Quadro de Cargas (AL1)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
QD1	QDGBT	3F+N+T	D	220 / 127 V	951217	860830	R+S+T	287895	288168	284768	0.90	1.00	0.60	1874.1	1000	2000.0	0.33	0.33
TOTAL					951217	860830	R+S+T	287895	288168	284768								

Quadro de Cargas (QD1)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 7360	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
QD2	QDFL01	3F+N+T	D	220 / 127 V		15020	12802	R+S+T	4140	3872	4790	0.85	1.00	0.60	28.7	10	40.0	0.80	1.12
QD3	QDFAR01	3F+N+T	D	220 / 127 V		31611	28450	R+S+T	9575	9150	9725	0.90	1.00	0.60	163.7	35	100.0	1.33	1.66
QD4	QDF.HD	3F+N+T	D	220 / 127 V		67634	52536	R+S+T	17820	16800	17916	0.78	1.00	0.38	211.9	70	150.0	1.81	2.14
QD5	QDFL.02	3F+N+T	D	220 / 127 V		21234	17788	R+S+T	5854	5627	6307	0.84	1.00	0.38	66.3	25	80.0	1.64	1.97
QD6	QDF.AR02	3F+N+T	D	220 / 127 V		67033	64650	R+S+T	22700	20000	21950	0.96	1.00	0.38	392.5	95	200.0	2.57	2.90
QD7	QDIT.01	2F+N+T	D	220 / 127 V		2222	2000	S+T		1000	1000	0.90	1.00	0.38	10.6	10	50.0	0.83	1.16
QD8	QDIT.02	2F+N+T	D	220 / 127 V		2222	2000	S+T		1000	1000	0.90	1.00	0.38	10.6	10	50.0	0.84	1.17
QD9	QDF.ENF.01	3F+N+T	D	220 / 127 V		12219	10560	R+S+T	3540	3490	3530	0.86	1.00	0.41	34.3	16	40.0	0.64	0.97
QD10	QDFAR.03	3F+N+T	D	220 / 127 V		24867	24000	R+S+T	8450	6250	9300	0.97	1.00	0.38	212.2	25	80.0	2.39	2.71
QD11	QDFL03	3F+N+T	D	220 / 127 V		17684	14856	R+S+T	5170	5160	4526	0.84	1.00	0.38	55.8	16	50.0	1.72	2.05
QD12	QDF.AR04	3F+N+T	D	220 / 127 V		18878	17530	R+S+T	5790	5675	6065	0.93	1.00	0.38	161.2	25	63.0	3.22	3.55
QD13	QDFL05	3F+N+T	D	220 / 127 V		15431	13190	R+S+T	3800	4456	4934	0.85	1.00	0.38	52.5	25	50.0	1.73	2.06
QD14	QDFAR05	3F+N+T	D	220 / 127 V		55756	54500	R+S+T	17300	19050	18150	0.98	1.00	0.38	307.7	70	150.0	3.66	3.99
QD15	QDFL.ENF.02	3F+N+T	D	220 / 127 V		10319	9292	R+S+T	3250	2900	3142	0.90	1.00	0.38	30.9	10	32.0	1.60	1.93
QD16	QDFL.ENF.03	3F+N+T	D	220 / 127 V		11973	10593	R+S+T	3500	3450	3643	0.88	1.00	0.38	35.2	16	40.0	1.82	2.15
QD17	QDF.AR06	3F+N+T	D	220 / 127 V		69611	68050	R+S+T	22250	25275	20525	0.98	1.00	0.38	366.4	95	200.0	3.22	3.55
QD18	QDFL.06	3F+N+T	D	220 / 127 V		10039	8510	R+S+T	2810	2884	2816	0.85	1.00	0.38	29.7	25	32.0	1.14	1.47
QD19	QDFL07	3F+N+T	D	220 / 127 V		27542	24057	R+S+T	7620	8380	8057	0.87	1.00	0.38	158.4	70	80.0	2.70	3.03
QD20	QDFAR07	3F+N+T	D	220 / 127 V		34211	32410	R+S+T	9830	11775	10805	0.95	1.00	0.38	269.7	50	100.0	6.47	6.80
QD21	QDFL.ADM	3F+N+T	D	220 / 127 V		22051	18864	R+S+T	6022	6436	6406	0.86	1.00	0.38	64.5	25	63.0	1.82	2.14
QD22	QDFAR08	3F+N+T	D	220 / 127 V		25667	23100	R+S+T	7475	7775	7850	0.90	1.00	0.38	208.7	25	80.0	5.92	6.25
QD23	QDFL.ENF.03	3F+N+T	D	220 / 127 V		5343	4744	R+S+T	1660	1550	1534	0.89	1.00	0.38	16.4	10	25.0	1.55	1.88
QD24	QDFLAR.09	3F+N+T	D	220 / 127 V		29811	28450	R+S+T	10350	9275	8825	0.95	1.00	0.38	222.6	35	100.0	6.07	6.39
QD25	QDFL.10	3F+N+T	D	220 / 127 V		25074	21863	R+S+T	7360	7128	7375	0.87	1.00	0.38	74.4	35	80.0	2.41	2.74
QD26	QDFAR11	3F+N+T	D	220 / 127 V		33411	32230	R+S+T	11050	10890	10290	0.96	1.00	0.38	228.2	50	100.0	5.21	5.54
QD27	QDFL.11	3F+N+T	D	220 / 127 V		13465	11484	R+S+T	4010	3588	3886	0.85	1.00	0.38	43.6	35	100.0	1.59	1.92
QD28	QDFAR.12	3F+N+T	D	220 / 127 V		17511	16300	R+S+T	5350	5500	5450	0.93	1.00	0.38	144.9	35	63.0	5.30	5.63
QD29	QDFAR	3F+N+T	D	220 / 127 V		45667	43800	R+S+T	16850	15850	11100	0.96	1.00	0.38	315.1	50	125.0	3.31	3.64
QD30	QDFL.RAIO X	3F+N+T	D	220 / 127 V		90909	80000	R+S+T	26667	26667	26667	0.88	1.00	0.38	194.6	95	200.0	2.66	2.98
QD31	QDFL.CME	3F+N+T	D	220 / 127 V		92227	84000	R+S+T	28000	28000	28000	0.91	1.00	0.38	477.7	120	250.0	2.49	2.82
QD32	QDFL	3F+N+T	B1	220 / 127 V		14364	11861	R+S+T	3582	4195	4084	0.83	1.00	0.38	40.9	25	50.0	0.88	1.21
QD33	QDIT.03	2F+N+T	B1	220 / 127 V		444	400	R+S	200	200		0.90	1.00	0.38	2.1	10	50.0	0.33	0.66
QD34	QDIT.04	2F+N+T	B1	220 / 127 V		2222	2000	R+T	1000		1000	0.90	1.00	0.38	10.6	10	50.0	1.52	1.84
QD35	QDIT.05	2F+N+T	B1	220 / 127 V		444	400	R+S	200	200		0.90	1.00	0.38	5.3	10	50.0	0.74	1.07
QD36	QDIT.06	2F+N+T	B1	220 / 127 V		444	400	R+S	200	200		0.90	1.00	0.38	5.3	10	50.0	0.79	1.12
QD37	QDIT.07	2F+N+T	B1	220 / 127 V		444	400	R+S	200	200		0.90	1.00	0.38	5.3	10	50.0	0.82	1.15
QD38	QDIT.08	2F+N+T	B1	220 / 127 V		444	400	R+S	200	200		0.90	1.00	0.38	2.1	10	50.0	0.33	0.66
QD39	QDF.TOMO	3F+T	B1	220 V		5682	5000	R+S+T	1667	1667	1667	0.88	1.00	0.38	39.2	70	150.0	0.68	1.01
32	Bomba Incendio	3F+T	B1	220 V	1	10085	7360	R+S+T	2453	2453	2453	0.73	1.00	0.60	44.1	16	32.0	2.74	3.07
TOTAL					1	951217	860830	R+S+T	287895	288168	284768								

Quadro de Cargas (QD2)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	Iluminação (W) 48	Tomadas (W) 30	100	200	250	300	400	600	900	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	2	11									629	576	T			576	0.92	1.00	0.41	12.1	2.5	16.0	0.56	1.68
	fo				2										96	48	T			48			0.80	0.9	2.5			
	fp					2									97	96	T			96			0.70	1.1	2.5			
	fq					2									97	96	T			96			0.70	1.1	2.5			
	fr					2									97	96	T			96			0.80	1.0	2.5			
	ho					2									97	96	T			96			0.70	1.1	2.5			
	md					1									48	48	T			48			0.45	0.8	2.5			
	me					2									97	96	T			96			0.80	1.0	2.5			
2	Iluminação - 02	F+N+T	B1	127 V		11									533	528	T			528	0.99	1.00	0.41	10.2	2.5	16.0	0.89	2.01
	fi					3									145	144	T			144			0.70	1.6	2.5			
	fj					2									97	96	T			96			0.60	1.3	2.5			
	fk					3									145	144	T			144			0.60	1.9	2.5			
	fl					3									145	144	T			144			0.60	1.9	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	2	6									387	336	T			336	0.87	1.00	0.41	7.4	2.5	16.0	0.30	1.42
	fm				1										48	24	T			24			1.00	0.4	2.5			
	fn				1										48	24	T			24			1.00	0.4	2.5			
	fs					2									97	96	T			96			0.80	1.0	2.5			
	ft					2									97	96	T			96			0.80	1.0	2.5			
	ka					2									97	96	T			96			0.80	1.0	2.5			
4	Iluminação - 04	F+N+T	B1	127 V	2	3									241	192	S		192		0.80	1.00	0.41	4.6	2.5	16.0	0.54	1.66
	he				1										48	24	S		24				1.00	0.4	2.5			
	hf				1										48	24	S		24				1.00	0.4	2.5			
	hg					2									97	96	S		96				0.70	1.1	2.5			
	hh					1									48	48	S		48				1.00	0.4	2.5			
5	Iluminação - 04	F+N+T	B1	127 V		10									485	480	S		480		0.99	1.00	0.38	9.3	2.5	16.0	1.42	2.55
	mm					4									194	192	S		192				1.00	1.5	2.5			
	mn					6									291	288	S		288				0.38	6.0	2.5			
6	Tomadas - 01	F+N+T	B1	127 V				4		2					1000	900	T			900	0.90	1.00	0.41	19.2	2.5	20.0	2.37	3.49
7	Tomadas - 02	F+N+T	B1	127 V				3		3					1167	1050	S		1050		0.90	1.00	0.41	22.4	2.5	20.0	2.65	3.77
8	Tomadas - 03	F+N+T	B1	127 V				5		1					833	750	T			750	0.90	1.00	0.41	16.0	2.5	20.0	0.83	1.95
9	Tomadas - 04	F+N+T	B1	127 V				3		3					1167	1050	S		1050		0.90	1.00	0.41	22.4	2.5	20.0	2.57	3.69
10	Tomadas - Impressora	F+N+T	B1	127 V										1	1000	900	T			900	0.90	1.00	0.41	19.2	2.5	20.0	1.98	3.10
11	Tomadas - 05	F+N+T	B1	127 V				6		2					1222	1100	S		1100		0.90	1.00	0.41	23.5	2.5	20.0	1.78	2.91
12	Tomadas - 06	F+N+T	B1	127 V				3							333	300	T			300	0.90	1.00	0.41	6.4	2.5	20.0	0.32	1.45
13	Tomadas - 07	F+N+T	B1	127 V				4	1	2					1222	1100	R	1100			0.90	1.00	0.41	23.5	2.5	20.0	1.11	2.24
14	Tomadas - 08	F+N+T	B1	127 V				5			1	1			1333	1200	R	1200			0.90	1.00	0.41	25.6	4	20.0	1.31	2.43
15	Tomadas - Copa 01	F+N+T	B1	127 V				5							556	500	T			500	0.90	1.00	0.41	10.7	2.5	20.0	0.80	1.93
16	Tomadas - Copa 02	F+N+T	B1	127 V							1		1		1000	900	R	900			0.90	1.00	0.41	19.2	2.5	20.0	2.02	3.14
17	Tomadas - 09	F+N+T	B1	127 V				3		1					611	550	R	550			0.90	1.00	0.41	11.7	2.5	20.0	1.34	2.46
18	Tomadas - Ilum. emergencia	F+N+T	B1	127 V			13								1300	390	R	390			0.30	1.00	0.38	25.0	4	20.0	0.48	1.60
TOTAL					6	41	13	41	1	14	2	1	1	1	15020	12802	R+S+T	4140	3872	4790								

Quadro de Cargas (QD3)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 850	1100	1650	2000	3000	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	COND. AR SPLIT - ADM HD	F+F+T	B1	220 V		1				1222	1100	R+T	550		550	0.90	1.00	0.38	14.6	4	16.0	0.44	2.10
2	COND. AR SPLIT - ASSISTENTE SOCIAL	F+F+T	B1	220 V	1					944	850	R+T	425		425	0.90	1.00	0.38	11.3	4	16.0	0.29	1.95
3	COND. AR SPLIT - NUTRIÇÃO HD	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.28	1.93
4	COND. AR SPLIT - RECUPERAÇÃO HD	F+F+T	B1	220 V			1			1833	1650	R+T	825		825	0.90	1.00	0.38	21.9	4	20.0	0.50	2.15
5	COND. AR SPLIT - COPA HD	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.32	1.98
6	COND. AR SPLIT - SALA TERAPIA (AMARELA)	F+F+T	B1	220 V		1				1222	1100	S+T		550	550	0.90	1.00	0.38	14.6	4	16.0	0.55	2.21
7	COND. AR SPLIT - REPROCESSAMENTO	F+F+T	B1	220 V	1					944	850	R+T	425		425	0.90	1.00	0.38	11.3	4	16.0	0.48	2.14
8	COND. AR SPLIT - COPA FUNC. HD	F+F+T	B1	220 V	1					944	850	R+T	425		425	0.90	1.00	0.38	11.3	4	16.0	0.65	2.30
9	COND. AR SPLIT - SALA HD	F+F+T	B1	220 V				1		2222	2000	S+T		1000	1000	0.90	1.00	0.38	26.6	4	20.0	1.41	3.07
10	COND. AR SPLIT - SALA HD	F+F+T	B1	220 V				1		2222	2000	R+T	1000		1000	0.90	1.00	0.38	26.6	4	20.0	1.16	2.81
11	COND. AR SPLIT - SALA HD	F+F+T	B1	220 V				1		2222	2000	S+T		1000	1000	0.90	1.00	0.38	26.6	4	20.0	0.93	2.58
12	COND. AR SPLIT - SALA HD	F+F+T	B1	220 V				1		2222	2000	R+T	1000		1000	0.90	1.00	0.38	26.6	4	20.0	0.61	2.26
13	COND. AR SPLIT - CONSULTORIO HD	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.30	1.96
14	COND. AR SPLIT - TRAIGEM HD	F+F+T	B1	220 V	1					944	850	R+T	425		425	0.90	1.00	0.38	11.3	4	16.0	0.31	1.97
15	COND. AR SPLIT - RECEPÇÃO HD	F+F+T	B1	220 V			1			1833	1650	S+T		825	825	0.90	1.00	0.38	21.9	4	20.0	0.90	2.56
16	COND. AR SPLIT - ESPERA HD	F+F+T	B1	220 V					1	3333	3000	R+S	1500	1500		0.90	1.00	0.38	39.9	6	25.0	0.94	2.60
17	COND. AR SPLIT - ESPERA HD	F+F+T	B1	220 V					1	3333	3000	R+S	1500	1500		0.90	1.00	0.38	39.9	6	25.0	0.89	2.55
18	COND. AR SPLIT - ESPERA HD	F+F+T	B1	220 V					1	3333	3000	R+S	1500	1500		0.90	1.00	0.38	39.9	6	25.0	0.84	2.49
TOTAL					7	2	2	4	3	31611	28450	R+S+T	9575	9150	9725								

Quadro de Cargas (QD4)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	Iluminação (W) 48	Tomadas (W) 30	100	250	750	900	2000	2200	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V		6								291	288	T			288	0.99	1.00	0.38	6.0	2.5	16.0	0.27	2.41
	fy					2								97	96	T			96			0.70	1.1	2.5			
	kb					2								97	96	T			96			0.70	1.1	2.5			
	kc					2								97	96	T			96			0.70	1.1	2.5			
2	Iluminação - 02	F+N+T	B1	127 V		14								679	672	T			672	0.99	1.00	0.38	14.1	2.5	16.0	1.95	4.09
	fu					4								194	192	T			192			0.57	2.7	2.5			
	fv					4								194	192	T			192			0.38	4.0	2.5			
	fw					2								97	96	T			96			0.80	1.0	2.5			
	fx					4								194	192	T			192			0.80	1.9	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	1	9								484	456	T			456	0.94	1.00	0.38	10.0	2.5	16.0	1.56	3.70
	hi					2								97	96	T			96			0.57	1.3	2.5			
	hj					2								97	96	T			96			0.57	1.3	2.5			
	hk					2								97	96	T			96			0.70	1.1	2.5			
	hl				1									48	24	T			24			1.00	0.4	2.5			
	hm					2								97	96	T			96			0.70	1.1	2.5			
	hn					1								48	48	T			48			0.70	0.5	2.5			
4	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	6	20.0	1.67	3.81
5	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	6	20.0	1.51	3.65
6	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+T	1100		1100	0.80	1.00	0.38	32.9	4	20.0		2.14
7	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	4	20.0		2.14
8	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+T	1100		1100	0.80	1.00	0.38	32.9	4	20.0		2.14
9	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	4	20.0		2.14
10	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+T	1100		1100	0.80	1.00	0.38	32.9	4	20.0		2.14
11	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	4	20.0		2.14
12	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+T	1100		1100	0.80	1.00	0.38	32.9	4	20.0		2.14
13	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	4	20.0		2.14
14	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+T	1100		1100	0.80	1.00	0.38	32.9	4	20.0		2.14
15	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	4	20.0		2.14
16	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+T	1100		1100	0.80	1.00	0.38	32.9	4	20.0		2.14
17	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	4	20.0		2.14
18	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	S+T		1100	1100	0.80	1.00	0.38	32.9	4	20.0		2.14
19	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+S	1100	1100		0.80	1.00	0.38	32.9	4	20.0		2.14
20	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+S	1100	1100		0.80	1.00	0.38	32.9	4	20.0		2.14
21	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+S	1100	1100		0.80	1.00	0.38	32.9	4	20.0		2.14
22	Maquina - HD	F+F+T	B1	220 V									1	2750	2200	R+S	1100	1100		0.80	1.00	0.38	32.9	4	20.0		2.14
23	Tomadas - Info	F+N+T	B1	127 V				2	2					778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	2.78	4.92
24	Tomadas - Info	F+N+T	B1	127 V				2	2					778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	3.09	5.23
25	Tomadas - Impressora	F+N+T	B1	127 V							1			1000	900	R	900			0.90	1.00	0.38	20.7	2.5	20.0	3.58	5.71
26	Tomadas - Impressora	F+N+T	B1	127 V							1			1000	900	R	900			0.90	1.00	0.38	20.7	2.5	20.0	3.97	6.11
27	Tomadas - TUG's - TV's	F+N+T	B1	127 V				8						889	800	R	800			0.90	1.00	0.38	18.4	2.5	20.0	2.21	4.35
28	Maquina Osmoze - HD	F+F+T	B1	220 V								1		2500	2000	R+S	1000	1000		0.80	1.00	0.38	29.9	4	20.0	0.59	2.73
29	Bomba 01	F+F+T	B1	220 V						1				1591	750	R+S	375	375		0.47	1.00	0.38	19.0	2.5	16.0	0.70	2.84
30	Bomba 02	F+F+T	B1	220 V						1				1591	750	R+S	375	375		0.47	1.00	0.38	19.0	2.5	16.0	0.66	2.80
31	Bomba 03	F+F+T	B1	220 V						1				1591	750	R+S	375	375		0.47	1.00	0.38	19.0	2.5	16.0	0.60	2.74
32	Bomba 04	F+F+T	B1	220 V						1				1591	750	R+S	375	375		0.47	1.00	0.38	19.0	2.5	16.0	0.56	2.70
33	Tomadas - TUG's	F+N+T	B1	127 V			4	2						622	320	R	320			0.51	1.00	0.38	12.9	2.5	20.0	1.30	3.44
TOTAL					1	29	4	14	4	4	2	1	19	67634	52536	R+S+T	17820	16800	17916								

Quadro de Cargas (QD5)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	25	48	Tomadas (W) 30	100	250	300	600	900	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	2		12							678	624	R	624			0.92	1.00	0.38	11.0	2.5	16.0	0.88	2.85
	gr				1									48	24	R	24					1.00	0.4	2.5			
	gs				1									48	24	R	24					1.00	0.4	2.5			
	gt						2							97	96	R	96					0.80	1.0	2.5			
	gu						2							97	96	R	96					0.80	1.0	2.5			
	hp						2							97	96	R	96					0.65	1.2	2.5			
	hq						2							97	96	R	96					0.65	1.2	2.5			
	ll						1							48	48	R	48					1.00	0.4	2.5			
	lm						2							97	96	R	96					0.80	1.0	2.5			
	ml						1							48	48	R	48					1.00	0.4	2.5			
2	Iluminação - 02	F+N+T	B1	127 V	3		4							338	264	T			264	0.78	1.00	0.38	3.0	2.5	16.0	0.15	2.12
	gl				1									48	24	T			24			1.00	0.4	2.5			
	gm				1									48	24	T			24			1.00	0.4	2.5			
	gn				1									48	24	T			24			1.00	0.4	2.5			
	go						2							97	96	T			96			0.80	1.0	2.5			
	gp						1							48	48	T			48			0.70	0.5	2.5			
	gq						1							48	48	T			48			0.80	0.5	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	1		7							387	360	T			360	0.93	1.00	0.38	8.0	2.5	16.0	0.31	2.28
	gc						2							97	96	T			96			0.65	1.2	2.5			
	gd						2							97	96	T			96			0.70	1.1	2.5			
	gx						1							48	48	T			48			0.70	0.5	2.5			
	gy						1							48	48	T			48			0.60	0.6	2.5			
	gz						1							48	48	T			48			0.60	0.6	2.5			
	kd				1									48	24	T			24			1.00	0.4	2.5			
4	Iluminação - 04	F+N+T	B1	127 V			24							1164	1152	S		1152		0.99	1.00	0.38	24.1	4	16.0	0.99	2.96
	ke						1							48	48	S		48				0.41	0.9	4			
	kf						1							48	48	S		48				0.41	0.9	4			
	kg						1							48	48	S		48				0.41	0.9	4			
	kh						1							48	48	S		48				0.41	0.9	4			
	ki						1							48	48	S		48				0.45	0.8	4			
	kj						1							48	48	S		48				0.45	0.8	4			
	kk						1							48	48	S		48				0.45	0.8	4			
	kl						1							48	48	S		48				0.45	0.8	4			
	km						1							48	48	S		48				0.45	0.8	4			
	kn						5							242	240	S		240				0.70	2.7	4			
	ko						5							242	240	S		240				0.70	2.7	4			
	kp						5							242	240	S		240				0.70	2.7	4			
5	Iluminação - 05	F+N+T	B1	127 V	8	1	6							700	505	T			505	0.72	1.00	0.38	14.5	2.5	16.0	1.08	3.05
	fz				1									48	24	T			24			1.00	0.4	2.5			
	ga						2							97	96	T			96			0.80	1.0	2.5			
	gb						1							48	48	T			48			0.80	0.5	2.5			
	ge						1							48	48	T			48			0.80	0.5	2.5			
	gf				1									48	24	T			24			1.00	0.4	2.5			
	gg				1									48	24	T			24			0.70	0.5	2.5			
	gh				2									96	48	T			48			0.65	1.2	2.5			
	gi				1									48	24	T			24			1.00	0.4	2.5			
	gj				1									48	24	T			24			1.00	0.4	2.5			
	gk						2							97	96	T			96			0.65	1.2	2.5			
	kq				1									48	24	T			24			1.00	0.4	2.5			
	mg					1								25	25	T			25			0.41	0.5	2.5			
6	Iluminação - 06	F+N+T	B1	127 V			11							533	528	T			528	0.99	1.00	0.38	11.1	2.5	16.0	1.87	3.83
	ha						2							97	96	T			96			0.70	1.1	2.5			
	hb						2							97	96	T			96			0.70	1.1	2.5			
	hc						2							97	96	T			96			0.70	1.1	2.5			
	hd						2							97	96	T			96			0.70	1.1	2.5			
	mf						3							145	144	T			144			1.00	1.1	2.5			
7	Iluminação - 07	F+N+T	B1	127 V		9								225	225	S		225		1.00	1.00	0.38	4.7	2.5	16.0	0.28	2.25
	mh					1								25	25	S		25				0.41	0.5	2.5			
	mi					1								25	25	S		25				0.41	0.5	2.5			
	mj					1								25	25	S		25				0.41	0.5	2.5			
	mk					1								25	25	S		25				0.41	0.5	2.5			
	mp					1								25	25	S		25				0.45	0.4	2.5			
	mq					1								25	25	S		25				0.45	0.4	2.5			
	mr					1								25	25	S		25				0.45	0.4	2.5			
	ms					1								25	25	S		25				0.45	0.4	2.5			
	mt					1								25	25	S		25				0.45	0.4	2.5			
8	Tomadas - 01	F+N+T	B1	127 V					2	1	2			1167	1050	T			1050	0.90	1.00	0.38	24.2	4	20.0	2.06	4.03
9	Tomadas - 02	F+N+T	B1	127 V					2	1				500	450	S		450		0.90	1.00	0.38	4.6	2.5	20.0	0.32	2.29
10	Tomadas - 03	F+N+T	B1	127 V					5	3				1389	1250	S		1250		0.90	1.00	0.65	15.6	2.5	20.0	1.27	3.24
11	Tomadas - 04	F+N+T	B1	127 V					4					444	400	T			400	0.90	1.00	0.38	6.9	2.5	20.0	0.32	2.29
12	Tomadas - 05	F+N+T	B1	127 V					4					444	400	T			400	0.90	1.00	0.38	9.2	2.5	20.0	0.43	2.40
13	Tomadas - 06	F+N+T	B1	127 V					10					1111	1000	S		1000		0.90	1.00	0.38	23.0	2.5	20.0	0.88	2.85
14	Tomadas - 07	F+N+T	B1	127 V					5	1				833	750	T			750	0.90	1.00	0.38	17.3	2.5	20.0	0.90	2.87
15	Tomadas - 08	F+N+T	B1	127 V					1		1	1		1111	1000	T			1000	0.90	1.00	0.38	23.0	2.5	20.0	1.51	3.47
16	Tomadas - 09	F+N+T	B1	127 V					3	3				1167	1050	S		1050		0.90	1.00	0.60	15.3	2.5	20.0	1.63	3.60
17	Tomadas - 10	F+N+T	B1	127 V					3	3				1167	1050	T			1050	0.90	1.00	0.60	15.3	2.5	20.0	1.99	3.96
18	Tomadas - 11	F+N+T	B1	127 V									1	1000	900	R	900			0.90	1.00	0.60	13.1	2.5	20.0	1.77	3.74
19	Tomadas - 12	F+N+T	B1	127 V									1	1000	900	R	900			0.90	1.00	0.60	13.1	2.5	20.0	1.46	3.42
20	Tomadas - 13	F+N+T	B1	127 V					2					222	200	S		200		0.90	1.00	0.60	2.9	2.5	20.0	0.45	2.42
21	Tomadas - 14	F+N+T	B1	127 V					9					1000	900	R	900			0.90	1.00	0.38	20.7	2.5	20.0	2.74	4.71
22	Tomadas - 15	F+N+T	B1	127 V					3					333	300	S		300		0.90	1.00	0.38	6.9	2.5	20.0	1.25	3.22
23	Tomadas - Ilum. Emergencia	F+N+T	B1	127 V				23						2300	690	R	690			0.30	1.00	0.38	41.4	4	20.0		1.97
24	Tomadas - Copa HD	F+N+T	B1	127 V					5					556	500	R	500			0.90	1.00	0.38	11.5	2.5	20.0	1.19	3.16
25	Tomadas - Copa HD	F+N+T	B1	127 V							1	1		1000	900	R	900			0.90	1.00	0.38	20.7	2.5	20.0	2.41	4.38
26	Tomadas - 16	F+N+T	B1	127 V					2					222	200	R	200			0.90	1.00	0.38	4.6	2.5	20.0	0.42	2.39
27	Iluminação - 08	F+N+T	B1	127 V			5							242	240	R	240			0.99	1.00	0.38	5.0	2.5	16.0	0.48	2.44
	gv						2							97	96	R	96					0.80	1.0	2.5			
	gw						1							48	48	R	48					1.00	0.4	2.5			
	mo						2							97	96	R	96					0.80	1.0	2.5			

Quadro de Cargas (QD6)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 850	1100	4550	5400	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	COND. AR SPLIT - ADM UTI	F+F+T	B1	220 V	1				944	850	R+T	425		425	0.90	1.00	1.00	4.3	4	16.0	0.15	3.05
2	COND. AR SPLIT - REPOUSO UTI MASC.	F+F+T	B1	220 V	1				944	850	S+T		425	425	0.90	1.00	0.41	10.5	4	16.0	0.57	3.48
3	COND. AR SPLIT - ISOLAMENTO UTI	F+F+T	B1	220 V	1				944	850	R+T	425		425	0.90	1.00	0.38	11.3	4	16.0	0.67	3.57
4	COND. AR SPLIT - UTI	3F+T	B1	220 V			1		5056	4550	R+S+T	1517	1517	1517	0.90	1.00	0.38	34.9	6	25.0	1.03	3.93
5	COND. AR SPLIT - UTI	3F+T	B1	220 V			1		5056	4550	R+S+T	1517	1517	1517	0.90	1.00	0.38	34.9	6	25.0	0.83	3.73
6	COND. AR SPLIT - UTI	3F+T	B1	220 V			1		5056	4550	R+S+T	1517	1517	1517	0.90	1.00	0.38	34.9	6	25.0	0.71	3.61
7	COND. AR SPLIT - COPA UTI	F+F+T	B1	220 V	1				944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.31	3.21
8	COND. AR SPLIT - REPOUSO UTI FEM.	F+F+T	B1	220 V		1			1222	1100	S+T		550	550	0.90	1.00	0.38	14.6	4	16.0	0.30	3.20
9	COND. AR SPLIT - NOBREAK	F+F+T	B1	220 V		1			1222	1100	R+T	550		550	0.90	1.00	0.38	14.6	4	16.0	0.48	3.38
10	COND. AR SPLIT - TRATAMENTO AGUA	F+F+T	B1	220 V		1			1222	1100	S+T		550	550	0.90	1.00	0.38	14.6	4	16.0	0.53	3.43
11	COND. AR SPLIT - ARMAZENA. CONCENTRADO	F+F+T	B1	220 V		1			1222	1100	R+T	550		550	0.90	1.00	0.38	14.6	4	16.0	0.71	3.61
12	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		2.90
13	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		2.90
14	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		2.90
15	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		2.90
16	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	R+S	2700	2700		1.00	1.00	0.41	59.9	6	32.0		2.90
17	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	R+S	2700	2700		1.00	1.00	0.41	59.9	6	32.0		2.90
18	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		2.90
19	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V				1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		2.90
TOTAL					4	4	3	8	67033	64650	R+S+T	22700	20000	21950								

Quadro de Cargas (QD7)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 100	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.41	4.9	2.5	16.0	0.21	1.37
2	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.41	4.9	2.5	16.0	0.21	1.37
3	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.41	4.9	2.5	16.0	0.26	1.42
4	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.41	4.9	2.5	16.0	0.31	1.47
5	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.41	4.9	2.5	16.0	0.45	1.61
TOTAL					20	2222	2000	S+T	0	1000	1000								

Quadro de Cargas (QD8)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 100	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.45	4.5	2.5	16.0	0.22	1.39
2	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.45	4.5	2.5	16.0	0.22	1.39
3	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.45	4.5	2.5	16.0	0.32	1.48
4	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.45	4.5	2.5	16.0	0.31	1.47
5	Tomadas - TUE's - 220V	F+F+T	B1	220 V	4	444	400	S+T		200	200	0.90	1.00	0.45	4.5	2.5	16.0	0.37	1.53
TOTAL					20	2222	2000	S+T	0	1000	1000								

Quadro de Cargas (QD9)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	25	48	Tomadas (W) 30	100	250	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	4	5	4				511	413	T			413	0.81	1.00	0.38	10.6	2.5	16.0	0.47	1.44
	ht				1						48	24	T			24			1.00	0.4	2.5			
	hu				1						48	24	T			24			1.00	0.4	2.5			
	hv				1						48	24	T			24			1.00	0.4	2.5			
	hw				1						48	24	T			24			1.00	0.4	2.5			
	hx						2				97	96	T			96			0.70	1.1	2.5			
	hy						2				97	96	T			96			0.57	1.3	2.5			
	mu					1					25	25	T			25			0.70	0.3	2.5			
	mv					1					25	25	T			25			0.70	0.3	2.5			
	mw					1					25	25	T			25			0.70	0.3	2.5			
	mx					1					25	25	T			25			0.70	0.3	2.5			
	my					1					25	25	T			25			0.57	0.3	2.5			
2	Iluminação - 02	F+N+T	B1	127 V		5	4				319	317	T			317	0.99	1.00	0.38	6.6	2.5	16.0	0.85	1.82
	hr						2				97	96	T			96			0.70	1.1	2.5			
	hs						2				97	96	T			96			0.65	1.2	2.5			
	mz					1					25	25	T			25			0.70	0.3	2.5			
	na					1					25	25	T			25			0.70	0.3	2.5			
	nb					1					25	25	T			25			0.70	0.3	2.5			
	nc					1					25	25	T			25			0.70	0.3	2.5			
	nd					1					25	25	T			25			0.65	0.3	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	1	2	17				922	890	S		890		0.97	1.00	0.38	18.1	2.5	16.0	1.23	2.19
	hz						2				97	96	S		96				0.65	1.2	2.5			
	ia						2				97	96	S		96				0.65	1.2	2.5			
	ib						2				97	96	S		96				0.70	1.1	2.5			
	ic						3				145	144	S		144				0.38	3.0	2.5			
	id						1				48	48	S		48				0.38	1.0	2.5			
	ie				1						48	24	S		24				0.80	0.5	2.5			
	lg						4				194	192	S		192				0.38	4.0	2.5			
	ne					1					25	25	S		25				0.65	0.3	2.5			
	nf					1					25	25	S		25				0.70	0.3	2.5			
	ng						2				97	96	S		96				1.00	0.8	2.5			
4	Tomadas - Enferm. 01	F+N+T	B1	127 V					8		889	800	T			800	0.90	1.00	0.38	18.4	2.5	20.0	1.53	2.49
5	Tomadas - Enferm. 02	F+N+T	B1	127 V					9		1000	900	S		900		0.90	1.00	0.38	20.7	2.5	20.0	0.81	1.77
6	Tomadas - Enferm. 03	F+N+T	B1	127 V					4		444	400	T			400	0.90	1.00	0.38	9.2	2.5	20.0	0.53	1.49
7	Tomadas - Enferm. - 220V	F+F+T	B1	220 V					5		556	500	S+T		250	250	0.90	1.00	0.38	6.6	2.5	16.0	0.21	1.18
8	Tomadas - Enferm. 04	F+N+T	B1	127 V					9		1000	900	T			900	0.90	1.00	0.38	20.7	2.5	20.0	2.70	3.66
9	Tomadas - Enferm. 05	F+N+T	B1	127 V					8		889	800	S		800		0.90	1.00	0.38	18.4	2.5	20.0	2.67	3.64
10	Tomadas - Enferm. 06	F+N+T	B1	127 V					4		444	400	S		400		0.90	1.00	0.38	9.2	2.5	20.0	1.38	2.35
11	Tomadas - Enferm. - 220V	F+F+T	B1	220 V					5		556	500	S+T		250	250	0.90	1.00	0.38	6.6	2.5	16.0	0.47	1.44
12	Tomadas - TUG's	F+N+T	B1	127 V					4		444	400	R	400			0.90	1.00	0.38	9.2	2.5	20.0	0.51	1.48
13	Tomadas - Enferm. 07	F+N+T	B1	127 V					10		1111	1000	R	1000			0.90	1.00	0.38	23.0	2.5	20.0	1.92	2.89
14	Tomadas - Enferm. - 220V	F+N+T	B1	127 V					2		222	200	T			200	0.90	1.00	0.38	4.6	2.5	20.0	0.39	1.36
15	Tomadas - TUG's	F+N+T	B1	127 V					3	1	611	550	R	550			0.90	1.00	0.38	12.7	2.5	20.0	1.59	2.56
16	Tomadas - TUG's	F+N+T	B1	127 V					3	3	1167	1050	R	1050			0.90	1.00	0.38	24.2	4	20.0	1.66	2.63
17	Tomadas - TUG's	F+N+T	B1	127 V					3		333	300	R	300			0.90	1.00	0.38	6.9	2.5	20.0	0.79	1.76
18	Tomadas - Ilum. emergencia	F+N+T	B1	127 V				8			800	240	R	240			0.30	1.00	0.38	16.6	2.5	20.0	1.18	2.15
TOTAL					5	12	25	8	77	4	12219	10560	R+S+T	3540	3490	3530								

Quadro de Cargas (QD10)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 850	1100	2000	3000	5400	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	COND. AR SPLIT - ENFERMARIA 13	F+F+T	B1	220 V				1		3333	3000	R+T	1500		1500	0.90	1.00	0.70	21.6	4	25.0	0.39	3.10
2	COND. AR SPLIT - ENFERMARIA 13	F+F+T	B1	220 V			1			2222	2000	R+T	1000		1000	0.90	1.00	0.70	14.4	4	20.0	0.71	3.43
3	COND. AR SPLIT - TRIAGEM INDÍGENA	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.49	3.21
4	COND. AR SPLIT - POSTO ENFERMAGEM 5	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.41	3.13
5	COND. AR SPLIT - ENFERMARIA 12	F+F+T	B1	220 V		1				1222	1100	R+T	550		550	0.90	1.00	0.38	14.6	4	16.0	0.51	3.22
6	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		2.71
7	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		2.71
8	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		2.71
TOTAL					2	1	1	1	3	24867	24000	R+S+T	8450	6250	9300								

Quadro de Cargas (QD11)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	48	Tomadas (W) 30	100	200	250	300	400	600	900	1000	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	8	7										723	528	T			528	0.73	1.00	0.38	15.0	2.5	16.0	0.52	2.57
	if				3											144	72	T			72			0.70	1.6	2.5			
	ig					1										48	48	T			48			0.80	0.5	2.5			
	ih					2										97	96	T			96			0.80	1.0	2.5			
	ii				1											48	24	T			24			1.00	0.4	2.5			
	ij				1											48	24	T			24			0.80	0.5	2.5			
	ik				1											48	24	T			24			0.80	0.5	2.5			
	il					1										48	48	T			48			0.45	0.8	2.5			
	im				1											48	24	T			24			0.80	0.5	2.5			
	in				1											48	24	T			24			0.80	0.5	2.5			
	io					2										97	96	T			96			0.60	1.3	2.5			
	ip					1										48	48	T			48			0.60	0.6	2.5			
2	Iluminação - 02	F+N+T	B1	127 V	6	8										676	528	S		528		0.78	1.00	0.38	14.0	2.5	16.0	0.79	2.84
	iq				1											48	24	S		24				0.80	0.5	2.5			
	ir					2										97	96	S		96				0.70	1.1	2.5			
	is				1											48	24	S		24				1.00	0.4	2.5			
	it				1											48	24	S		24				1.00	0.4	2.5			
	iu					3										145	144	S		144				0.70	1.6	2.5			
	iv				1											48	24	S		24				1.00	0.4	2.5			
	iw				1											48	24	S		24				1.00	0.4	2.5			
	kr				1											48	24	S		24				0.70	0.5	2.5			
	ks					3										145	144	S		144				0.65	1.8	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	3	12										726	648	T			648	0.89	1.00	0.38	15.0	2.5	16.0	1.55	3.60
	ix				1											48	24	T			24			1.00	0.4	2.5			
	iy					2										97	96	T			96			1.00	0.8	2.5			
	iz					2										97	96	T			96			0.65	1.2	2.5			
	ja					2										97	96	T			96			0.65	1.2	2.5			
	jb				1											48	24	T			24			1.00	0.4	2.5			
	jc					1										48	48	T			48			0.80	0.5	2.5			
	jd					2										97	96	T			96			0.70	1.1	2.5			
	jk				1											48	24	T			24			0.80	0.5	2.5			
	kt					1										48	48	T			48			0.70	0.5	2.5			
	ku					2										97	96	T			96			0.70	1.1	2.5			
4	Iluminação - 04	F+N+T	B1	127 V		9										436	432	S		432		0.99	1.00	0.38	9.0	2.5	16.0	1.53	3.59
	lh					1										48	48	S		48				0.38	1.0	2.5			
	li					8										388	384	S		384				0.80	3.8	2.5			
5	Tomadas - 01	F+N+T	B1	127 V				4								444	400	T			400	0.90	1.00	0.38	9.2	2.5	20.0	0.66	2.71
6	Tomadas - 02	F+N+T	B1	127 V				6			1					1000	900	S		900		0.90	1.00	0.38	20.7	2.5	20.0	0.91	2.97
7	Tomadas - 03	F+N+T	B1	127 V				5								556	500	T			500	0.90	1.00	0.38	11.5	2.5	20.0	0.26	2.31
8	Tomadas - 04	F+N+T	B1	127 V				5		1			1			1500	1350	T			1350	0.90	1.00	0.38	31.1	4	20.0	0.96	3.01
9	Tomadas - 05	F+N+T	B1	127 V				4			1	1				1222	1100	S		1100		0.90	1.00	0.38	25.3	4	20.0	0.88	2.94
10	Tomadas - 06	F+N+T	B1	127 V				4	1							667	600	T			600	0.90	1.00	0.38	13.8	2.5	20.0	0.98	3.03
11	Tomadas - 07	F+N+T	B1	127 V				3	1		1					889	800	S		800		0.90	1.00	0.38	18.4	2.5	20.0	1.44	3.49
12	Tomadas - TUE - costura - 220V	F+F+T	B1	220 V											1	1111	1000	S+T		500	500	0.90	1.00	0.38	13.3	2.5	16.0	0.73	2.78
13	Tomadas - 08	F+N+T	B1	127 V				5		1	1					1167	1050	R	1050			0.90	1.00	0.38	24.2	4	20.0	1.56	3.61
14	Tomadas - 09	F+N+T	B1	127 V				6			1					1000	900	S		900		0.90	1.00	0.38	20.7	2.5	20.0	2.42	4.48
15	Tomadas - 03	F+N+T	B1	127 V				3					1			1000	900	R	900			0.90	1.00	0.38	20.7	4	20.0	2.03	4.08
16	Tomadas - Ilum. emergencia	F+N+T	B1	127 V			14									1400	420	R	420			0.30	1.00	0.38	29.0	4	20.0	0.78	2.83
17	Tomadas - coifa / cocção	F+N+T	B1	127 V								1	1			1167	1000	R	1000			0.86	1.00	0.38	24.2	4	20.0	1.27	3.32
18	Tomadas - Impressora	F+N+T	B1	127 V										1		1000	900	R	900			0.90	1.00	0.38	20.7	4	20.0	2.05	4.11
19	Tomadas - Impressora	F+N+T	B1	127 V										1		1000	900	R	900			0.90	1.00	0.38	20.7	4	20.0	2.04	4.09
TOTAL					17	36	14	45	2	2	5	2	3	2	1	17684	14856	R+S+T	5170	5160	4526								

Quadro de Cargas (QD12)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 850	1100	2000	2180	5400	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	COND. AR SPLIT - REFEITORIO	F+F+T	B1	220 V				1		2422	2180	R+T	1090		1090	0.90	1.00	0.38	29.0	4	20.0	0.97	4.52
2	COND. AR SPLIT - DISTRIBUIÇÃO	F+F+T	B1	220 V			1			2222	2000	S+T		1000	1000	0.90	1.00	0.38	26.6	4	20.0	0.71	4.26
3	COND. AR SPLIT - RECEPÇÃO ALIMENTOS	F+F+T	B1	220 V			1			2222	2000	S+T		1000	1000	0.90	1.00	0.38	26.6	4	20.0	0.55	4.10
4	COND. AR SPLIT - ARSENAL CME	F+F+T	B1	220 V			1			2222	2000	R+T	1000		1000	0.90	1.00	0.38	26.6	4	20.0	1.25	4.80
5	COND. AR SPLIT - EST. QUIMICA	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.57	4.12
6	COND. AR SPLIT - PREPARO / ESTERIL.	F+F+T	B1	220 V			1			2222	2000	R+T	1000		1000	0.90	1.00	0.38	26.6	4	20.0	1.37	4.92
7	COND. AR SPLIT - UTILIDADES GERAL	F+F+T	B1	220 V		1				1222	1100	S+T		550	550	0.90	1.00	0.38	14.6	4	16.0	0.90	4.45
10	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.55
TOTAL					1	1	4	1	1	18878	17530	R+S+T	5790	5675	6065								

Quadro de Cargas (QD13)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	25	48	Tomadas (W) 30	100	250	400	900	1000	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	2		10							581	528	S		528		0.91	1.00	0.38	12.0	2.5	16.0	0.42	2.48
	je				1									48	24	S		24				0.80	0.5	2.5			
	jf						1							48	48	S		48				0.80	0.5	2.5			
	jg						2							97	96	S		96				0.60	1.3	2.5			
	jh				1									48	24	S		24				0.80	0.5	2.5			
	ji						1							48	48	S		48				0.80	0.5	2.5			
	jj						2							97	96	S		96				0.57	1.3	2.5			
	jl						1							48	48	S		48				0.80	0.5	2.5			
	jm						1							48	48	S		48				0.80	0.5	2.5			
	jn						2							97	96	S		96				0.80	1.0	2.5			
2	Iluminação - 02	F+N+T	B1	127 V			9							436	432	T			432	0.99	1.00	0.38	9.0	2.5	16.0	0.95	3.01
	jo						2							97	96	T			96			0.70	1.1	2.5			
	jp						3							145	144	T			144			0.70	1.6	2.5			
	jq						3							145	144	T			144			0.70	1.6	2.5			
	jr						1							48	48	T			48			0.70	0.5	2.5			
3	Iluminação - 03	F+N+T	B1	127 V			9							436	432	T			432	0.99	1.00	0.38	9.0	2.5	16.0	0.72	2.78
	jv						2							97	96	T			96			0.80	1.0	2.5			
	jw						2							97	96	T			96			0.70	1.1	2.5			
	jx						1							48	48	T			48			1.00	0.4	2.5			
	jy						2							97	96	T			96			0.65	1.2	2.5			
	jz						2							97	96	T			96			0.65	1.2	2.5			
4	Iluminação - 04	F+N+T	B1	127 V		4	5							342	340	S		340		0.99	1.00	0.38	7.1	2.5	16.0	0.42	2.48
	js						3							145	144	S		144				0.38	3.0	2.5			
	jt						2							97	96	S		96				0.41	1.9	2.5			
	lj					2								50	50	S		50				1.00	0.4	2.5			
	lk					2								50	50	S		50				1.00	0.4	2.5			
5	Tomadas - Ilum. emegencia	F+N+T	B1	127 V				14						1400	420	T			420	0.30	1.00	0.38	29.0	4	20.0	0.79	2.86
6	Tomadas - 01	F+N+T	B1	127 V					4					444	400	S		400		0.90	1.00	0.38	9.2	2.5	20.0	0.34	2.41
7	Tomadas - 02	F+N+T	B1	127 V					5	1				833	750	S		750		0.90	1.00	0.38	17.3	2.5	20.0	1.30	3.36
8	Tomadas - 03	F+N+T	B1	127 V							4			1778	1600	S		1600		0.90	1.00	0.38	36.8	6	20.0	1.58	3.64
9	Tomadas - 04	F+N+T	B1	127 V					2	1				500	450	T			450	0.90	1.00	0.38	10.4	2.5	20.0	0.77	2.83
10	Tomadas - 05	F+N+T	B1	127 V					7					778	700	T			700	0.90	1.00	0.38	16.1	2.5	20.0	1.27	3.34
11	Tomadas - TI	F+N+T	B1	127 V					3		3			1667	1500	T			1500	0.90	1.00	0.38	34.5	4	25.0		2.06
12	Tomadas - Rack 01	F+N+T	B1	127 V									1	1111	1000	T			1000	0.90	1.00	0.38	23.0	2.5	20.0	2.49	4.55
13	Tomadas - Rack 02	F+N+T	B1	127 V									1	1111	1000	R	1000			0.90	1.00	0.38	23.0	2.5	20.0	2.41	4.47
14	Tomadas - Rack 03	F+N+T	B1	127 V									1	1111	1000	R	1000			0.90	1.00	0.38	23.0	2.5	20.0	2.50	4.56
15	Tomadas - 06	F+N+T	B1	127 V					9					1000	900	R	900			0.90	1.00	0.38	20.7	2.5	20.0	2.31	4.37
16	Tomadas - 07	F+N+T	B1	127 V					1	1				389	350	S		350		0.90	1.00	0.38	8.1	2.5	20.0	1.00	3.06
17	Tomadas - Impressora	F+N+T	B1	127 V								1		1000	900	R	900			0.90	1.00	0.38	20.7	2.5	20.0	2.69	4.75
18	Iluminação - 05	F+N+T	B1	127 V			6							291	288	S		288		0.99	1.00	0.38	6.0	2.5	16.0	0.37	2.43
	ju						3							145	144	S		144				0.80	1.4	2.5			
	kv						2							97	96	S		96				0.80	1.0	2.5			
	nh						1							48	48	S		48				0.80	0.5	2.5			
19	Tomadas - 08	F+N+T	B1	127 V					2					222	200	S		200		0.90	1.00	0.38	4.6	2.5	20.0	0.34	2.40
TOTAL					2	4	39	14	33	3	7	1	3	15431	13190	R+S+T	3800	4456	4934								

Quadro de Cargas (QD14)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 850	1100	1650	2000	5400	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	COND. AR SPLIT - FARMACIA	F+F+T	B1	220 V				1		2222	2000	R+T	1000		1000	0.90	1.00	0.38	26.6	4	20.0	0.97	4.96
2	COND. AR SPLIT - FARMACIA	F+F+T	B1	220 V				1		2222	2000	R+S	1000	1000		0.90	1.00	0.38	26.6	4	20.0	1.16	5.15
3	COND. AR SPLIT - RH	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.14	4.13
4	COND. AR SPLIT - SERVIDOR	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.15	4.15
5	COND. AR SPLIT - TI	F+F+T	B1	220 V		1				1222	1100	R+T	550		550	0.90	1.00	0.38	14.6	4	16.0	0.22	4.21
6	COND. AR SPLIT - MORGUE	F+F+T	B1	220 V				1		2222	2000	S+T		1000	1000	0.90	1.00	0.38	26.6	4	20.0	1.09	5.08
7	COND. AR SPLIT - CONTROLE FUNCIONARIOS	F+F+T	B1	220 V	1					944	850	R+T	425		425	0.90	1.00	0.38	11.3	4	16.0	0.46	4.45
8	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		3.99
9	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		3.99
10	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		3.99
11	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		3.99
12	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.99
13	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.99
14	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.99
15	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		3.99
16	COND. AR SPLIT - AMBIENTE ECUMÊNICO	F+F+T	B1	220 V			1			1833	1650	R+T	825		825	0.90	1.00	0.38	21.9	4	20.0	0.58	4.57
TOTAL					3	1	1	3	8	55756	54500	R+S+T	17300	19050	18150								

Quadro de Cargas (QD15)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	25	48	Tomadas (W) 100	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	2	8	6		587	536	T			536	0.91	1.00	0.38	12.2	2.5	16.0	0.76	2.68
	ay				1				48	24	T			24			1.00	0.4	2.5			
	az				1				48	24	T			24			1.00	0.4	2.5			
	kw						2		97	96	T			96			0.65	1.2	2.5			
	kx						2		97	96	T			96			0.65	1.2	2.5			
	ky						2		97	96	T			96			0.65	1.2	2.5			
	nn					1			25	25	T			25			0.80	0.2	2.5			
	no					1			25	25	T			25			0.70	0.3	2.5			
	np					1			25	25	T			25			0.70	0.3	2.5			
	nq					1			25	25	T			25			0.70	0.3	2.5			
	nr					1			25	25	T			25			0.70	0.3	2.5			
	ns					1			25	25	T			25			0.70	0.3	2.5			
	nt					1			25	25	T			25			0.70	0.3	2.5			
	nu					1			25	25	T			25			0.70	0.3	2.5			
2	Iluminação - 02	F+N+T	B1	127 V	2	3	4		365	315	T			315	0.86	1.00	0.38	7.6	2.5	16.0	0.40	2.33
	a				1				48	24	T			24			0.80	0.5	2.5			
	d				1				48	24	T			24			0.80	0.5	2.5			
	e						2		97	96	T			96			0.65	1.2	2.5			
	f						2		97	96	T			96			0.65	1.2	2.5			
	nv					1			25	25	T			25			0.65	0.3	2.5			
	nw					1			25	25	T			25			0.65	0.3	2.5			
	nx					1			25	25	T			25			0.65	0.3	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	1	5	4		367	341	T			341	0.93	1.00	0.38	7.6	2.5	16.0	0.91	2.83
	bg						2		97	96	T			96			0.80	1.0	2.5			
	bh						2		97	96	T			96			0.65	1.2	2.5			
	lu				1				48	24	T			24			1.00	0.4	2.5			
	ny					1			25	25	T			25			0.70	0.3	2.5			
	nz					1			25	25	T			25			0.65	0.3	2.5			
	oa					1			25	25	T			25			0.70	0.3	2.5			
	ob					1			25	25	T			25			0.70	0.3	2.5			
	oc					1			25	25	T			25			0.70	0.3	2.5			
4	Tomadas - 01	F+N+T	B1	127 V				7	778	700	S		700		0.90	1.00	0.38	16.1	2.5	20.0	1.66	3.59
5	Tomadas - 02	F+N+T	B1	127 V				9	1000	900	T			900	0.90	1.00	0.38	20.7	2.5	20.0	1.80	3.72
6	Tomadas - 03	F+N+T	B1	127 V				7	778	700	S		700		0.90	1.00	0.38	16.1	2.5	20.0	1.36	3.29
7	Tomadas - 04	F+N+T	B1	127 V				9	1000	900	T			900	0.90	1.00	0.38	20.7	2.5	20.0	1.44	3.36
8	Tomadas - 05	F+N+T	B1	127 V				7	778	700	S		700		0.90	1.00	0.38	16.1	2.5	20.0	0.89	2.82
9	Tomadas - 06	F+N+T	B1	127 V				6	667	600	R	600			0.90	1.00	0.38	13.8	2.5	20.0	0.71	2.64
10	Tomadas - TUE's - 220V	F+F+T	B1	220 V				3	333	300	S+T		150	150	0.90	1.00	0.38	4.0	2.5	16.0	0.13	2.06
11	Tomadas - TUE's - 220V	F+F+T	B1	220 V				8	889	800	R+S	400	400		0.90	1.00	0.38	10.6	2.5	16.0	0.36	2.29
12	Tomadas - TUE's - 220V	F+F+T	B1	220 V				5	556	500	R+S	250	250		0.90	1.00	0.38	6.6	2.5	16.0	0.39	2.32
13	Tomadas - 07	F+N+T	B1	127 V				12	1333	1200	R	1200			0.90	1.00	0.38	27.6	4	20.0	1.82	3.75
14	Tomadas - 08	F+N+T	B1	127 V				8	889	800	R	800			0.90	1.00	0.38	18.4	2.5	20.0	2.12	4.05
TOTAL					5	16	14	81	10319	9292	R+S+T	3250	2900	3142								

Quadro de Cargas (QD16)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 25	48	Tomadas (W) 30	100	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	8	8			588	584	T			584	0.99	1.00	0.38	12.2	2.5	16.0	0.38	2.53
	aa					2			97	96	T			96			0.57	1.3	2.5			
	od				1				25	25	T			25			0.65	0.3	2.5			
	oe				1				25	25	T			25			0.65	0.3	2.5			
	of				1				25	25	T			25			0.70	0.3	2.5			
	og				1				25	25	T			25			0.70	0.3	2.5			
	oh				1				25	25	T			25			0.70	0.3	2.5			
	oi				1				25	25	T			25			0.57	0.3	2.5			
	oj				1				25	25	T			25			0.70	0.3	2.5			
	ok				1				25	25	T			25			0.70	0.3	2.5			
	x					2			97	96	T			96			0.65	1.2	2.5			
	y					2			97	96	T			96			0.65	1.2	2.5			
	z					2			97	96	T			96			0.70	1.1	2.5			
2	Iluminação - 02	F+N+T	B1	127 V	5	4			319	317	T			317	0.99	1.00	0.38	6.6	2.5	16.0	0.41	2.55
	bn					2			97	96	T			96			0.65	1.2	2.5			
	bo					2			97	96	T			96			0.65	1.2	2.5			
	ol				1				25	25	T			25			0.65	0.3	2.5			
	om				1				25	25	T			25			0.65	0.3	2.5			
	on				1				25	25	T			25			0.65	0.3	2.5			
	oo				1				25	25	T			25			0.70	0.3	2.5			
	op				1				25	25	T			25			0.70	0.3	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	6	4			344	342	T			342	0.99	1.00	0.38	7.1	2.5	16.0	0.66	2.81
	bt					2			97	96	T			96			0.70	1.1	2.5			
	bu					2			97	96	T			96			0.70	1.1	2.5			
	oq				1				25	25	T			25			0.65	0.3	2.5			
	or				1				25	25	T			25			0.65	0.3	2.5			
	os				1				25	25	T			25			0.70	0.3	2.5			
	ot				1				25	25	T			25			0.65	0.3	2.5			
	ou				1				25	25	T			25			0.65	0.3	2.5			
	ov				1				25	25	T			25			0.70	0.3	2.5			
4	Tomadas - 01	F+N+T	B1	127 V				9	1000	900	S		900		0.90	1.00	0.38	20.7	2.5	20.0	0.97	3.12
5	Tomadas - 02	F+N+T	B1	127 V				8	889	800	T			800	0.90	1.00	0.38	18.4	2.5	20.0	0.68	2.83
6	Tomadas - TUE's - 220V	F+F+T	B1	220 V				4	444	400	S+T		200	200	0.90	1.00	0.38	5.3	2.5	16.0	0.11	2.25
7	Tomadas - 03	F+N+T	B1	127 V				9	1000	900	S		900		0.90	1.00	0.38	20.7	2.5	20.0	0.80	2.95
8	Tomadas - 04	F+N+T	B1	127 V				8	889	800	T			800	0.90	1.00	0.38	18.4	2.5	20.0	0.96	3.11
9	Tomadas - TUE's - 220V	F+F+T	B1	220 V				4	444	400	S+T		200	200	0.90	1.00	0.38	5.3	2.5	16.0	0.12	2.27
10	Tomadas - 05	F+N+T	B1	127 V				10	1111	1000	R	1000			0.90	1.00	0.38	23.0	2.5	20.0	1.04	3.18
11	Tomadas - 06	F+N+T	B1	127 V				7	778	700	S		700		0.90	1.00	0.38	16.1	2.5	20.0	0.90	3.05
12	Tomadas - TUE's - 220V	F+F+T	B1	220 V				5	556	500	S+T		250	250	0.90	1.00	0.38	6.6	2.5	16.0	0.16	2.30
13	Tomadas - 07	F+N+T	B1	127 V				4	444	400	R	400			0.90	1.00	0.38	9.2	2.5	20.0	0.85	2.99
14	Tomadas - 08	F+N+T	B1	127 V				7	778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	1.56	3.71
15	Tomadas - TUE's - 220V	F+F+T	B1	220 V				3	333	300	S+T		150	150	0.90	1.00	0.38	4.0	2.5	16.0	0.22	2.37
16	Tomadas - 09	F+N+T	B1	127 V				4	444	400	R	400			0.90	1.00	0.38	9.2	2.5	20.0	1.00	3.14
17	Tomadas - 10	F+N+T	B1	127 V				7	778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	1.83	3.97
18	Tomadas - TUE's - 220V	F+F+T	B1	220 V				3	333	300	R+S	150	150		0.90	1.00	0.38	4.0	2.5	16.0	0.26	2.41
19	Tomadas - Ilum. emergencia	F+N+T	B1	127 V			5		500	150	R	150			0.30	1.00	0.38	10.4	2.5	20.0	0.45	2.60
TOTAL					19	16	5	92	11973	10593	R+S+T	3500	3450	3643								

Quadro de Cargas (QD17)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Tomadas (W) 850	1100	1650	2000	5400	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	COND. AR SPLIT - ISOLAMENTO	F+F+T	B1	220 V	1					944	850	R+T	425		425	0.90	1.00	0.38	11.3	4	16.0	0.39	3.94
2	COND. AR SPLIT - ENFERMARIA 08	F+F+T	B1	220 V				1		2222	2000	S+T		1000	1000	0.90	1.00	0.38	26.6	4	20.0	0.49	4.03
3	COND. AR SPLIT - ENFERMARIA 07	F+F+T	B1	220 V				1		2222	2000	R+T	1000		1000	0.90	1.00	0.38	26.6	4	20.0	0.44	3.99
4	COND. AR SPLIT - ALOJAMENTO CONJ. 02	F+F+T	B1	220 V		1				1222	1100	R+T	550		550	0.90	1.00	0.38	14.6	4	16.0	0.45	4.00
5	COND. AR SPLIT - ALOJAMENTO CONJ. 01	F+F+T	B1	220 V		1				1222	1100	R+T	550		550	0.90	1.00	0.38	14.6	4	16.0	0.54	4.09
6	COND. AR SPLIT - UTILIDADES 02	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	16.0	0.56	4.11
7	COND. AR SPLIT - ENFERMARIA 04	F+F+T	B1	220 V			1			1833	1650	S+T		825	825	0.90	1.00	0.38	21.9	4	20.0	0.89	4.43
8	COND. AR SPLIT - ENFERMARIA 05	F+F+T	B1	220 V			1			1833	1650	R+T	825		825	0.90	1.00	0.38	21.9	4	20.0	0.87	4.42
9	COND. AR SPLIT - ENFERMARIA 06	F+F+T	B1	220 V				1		2222	2000	S+T		1000	1000	0.90	1.00	0.38	26.6	4	20.0	0.81	4.35
10	COND. AR SPLIT - EXAME / CURATIVOS	F+F+T	B1	220 V	1					944	850	S+T		425	425	0.90	1.00	0.38	11.3	4	20.0	0.24	3.79
11	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		3.55
12	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		3.55
13	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+T	2700		2700	1.00	1.00	0.38	64.6	6	32.0		3.55
14	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		3.55
15	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.55
16	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.55
17	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.55
18	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.55
19	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	R+S	2700	2700		1.00	1.00	0.38	64.6	6	32.0		3.55
20	CHUVEIRO ELÉTRICO	F+F+T	B1	220 V					1	5400	5400	S+T		2700	2700	1.00	1.00	0.38	64.6	6	32.0		3.55
TOTAL					3	2	2	3	10	69611	68050	R+S+T	22250	25275	20525								

Quadro de Cargas (QD18)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	48	Tomadas (W) 30	100	250	600	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V	5	7					579	456	T			456	0.79	1.00	0.41	11.1	2.5	16.0	0.33	1.79
	ab					2					97	96	T			96			0.80	1.0	2.5			
	ac					2					97	96	T			96			0.80	1.0	2.5			
	ad				1						48	24	T			24			1.00	0.4	2.5			
	lo					1					48	48	T			48			1.00	0.4	2.5			
	lp					2					97	96	T			96			0.52	1.5	2.5			
	t				1						48	24	T			24			1.00	0.4	2.5			
	u				1						48	24	T			24			1.00	0.4	2.5			
	v				1						48	24	T			24			1.00	0.4	2.5			
	w				1						48	24	T			24			1.00	0.4	2.5			
2	Iluminação - 02	F+N+T	B1	127 V	2	7					435	384	S		384		0.88	1.00	0.41	8.4	2.5	16.0	0.73	2.19
	bp					1					48	48	S		48				0.80	0.5	2.5			
	bq					1					48	48	S		48				0.80	0.5	2.5			
	br				1						48	24	S		24				1.00	0.4	2.5			
	bs				1						48	24	S		24				1.00	0.4	2.5			
	ox					5					242	240	S		240				0.41	4.7	2.5			
3	Iluminação - 03	F+N+T	B1	127 V	3	6					435	360	T			360	0.83	1.00	0.41	8.4	2.5	16.0	0.72	2.18
	bv				1						48	24	T			24			0.80	0.5	2.5			
	bw				1						48	24	T			24			1.00	0.4	2.5			
	bx				1						48	24	T			24			1.00	0.4	2.5			
	by					1					48	48	T			48			0.80	0.5	2.5			
	ls					2					97	96	T			96			1.00	0.8	2.5			
	lt					3					145	144	T			144			1.00	1.1	2.5			
4	Tomadas - 01	F+N+T	B1	127 V				6			667	600	S		600		0.90	1.00	0.41	12.8	2.5	20.0	0.64	2.11
5	Tomadas - 02	F+N+T	B1	127 V				4			444	400	T			400	0.90	1.00	0.41	8.5	2.5	20.0	0.26	1.73
6	Tomadas - 03	F+N+T	B1	127 V				7			778	700	S		700		0.90	1.00	0.41	14.9	2.5	20.0	0.80	2.26
7	Tomadas - 04	F+N+T	B1	127 V				7			778	700	T			700	0.90	1.00	0.41	14.9	2.5	20.0	0.91	2.38
8	Tomadas - berçario	F+N+T	B1	127 V				1		1	778	700	S		700		0.90	1.00	0.41	14.9	2.5	20.0	0.87	2.34
9	Tomadas - berçario	F+N+T	B1	127 V				1		1	778	700	T			700	0.90	1.00	0.41	14.9	2.5	20.0	0.74	2.21
10	Tomadas - berçario	F+N+T	B1	127 V				1		1	778	700	R	700			0.90	1.00	0.41	14.9	2.5	20.0	0.86	2.32
11	Tomadas - berçario	F+N+T	B1	127 V				1		1	778	700	R	700			0.90	1.00	0.41	14.9	2.5	20.0	0.99	2.45
12	Tomadas - TUE's - 220V	F+F+T	B1	220 V				4			444	400	S+T		200	200	0.90	1.00	0.41	4.9	2.5	16.0	0.10	1.57
13	Tomadas - 05	F+N+T	B1	127 V				2	2		778	700	R	700			0.90	1.00	0.41	14.9	2.5	20.0	1.05	2.51
14	Tomadas - 06	F+N+T	B1	127 V				3			333	300	S		300		0.90	1.00	0.41	6.4	2.5	20.0	0.43	1.90
15	Tomadas - 07	F+N+T	B1	127 V				5			556	500	R	500			0.90	1.00	0.41	10.7	2.5	20.0	0.60	2.06
16	Tomadas - Ilum. emergencia	F+N+T	B1	127 V			7				700	210	R	210			0.30	1.00	0.41	13.4	2.5	20.0	0.38	1.85
TOTAL					10	20	7	42	2	4	10039	8510	R+S+T	2810	2884	2816								

Quadro de Cargas (QD19)

Circuito	Descrição	Esquema	Método de inst.	V (V)	Iluminação (W) 24	25	48	Tomadas (W) 30	100	300	400	600	1000	Pot. total. (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FP	FCT	FCA	In' (A)	Seção (mm2)	Disj (A)	dV parc (%)	dV total (%)
1	Iluminação - 01	F+N+T	B1	127 V			11							533	528	T			528	0.99	1.00	0.38	11.1	2.5	16.0	0.64	3.67
	ae						1							48	48	T			48			1.00	0.4	2.5			
	af						1							48	48	T			48			1.00	0.4	2.5			
	ag						1							48	48	T			48			1.00	0.4	2.5			
	ah						1							48	48	T			48			1.00	0.4	2.5			
	ai						2							97	96	T			96			0.70	1.1	2.5			
	aj						2							97	96	T			96			0.70	1.1	2.5			
	ak						1							48	48	T			48			0.80	0.5	2.5			
	al						2							97	96	T			96			0.80	1.0	2.5			
2	Iluminação - 02	F+N+T	B1	127 V			12							582	576	S		576		0.99	1.00	0.38	12.1	2.5	16.0	0.63	3.66
	am						2							97	96	S		96				0.65	1.2	2.5			
	an						2							97	96	S		96				0.65	1.2	2.5			
	ao						2							97	96	S		96				0.65	1.2	2.5			
	ap						2							97	96	S		96				0.65	1.2	2.5			
	aq						2							97	96	S		96				0.65	1.2	2.5			
	ln						2							97	96	S		96				0.65	1.2	2.5			
3	Iluminação - 03	F+N+T	B1	127 V			9							436	432	T			432	0.99	1.00	0.38	9.0	2.5	16.0	0.74	3.77
	lq						2							97	96	T			96			1.00	0.8	2.5			
	nl						3							145	144	T			144			0.38	3.0	2.5			
	nm						4							194	192	T			192			0.38	4.0	2.5			
4	Iluminação - 04	F+N+T	B1	127 V	7		7							675	504	S		504		0.75	1.00	0.38	14.0	2.5	16.0	0.85	3.88
	bz						2							97	96	S		96				0.70	1.1	2.5			
	ca						2							97	96	S		96				0.80	1.0	2.5			
	cb				2									96	48	S		48				0.70	1.1	2.5			
	cc				1									48	24	S		24				1.00	0.4	2.5			
	cd				1									48	24	S		24				1.00	0.4	2.5			
	ce						1							48	48	S		48				0.80	0.5	2.5			
	cf						1							48	48	S		48				1.00	0.4	2.5			
	cg				1									48	24	S		24				1.00	0.4	2.5			
	ch				1									48	24	S		24				1.00	0.4	2.5			
	ci				1		1							96	72	S		72				0.70	1.1	2.5			
5	Iluminação - 05	F+N+T	B1	127 V		5	14							804	797	T			797	0.99	1.00	0.38	16.7	2.5	16.0	0.79	3.82
	cj						2							97	96	T			96			0.70	1.1	2.5			
	ck						1							48	48	T			48			1.00	0.4	2.5			
	cl						1							48	48	T			48			1.00	0.4	2.5			
	cm						2							97	96	T			96			0.80	1.0	2.5			
	cn						2							97	96	T			96			0.80	1.0	2.5			
	co						2							97	96	T			96			0.80	1.0	2.5			
	cp						2							97	96	T			96			0.70	1.1	2.5			
	cq						2							97	96	T			96			0.70	1.1	2.5			
	oy					1								25	25	T			25			1.00	0.2	2.5			
	oz					1								25	25	T			25			0.50	0.4	2.5			
	pa					1								25	25	T			25			0.50	0.4	2.5			
	pb					1								25	25	T			25			0.70	0.3	2.5			
	pc					1								25	25	T			25			0.70	0.3	2.5			
6	Tomadas - 01	F+N+T	B1	127 V					2	1		1		1222	1100	S		1100		0.90	1.00	0.38	25.3	4	20.0	1.34	4.37
7	Tomadas - 02	F+N+T	B1	127 V					4		1			889	800	T			800	0.90	1.00	0.38	18.4	2.5	20.0	1.62	4.65
8	Tomadas - 03	F+N+T	B1	127 V					4			1		1111	1000	S		1000		0.90	1.00	0.38	23.0	2.5	20.0	1.51	4.54
9	Tomadas - 04	F+N+T	B1	127 V					3					333	300	T			300	0.90	1.00	0.38	6.9	2.5	20.0	0.39	3.42
10	Tomadas - 05	F+N+T	B1	127 V					2	1	1			1000	900	T			900	0.90	1.00	0.38	13.8	2.5	20.0	0.77	3.80
11	Tomadas - 06	F+N+T	B1	127 V							1	1		1111	1000	S		1000		0.90	1.00	0.38	23.0	2.5	20.0	1.33	4.36
12	Tomadas - Vent. Pulmonar	F+N+T	B1	127 V									1	1111	1000	T			1000	0.90	1.00	0.38	23.0	2.5	20.0	1.65	4.68
13	Tomadas - cadeira	F+N+T	B1	127 V					2					222	200	S		200		0.90	1.00	0.38	4.6	2.5	20.0	0.31	3.34
14	Tomadas - 07	F+N+T	B1	127 V					2	1	1			1000	900	S		900		0.90	1.00	0.38	20.7	2.5	20.0	1.27	4.30
15	Tomadas - 08	F+N+T	B1	127 V							1	1		1111	1000	T			1000	0.90	1.00	0.38	23.0	2.5	20.0	1.47	4.50
16	Tomadas - Vent. Pulmonar	F+N+T	B1	127 V									1	1111	1000	S		1000		0.90	1.00	0.38	23.0	2.5	20.0	1.62	4.65
17	Tomadas - cadeira	F+N+T	B1	127 V					2					222	200	T			200	0.90	1.00	0.38	4.6	2.5	20.0	0.37	3.40
18	Tomadas - cadeira	F+N+T	B1	127 V					2					222	200	T			200	0.90	1.00	0.38	4.6	2.5	20.0	0.49	3.52
19	Tomadas - 09	F+N+T	B1	127 V					2	1	1			1000	900	T			900	0.90	1.00	0.38	20.7	2.5	20.0	1.79	4.83
20	Tomadas - 10	F+N+T	B1	127 V							1	1		1111	1000	S		1000		0.90	1.00	0.38	23.0	2.5	20.0	2.06	5.09
21	Tomadas - Vent. Pulmonar	F+N+T	B1	127 V									1	1111	1000	T			1000	0.90	1.00	0.38	23.0	2.5	20.0	2.20	5.23
22	Tomadas - berçario	F+N+T	B1	127 V					1			1		778	700	S		700		0.90	1.00	0.38	16.1	2.5	20.0	1.55	4.58
23	Tomadas - berçario	F+N+T	B1	127 V					1			1		778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	1.63	4.66
24	Tomadas - berçario	F+N+T	B1	127 V					1			1		778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	1.71	4.74
25	Tomadas - berçario	F+N+T	B1	127 V					1			1		778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	1.79	4.82
26	Tomadas - 10	F+N+T	B1	127 V					7					778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	1.74	4.77
27	Tomadas - 11	F+N+T	B1	127 V					4					444	400	S		400		0.90	1.00	0.38	9.2	2.5	20.0	0.53	3.56
28	Tomadas - 12	F+N+T	B1	127 V					3	2				1000	900	R	900			0.90	1.00	0.38	20.7	2.5	20.0	1.05	4.09
29	Tomadas - 13	F+N+T	B1	127 V					3	1				667	600	R	600			0.90	1.00	0.38	13.8	2.5	20.0	0.57	3.60
30	Tomadas - cadeira	F+N+T	B1	127 V					2					222	200	R	200			0.90	1.00	0.38	4.6	2.5	20.0	0.51	3.54
31	Tomadas - Vent. Pulmonar	F+N+T	B1	127 V									1	1111	1000	R	1000			0.90	1.00	0.38	23.0	2.5	20.0	2.40	5.43
32	Tomadas - 16	F+N+T	B1	127 V							1	1		1111	1000	R	1000			0.90	1.00	0.38	23.0	2.5	20.0	2.23	5.26
33	Tomadas - 17	F+N+T	B1	127 V						1	1			778	700	R	700			0.90	1.00	0.38	16.1	2.5	20.0	1.53	4.56
34	Tomadas - Ilum. emergencia	F+N+T	B1	127 V				14						1400	420	R	420			0.30	1.00	0.38	29.0	4	20.0	0.50	3.53
TOTAL					7	5	53	14	48	8	9	10	4	27542	24057	R+S+T	7620	8380	8057								

Quadro de Demanda (QD21)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG´s (Clínicas e hospitais)	22.05	40	8.82
		TOTAL	8.82

Quadro de Demanda (QD22)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Condicionador de Ar tipo janela e Split	25.67	100	25.67
		TOTAL	25.67

Quadro de Demanda (QD23)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG´s (Clínicas e hospitais)	5.34	40	2.14
		TOTAL	2.14

Quadro de Demanda (QD24)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Chuveiros, ferros elétricos, aquecedores de água (não residencial)	16.20	84	13.61
Condicionador de Ar tipo janela e Split	13.61	100	13.61
		TOTAL	27.22

Quadro de Demanda (QD25)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG´s (Clínicas e hospitais)	25.07	40	10.03
		TOTAL	10.03

Quadro de Demanda (QD26)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Chuveiros, ferros elétricos, aquecedores de água (não residencial)	21.60	76	16.42
Condicionador de Ar tipo janela e Split	11.81	100	11.81
		TOTAL	28.23

Quadro de Demanda (QD27)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG´s (Clínicas e hospitais)	13.47	40	5.39
		TOTAL	5.39

Quadro de Demanda (QD28)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Chuveiros, ferros elétricos, aquecedores de água (não residencial)	5.40	100	5.40
Condicionador de Ar tipo janela e Split	12.11	100	12.11
		TOTAL	17.51

Quadro de Demanda (QD29)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Chuveiros, ferros elétricos, aquecedores de água (não residencial)	27.00	70	18.90
Condicionador de Ar tipo janela e Split	18.67	100	18.67
		TOTAL	37.57

Quadro de Demanda (QD30)

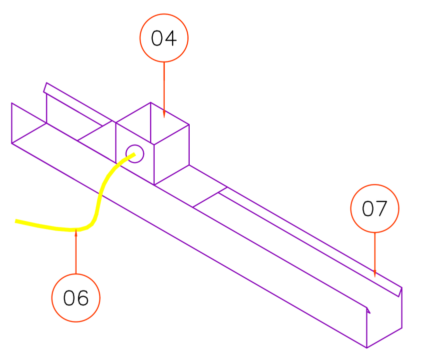
Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG´s (Clínicas e hospitais)	50.00	40	20.00
	40.91	20	8.18
		TOTAL	28.18

Quadro de Demanda (QD31)

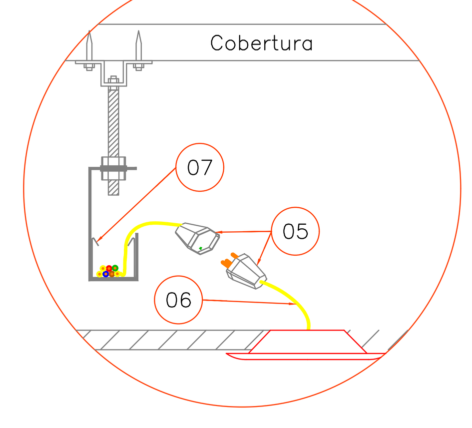
Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Motores	92.23	75	69.17
		TOTAL	69.17

Quadro de Demanda (QD32)

Tipo de carga	Potência instalada (kVA)	Fator de demanda (%)	Demanda (kVA)
Iluminação e TUG´s (Clínicas e hospitais)	14.36	40	5.75
		TOTAL	5.75



Todas as caixas de passagem que tiverem rabichos para lâmpada deverão ter conectores prensa cabo



CARIMBO DO CAU / CREA: | CARIMBO DA PREFEITURA:

ASSOCIAÇÃO MATO-GROSSENSE DOS MUNICÍPIOS
COORDENAÇÃO DE PROJETOS

SITE: www.amm.org.br
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ADM. NEURILAN FRAGA

TIPO DE OBRA:	HOSPITALAR	**MODALIDADE:**	REFORMA/AMPLIAÇÃO
OBRA:	REFORMA E AMPLIAÇÃO DO HOSPITAL REGIONAL DE ÁGUA BOA		
PROPRIETÁRIO/ CNPJ:	CONSORCIO INTERMUNICIPAL E SAÚDE DO MEDIO ARAGUAIA - MT CNPJ: 02.427.361.0001-44		
ENDEREÇO:	RUA 16, 550, CENTRO II - ÁGUA BOA - MT		
AUTOR DO PROJETO: CREA/CAU	FÁBIO LOPES DE ARAÚJO ENGENHEIRO ELETRICISTA CREA: 1200573099		
RESPONSÁVEL TÉCNICO P/ OBRA:			

Gestão 2021-2023

Associação Mato-grossense dos Municípios
A FORÇA VEM DOS MUNICÍPIOS

PROJETO ELÉTRICO DE BAIXA TENSÃO

ASSUNTO:
INSTALAÇÕES ELÉTRICAS DE BAIXA TENSÃO - 220/127V

DATA DE ENTREGA: 16/04/2023	**COORDENADAS GEOGRÁFICAS:** CONFORME PROJETO ARQUITETÔNICO	**QUADRO DE ÁREAS**	**ELE**
REVISÃO: 1ª - 02/05/2023	**ÍNDICES URBANISTICOS** CONFORME PROJETO ARQUITETÔNICO	CONFORME PROJETO ARQUITETÔNICO	FOLHA Nº 07/08
ESCALA: INDICADA			
ART: 000000000000-00	**DESENHO:** fabiolopesaraujo		