

Quadro de Cargas (QM1) - 02-Térreo																
Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Pot. total (W)	Pot. total (VA)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	I ^{tr} (A)	I ^p (A)	Seção (mm²)	Ic (A)
Q0B7	3F+N+T	B1	220/127 V	174812	152720	R+S+T	51069	50945	50705	1.00	1.00	288.9	288.9	185	408.0	40
TOTAL								51069	50945	50705						1.71

Quadro de Cargas (QD) - 02-Térreo																
Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Pot. total (W)	Pot. total (VA)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	I ^{tr} (A)	I ^p (A)	Seção (mm²)	Ic (A)
INC1	Bomba de Inodoro	3F+N+T	B1	220/127 V	0	0	R+S+T	0	0	0	1.00	1.00	0.0	0.0	2.5	21.0
INC2	Reserva	3F+N+T	B1	220/127 V	0	0	R+S+T	0	0	0	1.00	1.00	0.0	0.0	2.5	21.0
INC3	Reserva	3F+N+T	B1	220/127 V	0	0	R+S+T	0	0	0	1.00	1.00	0.0	0.0	2.5	21.0
INC4	Reserva	3F+N+T	B1	220/127 V	0	0	R+S+T	0	0	0	1.00	1.00	0.0	0.0	2.5	21.0
TOTAL					1	12599	R+S+T	9195	9185	9165			3065	3065	3065	4.40

Quadro de Cargas (Q0B7) - 02-Térreo																
Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Pot. total (W)	Pot. total (VA)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	I ^{tr} (A)	I ^p (A)	Seção (mm²)	Ic (A)
QD_Sup	3F+N+T	B1	220/127 V	56892	56888	R+S+T	19950	19116	18912	1.00	0.38	274.8	104.3	150	358.0	10
QD1	3F+N+T	B1	220/127 V	45720	45720	R+S+T	15340	15340	15340	1.00	0.38	266.3	102.3	150	358.0	40
QD_AR	3F+N+T	B1	220/127 V	33830	30545	R+S+T	9765	10525	10255	1.00	0.38	251.8	95.7	95	269.0	40
QD_Quadra	3F+N	B1	220/127 V	16072	8072	R+S+T	3200	2472	2400	1.00	1.00	44.0	44.0	16	88.0	25
QD_Inc	3F+N+T	B1	220/127 V	9195	9195	R+S+T	3065	3065	3065	1.00	1.00	33.1	33.1	16	88.0	25
QD_RESERV	3F+N+T	B1	220/127 V	4062	2200	R+S+T	733	733	733	1.00	1.00	8.0	8.0	6	48.0	40
INV1	3F+N+T	B1	220/127 V	50000	50000	R+S+T	16667	16667	16667	1.00	0.65	123.1	80	35	144.0	5
TOTAL				174812	152720	R+S+T	51069	50945	50705							1.86

Circuito	Descrição	Esquema	Método de Tensão	Iluminação (W)	Tomadas (W)	Pot. total (VA)	Pot. total (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	I ^{tr} (A)	I ^p (A)	Seção (mm²)	I _c (A)	(A) (A)	dv (var)	dv (%)		
1	Iluminação 1	F+N+T	B1	127 V	12 15 20 24 40 50	181	1096	R	1066					1.00	0.38	24.6	10.9	16	3.02	2.82		
2	Iluminação 2	F+N+T	B1	127 V	6 9 15 23		1772	1550	S		1550			1.00	0.38	36.7	14.0	32	3.76	5.56		
3	Iluminação 3	F+N+T	B1	127 V	12 10		764	640	T			640		1.00	0.38	15.8	6.0	25	14.16	1.36	3.16	
4	Iluminação 4	F+N+T	B1	127 V	8 28 1		1154	872	S		872			1.00	0.38	23.9	9.1	24	10.16	1.02	2.32	
5	Iluminação 5	F+N+T	B1	127 V		20		889	800	R	800			1.00	0.38	18.4	7.0	25	24.10	10.16	7.51	9.17
6	TUG 1	F+N+T	B1	127 V		13		1444	1300	T		1300		1.00	0.38	29.9	11.4	25	24.10	10.16	7.51	9.17
7	TUG 2	F+N+T	B1	127 V		8		889	800	R	800			1.00	0.38	18.4	7.0	24	24.10	10.16	7.51	9.17
8	TUG 3	F+N+T	B1	127 V		16		1778	1600	S		1600		1.00	0.38	36.8	14.0	4	32.10	16.16	5.21	7.70
9	TUG 4	F+N+T	B1	127 V		12		1333	1200	T		1200		1.00	0.38	27.6	10.5	25	24.10	10.16	5.21	7.70
10	TUG 5	F+N+T	B1	127 V		7		778	700	R	700			1.00	0.38	16.1	6.1	24	24.10	10.16	5.21	7.70
11	TUG 6	F+N+T	B1	127 V		17		1903	1700	T				1.00	0.38	39.4	15.0	4	32.10	16.16	4.02	5.82
12	TUG 7	F+N+T	B1	127 V		6		667	600	T		600		1.00	0.38	13.8	5.2	25	24.10	10.16	1.47	3.27
13	TUG 8	F+N+T	B1	127 V		7	2	2333	2100	R	2100			1.00	0.38	48.3	18.4	32	24.10	10.16	1.47	3.27
14	TUG 9 - 220V	F+N+T	B1	220 V		2	2	1	1550	1400	R+T	700	700	1.00	0.38	18.6	7.1	25	24.05	10.5	1.05	2.85
15	TUG 10 - 220V	F+N+T	B1	220 V			1		2222	2000	R+T			1.00	0.38	26.6	10.1	4	32.45	16.16	1.03	2.85
16	TUG 11	F+N+T	B1	127 V		8		889	800	T		800		1.00	0.38	18.4	7.0	25	24.10	10.16	1.03	2.85
17	TUG 12	F+N+T	B1	127 V		10		1111	1000	T		1000		1.00	0.70	8.7	2.5	24	24.10	10.16	0.56	2.36
18	TUG 13	F+N+T	B1	127 V		9		1000	900	R	900			1.00	0.70	11.2	7.9	25	24.10	10.16	0.68	2.46
19	TUG 14	F+N+T	B1	127 V		15		1667	1500	S		1500		1.00	0.38	34.5	13.1	8	32.45	16.16	0.68	2.46
20	TUG 15	F+N+T	B1	127 V		11		1111	1100	T		1100		1.00	0.38	25.3	9.6	25	24.10	10.16	1.13	2.93
21	TUG 16	F+N+T	B1	127 V		11		1222	1100	R	1100			1.00	0.38	25.3	9.6	25	24.10	10.16	1.31	5.21
22	Chuv. 1	F+N+T	B1	220 V			1	5400	5400	R+S	2700	2700	1.00	0.38	64.6	24.5	6	41.45	20.5	3.56	5.58	
23	Chuv. 2	F+N+T	B1	220 V			1	5400	5400	S+T	2700	2700	1.00	0.38	64.6	24.5	6	41.45	20.5	3.56	5.58	
24	Chuv. 3	F+N+T	B1	220 V			1	5400	5400	R+T	2700	2700	1.00	0.38	64.6	24.5	6	41.45	20.5	3.56	5.58	
25	Microondas	F+N+T	B1	127 V			1	1650	1450	R	1450			1.00	0.38	33.4	12.7	32	10.16	10.16	1.13	2.93
26	Ilum. Emergência	F+N	B1	127 V	26			312	312	S		312		1.00	0.38	6.5	2.5	15	17.5	10.16	0.00	0.00
27	Ilum. Externa	F+N	B1	127 V		2		109	100	S		100		1.00	0.38	2.1	0.9	25	24.10	10.16	1.13	2.93
28	Rack	F+N+T	B1	127 V			1	3333	3000	S	3000			1.00	0.38	69.1	26.2	32	17.5	10.16	0.00	0.00
29	Reserva	F+N+T	B1	127 V			0	0	0	R				1.00	1.00	0.0	0.0	15	17.5	10.16	0.00	0.00
30	Reserva	F+N+T	B1	127 V			0	0	0	R				1.00	1.00	0.0	0.0	15	17.5	10.16	0.00	0.00
31	Reserva	F+N+T	B1	127 V			0	0	0	R				1.00	1.00	0.0	0.0	15	17.5	10.16	0.00	0.00
32	Reserva	F+N+T	B1	127 V			0	0	0	R				1.00	1.00	0.0	0.0	15	17.5	10.16	0.00	0.00
33	Reserva	F+N+T	B1	127 V			0	0	0	R				1.00	1.00	0.0	0.0	15	17.5	10.16	0.00	0.00
TOTAL					26	8	37	67	63	2	151	2	1	1	1	1	3					

Quadro de Cargas (QD Quadra) - 02-Térreo																
Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Iluminação (W)	Pot. total (W)	Pot. total (VA)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	I ^{tr} (A)	I ^p (A)	Seção (mm²)
Q1	Ilum. Quadra 1	F+N	B1	127 V	2	1600	800	R	800			1.00	0.70	18.0	12.6	2.5
Q2	Ilum. Quadra 2	F+N	B1	127 V	2	1600	800	S		800		1.00	0.70	18.0	12.6	2.5
Q3	Ilum. Quadra 3	F+N	B1	127 V	2	1600	800	T			800	1.00	0.70	18.0	12.6	2.5
Q4	Ilum. Quadra 4	F+N	B1	127 V	2	1600	800	R	800			1.00	0.70	18.0	12.6	2.5
Q5	Ilum. Quadra 5	F+N	B1	127 V	2	1600	800	S		800		1.00	0.70	18.0	12.6	2.5
Q6	Ilum. Quadra 6	F+N	B1	127 V	2	1600	800	T			800	1.00	0.70	18.0	12.6	2.5
Q7	Ilum. Quadra 7	F+N	B1	127 V	2	1600	800	R	800			1.00	0.70	18.0	12.6	2.5
Q8	Ilum. Quadra 8	F+N	B1	127 V	2	1600	800	S		800		1.00	0.70	18.0	12.6	2.5
Q9	Ilum. Quadra 9	F+N	B1	127 V	2	1600	800	T			800	1.00	0.70	18.0	12.6	2.5
Q10	Ilum. Quadra 10	F+N	B1	127 V	2	1600	800	R	800			1.00	0.70	18.0	12.6	2.5
Q11	Ilum. Emergência	F+N	B1	127 V	6	72	72	S		72		1.00	0.70	0.8	0.6	2.5
TOTAL					6	20	16072		6072	R+S+T	3200	2472	2400			

Quadro de Cargas (QD_RESERV) - 02-Térreo																
Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Iluminação (W)	Tomadas (W)	Pot. total (W)	Pot. total (VA)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	I ^{tr} (A)	I ^p (A)
R1	Bomba Recalque 1	3F+N+T	B1	220/127 V	1	2041	1100	R+S+T	367	367	367	1.00	0.80	6.7	5.4	2.5
R2	Bomba Recalque 2	3F+N+T	B1	220/127 V	1	2041	1100	R+S+T	367	367	367	1.00	0.80	6.7	5.4	2.5
R3	Reserva	3F+N+T	B1	220/127 V	0	0	0	R+S+T	0	0	0	1.00	1.00	0.0	0.0	2.5
R4	Reserva	3F+N+T	B1	220/127 V	0	0	0	R+S+T	0	0	0	1.00	1.00	0.0	0.0	2.5
R5	Reserva	3F+N+T	B1	220/127 V	0	0	0	R+S+T	0	0	0	1.00	1.00	0.0	0.0	2.5
TOTAL					2	4062	2200	R+S+T	733	733	733					

Circuito	Descrição	Esquema	Método de instalação	Tensão (V)	Iluminação (W)	Tomadas (W)	Pot. total (W)	Pot. total (VA)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	I ^{tr} (A)	I ^p (A)	I ^{tr} (A)	I ^p (A)	dv par% (V)	dv total (%)		
1	Iluminação 1	F+N+T	B1	127 V	12	18	20	100	5400				1.00	0.38	26.5	10.7	16	6.3	0.00	0.00		
2	Iluminação 2	F+N+T	B1	127 V		16	22	24	1067	960	R	960	1.00	0.38	22.1	8.4	25	24.0	16	3.32	5.78	
3	Iluminação 3	F+N+T	B1	127 V		14	14		1067	960	T		960	1.00	0.38	22.1	8.4	25	24.0	16	3.32	5.78
4	Iluminação 4	F+N+T	B1	127 V		4	24		407	352	T		352	1.00	0.38	8.4	3.2	25	24.0	16	1.03	3.49
5	TUG 1	F+N+T	B1	127 V		10		1111	1000	S		1000	1.00	0.80	10.9	8.7	32	31.7	16	0.00	0.00	
6	TUG 2	F+N+T	B1	127 V		16		1718	1600	T		1600	1.00	0.38	36.8	14.0	4	32.0	16	2.11	4.57	
7	TUG 3	F+N+T	B1	127 V		19		2139	1900	S		1900	1.00	0.38	44.5	16.8	4	32.0	20	4.00	6.46	
8	TUG 4	F+N+T	B1	127 V		8		8017	8000	R		8000	1.00	0.38	7.1	2.7	32	31.7	16	0.00	0.00	
9	TUG 5	F+N+T	B1	127 V		17		1917	1700	T		1700	1.00	0.38	39.7	15.1	4	32.0	16	4.13	5.68	
10	TUG 6	F+N+T	B1	127 V		18		2028	1800	R	1800		1.00	0.38	42.0	16.0	4	32.0	16	2.68	5.14	
11	TUG 7	F+N+T	B1	127 V		15		1667	1500	S		1500	1.00	0.38	34.5	13.1	4	32.0	16	1.91	4.37	
12	Chw 1	F+N+T	B23V	220 V		1		5400	5400	R+S	2700	2700	1.00	0.38	84.6	24.5	6	41.0	4.5	2.30	3.75	
13	Chw 2	F+N+T	B1	127 V		1		5400	5400	R+T		2700	2700	1.00	0.38	84.6	24.5	10	57.0	4.5	2.51	4.27
14	Chw 3	F+P+T	B1	127 V		1		5400	5400	R+T	2700	2700	1.00	0.38	84.6	24.5	6	41.0	4.5	2.30	3.75	
15	Chw 4	F+N+T	B23V	220 V		1		5400	5400	R+S	2700	2700	1.00	0.38	84.6	24.5	6	41.0	4.5	2.30	3.75	
16	Chw 5	F+P+T	B1	127 V		1		5400	5400	S+T		2700	2700	1.00	0.38	84.6	24.5	6	41.0	4.5	2.30	3.75
17	Chw 6	F+P+T	B1	127 V		1		5400	5400	R+T	2700	2700	1.00	0.38	84.6	24.5	6	41.0	4.5	2.30	3.75	
18	Chw 7	F+P+T	B23V	220 V		1		5400	5400	R+S	2700	2700	1.00	0.38	84.6	24.5	6	41.0	4.5	2.30	3.75	
19	Chw 8	F+N+T	B23V	220 V		1		5400	5400	R+T	2700	2700	1.00	0.38	84.6	24.5	6	41.0	4.5	2.30	3.75	
20	Ilum. de Emergência	F+N	B1	127 V	4		48	48	S			48	1.00	0.38	1.0	0.4	25	24.0	16	0.07	2.53	
21	Reserva	F+N+T	B1	127 V		0		0	0	R			1.00	1.00	0.0	0.0	15	17.5	16	0.00	0.00	
22	Reserva	F+N+T	B1	127 V		0		0	0	R			1.00	1.00	0.0	0.0	15	17.5	16	0.00	0.00	
23	Reserva	F+N+T	B1	127 V		0		0	0	R			1.00	1.00	0.0	0.0	15	17.5	16	0.00	0.00	
24	Reserva	F+N+T	B1	127 V		0		0	0	R			1.00	1.00	0.0	0.0	15	17.5	16	0.00	0.00	
25	Reserva	F+N+T	B1	127 V		0		0	0	R			1.00	1.00	0.0	0.0	15	17.5	16	0.00	0.00	
TOTAL					4	20	14	70	103	8	58992	56988		R+S+T	18660	19116	18912					