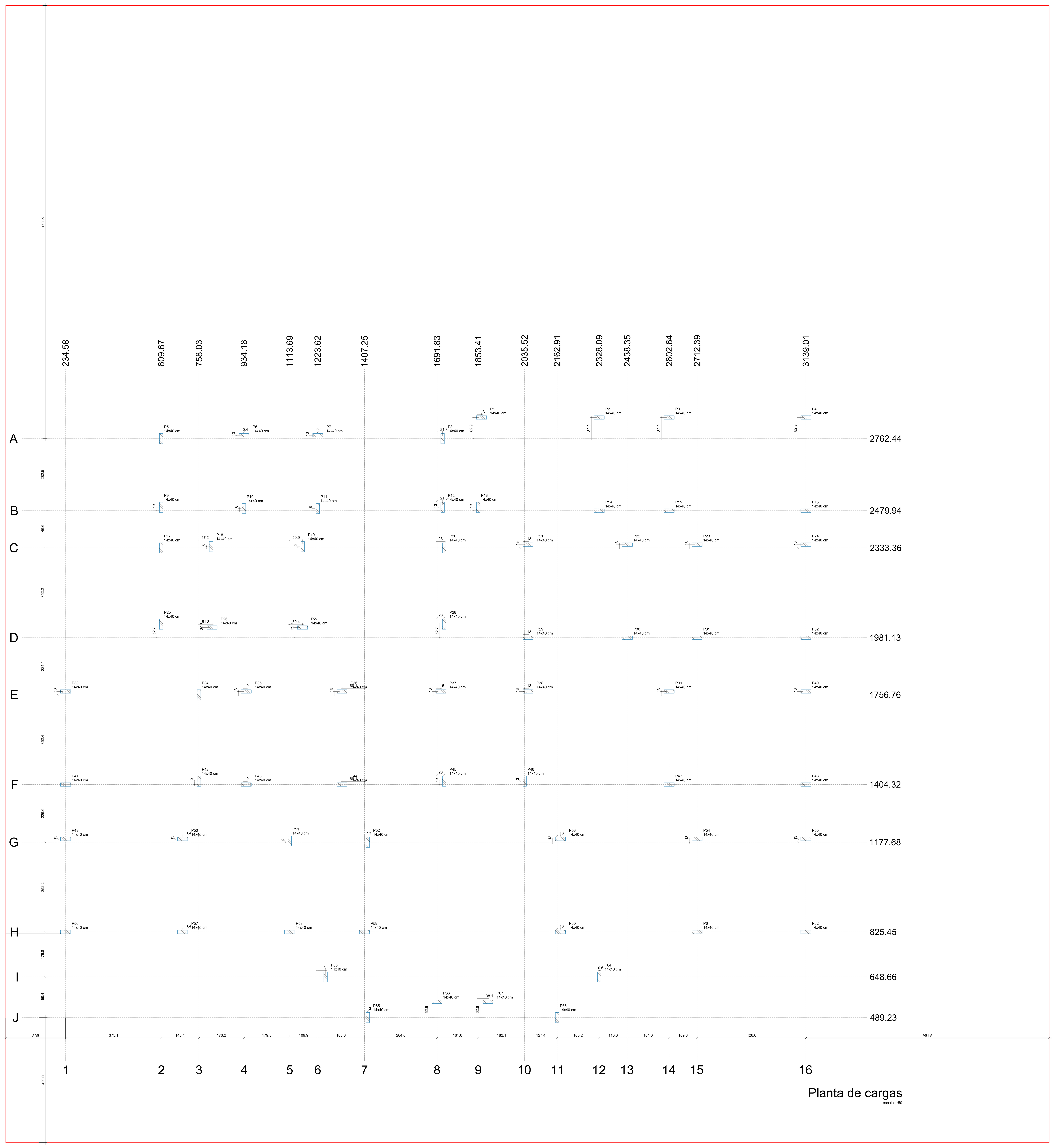


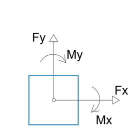
Planta de cargas
escala 1:50

Locação no eixo X	
Coordenadas (cm)	Nome
234.58	P33, P41, P49, P56
609.67	P5, P9, P17, P25
693.77	P50, P57
758.03	P34, P42
805.25	P18
809.31	P26
934.18	P10
934.58	P6
943.13	P35, P43
1113.69	P51, P58
1164.12	P27
1164.62	P19
1223.62	P11
1224.01	P7
1254.67	P63
1319.20	P36, P44
1407.25	P59
1420.25	P52
1420.26	P65
1691.83	P66
1706.83	P37
1713.64	P8
1713.67	P12
1719.83	P20, P28, P45
1853.41	P13
1866.41	P1
1891.55	P67
2035.52	P46
2048.52	P21, P29, P38
2162.91	P68
2175.91	P53, P60
2328.09	P2, P14
2328.70	P64
2438.35	P22, P30
2602.64	P3, P15, P39, P47
2712.39	P23, P31, P54, P61
3139.01	P4, P16, P24, P32, P40, P48, P55, P62

Locação no eixo Y	
Coordenadas (cm)	Nome
2845.37	P1, P2, P3, P4
2775.44	P6, P7
2762.44	P5, P8
2492.94	P9, P12, P13
2487.94	P10, P11
2479.94	P14, P15, P16
2346.36	P21, P22, P23, P24
2338.36	P18, P19
2333.36	P17, P20
2033.85	P25, P28
2020.85	P26, P27
1981.13	P29, P30, P31, P32
1769.76	P33, P35, P36, P37, P38, P39, P40
1756.76	P34
1417.32	P42, P45, P46
1404.32	P41, P43, P44, P47, P48
1190.68	P49, P50, P53, P54, P55
1182.68	P51
1177.68	P52
825.45	P56, P57, P58, P59, P60, P61, P62
648.66	P63, P64
551.83	P66, P67
489.23	P65
489.22	P68

Pilar													
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx Máximo (kgf.m)		My Máximo (kgf.m)		Fx Máximo (tf)		Fy Máximo (tf)	
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo
P1	14x40	1866.41	2845.37	9.8	8.5	0	-400	0	-600	0.0	-1.2	0.8	0.0
P2	14x40	2328.09	2845.37	12.5	10.7	0	-500	400	-200	0.9	0.0	1.1	0.0
P3	14x40	2602.64	2845.37	16.0	14.0	0	-400	0	-1000	0.0	-2.8	1.4	0.0
P4	14x40	3139.01	2845.37	11.7	10.4	0	-300	800	0	2.5	0.0	1.0	0.0
P5	14x40	609.67	2762.44	8.0	6.7	200	-300	0	-400	0.0	-0.9	0.6	0.0
P6	14x40	934.58	2775.44	11.3	9.9	0	-300	300	-300	0.5	0.0	0.5	0.0
P7	14x40	1224.01	2775.44	14.2	12.6	0	-300	0	-900	0.0	-2.4	0.5	0.0
P8	14x40	1713.64	2762.44	10.5	8.8	100	-500	500	0	1.7	0.0	1.1	0.0
P9	14x40	609.67	2492.94	7.7	6.3	500	-200	0	-400	0.0	-1.0	0.3	-1.0
P10	14x40	934.18	2487.94	11.7	10.1	200	-300	200	0	0.4	0.0	0.5	0.0
P11	14x40	1223.62	2487.94	16.1	13.8	100	-600	0	-500	0.0	-1.3	1.1	0.0
P12	14x40	1713.67	2492.94	11.8	9.6	600	-500	400	0	1.2	0.0	0.5	-0.9
P13	14x40	1853.41	2492.94	7.5	6.6	700	0	0	-400	0.0	-0.9	0.0	-1.7
P14	14x40	2328.09	2479.94	11.5	9.5	400	0	500	0	1.4	0.0	0.0	-1.2
P15	14x40	2602.64	2479.94	12.1	10.2	500	0	0	-1100	0.0	-2.9	0.0	-1.3
P16	14x40	3139.01	2479.94	11.0	9.6	300	0	1200	0	3.8	0.0	0.0	-1.0
P17	14x40	609.67	2333.36	6.3	5.1	300	-500	0	-200	0.0	-0.3	0.9	-0.2
P18	14x40	805.25	2338.36	9.1	7.8	0	-500	0	-100	0.0	-0.4	1.3	0.0
P19	14x40	1164.62	2338.36	14.3	12.1	0	-500	0	-400	0.0	-0.9	1.3	0.0
P20	14x40	1719.83	2333.36	13.8	10.8	300	-500	400	0	1.3	0.0	1.1	0.0
P21	14x40	2048.52	2346.36	13.9	11.9	100	0	0	-600	0.0	-1.1	0.1	-0.2
P22	14x40	2438.35	2346.36	11.5	9.8	0	-600	300	-100	0.7	0.0	1.5	0.0
P23	14x40	2712.39	2346.36	17.0	14.6	200	-200	0	-900	0.0	-2.5	0.1	-0.4
P24	14x40	3139.01	2346.36	9.5	8.4	0	-300	800	0	2.3	0.0	1.0	0.0
P25	14x40	609.67	2033.85	6.8	5.9	600	0	100	-200	0.0	-0.2	0.0	-1.0
P26	14x40	809.31	2020.85	10.5	9.2	300	0	0	-700	0.0	-1.3	0.0	-0.7
P27	14x40	1164.12	2020.85	17.3	15.2	300	0	0	-900	0.0	-2.3	0.0	-0.7
P28	14x40	1719.83	2033.85	18.5	15.9	500	-400	700	0	2.1	0.0	0.3	-0.8
P29	14x40	2048.52	1981.13	18.1	15.2	300	0	0	-400	0.0	-1.0	0.0	-0.6
P30	14x40	2438.35	1981.13	11.6	10.1	500	0	300	-100	0.5	0.0	0.0	-1.6
P31	14x40	2712.39	1981.13	13.6	12.0	400	0	0	-900	0.0	-2.0	0.0	-1.0
P32	14x40	3139.01	1981.13	9.5	8.4	300	0	600	0	1.7	0.0	0.0	-1.0
P33	14x40	234.58	1769.76	11.6	10.3	0	-400	0	-800	0.0	-1.9	0.9	0.0
P34	14x40	758.03	1756.76	15.7	13.6	0	-700	300	0	0.8	0.0	1.6	0.0
P35	14x40	943.13	1769.76	8.3	7.3	0	-300	0	-600	0.0	-1.0	1.1	0.0
P36	14x40	1319.20	1769.76	14.5	12.7	0	-300	100	-200	0.0	-0.4	1.1	0.0
P37	14x40	1706.83	1769.76	18.7	15.8	0	-300	100	-500	0.0	-0.8	0.6	0.0
P38	14x40	2048.52	1769.76	20.3	17.5	0	-200	0	-900	0.0	-2.8	0.6	0.0
P39	14x40	2602.64	1769.76	20.3	17.8	0	-400	400	0	0.9	0.0	1.4	0.0
P40	14x40	3139.01	1769.76	11.4	10.0	0	-300	1200	0	3.5	0.0	1.0	0.0
P41	14x40	234.58	1404.32	11.5	10.1	300	0	0	-1100	0.0	-3.4	0.0	-0.9
P42	14x40	758.03	1417.32	15.4	12.8	600	0	400	0	1.3	0.0	0.0	-1.2
P43	14x40	943.13	1404.32	9.7	8.2	200	0	0	-600	0.0	-1.8	0.0	-0.3
P44	14x40	1319.20	1404.32	14.1	11.6	400	0	100	-200	0.0	-0.3	0.0	-1.2
P45	14x40	1719.83	1417.32	11.8	9.6	700	0	200	0	0.7	0.0	0.0	-1.4
P46	14x40	2035.52	1417.32	14.4	11.9	500	0	0	-700	0.0	-1.8	0.0	-1.0
P47	14x40	2602.64	1404.32	20.5	17.4	400	0	400	0	0.9	0.0	0.0	-1.2
P48	14x40	3139.01	1404.32	12.5	10.9	300	0	1400	0	4.2	0.0	0.0	-1.0
P49	14x40	234.58	1190.68	10.0	8.9	0	-400	0	-700	0.0	-2.2	1.0	0.0
P50	14x40	693.77	1190.68	16.8	14.2	0	-600	200	-100	0.2	0.0	1.6	0.0
P51	14x40	1113.69	1182.68	11.8	10.1	0	-800	300	0	0.7	0.0	2.4	0.0
P52	14x40	1420.25	1177.68	21.2	17.6	400	-200	0	-900	0.0	-2.6	0.1	-0.4
P53	14x40	2175.91	1190.68	29.3	24.7	400	0	1300	0	3.8	0.0	0.0	-1.2
P54	14x40	2712.39	1190.68	21.7	18.6	100	-100	500	0	1.2	0.0	0.4	0.0
P55	14x40	3139.01	1190.68	10.4	9.1	0	-300	800	0	2.4	0.0	0.9	0.0
P56	14x40	234.58	825.45	10.2	9.0	400	0	0	-700	0.0	-1.6	0.0	-1.1
P57	14x40	693.77	825.45	16.9	14.9	600	0	300	-200	0.4	0.0	0.0	-1.8
P58	14x40	1113.69	825.45	11.5	10.0	500	0	500	0	1.3	0.0	0.0	-1.4
P59	14x40	1407.25	825.45	21.4	17.9	200	0	0	-2200	0.0	-6.6	0.1	-0.4
P60	14x40	2175.91	825.45	26.7	22.8	100	-200	1800	0	5.5	0.0	0.2	-0.3
P61	14x40	2712.39	825.45	18.7	16.7	400	0	400	0	0.9	0.0	0.0	-1.2
P62	14x40	3139.01	825.45	10.0	8.9	300	0	700	0	2.1	0.0	0.0	-1.0
P63	14x40	1254.67	648.66	4.8	4.3	0	-700	0	-100	0.0	-0.5	1.5	0.0
P64	14x40	2328.70	648.66	4.9	4.3	0	-800	200	0	0.4	0.0	1.5	0.0
P65	14x40	1420.26	489.23	11.2	9.7	700	0	300	0	0.8	0.0	0.0	-1.7
P66	14x40	1691.83	551.83	10.5	8.8	0	-200	400	-200	0.8	0.0	0.3	0.0
P67	14x40	1891.55	551.83	10.8	9.0	0	-200	100	-500	0.0	-1.0	0.3	0.0
P68	14x40	2162.91	489.22	11.3	9.7	700	0	0	-200	0.0	-0.9	0.0	-1.6

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.



PREFEITURA MUNICIPAL DE BOMBINHAS
SECRETARIA DE CAPTAÇÃO DE RECURSOS E INVESTIMENTOS

OBRA	CONSTRUÇÃO UBS JOSÉ AMANDIO
ENDEREÇO	RUA CAVALO - JOSÉ AMANDIO - BOMBINHAS
CONTEÚDO DE PRANCHA	PROJETO ESTRUTURAL - LOCAÇÃO DE CARGAS
ESCALA	
PRANCHA	03/26

PAULO HENRIQUE DALAGO MULLER
PREFEITO MUNICIPAL

RAUL MATEUS WORUBY DA SILVA
ENGENHEIRO CIVIL - CREA/SC 144777-1

ARQUIVO
DATA 17/09/2024
DESENHO RAUL MATEUS
1152X1022