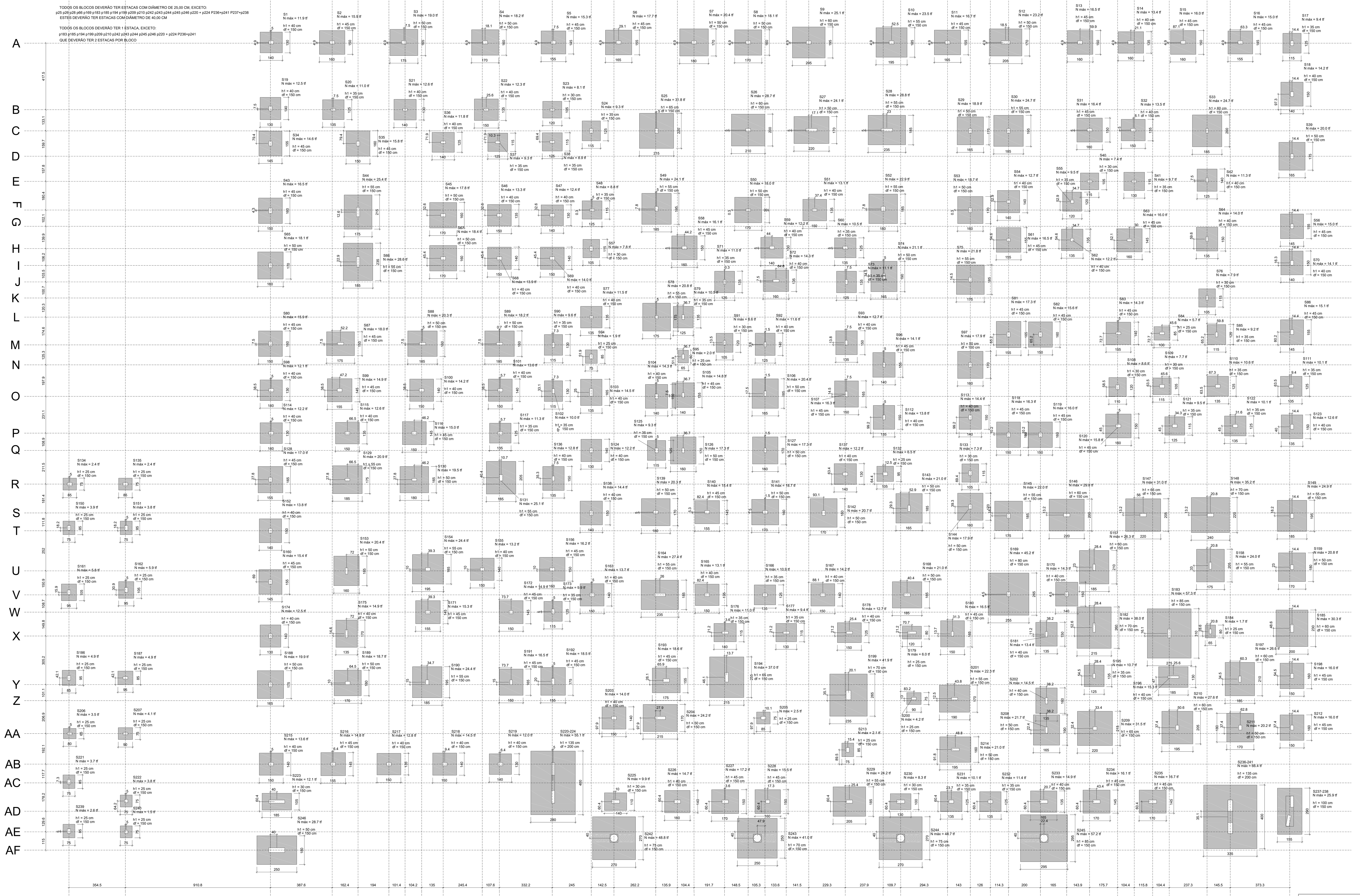
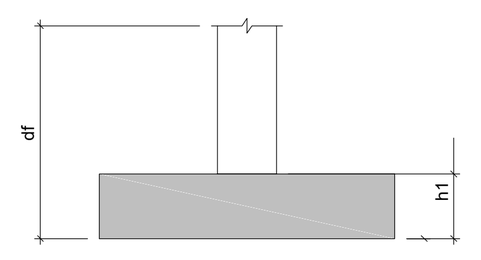
TODOS OS BLOCOS DEVERÃO TER ESTACAS COM PROFUNDIDADE DE 9,00 METROS
EXCETO OS BLOCOS: S1 S19 S34 S43 S65 S80 S98 S114 S128 S152 S160 S174 S188 S215
s223 s246 s240 s239 s222 s221 s206 s207 s186 s187 s162 s161 s150 s151 s135 s134;
QUE DEVERÃO TER ESTACAS COM PROFUNDIDADE DE 13,00 METROS

TODOS OS BLOCOS DEVERÃO TER ESTACAS COM DIÂMETRO DE 25,00 CM, EXCETO:
p25 p26 p28 p66 p169 p183 p185 p194 p199 p209 p210 p242 p243 p244 p245 p246 p220 + p224 P236+p241 P237+p238
ESTES DEVERÃO TER ESTACAS COM DIÂMETRO DE 40,00 CM

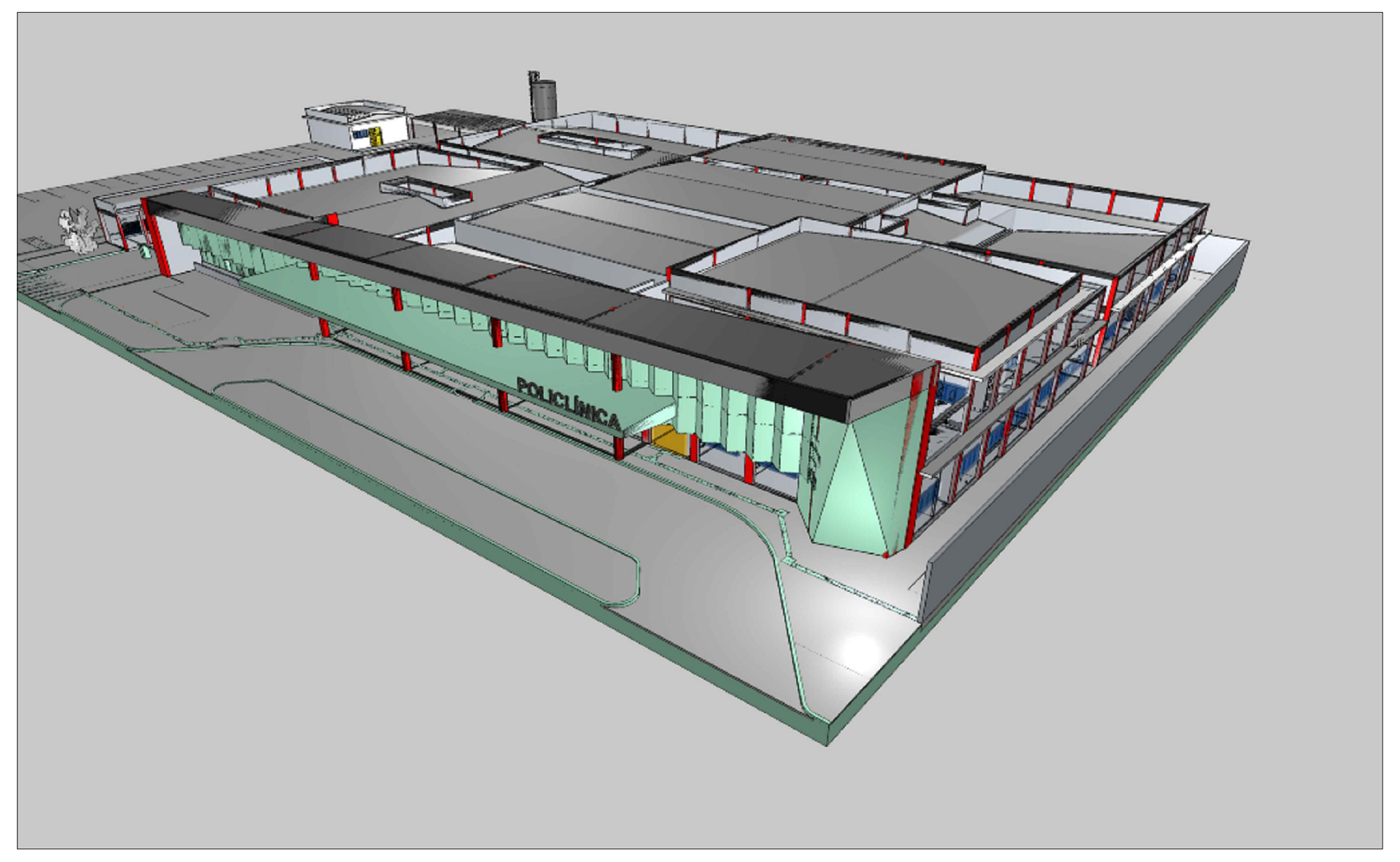
TODOS OS BLOCOS DEVERÃO TER 1 ESTACA, EXCETO:
p183 p185 p194 p199 p209 p210 p242 p243 p244 p245 p246 p220 + p224 P236+p241
QUE DEVERÃO TER 2 ESTACAS POR BLOCO

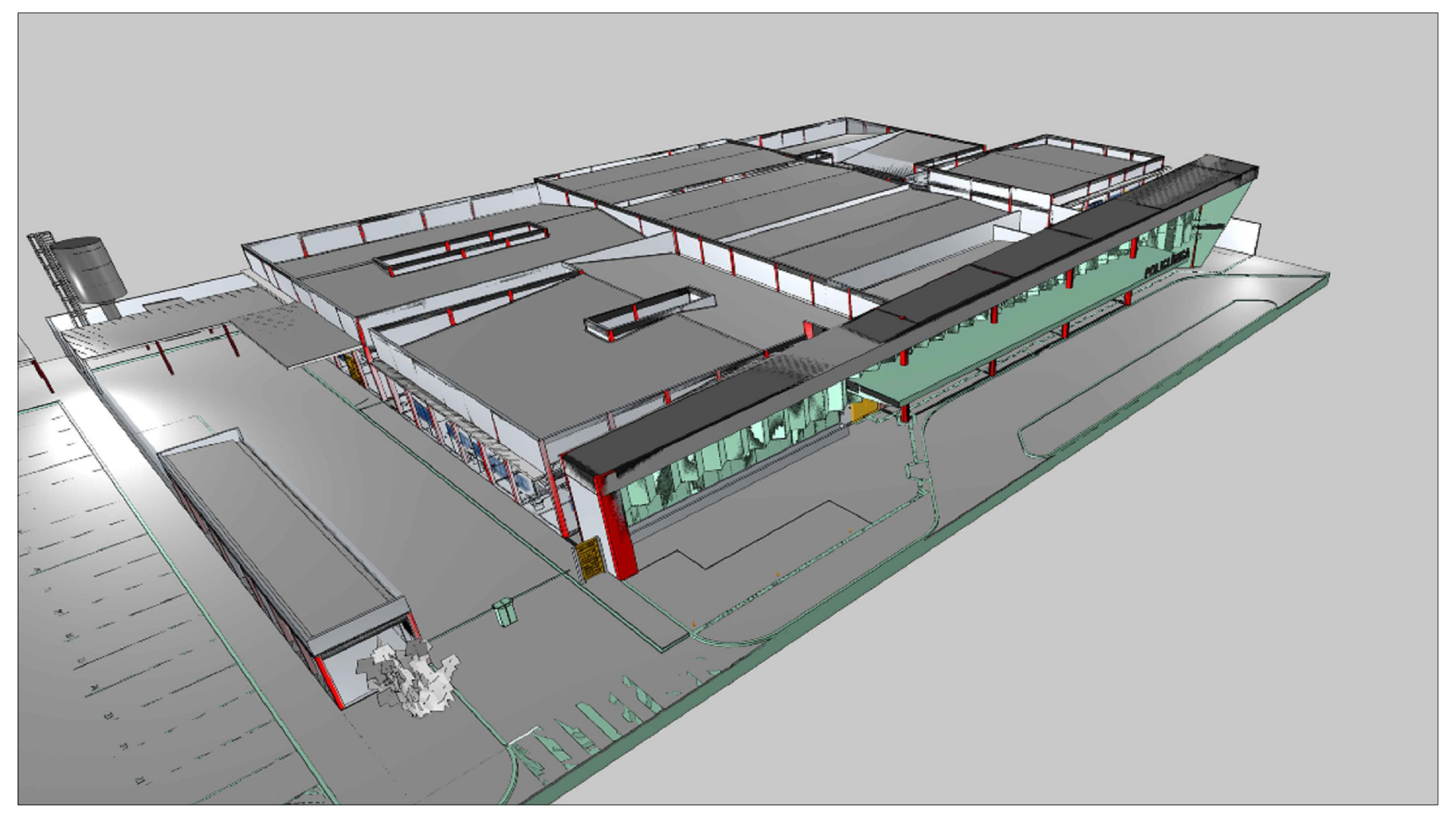


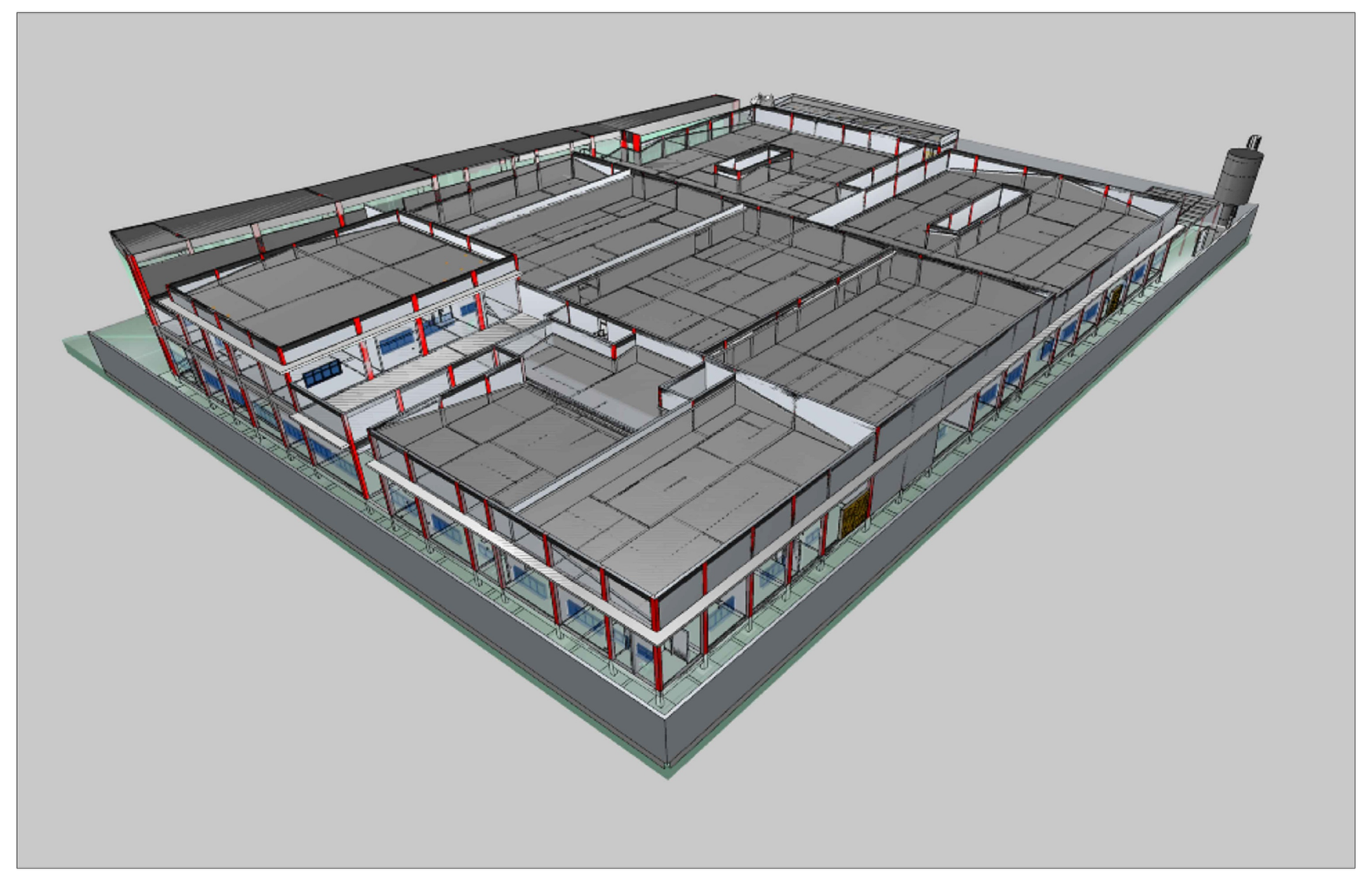
VERIFICAR REFERÊNCIA DE ACORDO COM O PROJETO ARQUITETÔNICO

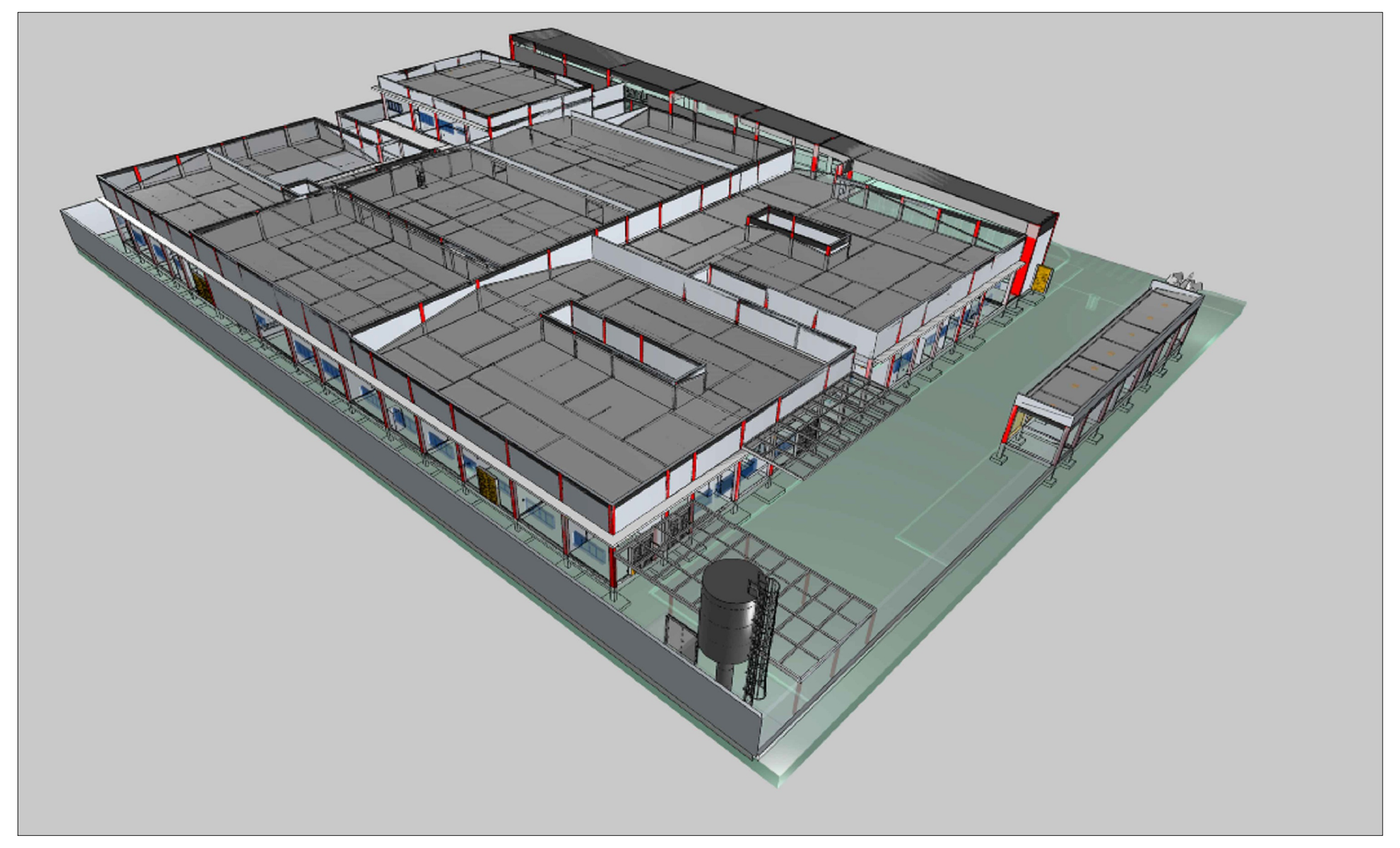


Planta de locação
escala 1:75









Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx Máximo (kgf.m) Positivo	Mx Máximo (kgf.m) Negativo	My Máximo (kgf.m) Positivo	My Máximo (kgf.m) Negativo	Fx Máximo (tf) Positivo	Fx Máximo (tf) Negativo	Fy Máximo (tf) Positivo	Fy Máximo (tf) Negativo	Fundação Lado B (cm)	Lado H (cm)	h1 / hb (cm)	df (cm)
P1	20x30	-459.74	-1361.92	11.9	10.7	0	0	0	0	0.0	-0.5	0.4	0.0	130	140	40	150
P2	20x30	-77.14	-1361.92	15.9	14.2	0	0	0	0	0.1	-0.3	0.0	0.0	150	160	45	150
P3	20x30	373.20	-1361.92	19.0	17.0	0	0	0	0	0.1	-0.2	0.2	0.0	165	175	50	150
P4	20x30	883.36	-1361.92	18.2	16.4	0	0	0	0	0.4	0.0	0.1	0.0	160	170	50	150
P5	20x30	1312.61	-1361.92	15.3	14.1	0	0	0	0	0.2	-0.2	0.1	0.0	145	155	45	150
P6	20x30	1721.71	-1361.92	17.7	16.4	0	0	0	0	0.1	-0.2	0.0	0.0	155	165	45	150
P7	20x30	2195.14	-1361.92	20.4	16.8	0	0	0	0	0.4	0.0	0.3	0.0	170	180	50	150
P8	20x30	2535.43	-1362.05	18.1	14.6	0	0	0	0	0.2	-0.2	0.0	0.0	160	170	50	150
P9	20x30	2915.83	-1361.92	25.1	19.9	0	0	0	0	0.0	-0.5	0.2	-0.2	195	205	60	150
P10	20x30	3435.59	-1361.92	23.5	18.9	0	0	0	0	0.5	0.0	0.3	0.0	185	195	55	150
P11	20x30	3787.07	-1361.92	16.7	13.2	0	0	0	0	0.2	-0.3	0.0	0.0	155	165	45	150
P12	20x57	4151.61	-1361.92	23.2	19.7	0	0	0	0	0.0	-0.2	0.4	0.0	170	205	50	150
P13	20x30	4619.41	-1361.92	16.5	14.7	0	0	0	0	0.4	0.0	0.1	0.0	150	160	45	150
P14	20x40	4938.42	-1361.92	13.4	12.1	0	0	0	0	0.4	-0.1	0.4	0.0	135	160	40	150
P15	20x30	5266.74	-1361.92	16.0	14.4	0	0	0	0	0.2	-0.2	0.3	0.0	150	160	45	150
P16	20x30	5625.83	-1361.92	15.0	13.6	0	0	0	0	0.2	-0.1	0.4	0.0	145	155	45	150
P17	20x30	5950.26	-1366.79	9.4	8.1	0	0	0	0	0.3	0.0	0.1	0.0	115	125	35	150
P18	20x30	5950.26	-1686.91	14.2	12.6	0	0	0	0	0.1	0.0	0.3	-0.4	140	150	40	150
P19	20x30	-464.74	-1776.75	12.5	10.7	0	0	0	0	0.1	-0.2	0.0	-1.0	130	140	40	150
P20	15x30	-69.64	-1784.25	11.0	8.8	0	0	0	0	0.2	-0.2	0.0	0.0	125	135	35	150
P21	15x30	380.70	-1784.25	12.6	10.1	0	0	0	0	0.2	-0.3	0.0	-0.3	130	140	40	150
P22	15x30	890.86	-1784.25	12.3	9.9	0	0	0	0	0.2	0.0	0.0	0.0	135	150	40	150
P23	15x30	1305.11	-1784.25	8.1	6.8	0	0	0	0	0.2	0.0	0.0	-0.2	105	120	30	150
P24	20x30	1550.11	-1917.35	9.3	9.0	0	0	0	0	0.0	-0.3	0.2	0.0	115	125	35	150
P25	20x30	1959.80	-1917.35	31.8	23.6	0	0	0	0	0.0	-0.2	0.4	0.0	215	220	65	150
P26	20x30	2535.43	-1912.35	28.7	15.5	0	0	0	0	0.4	-0.2	0.2	0.0	200	210	60	150
P27	20x70	2932.88	-1912.35	24.1	13.7	0	0	0	0	0.4	-0.2	0.1	-0.4	170	220	50	150
P28	20x71	3406.06	-1912.35	28.8	15.9	0	0	0	0	0.2	-0.3	0.1	-0.5	185	235	55	150
P29	20x30	3930.12	-1917.35	18.9	9.6	0	0	0	0	0.2	-0.2	0.3	0.0	165	175	50	150
P30	20x30	4170.11	-1917.35	24.7	20.4	0	0	0	0	0.1	-0.1	0.3	0.0	185	195	55	150
P31	20x30	4679.34	-1912.35	16.4	12.9	0	0	0	0	0.2	-0.1	0.1	0.0	150	160	45	150
P32	20x30	4953.42	-1912.35	13.5	10.7	0	0	0	0	0.1	-0.3	0.0	-0.5	135	150	40	150
P33	15x30	5416.99	-1917.35	24.7	19.6	0	0	0	0	0.0	-0.3	0.2	0.0	185	200	60	150
P34	20x30	-464.74	-1996.75	14.6	12.5	0	0	0	0	0.0	-0.1	0.2	-0.3	145	155	45	150
P35	20x30	85.26	-1996.75	15.8	12.5	0	0	0	0	0.1	-0.2	0.0	-0.3	150	160	45	150
P36	15x30	619.90	-1989.25	11.8	9.5	0	0	0	0	0.3	0.0	0.1	0.0	125	140	40	150
P37	15x30	962.56	-1989.25	9.3	7.5	0	0	0	0	0.2	-0.1	0.0	0.0	115	125	35	150
P38	15x30	1305.11	-1986.75	8.9	7.0	0	0	0	0	0.1	0.0	0.1	-0.1	115	125	35	150
P39	20x30	5950.26	-2077.03	20.0	18.1	0	0	0	0	0.4	0.0	0.1	-0.5	165	175	50	150
P40	15x30	4679.34	-2234.79	7.4	6.2	0	0	0	0	0.3	0.0	0.0	-0.3	105	115	30	150
P41	15x30	4959.50	-2234.79	9.7	8.4	0	0	0	0	0.1	-0.3	0.0	0.0	115	130	35	150
P42	15x30	5416.99	-2227.29	11.3	9.9	0	0	0	0	0.1	0.0	0.0	-0.5	125	140	40	150
P43	20x35	-464.74	-2419.44	16.5	14.8	0	0	0	0	0.1	0.0	0.0	-0.9	150	160	45	150
P44	20x60	85.26	-2427.73	25.4	21.0	0	0	0	0	0.0	-0.7	1.1	0.0	175	215	55	150
P45	20x30	619.90	-2447.73	17.8	16.1	0	0	0	0	0.6	0.0	0.0	-0.2	160	170	50	150
P46	20x30	972.90	-2447.73	13.3	11.9	0	0	0	0	0.3	-0.3	0.0	0.0	135	150	40	150
P47	20x30	1305.11	-2447.73	12.4	10.8	0	0	0	0	0.4	0.0	0.0	-0.4	130	140	40	150
P48	15x30	1555.11	-2414.85	8.8	7.7	0	0	0	0	0.0	-0.1	0.0	-0.2	115	125	35	150
P49	20x30	1959.80	-2407.35	24.1	19.0	0	0	0	0	0.1	-0.2	0.0	-0.7	185	195	55	150
P50	15x30	2535.43	-2414.85	18.0	11.1	0	0	0	0	0.2	0.0	0.0	-0.4	160	170	50	150
P51	15x30	2953.18	-2415.15	13.1	8.1	0	0	0	0	0.2	-0.2	0.0	-0.4	135	150	40	150
P52	25x30	3383.06	-2407.35	22.9	14.7	0	0	0	0	0.2	-0.2	0.0	-0.4	180	185	55	150
P53	20x30	3930.12	-2414.85	18.7	12.2	0	0	0	0	0.2	0.0	0.1	-0.5	160	170	50	150
P54	20x20	4170.42	-2362.29	12.7	10.5	0	0	0	0	0.2	0.0	0.0	-0.3	140	140	40	150
P55	20x20	4570.11	-2362.29	9.5	8.0	0	0	0	0	0.2	0.0	0.1	-0.2	120	120	35	150
P56	20x30	5950.26	-2517.27	15.0	13.3	0	0	0	0	0.3	0.0	0.0	-0.8	145	155	45	150
P57	20x30	1550.11	-2657.21	7.8	6.7	0	0	0	0	0.0	-0.3	0.2	-0.3	105	115	30	150
P58	20x30	2134.86	-2652.21	16.1	11.4	0	0	0	0	0.3	0.0	0.2	0.0	150	160	45	150
P59	20x30	2684.68	-2652.21	12.2	7.5	0	0	0	0	0.2	-0.2	0.0	0.0	130	140	40	150
P60	20x30	3145.12	-2652.21	10.5	6.5	0	0	0	0	0.2	0.0	0.1	-0.3	125	135	35	150
P61	20x20	4170.42	-2602.65	16.5	13.8	0	0	0	0	0.0	-0.1	0.2	-0.2	155	155	45	150
P62	20x20	4570.11	-2602.65	12.2	10.9	0	0	0	0	0.2	0.0	0.1	-0.3	135	135	40	150
P63	15x30	4929.50	-2605.15	16.0	14.9	0	0	0	0	0.1	-0.2	0.3	0.0	145	160	45	150
P64	15x30	5416.99	-2597.65	14.0	12.9	0	0	0	0	0.1	0.0	0.1	-0.2	135	150	40	150
P65	20x30	-464.74	-2763.43	18.1	16.2	0	0	0	0	0.1	0.0	0.2	-0.2	160	170	50	150
P66	20x65	85.26	-2740.49	28.6	23.3	0	0	0	0	0.0	-0.8	0.0	-1.2	185	235	55	150
P67	20x30	619.90	-2717.99	18.4	16.7	0	0	0	0	0.6	0.0	0.3	0.0	160	170	50	150
P68	20x30	972.90	-2717.99	13.9	12.6	0	0	0	0	0.2	-0.3	0.0	0.0	140	150	40	150
P69	20x30	1305.11	-2717.99	14.0	12.2	0	0	0	0	0.4	0.0	0.1	-0.4	140	150	40	150
P70	20x30	5950.26	-2747.11	14.1	12.6	0	0	0	0	0.3	0.0	0.5	-0.3	140	150	40	150
P71	15x30	2387.18	-2866.88	11.0	6.8	0	0	0	0	0.1	-0.2	0.0	-0.3	125	135	35	150
P72	15x40	2709.68	-2859.38	14.3	8.6	0	0	0	0	0.1	0.0	0.0	-0.3	135	160	40	150
P73	15x30	3152.62	-2866.88	11.1	6.6	0	0	0	0	0.2	0.0	0.2	-0.4	125	135	35	150
P74	15x40	3388.06	-2832.43	21.1	12.7	0	0	0	0	0.1	-0.1	0.2	-0.3	165	190	50	150
P75	20x30	3930.12	-2852.43	21.8	13.7	0	0	0	0	0.2	-0.2	0.2	-0.3	175	185	55	150
P76	15x30	5416.99	-2967.59	7.9	7.2	0	0	0	0	0.1	0.0	0.0	-0.3	105	115	30	150
P77	20x20	1550.44	-3087.91	11.5	9.5	0	0	0	0	0.0	-0.1	0.0	-0.2	135	135	40	150
P78	20x20	1959.80	-3087.91	20.8	17.3	0	0	0	0	0.2	0.0	0.1	0.0	175	175	55	150
P79	15x30	2127.36	-3087.91	10.5	6.4	0	0	0	0	0.1	0.0	0.0	-0.3	125	135	35	150
P80	20x30	-464.74	-3254.98	15.9	14.4	0	0	0	0	0.1	-0.2	0.0	-0.9	150	160	45	150
P81	20x30	4170.42	-3197.26	17.3	14.2	0	0	0	0	0.2	0.0	0.1	-0.3	155	165	45	150
P82	20x30	4370.42	-3197.26	15.6	14.2	0	0	0	0	0.1	-0.1	0.5	0.0	150	160	45	150
P83	15x30	4860.07	-3189.76	14.3	13.0	0	0	0	0	0.0	0.0	0.1	-0.1	140	155	45	150
P84	15x30	5134.05	-3189.76	5.7	5.0	0	0	0	0	0.2	-0.2	0.0	0.0	85	100	25	150
P85	15x30	5476.76	-3197.26	9.2	8.3	0	0	0	0	0.1	0.0	0.2	-0.2	115	125	35	150
P86	20x30	5950.26	-3182.26	15.1	14.4	0	0	0	0	0.2	0.0	0.0	-0.6	145	155	45	150
P87	15x40	-24.92	-3254.98	18.0	14.8	0	0	0	0	0.1	-0.2	0.1	-0.2	150	175	45	150
P88	15x40	489.94	-3254.98	20.3	16.2	0	0	0	0	0.1	-0.3	0.1	-0.2	160	185	50	150
P89	15x40	973.64	-3254.98	18.2	14.6	0	0	0	0	0.3	0.0	0.0	-0.2	160	185	50	150
P90	15x30	1312.44	-3262.48	9.6	7.6	0	0	0	0	0.2	0.0	0.0	-0.5	115	130	35	150
P91	15x30	2386.88	-3249.02	8.6	5.0	0	0	0	0	0.1	0.0	0.0	-0.5	105	120	30	150
P92	15x30	2642.18	-3258.72	11.6	5.0	0	0	0	0	0.0	-0.2	0.2	-0.1	125	140	40	150
P93	15x30	3152.62	-3248.72	12.7	7.0	0	0	0	0	0.2	0.0	0.2	-0.2	135	150	40	150
P94	20x30	1550.11	-3335.86	1.9	1.1	0	0	0	0	0.0	-0.4	0.2	-0.8	75	85	25	150
P95	15x30	2127.36	-3335.86	2.0	1.9	0	0	0	0	0.4	0.0	0.2	-0.6	65	80	25	150
P96	15x30	3388.06	-3387.77	14.1	7.4	0	0	0	0	0.0	-0.3	0.0	-0.4	140	155	45	150
P97	20x30	3930.12	-3387.77	17.9	9.7	0	0	0	0	0.4	0.0	0.1	-0.4	160	170	50	150
P98	20x30	-459.74	-3547.26	12.1	11.3	0	0	0	0	0.0	-0.6	0.0	-0.5	130	140	40	150
P99	20x30	-29.92	-3547.26	14.9	13.6	0	0	0	0	0.1	-0.2	0.1	-0.2	145	155	45	150
P100	20x30	484.94	-3547.26	14.2	13.1	0	0	0	0	0.2	0.0	0.0	-0.3	140	150	40	150
P101	20x30	978.64	-3547.26	13.6	12.0	0	0	0	0	0.6	0.0	0.5	0.0	140	150	40	150
P102	15x30	1312.44	-3552.64	10.0	8.1	0	0	0	0	0.1	0.0	0.1	-0.3	115	130	35	150
P103	20x50	1550.11	-3560.71	14.5	12.0	0	0	0	0	0.0	-0.2	0.3	-0.4	135	165	40	150
P104	20x30	1959.80	-3585.71	14.3	12.4	0	0	0	0	0.2	0.0	0.0	-0.3	140	150	40	150
P105	15x30	2127.36	-3578.21	14.8	8.8	0	0	0	0	0.1	-0.2	0.2	-0.3	140	155	45	150
P106	15x35	2642.48	-3568.21	20.4	12.7	0	0	0	0	0.1	0.0	0.1	-0.3	165	185	50	150
P107	15x35	3152.62	-3571.22	16.3	9.9	0	0	0	0	0.2	0.0	0.2	-0.4	150	165	45	150
P108	20x30	4855.07	-3527.26	8.6	7.5	0	0	0	0	0.1	-0.2	0.0	-0.3	110	120	30	150
P109	20x30	5134.05	-3522.26	7.7	7.2	0	0	0	0	0.3	-0.1	0.1	0.0	105	115	30	150
P110	20x30	5484.26	-3522.26	10.6	9.4	0	0	0	0	0.2	0.0	0.0	-0.2	125	135	35	150
P111	20x30	5945.26	-3522.26	10.1	9.9	0	0	0	0	0.3	0.0	0.1	-0.5	125	135	35	150
P112	15x30	3388.06	-3717.64	13.8	8.7	0	0	0	0	0.2	-0.2	0.2	-0.4	135	150	40	150
P113	20x30	3930.12	-3717.64	14.4	9.3	0	0	0	0	0.2	0.0	0.2	-0.3	140	150	40	150
P114	20x30	-459.74	-3816.80	12.2	11.2	0	0	0	0	0.0	-0.6	0.0	-0.3	130	140	40	150
P115	20x30	18.73	-3816.80	12.6	11.5	0	0	0	0	0.4	0.0	0.1	-0.1	135	150	40	150
P116	20x30	438.73	-3816.80	15.0	13.7	0	0	0	0	0.0	-0.5	0.2	0.0	145	150	45	150
P117	20x30	978.64	-3816.80	11.3	10.7	0	0	0	0	0.8	0.0	0.5	0.0	125	135	35	150
P118	20x30	4170.42	-3826.96	16.3	12.8	0	0	0	0	0.1	-0.2	0.1	-0.4	150	160	45	150
P119	20x30	4370.42	-3826.96	16.0	14.3	0	0	0	0	0.2	0.0	0.0	-0.4	150	160	45	150
P120	20x30	4860.07	-3771.80	15.8	13.9	0	0	0	0	0.1	-0.1	0.3	0.0	150	160	45	150
P121	20x30	5213.96	-3771.80	9.5	9.0	0	0	0	0	0.3	-0.2	0.1	-0.1	115	125	35	150
P122	20x30	5594.11	-3771.80	10.1	9.6	0	0	0	0	0.3	-0.2	0.1	-0.3	125	135	35	150
P123	20x30	5950.26	-3776.80	12.6	11.8	0	0	0	0	0.2	0.0	0.6	0.0	135	150	40	150
P124	20x30	1550.11	-3925.66	12.2	9.9	0	0	0	0	0.2	0.0	0.2	-0.4	130	140	40	150
P125	20x30	1959.80	-3925.66	9.3	8.3	0	0	0	0	0.2	0.0	0.1	0.0	115	125	35	150
P126	15x30	2127.36	-3925.66	17.3	10.5	0	0	0	0	0.1	-0.2	0.1	-0.3	160	170	50	150
P127	15x30	2642.18	-3925.66	17.3	9.4	0	0	0	0	0.2	0.0	0.3	-0.3	160	170	50	150
P128	20x30	-464.74	-4109.30	17.0	15.6	0	0	0	0	0.0	-0.5	0.0	-0.7	155	165	45	150
P129	20x30	18.73	-4109.30	20.9	17.6	0	0	0	0	0.4	0.0	0.1	-0.1	175	185	55	150
P130	15x30	438.73	-4109.30	19.5	16.2	0	0	0	0	0.0	-0.2	0.0	-0.1	165	180	50	150
P131	20x40	983.64	-4096.80	25.1	20.1	0	0	0	0	0.6	0.0	0.1	-0.2	185	205	55	150
P132	20x30	3395.56	-4072.72	6.5	2.9	0	0	0	0	0.1	-0.3	0.0	-0.2	95	105	25	150
P133	20x30	3930.12	-4067.72	7.3	3.4	0	0	0	0	0.3	0.0	0.2	-0.6	105	115	30	150
P134	20x30	-1725.05	-4137.15	2.4	1.9	0	0	0	0	0.1	0.0	0.1	-0.2	75	85	25	150
P135	20x30	-1375.55	-4137.15	2.4	1.9	0	0	0	0	0.1	-0.2	0.1	0.0	75	85	25	150
P136	15x30	1312.61	-4101.80	12.8	10.5	0	0	0	0	0.1	0.0	0.0	-0.4	135	150	40	150
P137	20x30	3145.12	-4073.72	12.2	7.2	0	0	0	0	0.4	0.0	0.0	-0.2	130	140	40	150
P138	20x30	1550.11	-4318.54	14.4	11.9	0	0	0	0	0.2	0.0	0.1	-0.3	140	150	40	150
P139	20x30	1954.80	-4313.54	20.3	15.7	0	0	0	0	0.2	-0.1	0.0	0.0	170	180	50	150
P140	20x30	2277.53	-4313.24	15.4	9.7	0	0	0	0	0.3	0.0	0.0	-0.3	145	155	45	150
P141	20x30	2642.18	-4313.54	18.7	10.9	0	0	0	0	0.2	-0.2	0.0	-0.4	160	170	50	150
P142	20x30	3008.91	-4318.54	20.7	12.6	0	0	0	0	0.0	0.0	0.1	-0.3	170	180	50	150
P143	15x40	3545.69	-4289.22	21.0	12.1	0	0	0	0	0.0	-0.1	0.1	-0.3	165	185	50	150
P144	20x30	3930.12	-4279.22	17.9	9.3	0	0	0	0	0.2	0.0	0.1	-0.3	160	170	50	150
P145	20x30	4170.42	-4336.77	22.0	18.5	0	0	0	0	0.0	-0.3	0.3	-0.3	175	185	55	150
P146	20x40	4535.42	-4331.77	29.8	26.2	0	0	0	0	0.7	0.0	0.5	0.0	200	220	60	150
P147	20x40	5015.47	-4331.77	31.0	27.1	0	0	0	0	0.5	0.0	0.0	-0.2	205	220	65	150
P148	20x40	5437.76	-4331.77	35.2	30.1	0	0	0	0	0.3	-0.1	0.3	0.0	220	240	70	150
P149	20x30	5950.26	-4336.77	24.9	22.5	0	0	0	0	0.2	0.0	0.0	-0.8	185	195	55	150
P150	20x30	-1730.05	-4412.15	3.9	3.5	0	0	0	0	0.1	0.0	0.0	-0.1	75	85	25	150
P151	20x30	-1370.55	-4412.15	3.8	3.4	0	0	0	0	0.1	0.0	0.2	-0.1	75	85	25	150
P152	20x30	-464.74	-4430.30	13.8	12.5	0	0	0	0	0.0	0.0	0.0	-0.6	140	150	40	150
P153	15x40	13.23	-4682.34	20.4	16.0	0	0	0	0	0.0	-0.2	0.0	-0.5	160	185	50	150
P154	20x30	524.23	-4672.34	24.4	20.2	0	0	0	0	0.2	-0.2	0.3	0.0	185	195	55	150
P155	20x25	865.29	-4672.34	13.2	12.0	0	0	0	0	0.1	-0.3	0.0	0.0	140	150	40	150
P156	20x30	1305.11	-4672.34	16.2	13.8	0	0	0	0	0.6	0.0	0.0	-0.3	150	160	45	150
P157	15x40	4707.73	-4659.33	26.3	21.3	0	0	0	0	0.2	0.0	0.0	-0.5	185	210	60	150
P158	15x45	5437.76	-4649.33	24.0	17.0	0	0	0	0	0.0	-0.3	0.0	-0.4	175	205	55	150
P159	20x30	5950.26	-4659.33	20.8	18.7	0	0	0	0	0.4	0.0	0.3	-0.3	170	180	50	150
P160	20x30	-464.74	-4751.31	15.4	14.1	0	0	0	0	0.0	-0.2	0.0	-0.7	145	155	45	150
P161	20x30	-1730.05	-4817.34	5.8	5.1	0	0	0	0	0.1	0.0	0.2	-0.2	95	105	25	150
P162	20x30	-1370.55	-4802.34	5.9	5.2	0	0	0	0	0.1	-0.2	0.2	0.0	95	105	25	150
P163	20x30	1555.11	-4833.21	13.7	11.0	0	0	0	0	0.3	0.0	0.0	-0.2	140	150	40	150
P164	20x70	1980.80	-4833.21	27.4	21.5	0	0	0	0	0.1	-0.7	0.4	0.0	185	235	55	150
P165	20x30	2277.53	-4833.21	13.1	7.4	0	0	0	0	0.4	-0.2	0.0	-0.3	135	150	40	150
P166	20x30	2640.71	-4833.21	10.9	5.2	0	0	0	0	0.3	-0.2	0.0	0.0	125	135	35	150
P167	20x30	3003.88	-4833.21	14.2	7.9	0	0	0	0	0.2	-0.3	0.0	-0.2	140	150	40	150
P168	20x40	3533.19	-4833.21	21.0	10.7	0	0	0	0	0.9	0.0	0.1	-0.4	165	185	50	150
P169	20x30	4170.42	-4828.73	45.2	34.3	0	0	0	0	0.0	-0.4	0.0	-0.5	255	265	80	150
P170	20x30	4535.42	-4828.73	14.3	12.1	0	0	0	0	0.5	0.0	0.0	-0.6	140	150	40	150
P171	20x30	524.23	-4941.92	15.3	13.6	0	0	0	0	0.0	-0.7	0.0	-0.4	145	155	45	150
P172	20x25	1046.61	-4941.92	14.9	13.5	0	0	0	0	0.6	0.0	0.1	-0.2	145	150	45	150
P173	20x30	1310.11	-4936.92	9.9	8.7	0	0	0	0	0.3	0.0	0.0	-0.8	115	125	35	150
P174	20x30	-464.74	-5091.73	12.5	11.5	0	0	0	0	0.0	-0.2	0.0	-0.7	130	140	40	150
P175	15x50	13.23	-5077.10	14.9	11.9	0	0	0	0	0.4	0.0	0.0	-0.6	135	170	40	150
P176	15x40	2390.53	-5070.53	11.0	6.1	0	0	0	0	0.3	0.0	0.3	0.0	115	140	35	150
P177	15x40	2774.28	-5070.53	9.4	5.6	0	0	0	0	0.5	0.0	0.1	0.0	115	130	35	150
P178	15x40	3170.53	-5070.53	12.7	6.7	0	0	0	0	0.5	0.0	0.2	-0.1	125	150	40	150
P179	15x55	3563.47	-5070.53	6.0	3.6	0	0	0	0	0.5	0.0	0.2	-0.2	80	120	25	150
P180	15x30	3818.38	-5078.03	16.5	10.9	0	0	0	0	0.1	-0.2	0.2	0.0	150	165	45	150
P181	15x35	4408.62	-5080.53	13.4	10.1	0	0	0	0	0.2	0.0	0.2	0.0	135	150	40	150
P182	15x58	4707.73	-5039.16	38.0	32.8	0	0	0	0	0.0	-0.2	0.3	-0.5	215	260	70	150
P183	20x55	5179.64	-5075.66	57.3	47.5	0	0	0	0	0.2	0.0	0.0	-0.6	275	310	85	150
P184	15x30	5437.76	-5063.16	1.7	1.5	0	0	0	0	0.1	-0.2	0.3	-0.4	65	80	25	150
P185	20x50	5950.26	-5043.16	30.3	26.1	0	0	0	0	0.1	0.0	0.0	-0.9	200	230	60	150
P186	20x30	-1730.05	-5354.84	4.9	4.3	0	0	0	0	0.2	0.0	0.1	-0.3	85	95	25	150
P187	15x30	-1375.55	-5354.84	4.9	4.3	0	0	0	0	0.1	-0.1	0.1	-0.2	85	95	25	150
P188	20x30	-464.74	-5396.92	19.9	17.8	0	0	0	0	0.0	-0.4	0.0	-0.4	165	175	50	150
P189	20x30	20.73	-5386.92	18.7	14.8	0	0	0	0	0.3	0.0	0.0	-0.3	160	170	50	150
P190	20x30	519.62	-5381.92	24.4	19.7	0	0	0	0	0.0	-0.3	0.0	-0.4	185	195	55	150
P191	15x30	1046.61	-5381.92	16.5	13.2	0	0	0	0	0.2	0.0	0.0	-0.4	150	165	45	150
P192	20x40	1310.11	-5376.92	18.5	14.7	0	0	0	0	0.2	0.0	0.0	-0.6	155	175	45	150
P193	20x40	2020.70	-5370.81	18.6	15.2	0	0	0	0	0.0	-0.3	0.0	-0.6	155	175	45	150
P194	20x60	2400.53	-5350.81	37.0	25.0	0	0	0	0	0.6	0.0	1.3	0.0	215	255	65	150
P195	15x30	4707.73	-5342.45	10.7	7.3	0	0	0	0	0.1	-0.2	0.2	-0.5	125	135	35	150
P196	15x70	5205.23	-5349.95	15.3	10.6	0	0	0	0	0.5	0.0	0.0	-0.5	130	185	40	150
P197	15x40	5622.79	-5362.45	26.6	21.3	0	0	0	0	0.2	0.0	0.3	-0.4	185	210	60	150
P198	20x30	5950.26	-5342.45	16.0	13.8	0	0	0	0	0.2	0.0	0.2	-0.6	150	160	45	150
P199	30x60	3165.18	-5462.88	41.9	29.5	0	0	0	0	0.0	-0.3	0.5	-0.4	235	265	70	150
P200	15x30	3575.97	-5485.03	4.2	2.9	0	0	0	0	0.2	-0.1	0.0	-0.3	75	90	25	150
P201	15x40	3830.88	-5485.48	22.3	15.8	0	0	0	0	0.6	0.0	0.1	-0.3	170	190	55	150
P202	15x40	4408.62	-5497.98	14.5	9.7	0	0	0	0	0.1	0.0	0.4	-0.6	135	160	40	150
P203	20x30	1692.57	-5606.92	14.0	10.3	0	0	0	0	0.4	0.0	0.0	0.0	140	150	40	150
P204	20x66	1982.70	-5606.92	24.2	20.3	0	0	0	0	0.0	-0.9	0.1	-0.2	170	215	50	150
P205	20x30	2630.61	-5606.92	2.5	2.2	0	0	0	0	0.3	-0.2	0.1	0.0	75	85	25	150
P206	15x30	-1725.05	-5704.84	3.5	3.0	0	0	0	0	0.2	0.0	0.1	-0.2	65	80	25	150
P207	15x30	-1375.55	-5704.84	4.1	3.5	0	0	0	0	0.1	-0.1	0.1	0.0	75	90	25	150
P208	15x40	4408.62	-5682.39	21.7	15.9	0	0	0	0	0.1	-0.2	0.5	-0.2	165	190	50	150
P209	20x25	4712.73	-5672.39	31.5	26.2	0	0	0	0	0.2	-0.2	0.1	-0.1	215	220	65	150
P210	20x30	5230.23	-5667.45	27.6	22.0	0	0	0	0	0.2	0.0	0.0	-0.8	195	205	60	150
P211	20x30	5625.29	-5667.45	20.2	15.6	0	0	0	0	0.2	0.0	0.0	-0.7	170	180	50	150
P212	20x30	5950.26	-5667.45	16.0	14.0	0	0	0	0	0.4	0.0	0.4	-0.4	150	160	45	150
P213	20x30	3160.53	-5807.46	2.1	1.6	0	0	0	0	0.1	0.0	0.4	-0.9	75	85	25	150
P214	15x50	3835.88	-5805.13	21.0	17.5	0	0	0	0	0.0	-0.4	0.1	-0.1	160	195	50	150
P215	20x30	-459.74	-5896.92	13.6	12.4	0	0	0	0	0.0	-0.4	0.0	-0.7	140	150	40	150
P216	20x30	-70.74	-5896.92	14.8	13.4	0	0	0	0	0.4	0.0	0.0	-0.3	145	155	45	150
P217	20x30	279.26	-5896.92	12.8	11.5	0	0	0	0	0.3	-0.2	0.0	-0.2	135	150	40	150
P218	20x30	629.26	-5896.92	14.5	12.9	0	0	0	0	0.3	-0.2	0.0	-0.3	140	150	40	150
P219	20x30	979.26	-5896.92	12.0	10.4	0	0	0	0	0.3	0.0	0.0	0.0	130	140	40	150
P221	20x30	-1730.05	-6007.36	3.7	3.1	0	0	0	0	0.1	0.0	0.2	-0.1	75	85	25	150
P222	20x20	-1370.55	-6128.57	3.8	3.2	0	0	0	0	0.1	0.0	0.1	-0.2	75	75	25	150
P223	20x100	-424.74	-6132.39	12.1	9.1	0	0	0	0	0.0	-4.7	0.0	-1.3	105	185	30	150
P225	20x50	1702.57	-6132.39	9.9	2.5	0	0	0	0	0.5	-0.2	0.4	-0.4	110	140	30	150
P226	20x40	2090.70	-6132.39	14.7	13.3	0	0	0	0	0.4	-0.1	0.0	-0.3	140	160	40	150
P227	20x40	2390.53	-6132.39	17.2	14.1	0	0	0	0	0.6	0.0	0.1	0.0	150	170	45	150
P228	20x25	2657.96	-6132.39	15.5	11.2	0	0	0	0	0.0	-0.5	0.2	0.0	155	160	45	150
P229	20x40	3170.53	-6132.39	24.2	20.8	0	0	0	0	0.8	0.0	0.2	-0.3	185	205	55	150
P230	20x50	3492.78	-6132.39	8.3	2.7	0	0	0	0	0.5	-0.3	0.3	-0.1	100	130	25	150
P231	20x30	3810.79	-6132.39	10.1	8.9	0	0	0	0	0.4	-0.2	0.1	-0.3	125	135	35	150
P232	20x30	4056.12	-6132.39	11.4	10.2	0	0	0	0	0.3	-0.3	0.1	0.0	125	135	35	150
P233	20x50	4391.12	-6132.39	14.9	6.6	0	0	0	0	0.5	-0.3	0.2	-0.6	135	165	40	150
P234	20x45	4722.73	-6132.39	16.1	13.5	0	0	0	0	0.5	-0.3	0.0	-0.4	145	170	45	150
P235	20x50	5006.26	-6132.39	16.7	13.9	0	0	0	0	0.1	-0.7	0.0	0.0	145	170	45	150
P239	20x30	-1730.05	-6317.39	2.6	2.1	0	0	0	0	0.1	-0.1	0.1	-0.1	75	85	25	150
P240	20x20	-1370.55	-6322.39	1.5	1.1	0	0	0	0	0.1	0.0	0.1	-0.2	75	75	25	150
P242	C50	1692.57	-6362.36	48.8	37.6	0	0	0	0	0.0	-0.6	0.4	-0.5	270	270	75	150
P243	C50	2592.78	-6362.38	41.0	37.1	0	0	0	0	0.6	-0.2	0.1	-0.5	250	250	70	150
P244	C50	3492.78	-6362.38	48.7	42.2	0	0	0	0	0.6	-0.1	0.4	-0.2	270	270	75	150
P245	C50	4392.78	-6362.38	57.2	48.2	0	0	0	0	0.8	0.0	0.2	-0.7	295	295	85	150
P246	30x100	-424.74	-6437.39	28.7	24.3	0	0	0	0	0.0	-6.7	0.9	0.0	180	250	50	150
P220+P224		1310.11	-6014.66	55.1	49.8	0	0	0	0	0.2	0.0	9.4	0.0	280	400	135	200
P236+P241		5562.53	-6227.95	66.4	60.4	0	0	0	0	0.4	0.0	4.4	0.0	335	400	135	200
P237+P238		5935.87	-6192.81	25.9	23.9	0	0	0	0	0.7	0.0	2.1	0.0	155	290	100	150

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.

Características do Projeto

1 – COBRIMENTO DAS ARMADURAS – PILARES E VIGAS: 3 cm
2 – COBRIMENTO DAS ARMADURAS – LAJES E ESCADAS: 3 cm
3 – COBRIMENTO DAS ARMADURAS – FUNDAÇÃO: 4.5 cm
4 – PREVER LASTRO DE CONCRETO MAGRO (5 cm) SOB AS ESTRUTURAS EM CONCRETO.
5 – OS VENTOS INCIDENTES NAS FACES X (90°) E Y (0°), RESPECTIVAMENTE, NÃO OCORREM SIMULTANEAMENTE.

LEGENDA DA PLANTA DE LOCAÇÃO

(A) ORIENTAÇÃO DOS EIXOS DOS PILARES
(1) ORIENTAÇÃO DOS EIXOS DOS PILARES

NOTAS 1 : DURABILIDADE

1 – CLASSE DE AGRESSIVIDADE AMBIENTAL: II
2 – MÓDULO DE ELASTICIDADE > 35.42 GPa
3 – FATOR A/C < 0.4
4 – AÇO CA 50A e CA 60B
5 – CONCRETO CLASSE > 35 MPa
6 – CONSUMO DE CIMENTO > 380 Kg/m3

NOTAS 2 : NORMAS

– NBR 06118 – 2023 – Projeto de Estruturas de Concreto armado
– NBR 06120 – 2019 – Cargas para o Cálculo de Estruturas de edificações – Procedimento
– NBR 06123 – 2023 – Forças Devidas ao Vento em Edificações
– NBR 8681 – 2003 – Ações e Segurança nas Estruturas
– NBR 6122 – 2022 – Projeto e execução de Fundações

NOTAS 3 : GERAIS

1 – Dimensões em Centímetros e Níveis em metros
2 – Conferir as disposição das armaduras antes da concretagem.
3 – A Responsabilidade pela fiscalização da obra é do Engº resp Técnico.
4 – Aconselhamos moldagem de corpos de prova para cada caminhão betoneira.
5 – Respeitar os prazos mínimos para retirada de formas e escoramentos.
6 – Evitar romper concreto após endurecido, com marreta e talhadeira.
7 – Toda e qualquer alteração no respectivo projeto, o Calculista deverá ser consultado e o mesmo deverá emitir seu parecer por escrito.

Secretaria de Planejamento Urbano
Marília PREFEITURA

ASSINATURAS E CARIMBOS DO ENTE - APROVAÇÃO E EXECUÇÃO
PLANTA CHAVE DE SITUAÇÃO

REVISÃO	DATA	DESCRIÇÃO
R01	04/09/2025	EMISSÃO INICIAL

TÍTULO DO PROJETO
POLICLÍNICA

PROPRIETÁRIO
MINISTÉRIO DA SAÚDE
SECRETARIA DE ATENÇÃO ESPECIALIZADA À SAÚDE

CNPJ
00.394.544/0109-03

ENDEREÇO
Secretaria de Atenção Especializada à Saúde
Esplanada dos Ministérios Bloco G Edifício Sede - Ministério da Saúde
CEP 70. 058-900 - Brasília- DF

PAC SAÚDE

DISCIPLINA
ESTRUTURAL
ART

TÍTULO DA PRANCHA
PROJETO ESTRUTURAL

DESCRIÇÃO DA ETAPA
PLANTA DE LOCAÇÃO

FOLHA: 1 /62

NOME: PRANCHA - ARQUIVO | REVISÃO R01 | UNIDADE CM / M | 04/09/20225 | ESCALA INDICADA

KAYO HENRIQUE MOREIRA | 199774/D | FOLHA A0 E FOLHAS PERSONALIZADAS

AUTOR(A) INTELECTUAL | REGISTRO

DIREITOS AUTORAIS RESERVADOR CONFORME LEGISLAÇÃO NACIONAL E INTERNACIONAL