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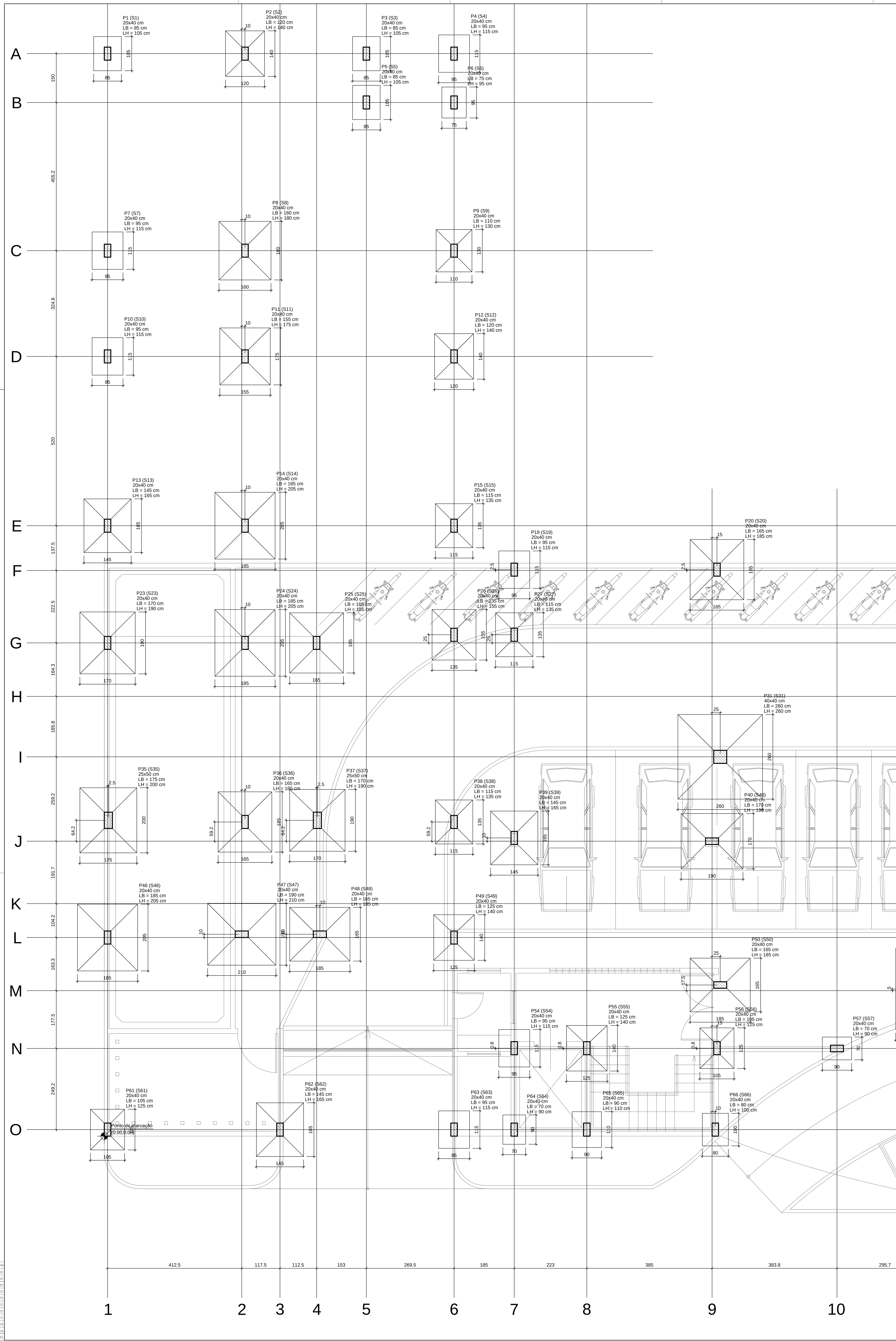
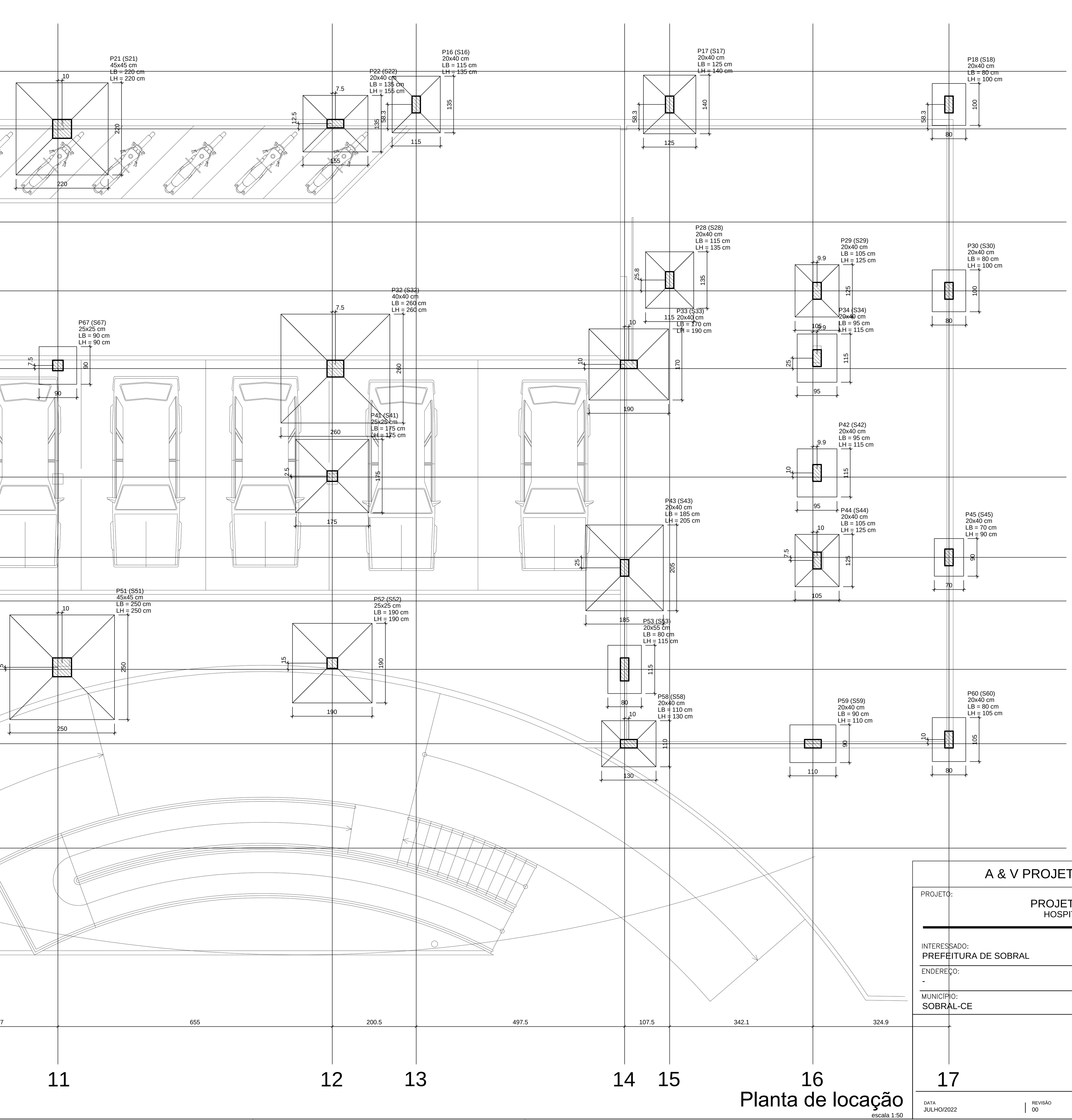


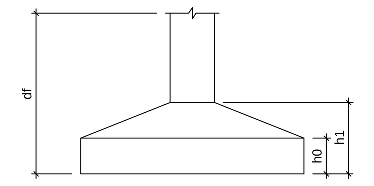


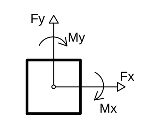
Pilar													
Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx. (tf)	Carga Mín. (tf)	Mx Máximo (kgf.m)		My Máximo (kgf.m)		Fx Máximo (tf)		Fy Máximo (tf)	
						Positivo	Negativo	Positivo	Negativo	Positivo	Negativo	Positivo	Negativo
P1	20x40	10.00	3325.00	19.4	12.6	400	-300	400	-500	0.2	-0.4	0.1	-0.2
P2	20x40	432.50	3325.00	40.0	25.7	600	-200	500	-500	0.3	-0.4	0.0	-0.4
P3	20x40	805.50	3325.00	14.7	4.5	800	-900	500	-500	0.3	-0.4	0.5	-0.5
P4	20x40	1075.00	3325.00	8.8	0.1	600	-700	500	-500	0.3	-0.4	0.3	-0.2
P5	20x40	805.50	3175.00	19.0	7.5	800	-1100	400	-500	0.3	-0.4	0.6	-0.5
P6	20x40	1075.00	3175.00	14.3	5.7	600	-600	500	-500	0.3	-0.4	0.4	-0.4
P7	20x40	10.00	2719.80	25.5	15.9	500	-400	500	-400	0.2	-0.2	0.1	-0.3
P8	20x40	432.50	2719.80	71.9	44.3	400	-500	600	-600	0.3	-0.2	0.3	-0.2
P9	20x40	1075.00	2719.80	32.9	20.6	600	-500	500	-500	0.3	-0.3	0.3	-0.2
P10	20x40	10.00	2395.00	23.1	14.5	500	-200	500	-400	0.2	-0.2	0.1	-0.3
P11	20x40	432.50	2395.00	66.2	40.5	600	-300	500	-400	0.3	-0.2	0.0	-0.4
P12	20x40	1075.00	2395.00	36.1	22.3	600	-400	500	-300	0.3	-0.1	0.2	-0.2
P13	20x40	10.00	1875.00	53.5	26.2	1300	-2600	500	-1600	0.5	-2.3	3.8	-1.2
P14	20x40	432.50	1875.00	96.0	54.3	900	-2300	900	-1100	1.1	-1.2	3.2	-0.5
P15	20x40	1075.00	1875.00	35.7	22.1	200	-400	700	-900	0.9	-1.0	0.3	0.0
P16	20x40	3403.00	1795.75	35.1	21.4	200	-1100	200	-300	0.1	-0.2	0.5	0.0
P17	20x40	4008.00	1795.75	44.0	28.0	600	-700	200	-100	0.3	-0.2	0.2	-0.5
P18	20x40	4674.95	1795.75	15.2	9.3	700	-900	300	0	0.3	0.0	0.7	-0.3
P19	20x40	1260.00	1740.00	23.2	12.2	300	-1000	200	-200	0.2	-0.3	0.9	-0.1
P20	20x40	1883.00	1740.00	70.5	45.4	600	-500	200	-300	0.1	-0.2	0.1	-0.8
P21	45x45	2557.50	1737.50	120.5	82.2	900	-1100	1100	-700	0.7	-0.1	0.0	-2.9
P22	20x40	3210.00	1750.00	52.1	33.4	400	-200	600	-400	0.6	0.0	0.0	-0.7
P23	20x40	10.00	1515.00	77.0	39.8	1900	-1900	500	-1200	0.5	-1.7	2.5	-2.4
P24	20x40	432.50	1515.00	87.8	49.5	2300	-1100	1100	-800	1.8	-0.6	0.6	-3.2
P25	20x40	652.50	1515.00	77.0	43.0	100	-200	400	-1200	0.4	-1.4	0.2	0.0
P26	20x40	1075.00	1540.00	45.2	27.5	300	-200	500	-1000	0.6	-1.1	0.2	-0.2
P27	20x40	1260.00	1540.00	36.9	20.4	400	-900	500	-800	0.6	-1.0	1.0	-0.1
P28	20x40	4008.00	1376.50	37.8	24.0	500	-1000	200	-100	0.2	-0.1	1.1	-0.2
P29	20x40	4359.95	1350.75	27.1	11.5	700	-900	300	-200	0.4	-0.2	0.8	-0.5
P30	20x40	4674.95	1350.75	12.6	7.6	800	-900	300	-200	0.3	0.0	0.8	-0.6
P31	40x40	1893.00	1165.00	162.3	105.9	900	-1500	400	-800	1.5	0.0	1.5	-0.4
P32	40x40	3210.00	1165.00	169.7	110.9	1600	-1000	900	-600	0.0	-1.8	0.7	-0.8
P33	20x40	3910.50	1175.00	78.8	48.1	100	-500	1400	0	1.4	0.0	0.5	0.0
P34	20x40	4359.95	1190.00	21.2	10.6	800	-1000	500	0	0.6	0.0	1.0	-0.9
P35	25x50	12.50	970.00	85.1	43.4	2200	-1800	400	-1000	0.4	-1.4	2.1	-2.6
P36	20x40	432.50	965.00	75.0	41.4	900	-2400	1000	-600	1.7	-0.2	3.6	-0.5
P37	25x50	655.00	970.00	76.5	42.6	200	-200	300	-1100	0.3	-1.3	0.2	-0.1
P38	20x40	1075.00	965.00	38.0	23.9	400	-100	400	-700	0.5	-0.8	0.1	-0.3
P39	20x40	1260.00	915.85	58.8	36.9	400	-500	200	-200	0.3	0.0	0.2	-0.3
P40	20x40	1868.00	905.85	78.5	47.6	300	-400	100	-700	0.0	-0.9	0.3	-0.3
P41	25x25	3202.50	908.35	76.7	48.6	600	-100	300	0	0.4	0.0	0.2	-0.7
P42	20x40	4359.95	915.85	24.0	14.6	700	-1100	200	0	0.2	0.0	1.2	-0.6
P43	20x40	3900.50	689.20	95.9	59.8	1200	-800	200	-300	0.2	-0.1	0.4	-1.3
P44	20x40	4360.05	706.70	32.1	17.8	800	-900	200	-200	0.2	-0.4	0.8	-0.7
P45	20x40	4674.95	714.20	8.3	5.1	800	-1000	200	-100	0.2	-0.2	0.6	-0.6
P46	20x40	10.00	610.00	89.2	43.1	1900	-1900	500	-1200	0.5	-1.3	2.2	-2.2
P47	20x40	422.50	620.00	98.2	51.4	800	-300	3500	-1900	5.8	-1.2	0.2	-1.1
P48	20x40	662.50	620.00	71.8	40.1	100	-200	1400	-3100	1.4	-3.8	0.1	0.0
P49	20x40	1075.00	610.00	39.1	24.7	400	-300	400	-700	0.4	-1.0	0.3	-0.2
P50	20x40	1893.00	464.20	77.2	46.0	400	-200	400	-500	0.4	-0.1	0.3	-0.4
P51	45x45	2557.50	451.70	154.4	103.6	1700	-300	400	-1100	0.0	-1.0	1.6	0.0
P52	25x25	3202.50	461.70	93.1	60.7	300	-300	200	-200	0.1	-0.2	0.2	-0.3
P53	20x55	3900.50	446.70	14.6	9.7	2100	-1800	400	0	0.6	0.0	1.1	-1.7
P54	20x40	1260.00	270.00	24.2	14.5	900	-400	200	-100	0.2	-0.1	0.0	-1.0
P55	20x40	1483.00	270.00	39.6	21.2	900	-800	100	-200	0.1	-0.3	0.5	-1.0
P56	20x40	1883.00	270.00	29.1	17.9	900	-900	300	-100	0.3	-0.1	0.7	-1.1
P57	20x40	2251.80	269.20	8.7	5.4	600	0	500	-400	0.4	-0.2	0.0	-0.8
P58	20x40	3910.50	269.20	35.0	19.7	300	-500	400	-400	0.2	-0.3	0.5	-0.3
P59	20x40	4350.05	269.20	20.2	12.7	300	-400	500	-600	0.4	-0.5	0.3	-0.3
P60	20x40	4675.00	279.20	4.0	2.1	800	-900	200	-100	0.2	-0.2	0.5	-0.6
P61	20x40	10.00	20.00	27.2	17.9	1900	-1400	200	-200	0.2	-0.2	1.3	-2.3
P62	20x40	540.00	20.00	58.1	38.1	400	-200	200	-200	0.2	-0.3	0.0	-0.5
P63	20x40	1075.00	20.00	26.8	17.8	400	0	400	-100	0.5	-0.2	0.0	-0.3
P64	20x40	1260.00	20.00	10.0	3.8	600	-500	300	-200	0.4	-0.2	0.4	-0.4
P65	20x40	1483.00	20.00	19.8	7.9	800	-700	200	-200	0.2	-0.4	0.6	-0.7
P66	20x40	1878.00	20.00	16.8	5.0	600	-700	300	-100	0.3	0.0	0.5	-0.4
P67	25x25	2547.50	1172.50	3.3	2.9	0	-700	300	-300	0.4	-0.2	1.2	0.0

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.

Locação no eixo X	
Coordenadas (cm)	Nome
10.00	P1, P7, P10, P13, P23, P46, P61
12.50	P35
422.50	P47
432.50	P2, P8, P11, P14, P24, P36
540.00	P62
652.50	P25
655.00	P37
662.50	P48
805.50	P3, P5
1075.00	P4, P6, P9, P12, P15, P26, P38, P49, P63
1260.00	P19, P27, P39, P54, P64
1483.00	P55, P65
1868.00	P40
1878.00	P66
1883.00	P20, P56
1893.00	P31, P50
2251.80	P57
2547.50	P67
2557.50	P21, P51
3202.50	P41, P52
3210.00	P22, P32
3403.00	P16
3900.50	P43, P53
3910.50	P33, P58
4008.00	P17, P28
4350.05	P59
4359.95	P29, P34, P42
4360.05	P44
4674.95	P18, P30, P45
4675.00	P60

Locação no eixo Y	
Coordenadas (cm)	Nome
3325.00	P1, P2, P3, P4
3175.00	P5, P6
2719.80	P7, P8, P9
2395.00	P10, P11, P12
1875.00	P13, P14, P15
1795.75	P16, P17, P18
1750.00	P22
1740.00	P19, P20
1737.50	P21
1540.00	P26, P27
1515.00	P23, P24, P25
1376.50	P28
1350.75	P29, P30
1190.00	P34
1175.00	P33
1172.50	P67
1165.00	P31, P32
970.00	P35, P37
965.00	P36, P38
915.85	P39, P42
908.35	P41
905.85	P40
714.20	P45
706.70	P44
689.20	P43
620.00	P47, P48
610.00	P46, P49
464.20	P50
461.70	P52
451.70	P51
446.70	P53
279.20	P60
270.00	P54, P55, P56
269.20	P57, P58, P59
20.00	P61, P62, P63, P64, P65, P66





Planta de locação
escala 1:50

A & V PROJETOS DE ENGENHARIA

PROJETO:
PROJETO ESTRUTURAL
HOSPITAL DR ESTEVAM

INTERESSADO:
PREFEITURA DE SOBRAL

ENDEREÇO:
-

MUNICÍPIO:
SOBRAL-CE

DESENHOS DA PRANCHA: PLANTA LOCAÇÃO FUNDAÇÕES
ESCALA: INDICADA

DATA: JULHO/2022
REVISÃO: 00
ARQUIVO:
EST 87

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