

LETTER	WATTS	PONTO	TENS. (V)	COND. (mm²)	DESL.
A	1000	1	220	2,5	20
B	1500	1	220	2,5	20
C	2000	1	220	2,5	20
D	2500	1	220	2,5	20
E	3000	1	220	2,5	20
F	3500	1	220	2,5	20
G	4000	1	220	2,5	20
H	4500	1	220	2,5	20
I	5000	1	220	2,5	20
J	5500	1	220	2,5	20
K	6000	1	220	2,5	20
L	6500	1	220	2,5	20
M	7000	1	220	2,5	20
N	7500	1	220	2,5	20
O	8000	1	220	2,5	20
P	8500	1	220	2,5	20
Q	9000	1	220	2,5	20
R	9500	1	220	2,5	20
S	10000	1	220	2,5	20
T	10500	1	220	2,5	20
U	11000	1	220	2,5	20

OBSERVAÇÕES:

- Equipamentos elétricos não citados devem ser 100% de eficiência.
- Condutores para circuitos de iluminação são bitrêzidos 450mm² de tipo Antichama.
- Condutores para circuitos de tomadas são bitrêzidos 450mm² de tipo Antichama.
- Condutores no lado zero de PVE - 1xV.
- Verificar circuitos no quadro de cargas.

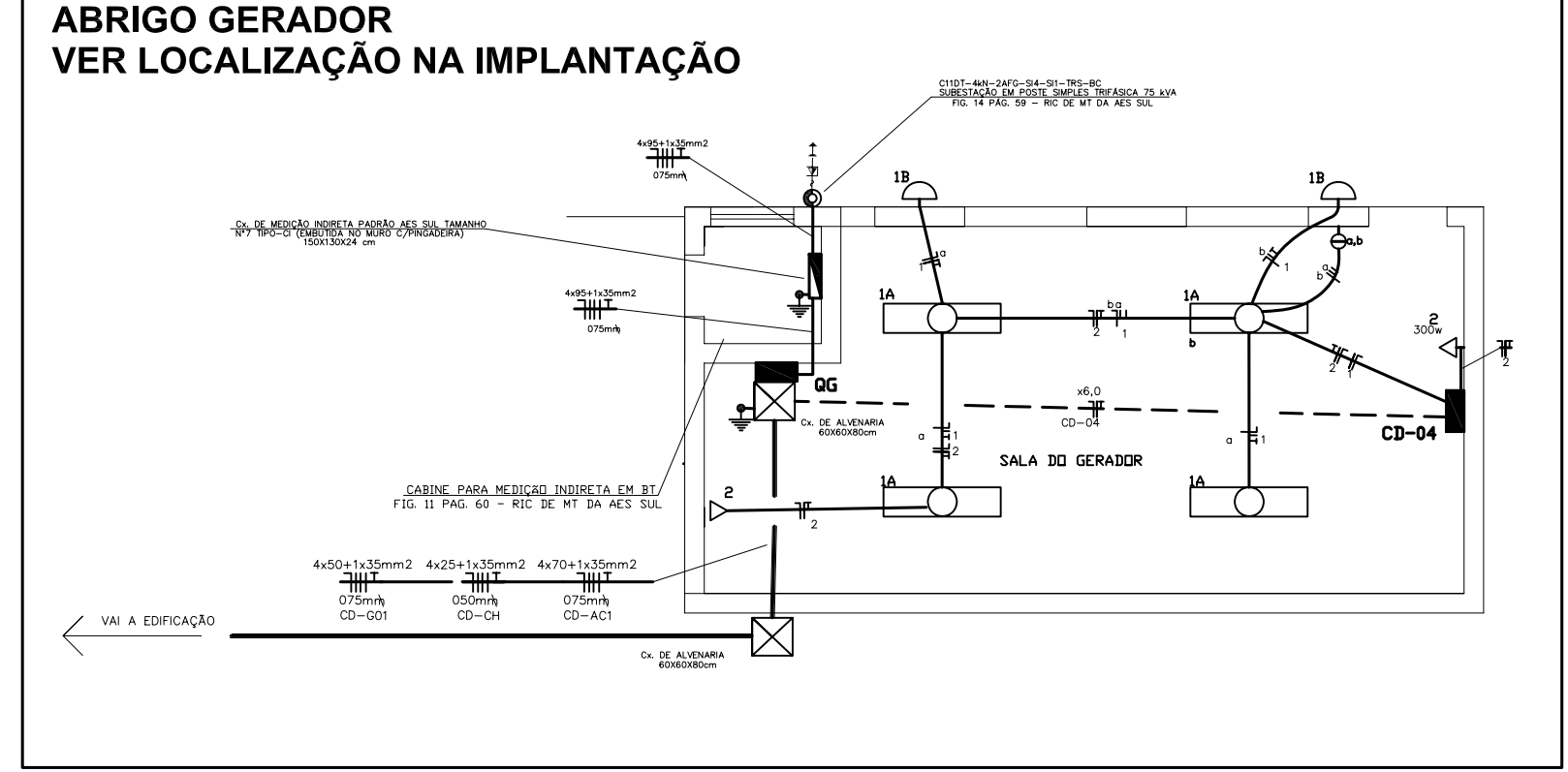
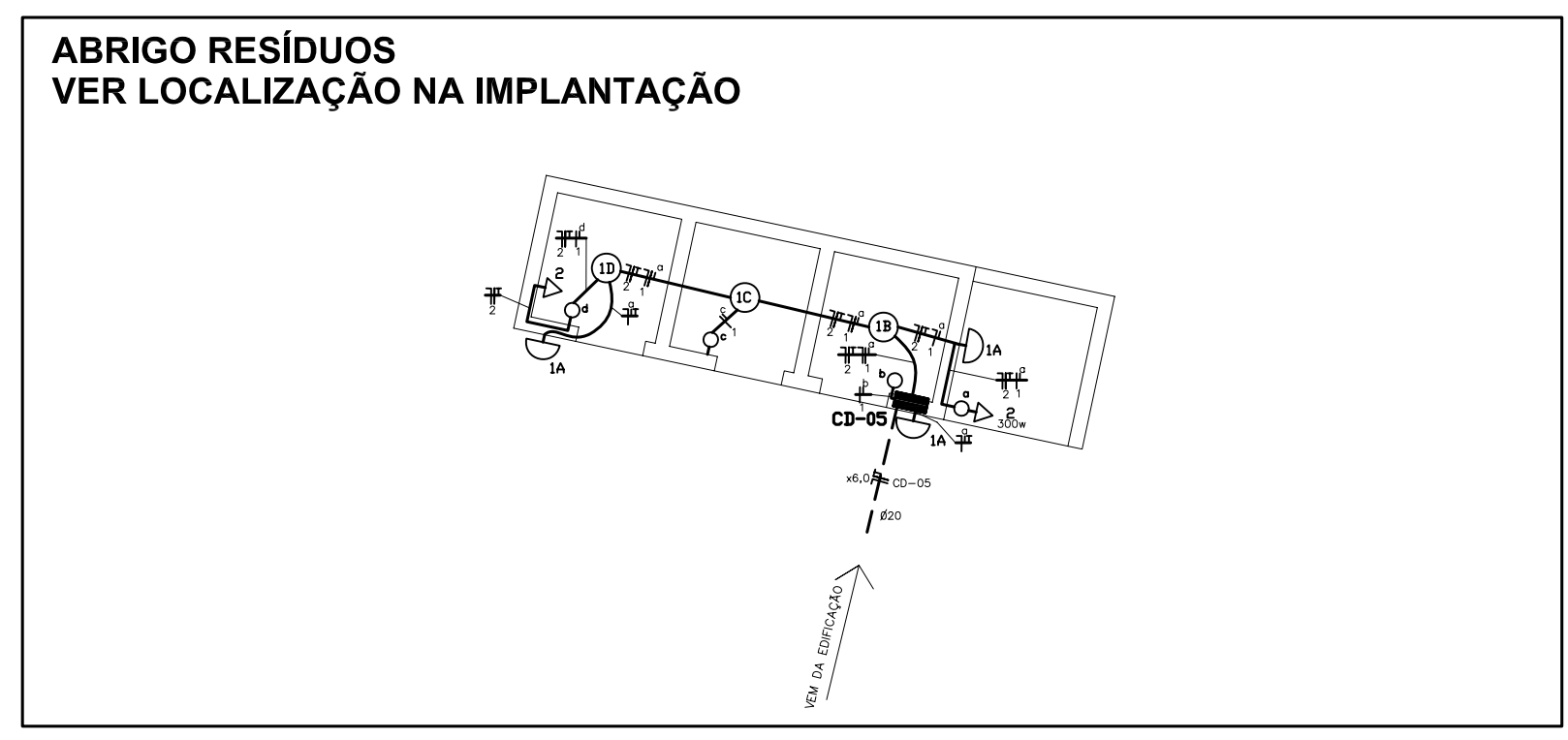
CIRC.	TOMADAS AB. CONDICIONADO			PONTOS	CARGA W	TENS. (V)	COND. (mm²)	DESL.
	1000	1500	2000					
62	1	1	1	3,000	220	4,0	2,0	20
63	1	1	1	3,000	220	4,0	2,0	20
64	1	1	1	3,000	220	4,0	2,0	20
65	1	1	1	3,000	220	4,0	2,0	20
66	1	1	1	3,000	220	4,0	2,0	20
67	1	1	1	3,000	220	4,0	2,0	20
68	1	1	1	3,000	220	4,0	2,0	20
69	1	1	1	3,000	220	4,0	2,0	20
70	1	1	1	3,000	220	4,0	2,0	20
71	1	1	1	3,000	220	4,0	2,0	20
72	1	1	1	3,000	220	4,0	2,0	20
73	1	1	1	3,000	220	4,0	2,0	20
74	1	1	1	3,000	220	4,0	2,0	20
75	1	1	1	3,000	220	4,0	2,0	20
76	1	1	1	3,000	220	4,0	2,0	20
77	1	1	1	3,000	220	4,0	2,0	20
78	1	1	1	3,000	220	4,0	2,0	20
79	1	1	1	3,000	220	4,0	2,0	20
80	1	1	1	3,000	220	4,0	2,0	20
81	1	1	1	3,000	220	4,0	2,0	20
82	1	1	1	3,000	220	4,0	2,0	20
83	1	1	1	3,000	220	4,0	2,0	20
84	1	1	1	3,000	220	4,0	2,0	20
85	1	1	1	3,000	220	4,0	2,0	20
86	1	1	1	3,000	220	4,0	2,0	20
87	1	1	1	3,000	220	4,0	2,0	20
88	1	1	1	3,000	220	4,0	2,0	20
89	1	1	1	3,000	220	4,0	2,0	20
90	1	1	1	3,000	220	4,0	2,0	20
91	1	1	1	3,000	220	4,0	2,0	20
92	1	1	1	3,000	220	4,0	2,0	20
93	1	1	1	3,000	220	4,0	2,0	20
94	1	1	1	3,000	220	4,0	2,0	20
95	1	1	1	3,000	220	4,0	2,0	20
96	1	1	1	3,000	220	4,0	2,0	20
97	1	1	1	3,000	220	4,0	2,0	20
CD-04	3	26	1	6	36	62,000	380	4x10 3x40
9 RES						16,000	380	4x10 3x40
SOMA	3,000	29,000	2,600	18,000		62,000	380	4x10 3x40

RESUMO DE CARGAS	
CARGA INSTALADA	
Iluminação e tomadas:	70,19 kW
Ar condicionado:	62,600 kW
Aquecimento:	45,000 kW
Ratio X:	10,00 kW
CARGA TOTAL INSTALADA: 182,79 kW	
CARGA DEMANDADA	
Iluminação e Tomadas: (90% dos primeiros 50 kW e 20% para o restante)	0,40 x 50,00 kW = 20,00 kW
0,20 x 20,19 kW = 4,04 kW	Sub-total = 24,04 kW
Ar condicionado individual: (96 unidades, Id = 90%)	0,90 x 62,60 kW = 56,34 kW
Aquecimento: (9 unidades, Id=51%)	0,51 x 45,00 kW = 22,95 kW
Ratio X (1 Unidade, Id= 100%)	1,00x10,00 kW = 10,00 kW
TOTAL = 113,33 kW	
CARGA TOTAL DEMANDADA = 113,33 kVA	

QUADRO DE CARGAS							
CIRC.	LAMPADAS FLUORESCENTE	TOMADAS	SOMA		TENS. (V)	COND. (mm²)	DESL.
			PONTOS	CARGA W			
53	1	1	5,000	220	4,0	2,0	20
54	1	1	5,000	220	4,0	2,0	20
55	1	1	5,000	220	4,0	2,0	20
56	1	1	5,000	220	4,0	2,0	20
57	1	1	5,000	220	4,0	2,0	20
58	1	1	5,000	220	4,0	2,0	20
59	1	1	5,000	220	4,0	2,0	20
60	1	1	5,000	220	4,0	2,0	20
61	1	1	5,000	220	4,0	2,0	20
4 RES							
SOMA	9	9	45,000	380	4x10 3x40		

CIRC.	LAMPADAS FLUORESCENTE	TOMADAS	SOMA		TENS. (V)	COND. (mm²)	DESL.
			PONTOS	CARGA W			
1	3	6	3	540	220	1,5	15
2	3	6	3	540	220	1,5	15
2 RES							
SOMA	6	12	6	1.080	220	6,0	60
3	6	12	3	240	220	1,5	15
4 RES							
SOMA	6	0	1	8	640	220	6,0

CD-04		CD-05		CD-06	
1	3	6	3	6	3
2	3	6	3	6	3
3	3	6	3	6	3
4	3	6	3	6	3
5	3	6	3	6	3
6	3	6	3	6	3
7	3	6	3	6	3
8	3	6	3	6	3
9	3	6	3	6	3
10	3	6	3	6	3
11	3	6	3	6	3
12	3	6	3	6	3
13	3	6	3	6	3
14	3	6	3	6	3
15	3	6	3	6	3
16	3	6	3	6	3
17	3	6	3	6	3
18	3	6	3	6	3
19	3	6	3	6	3
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21	3	6	3	6	3
22	3	6	3	6	3
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27	3	6	3	6	3
28	3	6	3	6	3
29	3	6	3	6	3
30	3	6	3	6	3
31	3	6	3	6	3
32	3	6	3	6	3
33	3	6	3	6	3
34	3	6	3	6	3
35	3	6	3	6	3
36	3	6	3	6	3
37	3	6	3	6	3
38	3	6	3	6	3
39	3	6	3	6	3
40	3	6	3	6	3
41	3	6	3	6	3
42	3	6	3	6	3
43	3	6	3	6	3
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64	3	6	3	6	3
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66	3	6	3	6	3
67	3	6	3	6	3
68	3	6	3	6	3
69	3	6	3	6	3
70	3	6	3	6	3
71	3	6	3	6	3
72	3	6	3	6	3
73	3	6	3	6	3
74	3	6	3	6	3
75	3	6	3	6	3
76	3	6	3	6	3
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78	3	6	3	6	3
79	3	6	3	6	3
80	3	6	3	6	3
81	3	6	3	6	3
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83	3	6	3	6	3
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91	3	6	3	6	3
92	3	6	3	6	3
93	3	6	3	6	3
94	3	6	3	6	3
95	3	6	3	6	3
96	3	6	3	6	3
97	3	6	3	6	3
98	3	6	3	6	3
99	3	6	3	6	3
100	3	6	3	6	3



PREFEITURA GRAVATAÍ SECRETARIA MUNICIPAL DE DESENVOLVIMENTO URBANO

SMDUR SECRETARIA MUNICIPAL DE SAÚDE

SMS SECRETARIA MUNICIPAL DE SAÚDE

Av. Ely Cunha, 675, Parque das Águas - Gravataí (RS) - CEP 94179-100
Fones: 3422-0322 / 3422-0771
www.gravatai.rs.gov.br

UPA 24h

PROJETO: **ELÉTRICO** ASSUNTO: **Planta Baixa**

ÁREA A CONSTRUIR: 1.254,12m² ÁREA TOTAL: 1.254,12 m² FRANCHA:

ESCALA: indicada DATA: ELET. 01

ARQUIVO DIGITAL: RESPONSÁVEIS TÉCNICOS:

TODOS OS DIREITOS RESERVADOS - PROIBIDA A REPRODUÇÃO PARCIAL OU TOTAL