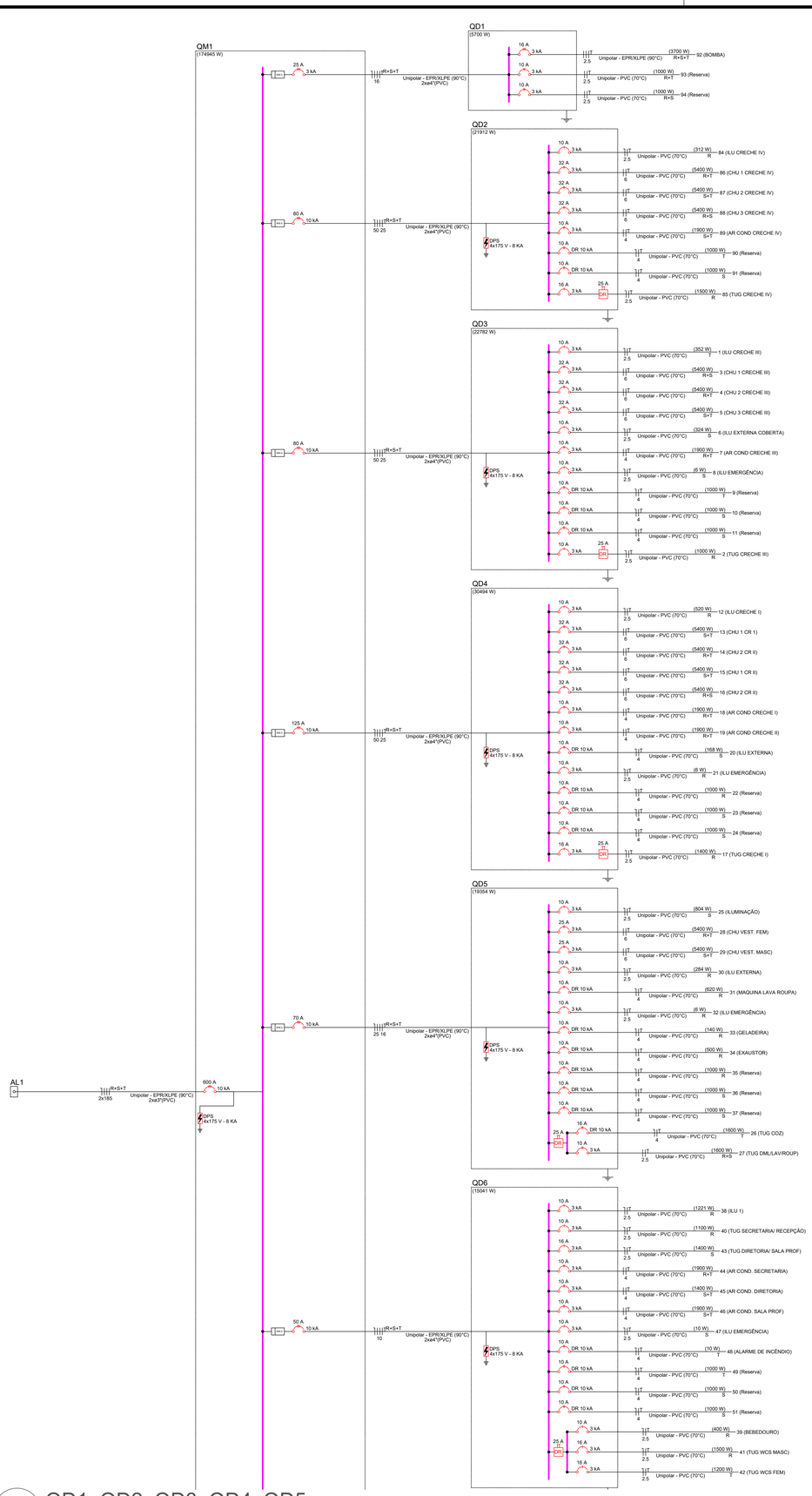
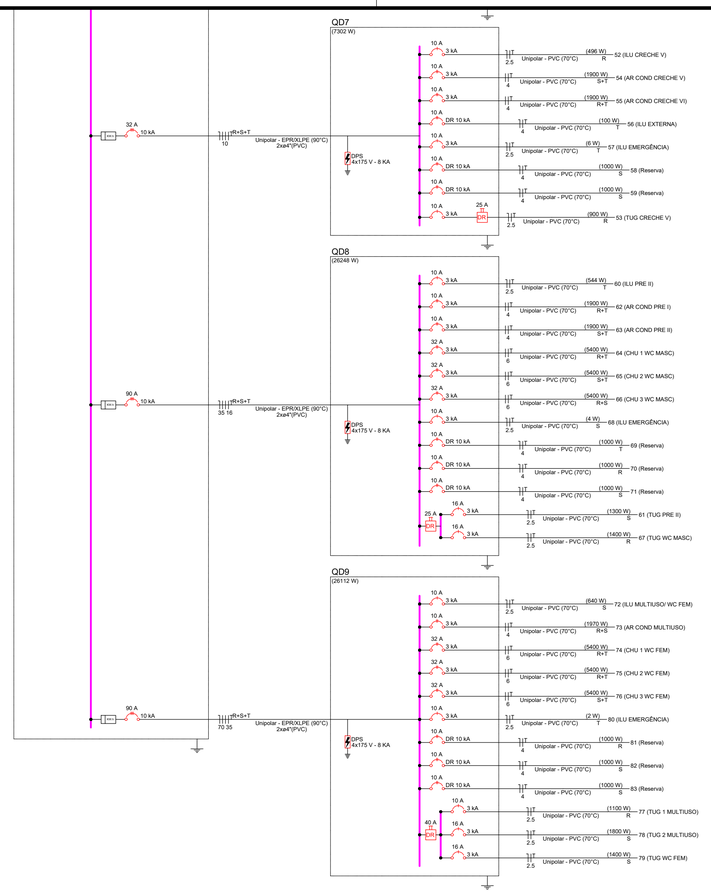


1 QD1, QD2, QD3, QD4, QD5
ESCALA 1:150



2 QD6, QD7, QD8, QD9
ESCALA 1:150

Quadro de Cargas (AL1) - TÉRREO

Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Pot. total. (W) (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	Ir' (A)	Ip (A)	Seção (mm²)	Ic (A)	Icc (kA)	Disj (A)	dV parc (%)	dV total (%)	Status
QM1		3F+N	B2	220/127 V	190835	174945	R+S+T	57823	59574	57547	1.00	1.00	540.0	540.0	2x185	696.0	10	600	0.13	0.13	ERRO
TOTAL					190835	174945	R+S+T	57823	59574	57547											

Quadro de Cargas (QM1) - TÉRREO

Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Pot. total. (W) (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	Ir' (A)	Ip (A)	Seção (mm²)	Ic (A)	Icc (kA)	Disj (A)	dV parc (%)	dV total (%)	Status
QD1		3F+N+T	B2	220/127 V	7070	5700	R+S+T	2233	1733	1733	1.00	1.00	22.4	22.4	16	80.0	3	25	2.80	2.93	OK
QD2		3F+N+T	B2	220/127 V	24090	21912	R+S+T	7212	7350	7350	1.00	1.00	72.0	72.0	50	154.0	10	80	3.18	3.31	OK
QD3		3F+N+T	B2	220/127 V	24905	22782	R+S+T	7350	7730	7702	1.00	1.00	74.8	74.8	50	154.0	10	80	2.97	3.11	OK
QD4		3F+N+T	B2	220/127 V	33472	30494	R+S+T	10226	10268	10000	1.00	1.00	101.0	101.0	50	154.0	10	125	3.20	3.33	OK
QD5		3F+N+T	B2	220/127 V	19850	19354	R+S+T	6050	6304	7000	1.00	1.00	63.1	63.1	25	105.0	10	70	3.01	3.15	OK
QD6		3F+N+T	B2	220/127 V	16243	15041	R+S+T	5171	5060	4810	1.00	1.00	45.5	45.5	10	60.0	10	50	2.31	2.45	OK
QD7		3F+N+T	B2	220/127 V	7825	7302	R+S+T	2346	2950	2006	1.00	0.80	31.7	25.3	10	60.0	10	32	3.55	3.69	OK
QD8		3F+N+T	B2	220/127 V	28771	26248	R+S+T	8750	8654	8844	1.00	0.80	107.4	85.9	35	128.0	10	90	2.82	2.95	OK
QD9		3F+N+T	B2	220/127 V	28609	26112	R+S+T	8485	9525	8102	1.00	1.00	86.0	86.0	70	194.0	10	90	1.09	1.22	OK
TOTAL					190835	174945	R+S+T	57823	59574	57547											

Quadro de Cargas (QD3) - TÉRREO

Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Iluminação (W) 20	1	24	36	Tomadas (W) 2	100	600	1900	5400	Pot. total. (W) (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	Ir' (A)	Ip (A)	Seção (mm²)	Ic (A)	Icc (kA)	Disj (A)	dV parc (%)	dV total (%)	Status
1	ILU CRECHE III	F+N+T	B2	127 V	2		13							352	352	T			352	1.00	1.00	1.7	2.8	2.5	23.0	3	10	0.24	3.35	OK
2	TUG CRECHE III	F+N+T	B2	127 V					4	1				1111	1000	R	1000			1.00	1.00	5.2	8.7	2.5	23.0	3	10	0.40	3.51	OK
3	CHU 1 CRECHE III	F+F+T	B2	220 V								1		6000	5400	R+S	2700	2700		1.00	1.00	27.3	27.3	6	38.0	3	32	0.52	3.63	OK
4	CHU 2 CRECHE III	F+F+T	B2	220 V								1		6000	5400	R+T	2700		2700	1.00	1.00	27.3	27.3	6	38.0	3	32	0.54	3.64	OK
5	CHU 3 CRECHE III	F+F+T	B2	220 V								1		6000	5400	S+T		2700	2700	1.00	1.00	27.3	27.3	6	38.0	3	32	0.54	3.65	OK
6	ILU EXTERNA COBERTA	F+N+T	B2	127 V		9								324	324	S	324			1.00	1.00	2.6	2.6	2.5	23.0	3	10	0.68	3.79	OK
7	AR COND CRECHE III	F+F+T	B2	220 V							1			2111	1900	R+T	950		950	1.00	1.00	9.6	9.6	4	30.0	3	10	0.45	3.56	OK
8	ILU EMERGÊNCIA	F+N+T	B2	127 V		3								7	6	S		6		1.00	1.00	0.0	0.1	2.5	23.0	3	10	0.01	3.11	OK
9	Reserva	F+N+T	B2	127 V										1000	1000	T			1000	1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
10	Reserva	F+N+T	B2	127 V										1000	1000	S		1000		1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
11	Reserva	F+N+T	B2	127 V										1000	1000	S		1000		1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
TOTAL					2	13	9	3	4	1	1	3		24905	22782	R+S+T	7350	7730	7702											

Quadro de Cargas (QD4) - TÉRREO

Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Iluminação (W) 20	24	2	Tomadas (W) 100	1900	5400	Pot. total. (W) (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	Ir' (A)	Ip (A)	Seção (mm²)	Ic (A)	Icc (kA)	Disj (A)	dV parc (%)	dV total (%)	Status
12	ILU CRECHE I	F+N+T	B2	127 V	2	20					520	520	R	520			1.00	1.00	1.9	4.1	2.5	23.0	3	10	0.47	3.80	OK
13	CHU 1 CR I	F+F+T	B2	220 V						1	6000	5400	S+T		2700	2700	1.00	1.00	27.3	27.3	6	38.0	3	32	0.70	4.03	OK
14	CHU 2 CR II	F+F+T	B2	220 V						1	6000	5400	R+T	2700		2700	1.00	1.00	27.3	27.3	6	38.0	3	32	0.63	3.96	OK
15	CHU 1 CR II	F+F+T	B2	220 V						1	6000	5400	S+T		2700	2700	1.00	1.00	27.3	27.3	6	38.0	3	32	0.94	4.27	OK
16	CHU 2 CR II	F+F+T	B2	220 V						1	6000	5400	R+S	2700	2700		1.00	1.00	27.3	27.3	6	38.0	3	32	0.90	4.23	OK
17	TUG CRECHE I	F+N+T	B2	127 V				14			1556	1400	R	1400			1.00	1.00	3.5	12.2	2.5	23.0	3	16	0.60	3.93	OK
18	AR COND CRECHE I	F+F+T	B2	220 V					1		2111	1900	R+T	950		950	1.00	1.00	9.6	9.6	4	30.0	3	10	0.43	3.77	OK
19	AR COND CRECHE II	F+F+T	B2	220 V					1		2111	1900	R+T	950		950	1.00	1.00	9.6	9.6	4	30.0	3	10	0.71	4.05	OK
20	ILU EXTERNA	F+N+T	B2	127 V		7					168	168	S		168		1.00	1.00	1.3	1.3	4	30.0	10	10	0.27	3.60	OK
21	ILU EMERGÊNCIA	F+N+T	B2	127 V			3				7	6	R	6			1.00	1.00	0.0	0.1	2.5	23.0	3	10	0.00	3.34	OK
22	Reserva	F+N+T	B2	127 V							1000	1000	R	1000			1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
23	Reserva	F+N+T	B2	127 V							1000	1000	S		1000		1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
24	Reserva	F+N+T	B2	127 V							1000	1000	S		1000		1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
TOTAL					2	27	3	14	2	4	33472	30494	R+S+T	10226	10268	10000											

Quadro de Cargas (QD5) - TÉRREO

Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Iluminação (W) 18	20	24	2	Tomadas (W) 100	140	500	600	620	5400	Pot. total. (W) (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	Ir' (A)	Ip (A)	Seção (mm²)	Ic (A)	Icc (kA)	Disj (A)	dV parc (%)	dV total (%)	Status
25	ILUMINAÇÃO	F+N+T	B2	127 V		3	31								804	804	S		804		1.00	0.80	4.8	6.3	2.5	23.0	3	10	0.58	3.73	OK
26	TUG COZ	F+N+T	B2	127 V					16						1778	1600	T			1600	1.00	0.80	13.1	14.0	4	30.0	10	16	0.44	3.58	OK
27	TUG DML/LAV/ROUP	F+F+T	B2	220 V					4			2			1778	1600	R+S	800	800		1.00	0.80	10.1	8.1	2.5	23.0	3	10	0.67	3.82	OK
28	CHU VEST. FEM	F+F+T	B2	220 V										1	5400	5400	R+T	2700		2700	1.00	0.80	30.7	24.5	6	38.0	3	25	0.50	3.65	OK
29	CHU VEST. MASC	F+F+T	B2	220 V										1	5400	5400	S+T		2700	2700	1.00	0.80	30.7	24.5	6	38.0	3	25	0.73	3.88	OK
30	ILU EXTERNA	F+N+T	B2	127 V	4	7	3								284	284	R	284			1.00	0.80	2.8	2.2	2.5	23.0	3	10	0.77	3.92	OK
31	MAQUINA LAVA ROUPA	F+N+T	B2	127 V									1		689	620	R	620			1.00	0.80	6.8	5.4	4	30.0	10	10	0.64	3.79	OK
32	ILU EMERGÊNCIA	F+N+T	B2	127 V				3							7	6	R	6			1.00	0.80	0.1	0.1	2.5	23.0	3	10	0.00	3.15	OK
33	GELADEIRA	F+N+T	B2	127 V						1					156	140	R	140			1.00	1.00	1.2	1.2	4	30.0	10	10	0.10	3.25	OK
34	EXAUSTOR	F+N+T	B2	127 V							1				556	500	R	500			1.00	1.00	4.4	4.4	4	30.0	10	10	0.37	3.51	OK
35	Reserva	F+N+T	B2	127 V											1000	1000	R	1000			1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
36	Reserva	F+N+T	B2	127 V											1000	1000	S		1000		1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
37	Reserva	F+N+T	B2	127 V											1000	1000	S		1000		1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
TOTAL					4	10	34	3	20	1	1	2	1	2	19850	19354	R+S+T	6050	6304	7000											

Quadro de Cargas (QD6) - TÉRREO

Circuito	Descrição	Esquema	Método de inst.	Tensão (V)	Pot. total. (W) (VA)	Pot. total. (W)	Fases	Pot. - R (W)	Pot. - S (W)	Pot. - T (W)	FCT	FCA	Ir' (A)	Ip (A)	Seção (mm²)	Ic (A)	Icc (kA)	Disj (A)	dV parc (%)	dV total (%)	Status
38	ILU 1	F+N+T	B2	127 V	1221	1000	R	1000			1.00	0.80	7.7	9.6	2.5	23.0	3	10	0.77	4.04	OK
40	TUG SECRETARIA/ RECEPÇÃO	F+N+T	B2	127 V	1100	1000	R	1000			1.00	0.80	6.9	8.6	2.5	23.0	3	10	0.69	4.00	OK
43	TUG DIRETORIA/ SALA PROF	F+N+T	B2	127 V	1400	1000	S		1000		1.00	0.80	8.8	7.7	2.5	23.0	3	10	0.88	4.19	OK
44	AR COND. SECRETARIA	F+F+T	B2	220 V	1900	1900	R+T	950		950	1.00	1.00	9.6	9.6	4	30.0	3	10	0.45	3.56	OK
45	AR COND. DIRETORIA	F+F+T	B2	220 V	1400	1000	S+T		1000	1000	1.00	1.00	7.1	7.1	4	30.0	3	10	0.71	4.02	OK
46	AR COND. SALA PROF	F+F+T	B2	220 V	1900	1900	S		1900		1.00	1.00	9.6	9.6	4	30.0	3	10	0.96	4.27	OK
47	ILU EMERGÊNCIA	F+N+T	B2	127 V	10	10	S		10		1.00	0.80	0.1	0.1	2.5	23.0	3	10	0.00	3.15	OK
48	ALARME DE INCÊNDIO	F+N+T	B2	127 V	10	10	T		10		1.00	0.80	0.1	0.1	2.5	23.0	3	10	0.00	3.15	OK
49	Reserva	F+N+T	B2	127 V	1000	1000	T			1000	1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
50	Reserva	F+N+T	B2	127 V	1000	1000	S			1000	1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
51	Reserva	F+N+T	B2	127 V	1000	1000	S			1000	1.00	1.00	7.9	7.9	4	30.0	10	10	0.00	0.00	OK
39	BEBEDOURO	F+N+T	B2	127 V	400	400	R	400			1.00	0.80	2.5	3.1	2.5	23.0	3	10	0.25	3.40	OK
41	TUG WCS MASC	F+N+T	B2	127 V	1500	1500	R	1500			1.00	0.80	9.4	11.8	2.5	23.0	3	10	0.94	4.37	OK
42	TUG WCS FEM	F+N+T	B2	127 V	1200	1200	T		1200		1.00	0.80	7.5	9.4	2.5	23.0	3	10	0.75	4.18	OK
TOTAL					10241	9241		2400	3210	3630											

3 AL1, QM1, QD1, QD2, QD3, QD4, QD5
ESCALA 1:150

4 QD6, QD7, QD8
ESCALA 1:150

APROVAÇÃO

RIBAS DO RIO PARDO
PREFEITURA

PREFEITURA MUNICIPAL DE RIBAS DO RIO PARDO

OBRA
CONSTRUÇÃO DO EMEI DE RIBAS DO RIO PARDO

LOCAL
AV. LISBOA ESQUINA COM AV. DIRIO RICARTES, SN, JARDIM DOS ESTADOS, RIBAS DO RIO PARDO

ÁREA CONSTRUÍDA 1041,33 m²
ÁREA DO TERRENO 18433,40 m²

RESPONSÁVEL TÉCNICO PI PROJETO
RONALDO DOS SANTOS BARBOSA
CREA nº 68.511/MS

PREFEITO
JOÃO ALFREDO DANIEZE
CNPJ 03.501.541/0001-91

DISCIPLINA
PROJETO DE INSTALAÇÕES ELÉTRICAS

CONTEÚDO
QUADROS DE CARGA E DIAGRAMAS

FOLHA
6/6

ESCALA
Como indicado

DATA
JUNHO/2023

CONVÊNIO

COORDENADAS
20°28'3.66"S
53°46'4.43"S