

COR PENA COR
1 0.13
2 0.20
3 0.30
4 0.25
5 0.30
6 0.50
7 0.20
8 0.10
9 0.10
250 0.13
251 0.10

H

G

F

E

D

C

B

A

Quadro de Cargas

QGBT																																		
Circ.	Descrição	Iluminação		Tomadas		Qd.Distr.																Pot. W	Fat. Pot.	Pot. V.A	Fase R	Fase S	Fase T	Demanda (%)	Fases R S T	Tensão V	Corr. A	Prot. A	Cond. mm2	Q.T. (%)
		10W	24W	100VA	10000W	3075.3W	3106W	3725.04W	3990W	4048W	4976W	5874W	8655.42W	9846W	11657W	13440.6W	30397.6W	45000W	48000W	60000W														
1	Iluminação	2	1																		44.0	0.90	48.9	0.0	48.9	0.0	100%	S	127	0.38	1P-10A	2.5	0.04	
2	Tomadas Subestação			1												1					80.0	0.80	100.0	0.0	100.0	0.0	100%	S	127	0.79	1P-20A	2.5	0.02	
3	Elevador				1																10000.0	0.80	12500.0	4166.7	4166.7	4166.7	100%	RST	220	32.89	3P-40A	10	0.67	
QDF1	Quadro: QDF1																				13440.6	0.90	14934.0	4978.0	4978.0	4978.0	120%	RST	220	47.16	3P-63	16	0.27	
QDF2	Quadro: QDF2					1															3075.3	0.90	3417.0	1139.0	1139.0	1139.0	120%	RST	220	10.79	3P-32	6	0.3	
QDF3	Quadro: QDF3												1								9846.0	0.90	10940.0	3646.7	3646.7	3646.7	120%	RST	220	34.55	3P-40	10	0.63	
QDF4	Quadro: QDF4 - Casa de Bomba											1									8855.4	0.70	12650.6	4216.9	4216.9	4216.9	100%	RST	220	33.29	3P-40	10	1.01	
QDF5	Quadro: QDF5																1				30397.6	0.91	33501.5	11167.2	11167.2	11167.2	120%	RST	220	105.79	3P-125	50	0	
QDF6	Quadro: QDF6																		1		48000.0	0.88	54394.0	18131.3	18131.3	18131.3	120%	RST	220	171.77	3P-200	95	0	
QDF7	Quadro: QDF7																		1		45000.0	0.90	50000.0	16666.7	16666.7	16666.7	120%	RST	220	157.89	3P-200	95	0.05	
QDF8	Quadro: QDF8																			1	60000.0	0.88	68260.2	22753.4	22753.4	22753.4	120%	RST	220	215.56	3P-225	120	0	
QDL1	Quadro: QDL1										1										4976.0	0.84	5931.7	1977.2	1977.2	1977.2	120%	RST	220	18.73	3P-32	6	0.3	
QDL2	Quadro: QDL2						1														3106.0	0.86	3594.1	1198.0	1198.0	1198.0	120%	RST	220	11.35	3P-32	6	0.3	
QDL3	Quadro: QDL3 - Jardim									1											3990.0	0.90	4433.3	2216.7	0.0	2216.7	120%	TR	220	24.18	2P-32	6	1.13	
QDL4	Quadro: QDL4							1													3725.0	0.83	4468.9	1489.6	1489.6	1489.6	120%	RST	220	14.11	3P-32	6	0.81	
QDL5	Quadro: QDL5									1											4048.0	0.84	4842.2	1614.1	1614.1	1614.1	120%	RST	220	15.29	3P-32	6	0	
QDL6	Quadro: QDL6										1										5874.0	0.91	6482.2	2160.7	2160.7	2160.7	120%	RST	220	20.47	3P-32	6	0	
QDL7	Quadro: QDL7														1						11657.0	0.82	14171.7	4723.9	4723.9	4723.9	120%	RST	220	44.75	3P-63	16	0	
RES.	Circuito Reserva																															--		
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RES.	Circuito Reserva																															--		
Total		2	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	266115.0		304670.4	102246.0	100178.2	102246.0								
Aliment.	C=19.24m QT=2%																				315542.1	0.88	360544.6	102246.0	100178.2	102246.0	70%	RST	220	664.20	3P-800A	380		
Potência Total (266115.0 W) (304670.4 V.A) Potência Demandada: 70% (220879.4 W) (252381.2 V.A)																																		
Corrente nas Fases: R=958.6A S=935.6A T=958.6A																																		

Quadro de Cargas

QDF3																
Circ.	Descrição	Ar Cond.		Pot. W	Fat. Pot.	Pot. V.A	Fase R	Fase S	Fase T	Demanda (%)	Fases R S T	Tensão V	Corr. A	Prot. A	Cond. mm2	Q.T. (%)
		1139VA	1828VA													
1	Ar Condicionado Almoarifado	1		1025.1	0.90	1139.0	569.5	0.0	569.5	100%	TR	220	5.18	2P-10A	2.5	0.38
2	Ar Condicionado Tesouraria	1		1025.1	0.90	1139.0	569.5	569.5	0.0	100%	RS	220	5.18	2P-10A	2.5	0.53
3	Ar Condicionado Contabilidade 1	1		1025.1	0.90	1139.0	569.5	569.5	0.0	100%	RS	220	5.18	2P-10A	2.5	1.1
4	Ar Condicionado Contabilidade 2	1		1025.1	0.90	1139.0	0.0	569.5	569.5	100%	ST	220	5.18	2P-10A	2.5	0.61
5	Ar Condicionado Divisão de Expediente	1		1025.1	0.90	1139.0	569.5	0.0	569.5	100%	TR	220	5.18	2P-10A	2.5	0.97
6	Ar Condicionado Diretorio Geral	1		1025.1	0.90	1139.0	569.5	0.0	569.5	100%	TR	220	5.18	2P-10A	2.5	0.8
7	Ar Condicionado Secretaria	1		1025.1	0.90	1139.0	569.5	569.5	0.0	100%	RS	220	5.18	2P-10A	2.5	0.71
8	Ar Condicionado Salão Nobre	1	1	1645.2	0.90	1828.0	0.0	914.0	914.0	100%	ST	220	8.31	2P-10A	2.5	1.25
9	Ar Condicionado Licitação	1		1025.1	0.90	1139.0	0.0	569.5	569.5	100%	ST	220	5.18	2P-10A	2.5	0.76
RES.	Circuito Reserva															---
RES.	Circuito Reserva															---
RES.	Circuito Reserva															---
Total		8	1	9846.0		10940.0	3417.0	3761.5	3761.5							
Aliment.	C=20.94m QT=2%			9846.0	0.90	10940.0	3417.0	3761.5	3761.5	120%	RST	220	34.50	3P-40A	10	
Potência Total (9846.0 W) (10940.0 V.A) Potência Demandada: 120% (11815.2 W) (13128.0 V.A)																
Corrente nas Fases: R=31.1A S=34.2A T=34.2A																

Quadro de Cargas

QDF4 - Casa de Bomba																
Circ.	Descrição	Tomadas		Pot. W	Fat. Pot.	Pot. V.A	Fase R	Fase S	Fase T	Demanda (%)	Fases R S T	Tensão V	Corr. A	Prot. A	Cond. mm2	Q.T. (%)
		7CV														
1	Bomba Incêndio 1	1		5148.5	0.70	7355.0	2451.7	2451.7	2451.7	86%	RST	220	19.36	3P-25A	4	0.25
2	Bomba de Incêndio 2	1		5148.5	0.70	7355.0	2451.7	2451.7	2451.7	86%	RST	220	19.36	3P-25A	4	0.2
RES.	Circuito Reserva															---
RES.	Circuito Reserva															---
Total		2		10297.0		14710.0	4903.3	4903.3	4903.3							
Aliment.	C=19.24m QT=2%			8855.4	0.70	12650.6	4903.3	4903.3	4903.3	100%	RST	220	33.30	3P-40A	10	
Potência Total (10297.0 W) (14710.0 V.A) Potência Demandada: 86% (8855.4 W) (12650.6 V.A)																
Corrente nas Fases: R=33.3A S=33.3A T=33.3A																

Quadro de Cargas

QDF8																
Circ.	Descrição	Qd.Distr. 6000W	Pot. W	Fat. Pot.	Pot. V.A	Fase R	Fase S	Fase T	Demanda (%)	Fases R S T	Tensão V	Corr. A	Prot. A	Cond. mm2	Q.T. (%)	
QDLF-V1	Quadro: QDLF-V1	1	6000.0	0.88	6818.2	3409.1	0.0	3409.1	100%	TR	220	30.99	2P-32	6	0.52	
QDLF-V2	Quadro: QDLF-V2	1	6000.0	0.88	6818.2	3409.1	0.0	3409.1	100%	TR	220	30.99	2P-32	6	0.46	
QDLF-V3	Quadro: QDLF-V3	1	6000.0	0.88	6818.2	3409.1	3409.1	0.0	100%	RS	220	30.99	2P-32	6	0.33	
QDLF-V4	Quadro: QDLF-V4	1	6000.0	0.88	6818.2	3409.1	3409.1	0.0	100%	RS	220	30.99	2P-32	6	0.19	
QDLF-V5	Quadro: QDLF-V5	1	6000.0	0.87	6896.6	0.0	3448.3	3448.3	100%	ST	220	31.35	2P-32	6	0.57	
QDLF-V6	Quadro: QDLF-V6	1	6000.0	0.88	6818.2	0.0	3409.1	3409.1	100%	ST	220	30.99	2P-32	6	0.73	
QDLF-V7	Quadro: QDLF-V7	1	6000.0	0.88	6818.2	3409.1	0.0	3409.1	100%	TR	220	30.99	2P-32	6	0.72	
QDLF-V8	Quadro: QDLF-V8	1	6000.0	0.88	6818.2	3409.1	0.0	3409.1	100%	TR	220	30.99	2P-32	6	1.09	
QDLF-V9	Quadro: QDLF-V9	1	6000.0	0.88	6818.2	3409.1	3409.1	0.0	100%	RS	220	30.99	2P-32	6	1.29	
QDLF-V10	Quadro: QDLF-V10	1	6000.0	0.88	6818.2	0.0	3409.1	3409.1	100%	ST	220	30.99	2P-32	6	1.88	
RES.	Circuito Reserva														--	
RES.	Circuito Reserva														--	
RES.	Circuito Reserva														--	
Total		10	60000.0		68260.2	23863.6	20493.7	23902.8								
Aliment.	C=19.24m QT=2%		60000.0	0.88	68260.2	23863.6	20493.7	23902.8	120%	RST	220	215.60	3P-225A	120		
Potência Total (60000.0 W) (68260.2 V.A) Potência Demandada: 120% (72000.0 W) (81912.2 V.A)																
Corrente nas Fases: R=216.9A S=186.3A T=217.3A																