

Quadro de Demanda (QD1)			
Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG's (Escolas e semelhantes)	12.00	86	10.32
	2.65	50	1.33
		TOTAL	11.65

Quadro de Cargas (QD1)																							
Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminacão (W)	Tomadas (W)	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)	Disj (A)	dV parc (%)	dV total (%)	Status	
1	ILUM. SECR. DIR. LAB. SALA 07	F+N	B1	127 V	17	100	782	782	S	782	782	782	1.00	0.60	10.3	6.2	2.5	24.0	10.0	1.53	4.13	Ok	
	a				2		92	92	S			92		0.60	1.2		2.5	24.0				Ok	
	b				2		92	92	S			92		0.60	3.0		2.5	24.0				Ok	
	c				1		46	46	S			46		0.60	1.8		2.5	24.0				Ok	
	d				2		92	92	S			92		0.60	6.6		2.5	24.0				Ok	
	e				2		92	92	S			92		0.60	5.4		2.5	24.0				Ok	
	f				2		92	92	S			92		0.60	4.2		2.5	24.0				Ok	
	g				2		92	92	S			92		0.60	7.8		2.5	24.0				Ok	
	h				2		92	92	S			92		0.60	9.1		2.5	24.0				Ok	
	i				2		92	92	S			92		0.60	10.3		2.5	24.0				Ok	
2	ILUM. SALAS 8-9-10	F+N	B1	127 V	18		828	828	T			828	1.00	0.60	9.3	6.5	2.5	24.0	10.0	1.01	4.61	Ok	
	j				2		92	92	T			92		0.60	1.2		2.5	24.0				Ok	
	k				2		92	92	T			92		0.60	2.4		2.5	24.0				Ok	
	l				2		92	92	T			92		0.60	3.6		2.5	24.0				Ok	
	m				2		92	92	T			92		0.65	4.1		2.5	24.0				Ok	
	n				2		92	92	T			92		0.65	5.2		2.5	24.0				Ok	
	o				2		92	92	T			92		0.65	6.2		2.5	24.0				Ok	
	p				2		92	92	T			92		0.65	7.2		2.5	24.0				Ok	
	q				2		92	92	T			92		0.65	8.3		2.5	24.0				Ok	
	r				2		92	92	T			92		0.65	9.3		2.5	24.0				Ok	
3	ILUM. CORREDOR E REFEITORIO	F+N	B1	127 V	4	14	804	804	S			804	1.00	0.65	5.8	6.3	2.5	24.0	10.0	1.98	4.58	Ok	
	bp				4		160	160	S			160		0.65	1.9		2.5	24.0				Ok	
	bq				7		322	322	S			322		0.60	3.2		2.5	24.0				Ok	
	bt				7		322	322	S			322		0.65	5.8		2.5	24.0				Ok	
4	TUGs SECR. DIR.	F+N+T	B1	127 V		8	917	800	T			800	1.00	0.60	12.0	7.2	2.5	24.0	16.0	2.42	4.02	Ok	
5	TUGs INFO.	F+N+T	B1	127 V		10	1250	1000	S			1000	1.00	0.60	16.4	9.8	2.5	24.0	16.0	2.89	4.49	Ok	
6	TUGs INFO.	F+N+T	B1	127 V		10	1250	1000	T			1000	1.00	0.60	16.4	9.8	2.5	24.0	16.0	3.24	4.85	Ok	
7	TUGs INFO.	F+N+T	B1	127 V		10	1250	1000	S			1000	1.00	0.60	16.4	9.8	2.5	24.0	16.0	3.31	4.91	Ok	
8	TUGs INFO.	F+N+T	B1	127 V		10	1250	1000	T			1000	1.00	0.60	16.4	9.8	2.5	24.0	16.0	2.96	4.56	Ok	
9	TUGs SALAS 7-8-9-10	F+N+T	B1	127 V		12	1444	1200	R	1200			1.00	0.60	16.2	11.4	2.5	24.0	16.0	1.36	4.96	Ok	
10	TUGs 600W COZINHA	F+N+T	B1	127 V			1333	1200	R	1200			1.00	0.65	16.2	10.5	2.5	24.0	16.0	3.06	4.67	Ok	
11	TUE - MICRO	F+N+T	B1	127 V		1	111	100	S			100	1.00	0.65	1.3	0.9	2.5	24.0	20.0	0.43	4.03	Ok	
12	TUGs COZINHA	F+N+T	B1	127 V		2	1389	1200	R	1200			1.00	0.65	10.8	10.9	2.5	24.0	16.0	3.38	4.99	Ok	
	ba					1	500	400	R	400				1.00	0.0		2.5	24.0				Ok	
	bb						96	96	S					1.00	0.60	0.9	0.8	2.5	24.0	10.0	0.09	3.69	Ok
13	ILUM. EMER.	F+N	B1	127 V	8							96	1.00	0.60	14.6	10.2	2.5	24.0	16.0	1.24	4.84	Ok	
14	VENT. SALAS 7-8-9-10	F+N+T	B1	127 V		8	1300	1040	R	1040			1.00	0.60	14.6	10.2	2.5	24.0	16.0	1.24	4.84	Ok	
15	VENT. REFEITORIO	F+N+T	B1	127 V			650	520	T			520	1.00	0.65	7.9	5.1	2.5	24.0	16.0	1.88	4.48	Ok	
TOTAL					8	4	49	63	12	1	3	14654	12570	R+S+T	4640	3782	4148						

Quadro de Demanda (QD AR)			
Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Condicionador de Ar tipo janela (não residencial)	38.73	90	34.86
Chuveiros, ferros elétricos, aquecedores de água (não residencial)	16.20	84	13.61
		TOTAL	48.47

Quadro de Cargas (QD AR)																							
Circuito	Descrição	Esquema	Método de inst.	V	Tomadas (W)			Pot. total (VA)	Pot. total (W)	Fases	Pot. - S (W)	Pot. - T (W)	FCT	FCA	In' (A)	Ip (A)	Seção (mm2)	Ic (A)	Disj (A)	dV parc (%)	dV total (%)	Status	
					2000	2600	5400																
1	AR SECRE.	F+F+T	B1	220 V				2222	2000	R+T	1000		1000	1.00	0.65	15.5	10.1	4	32.0	25.0	2.06	2.06	Ok
2	AR DIR.	F+F+T	B1	220 V	1			2222	2000	S+T		1000	1000	1.00	0.65	15.5	10.1	4	32.0	25.0	1.68	1.68	Ok
3	AR 1 INFO.	F+F+T	B1	220 V		1		2889	2600	R+T	1300		1300	1.00	0.65	20.2	13.1	4	32.0	25.0	1.84	1.84	Ok
4	AR 2 INFO.	F+F+T	B1	220 V			1	2889	2600	S+T		1300	1300	1.00	0.65	20.2	13.1	4	32.0	25.0	1.53	1.53	Ok
5	AR 1 SALA 7	F+F+T	B1	220 V		1		2889	2600	R+T	1300		1300	1.00	0.65	20.2	13.1	4	32.0	25.0	1.24	1.24	Ok
6	AR 2 SALA 7	F+F+T	B1	220 V			1	2889	2600	S+T		1300	1300	1.00	0.65	20.2	13.1	4	32.0	25.0	0.93	0.93	Ok
7	AR 1 SALA 8	F+F+T	B1	220 V			1	2889	2600	R+T	1300		1300	1.00	0.65	20.2	13.1	4	32.0	25.0	0.65	0.65	Ok
8	AR 2 SALA 8	F+F+T	B1	220 V		1		2889	2600	S+T		1300	1300	1.00	0.65	20.2	13.1	4	32.0	25.0	0.57	0.57	Ok
9	AR 1 SALA 9	F+F+T	B1	220 V			1	2889	2600	R+T	1300		1300	1.00	0.65	20.2	13.1	4	32.0	25.0	0.85	0.85	Ok
10	AR 2 SALA 9	F+F+T	B1	220 V		1		2889	2600	S+T		1300	1300	1.00	0.65	20.2	13.1	4	32.0	25.0	1.16	1.16	Ok
11	AR 1 SALA 10	F+F+T	B1	220 V			1	2889	2600	R+T	1300		1300	1.00	0.65	20.2	13.1	4	32.0	25.0	1.45	1.45	Ok
12	AR 2 SALA 10	F+F+T	B1	220 V		1		2889	2600	S+T		1300	1300	1.00	0.65	20.2	13.1	4	32.0	25.0	1.76	1.76	Ok
13	CHUIVEIRO	F+F+T	B1	220 V				5400	5400	R+S	2700	2700		1.00	0.65	37.8	24.5	6	41.0	32.0	2.70	2.70	Ok
14	CHUIVEIRO WC MASC.	1F+F+T	B1	220 V				5400	5400	R+S	2700	2700		1.00	0.65	37.8	24.5	6	41.0	32.0	2.63	2.63	Ok
15	CHUIVEIRO WC MASC.	2F+F+T	B1	220 V				5400	5400	R+S	2700	2700		1.00	0.65	37.8	24.5	6	41.0	32.0	2.63	2.63	Ok
16	CHUIVEIRO WC FUNC.	F+F+T	B1	220 V				5400	5400	R+S	2700	2700		1.00	0.65	37.8	24.5	6	41.0	32.0	2.61	2.61	Ok
TOTAL					2	10	4	54933	51600	R+S+T	18300	18300	15000										

Quadro de Demanda (QD2)			
Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG's (Escolas e semelhantes)	9.55	86	8.21
		TOTAL	8.21

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)	Ip (A)	Seção (mm2)	Ic (A)	Disj (A)	dV parc (%)	dV total (%)	Status
1	ILUM. SALAS PROF. 1-2	F+N	B1	127 V	12 46 80	0 100 130	782	782	T			782	1.00	0.70	8.8	6.2	2.5 24.0	10.0		1.60	4.73	Ok
	an				2		92	92	T			92		0.70	7.2		2.5 24.0					Ok
	ao				1		46	46	T			46		0.70	7.8		2.5 24.0					Ok
	ap				1		46	46	T			46		0.70	8.8		2.5 24.0					Ok
	aq				1		46	46	T			46		0.70	8.3		2.5 24.0					Ok
	ar				2		92	92	T			92		0.70	3.1		2.5 24.0					Ok
	as				2		92	92	T			92		0.70	2.1		2.5 24.0					Ok
	at				2		92	92	T			92		0.70	1.0		2.5 24.0					Ok
	au				2		92	92	T			92		0.70	4.1		2.5 24.0					Ok
	av				2		92	92	T			92		0.70	5.2		2.5 24.0					Ok
	aw				1		46	46	T			46		0.70	6.2		2.5 24.0					Ok
2	ILUM. SALAS 3-4-5	F+N	B1	127 V	18		828	828	S			828	1.00	0.70	9.3	6.5	2.5 24.0	10.0		1.01	4.15	Ok
	ax				2		92	92	S			92		0.70	1.0		2.5 24.0					Ok
	ay				2		92	92	S			92		0.70	2.1		2.5 24.0					Ok
	az				2		92	92	S			92		0.70	3.1		2.5 24.0					Ok
	ba				2		92	92	S			92		0.70	4.1		2.5 24.0					Ok
	bb				2		92	92	S			92		0.70	5.2		2.5 24.0					Ok
	bc				2		92	92	S			92		0.70	6.2		2.5 24.0					Ok
	bd				2		92	92	S			92		0.70	7.2		2.5 24.0					Ok
	be				2		92	92	S			92		0.70	8.3		2.5 24.0					Ok
	bf				2		92	92	S			92		0.70	9.3		2.5 24.0					Ok
3	ILUM. SALA 6 WC E DEP.	F+N	B1	127 V	14		644	644	T			644	1.00	0.65	7.2	5.1	2.5 24.0	10.0		2.27	4.41	Ok
	bg				2		92	92	T			92		0.70	1.0		2.5 24.0					Ok
	bh				2		92	92	T			92		0.70	2.1		2.5 24.0					Ok
	bi				2		92	92	T			92		0.65	3.1		2.5 24.0					Ok
	bj				2		92	92	T			92		0.65	4.1		2.5 24.0					Ok
	bk				1		46	46	T			46		0.65	4.7		2.5 24.0					Ok
	bl				2		92	92	T			92		0.65	5.7		2.5 24.0					Ok
	bm				1		46	46	T			46		0.65	6.7		2.5 24.0					Ok
	bn				1		46	46	T			46		0.65	6.2		2.5 24.0					Ok
	bo				1		46	46	T			46		0.65	7.2		2.5 24.0					Ok
4	ILUM. CORREDORES	F+N	B1	127 V	8		368	368	T			368	1.00	0.80	3.6	2.9	2.5 24.0	10.0		1.71	4.84	Ok
	br				8		368	368	T			368		0.80	3.6		2.5 24.0					Ok
5	REFLETORES FRENTE	F+F	B1	220 V	5		480	480	R+T			240	1.00	0.70	1.9	2.2	2.5 24.0	10.0		0.56	3.69	Ok
	bu				3		300	300	R+T			150		0.70	1.9		2.5 24.0					Ok
	bw				1		180	180	R+T			90		0.80	1.0		2.5 24.0					Ok
6	TUGS SALA DOS PROF	F+N+T	B1	127 V	1	9	1158	800	S			900	1.00	0.70	13.0	9.1	2.5 24.0	16.0		2.59	4.72	Ok
	by				10		100	0	S			90		0.70	13.0		2.5 24.0					Ok
7	TUGS SALAS 1-2-3	F+N+T	B1	127 V		10	1194	1000	T			1000	1.00	0.70	13.4	9.4	2.5 24.0	16.0		1.84	4.97	Ok
8	TUGS SALAS 4-5-6	F+N+T	B1	127 V		10	1194	1000	S			1000	1.00	0.65	13.4	9.4	2.5 24.0	16.0		2.11	4.24	Ok
9	TUGS WC E DEP.	F+N+T	B1	127 V		7	806	700	R	700			1.00	0.65	9.8	6.3	2.5 24.0	16.0		3.49	4.62	Ok
10	VENT. SALAS 1-2-3	F+N+T	B1	127 V			975	780	R	780			1.00	0.70	11.0	7.7	2.5 24.0	16.0		1.14	4.28	Ok
11	VENT. SALAS 4-5-6	F+N+T	B1	127 V			975	780	R	780			1.00	0.70	11.0	7.7	2.5 24.0	16.0		1.92	4.05	Ok
12	ILU. EMER.	F+N	B1	127 V	12		144	144	R	144			1.00	0.65	1.6	1.1	2.5 24.0	10.0		0.32	3.45	Ok
TOTAL					12	57	8	1	36	12	9546	8406	R+S+T	2644	2728	3034						