

Quadro de Demanda (QGBT)			
Tipo de carga	Polência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG's (Escolas e semelhantes)	12.00	86	10.32
	15.10	50	7.55
Condicionador de Ar tipo janela (não residencial)	61.51	82	50.44
Chuveiros, ferros elétricos, aquecedores de água (não residencial)	10.80	92	9.94
TOTAL			78.24

Quadro de Cargas (QGBT)																
Circuito	Descrição	Esquema	Método de inst.	V (V)	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	In' (A)	Ip (A)	Seção (mm2)	Ic (A)
QD1		3F+N+T	B1	220 / 127 V	43950	39582	R+S+T	12060	13105	14417	0.91	1.00	132.4	132.4	50	175.0
QD2		3F+N+T	B1	220 / 127 V	55457	50462	R+S+T	15678	15950	16834	0.91	1.00	154.8	154.8	70	175.0
TOTAL					99407	90044	R+S+T	27738	29055	33251						

Quadro de Cargas (QD2)																
Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W)	Tomadas (W)	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	In' (A)	Seção (mm2)
QD COZINHA	ILUMINAÇÃO ESQUERDO	3F+N+T	B1	220 / 127 V	18	60	7355	5782	R+S+T	1500	2282	2000	1.00	1.00	17.4	4
1	bo	F+N+T	B1	127 V	2		828	828	T				1.00	0.65	6.7	2.5
	ap				2		92	92	T				1.00	0.70	3.1	2.5
	aq				2		92	92	T				1.00	0.70	2.1	2.5
	at				2		92	92	T				1.00	0.70	6.3	2.5
	au				2		92	92	T				1.00	0.65	6.7	2.5
	av				2		92	92	T				1.00	0.65	5.6	2.5
	ay				2		92	92	T				1.00	0.65	4.5	2.5
	az				2		92	92	T				1.00	0.65	3.3	2.5
	ba				2		92	92	T				1.00	0.65	2.2	2.5
2	ILUMINAÇÃO ESQUERDA 2	F+N+T	B1	127 V	20		920	920	T				1.00	0.65	10.3	2.5
	aa				1		46	46	T				1.00	0.65	1.1	2.5
	ab				1		46	46	T				1.00	0.65	0.6	2.5
	ac				3		138	138	T				1.00	0.65	2.8	2.5
	ad				3		138	138	T				1.00	0.65	4.5	2.5
	ae				2		92	92	T				1.00	0.65	8.3	2.5
	af				2		92	92	T				1.00	0.65	9.3	2.5
	ag				2		92	92	T				1.00	0.65	10.3	2.5
	ah				2		92	92	T				1.00	0.70	7.2	2.5
	ai				2		92	92	T				1.00	0.70	6.2	2.5
	aj				2		92	92	T				1.00	0.70	5.2	2.5
3	VENT. ESQUERDA	F+N	B1	127 V		8	800	800	T				1.00	0.65	9.7	2.5
	aw				2		200	200	T				1.00	0.65	9.7	2.5
	ax				2		200	200	T				1.00	0.65	7.3	2.5
	ay				2		200	200	T				1.00	0.65	4.8	2.5
	az				2		200	200	T				1.00	0.65	2.4	2.5
4	VENT. ESQUERDA 2	F+N	B1	127 V		8	800	800	T				1.00	0.70	9.0	2.5
	am				2		200	200	T				1.00	0.70	9.0	2.5
	an				2		200	200	T				1.00	0.70	6.7	2.5
	ao				2		200	200	T				1.00	0.70	4.5	2.5
	ap				2		200	200	T				1.00	0.70	2.2	2.5
5	VENT. ESQUERDA	F+N	B1	127 V		4	400	400	T				1.00	0.65	4.8	2.5
	ah				2		200	200	T				1.00	0.65	2.4	2.5
	ai				2		200	200	T				1.00	0.65	4.8	2.5
6	TOMADAS ESQUERDA	F+N+T	B1	127 V		8	972	800	T				1.00	0.65	7.4	2.5
7	TOMADAS ESQUERDA	F+N+T	B1	127 V		10	1167	1000	T				1.00	0.65	11.9	2.5
8	TOMADAS ESQUERDA	F+N	B1	127 V			0	0	T				1.00	1.00	0.0	2.5
9	ILUM. CORREDOR E REFLETOR	3F+N+T	B1	127 V	12	3	732	732	T				1.00	0.65	7.2	2.5
	bh				5		414	414	T				1.00	0.80	4.1	2.5
	bi				3		180	180	T				1.00	0.80	7.2	2.5
	bj				2		92	92	T				1.00	0.65	5.0	2.5
	bk				1		46	46	T				1.00	0.65	5.4	2.5
10	ILUM. EMERG.	F+N+T	B1	127 V		10	1111	1000	T				1.00	0.65	8.7	2.5
11	TOMADAS DML	F+N+T	B1	127 V		3	433	400	T				1.00	0.65	3.4	2.5
	bo				1		100	100	T				1.00	0.65	1.2	2.5
13	CHUV.	F+F+T	B1	220 V			5400	5400	R+T	2700			1.00	0.80	30.7	4
14	CHUV.	F+F+T	B1	220 V			5400	5400	S+T	2700			1.00	0.80	30.7	4
15	AR 1	F+F+T	B1	220 V			2889	2600	R+T	1300			1.00	0.60	21.9	4
16	AR 2	F+F+T	B1	220 V			2889	2600	S+T	1300			1.00	0.60	21.9	4
17	AR 3	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
18	AR 4	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
19	AR 5	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
20	AR 6	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
21	AR 7	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
22	AR 8	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
23	AR 9	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
24	AR 10	F+F+T	B1	220 V			2889	2600	R+S	1300			1.00	0.60	21.9	4
25	BEBEDOR	F+N+T	B1	127 V		2	250	200	T				1.00	0.65	3.0	2.5
TOTAL					50	3	55457	50462	R+S+T	15900	16682	17880	1.00	0.65	3.0	2.5

Quadro de Cargas (QD1)																											
Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W)					Tomadas (W)		Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	In' (A)	Seção (mm2)	Ic (A)	Disj (A)	dV parc (%)	dV total (%)	Status	
					46	60	100	2600	2810																		
1	ILUM.DIREITA	F+N+T	B1	127 V	18						828	828	92	T				828	1.00	0.54	12.1	2.5	24.0			Ok	
	i				2						92	92	T					92	0.54	4.0	2.5	24.0			Ok		
	j				2						92	92	T					92	0.54	2.7	2.5	24.0			Ok		
	k				2						92	92	T					92	0.54	1.3	2.5	24.0			Ok		
	l				2						92	92	T					92	0.54	8.0	2.5	24.0			Ok		
	m				2						92	92	T					92	0.54	6.7	2.5	24.0			Ok		
	n				2						92	92	T					92	0.54	2.7	2.5	24.0			Ok		
	o				2						92	92	T					92	0.54	1.3	2.5	24.0			Ok		
	p				2						92	92	T					92	0.54	8.0	2.5	24.0			Ok		
	q				2						92	92	T					92	0.54	12.1	2.5	24.0			Ok		
	r				2						92	92	T					92	0.54	10.7	2.5	24.0			Ok		
	s				2						92	92	T					92	0.54	9.4	2.5	24.0			Ok		
2	ILUM. DIREITA	F+N+T	B1	127 V	20						920	920	R		920			1.00	0.52	7.7	2.5	24.0	10.0	1.43	1.43	Ok	
	a				2						92	92	R		92			0.65	2.8	2.5	24.0				Ok		
	b				7						322	322	R		322			0.52	4.9	2.5	24.0				Ok		
	c				4						46	46	R		46			0.65	0.6	2.5	24.0				Ok		
	d				2						92	92	R		92			0.54	1.3	2.5	24.0				Ok		
	e				2						92	92	R		92			0.54	2.7	2.5	24.0				Ok		
	f				2						92	92	R		92			0.54	4.0	2.5	24.0				Ok		
	g				2						92	92	R		92			0.52	6.3	2.5	24.0				Ok		
	h				2						92	92	R		92			0.52	7.7	2.5	24.0				Ok		
3	ILUM. FRENTE	F+N+T	B1	127 V	4	7					604	604	T					604	1.00	0.52	9.1	2.5	24.0	10.0	1.52	1.52	Ok
	bg				4	4					424	424	T					424	0.52	6.4	2.5	24.0				Ok	
	bk				3						180	180	T					180	0.32	9.1	2.5	24.0				Ok	
4	ILUM.REFLETOR DIR.	F+N	B1	127 V		6					360	360	T					360	1.00	0.52	5.5	2.5	24.0	10.0	2.68	2.68	Ok
	bx				5						360	360	T					360	0.52	5.5	2.5	24.0				Ok	
5	ILUM.REFLETOR ESQ.	F+N	B1	127 V		5					300	300	T					300	1.00	0.52	4.5	2.5	24.0	10.0	2.38	2.38	Ok
	by				5						300	300	T					300	0.52	4.5	2.5	24.0				Ok	
6	TOM. DIR.	F+N+T	B1	127 V			9				1083	900	T					1083	1.00	0.54	15.8	2.5	24.0	16.0	1.96	1.96	Ok
7	TOM. DIR.	F+N+T	B1	127 V			3				361	300	T					300	1.00	0.54	3.6	2.5	24.0	16.0	0.26	0.26	Ok
8	TOM. SALA DOS PROF.	F+N+T	B1	127 V			6				750	600	T					600	1.00	0.70	8.4	2.5	24.0	16.0	0.96	0.96	Ok
9	IMPRESSORA	F+N+T	B1	127 V			4				500	400	T					400	1.00	0.70	5.6	2.5	24.0	16.0	0.43	0.43	Ok
10	TOM. SALA DOS PROF.	F+N+T	B1	127 V			10				1250	1000	T					1000	1.00	0.70	14.1	2.5	24.0	16.0	3.76	3.76	Ok
11	TOM. SECRE.	F+N+T	B1	127 V			7				861	700	T					700	1.00	0.52	13.0	2.5	24.0	16.0	1.92	1.92	Ok
12	TOM. DIRETORIA	F+N+T	B1	127 V			9				1083	900	T					900	1.00	0.52	16.4	2.5	24.0	16.0	1.82	1.82	Ok
13	ILUM.EMERG.	F+N+T	B1	127 V			8				778	700	T					700	1.00	0.52	6.5	2.5	24.0	13.0	0.65	0.65	Ok
14	VENT.	F+N	B1	127 V			8				800	800	T					800	1.00	0.54	11.7	2.5	24.0	16.0	2.03	2.03	Ok
	i						2				200	200	T					200	0.54	2.9	2.5	24.0				Ok	
	j						2				200	200	T					200	0.54	5.8	2.5	24.0				Ok	
	k						2				200	200	T					200	0.54	8.7	2.5	24.0				Ok	
	l						2				200	200	T					200	0.54	11.7	2.5	24.0				Ok	
	m						2				200	200	T					200	0.52	11.7	2.5	24.0				Ok	
15	VENT.2	F+N	B1	127 V			2				1100	1100	T					1100	1.00	0.52	11.7	2.5	24.0	16.0	0.84	0.84	Ok
	n						2				200	200	T					200	0.65	3.9	2.5	24.0				Ok	
	o						2				200	200	T					200	0.54	2.9	2.5	24.0				Ok	
	p						2				200	200	T					200	0.54	5.8	2.5	24.0				Ok	
	q						2				200	200	T					200	0.54	8.7	2.5	24.0				Ok	
	r						2				200	200	T					200	0.54	11.7	2.5	24.0				Ok	
	s						2				200	200	T					200	0.54	8.7	2.5	24.0				Ok	
	t						2				200	200	T					200	0.54	11.7	2.5	24.0				Ok	
	u						2				200	200	T					200	0.54	11.7	2.5	24.0				Ok	
	v						2				100	100	T					100	0.52	1.5	2.5	24.0				Ok	
17	AR 1	F+F+T	B1	220 V				1			3122	2810	S+T			1405		1405	1.00	0.65	21.8	4	32.0	25.0	1.02	1.02	Ok
18	AR 2	F+F+T	B1	220 V					1		2889	2600	R+T		1300		1300	1.00	1.00	0.65	20.2	4	32.0	25.0	0.81	0.81	Ok
19	AR 3	F+F+T	B1	220 V						1	2889	2600	S+T			1300		1300	1.00	0.70	18.8	1	32.0	25.0	0.67	0.67	Ok
20	AR 4	F+F+T	B1	220 V							2889	2600	R+S		1300	1300		1300	1.00	0.57	23.0	4	32.0	25.0	0.92	0.92	Ok
21	AR 5	F+F+T	B1	220 V							2889	2600	R+S		1300	1300		1300	1.00	0.57	23.0	4	32.0	25.0	1.23	1.23	Ok
22	AR 6	F+F+T	B1	220 V							2889	2600	R+S		1300	1300		1300	1.00	0.57	23.0	4	32.0	25.0	1.47	1.47	Ok
23	AR 7	F+F+T	B1	220 V							2889	2600	R+S		1300	1300		1300	1.00	0.57	23.0	4	32.0	25.0	1.71	1.71	Ok
24	AR 8	F+F+T	B1	220 V							2889	2600	R+S		1300	1300		1300	1.00	0.57	23.0	4	32.0	25.0	1.95	1.95	Ok
25	AR 9	F+F+T	B1	220 V							2889	2600	R+S		1300	1300		1300	1.00	0.57	23.0	4	32.0	25.0	2.19	2.19	Ok
26	REFLETOR QUADRA	F+N	B1	127 V		6					360	360	T					360	1.00	1.00	2.8	2.5	24.0	10.0	1.90	1.90	Ok
27	AR 10	F+F+T	B1	220 V					1		2889	2600	R+S		1300	1300		1300	1.00	0.65	20.2	4	32.0	25.0	2.45	2.45	Ok
28	AR 11	F+F+T	B1	220 V					1		2889	2600	R+S		1300	1300		1300	1.00	0.65	20.2	4	32.0	25.0	1.98	1.98	Ok
TOTAL					42	24	19	55	10	1	43950	39582	R+S+T		12620	13105	13857										