

DIAGRAMA UNIFILAR

QUADROS DE CARGAS

QGBT - 1 - QUADRO DE GERAL DE BAIXA TENSÃO - 1																
Nº CHC	EQUIPAMENTO	POTÊNCIA(W)	POTÊNCIA(VA)	FATOR POTÊNCIA	TENSÃO (V)	ESCALA DE TENSÃO DE LIGAÇÃO	CORRENTE (A)	FASE mm²	NEUTRO mm²	TERRA mm²	DISJUNTOR (A)	DISJ. DR. 30mA (A)	BALANCEAMENTO DE FASES			
													A-N	B-N	CN	ABC
1	ABC QDF-127	6.990	7.586	0,92	127	NFT	19,9	3x6,0	6,0	6,0	32	C	2.792	2.317	2.488	0
2	ABC QDF-220	70.250	76.359	0,92	220	NFFT	306,0	3x6,0	6,0	6,0	200	C	24.861	25.000	26.467	0
3	ABC QDF-200	75.000	78.000	0,92	200	NFFT	207,3	3x6,0	6,0	6,0	200	C	18.315	16.467	15.348	8.866
4	ABC QDF-RAIOX	40.000	43.478	0,92	220	NFFT	114,10	3X0,0	50,0	25,0	125	C	0	0	0	43.478
5	ABC PROTEÇÃO AR CONDICIONADO	80.000	87.628	0,92	220	NFFT	256,73	0,0	0,0	0,0	0	C	0	0	0	87.628
6	RESERVA															
7	RESERVA															
SOMA TOTAL													43.999	43.785	44.303	150.000
DEMANDA		282.240	304.261	0,92	220	NFFT	798,48					C	43.999	43.785	44.303	150.000
		192.957	209.567	0,92	220	NFFT	506,38	2x3x185,0	2x185,0	2x25,0	600	C	43.999	43.785	44.303	150.000

QDL-127 - QUADRO DE DISTRIBUIÇÃO DE LUZ - 127 V																								
Nº CHC	LÂMPADAS (W)				TOMADAS (V)				EQUIPAMENTO	POTÊNCIA(W)	POTÊNCIA(VA)	FATOR POTÊNCIA	TENSÃO	ESCALA DE TENSÃO DE LIGAÇÃO	CORRENTE (A)	FASE mm²	NEUTRO mm²	TERRA mm²	DISJUNTOR (A)	DISJ. DR. 30mA (A)	BALANCEAMENTO DE FASES			
	1x3	1x8	2x16	2x18	150	200	300	ESP.													A-N	B-N	C-N	ABC
1	A	3							Iluminação- Geral	585	636	0,92	NFT	6,18	1,5	1,5	1,5	0	836	763				
2	B		3		20				Iluminação- Geral	720	735	0,92	NFT	6,18	1,5	1,5	1,5	0						
3	C		1	2	12				Iluminação- Geral	415	416	0,92	NFT	4,06	1,5	1,5	1,5	0						
4	A	1	5	8					Iluminação- Geral	447	466	0,92	NFT	3,43	1,5	1,5	1,5	0	486		556			
5	B		1	5					Iluminação- Geral	664	743	0,92	NFT	4,06	1,5	1,5	1,5	0	763					
6	C	1		15					Iluminação- Geral	887	747	0,92	NFT	2,88	1,5	1,5	1,5	0						
7	A		1	15					Iluminação- Geral	417	427	0,92	NFT	4,06	1,5	1,5	1,5	0	512		747			
8	B		2	4	18				Iluminação- Geral	665	713	0,92	NFT	3,61	1,5	1,5	1,5	0						
9	C		2	8					Iluminação- Geral	514	498	0,92	NFT	4,06	1,5	1,5	1,5	0						
10	A	2	8	6					Iluminação- Geral	362	410	0,92	NFT	3,27	1,5	1,5	1,5	0	415					
11	B		2	8					Iluminação- Geral	626	627	0,92	NFT	4,06	1,5	1,5	1,5	0						
12	C		2	8					Iluminação- Geral	477	516	0,92	NFT	4,06	1,5	1,5	1,5	0						
13	A		1	11					Iluminação- Geral	72	78	0,92	NFT	0,62	1,5	1,5	1,5	0						
14	RESERVA									RESERVA														
SOMA TOTAL										6.990	7.586	0,92	220	NFT	19,94	3x6,0	6,0	6,0	32	C	2.792	2.317	2.488	0

QDF - 127 - QUADRO DE DISTRIBUIÇÃO DE FORÇA - 127 V																					
Nº CHC	LÂMPADAS (W)			TOMADAS (V)	EQUIPAMENTO	POTÊNCIA(W)	POTÊNCIA(VA)	FATOR POTÊNCIA	TENSÃO(V)	ESCALA DE TENSÃO DE LIGAÇÃO	CORRENTE (A)	FASE mm²	NEUTRO mm²	TERRA mm²	DISJUNTOR (A)	DISJ. DR. 30mA (A)	BALANCEAMENTO DE FASES				
	1Ø	2Ø	3Ø														A-N	B-N	C-N	ABC	
1	A	8	9	26	36	150	200	300	ESP.									A-N	B-N	C-N	ABC
2	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C	1.067					
3	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C		1.067				
4	A	8	9	26	36	800	870	0,92	127	NFT	16,86	4,0	4,0	20	C	1.80				1.304	
5	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.304
6	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.304
7	A	8	9	26	36	1.200	1.304	0,92	127	NFT	20,27	4,0	4,0	20	C	1.304					
8	B	8	9	26	36	1.400	1.522	0,92	127	NFT	23,67	4,0	4,0	20	C						1.522
9	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C		1.967				1.967
10	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.967
11	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.967
12	C	8	9	26	36	2.000	2.174	0,92	127	NFT	31,72	4,0	4,0	20	C						2.174
13	A	8	9	26	36	3.000	4.130	0,92	127	NFT	45,08	10,0	10,0	40	C	4.130					
14	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
15	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
16	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
17	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
18	C	8	9	26	36	2.000	2.174	0,92	127	NFT	31,72	4,0	4,0	20	C						1.739
19	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
20	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
21	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
22	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
23	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
24	C	8	9	26	36	2.000	2.174	0,92	127	NFT	31,72	4,0	4,0	20	C						1.739
25	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
26	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
27	C	8	9	26	36	800	870	0,92	127	NFT	16,86	4,0	4,0	20	C						870
28	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
29	B	8	9	26	36	2.000	2.174	0,92	127	NFT	31,72	4,0	4,0	20	C						2.174
30	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
31	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
32	B	8	9	26	36	400	430	0,92	127	NFT	8,42	4,0	4,0	20	C						430
33	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.645
34	A	8	9	26	36	800	870	0,92	127	NFT	16,86	4,0	4,0	20	C						870
35	B	8	9	26	36	1.300	1.504	0,92	127	NFT	20,27	4,0	4,0	20	C						1.304
36	C	8	9	26	36	800	870	0,92	127	NFT	16,86	4,0	4,0	20	C						870
37	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.645
38	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.645
39	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.645
40	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.645
41	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.645
42	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.645
43	A	8	9	26	36	400	430	0,92	127	NFT	8,42	4,0	4,0	20	C						430
44	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
45	C	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
46	A	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
47	B	8	9	26	36	1.000	1.087	0,92	127	NFT	16,86	4,0	4,0	20	C						1.739
48	C	8	9	26	36	650	700	0,92	127	NFT	9,56	4,0	4,0	20	C						700
49	A	8	9	26	36	1.500	1.615	0,92	127	NFT	23,67	4,0	4,0	20	C						1.615
50	B	8	9	26	36	1.500	1.615	0,92	127	NFT	23,67	4,0	4,0	20	C						1.615
51	C	8	9	26	36	1.500	1.615	0,92	127	NFT	23,67	4,0	4,0	20	C						1.615
52	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
53	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
54	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
55	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
56	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
57	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
58	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
59	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
60	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
61	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
62	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
63	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
64	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
65	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
66	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
67	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
68	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
69	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
70	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
71	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
72	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
73	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
74	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
75	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
76	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
77	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
78	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
79	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
80	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
81	C	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
82	A	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
83	B	8	9	26	36	RES. BARRA									C	24.891	25.000	26.487	0		
84	C	8	9	26	36	RES. BARRA									C	24.891	25.000				

