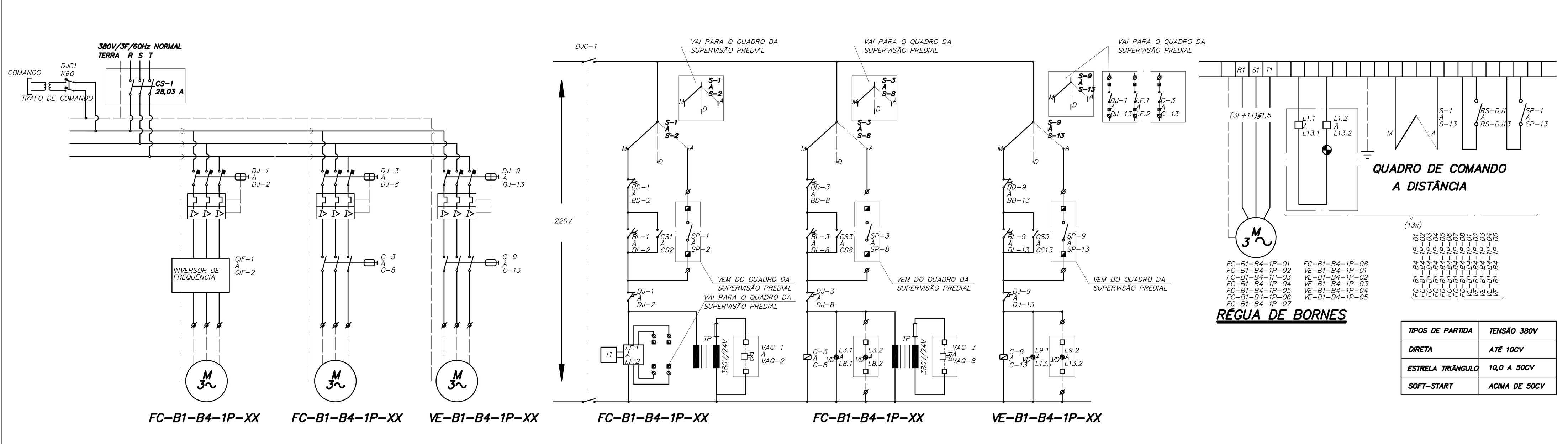


DIAGRAMA ELÉTRICO DE FORÇA E COMANDO – QE-B1-B4-1P-01

QE-B1-B4-1P-01								
QUADRO	EQUIPAMENTO	CSG-1 (A)	TENSÃO (V)	I nominAl (A)	DJ-1 À DJ-13	CIF-1 À CIF-2	C-3 À C-13	MOTOR (CV)
QE-B1-B4-1P-01	FC-B1-B4-1P-06	28,03	380V/3F/60Hz	4,1	GV2LE14	31HU15N4A		1,5
	FC-B1-B4-1P-07		380V/3F/60Hz	2,3	GV2LE08	31HU75N4A		0,75
	FC-B1-B4-1P-01		380V/3F/60Hz	1,6	GV2ME06		LC1K0610	0,5
	FC-B1-B4-1P-02		380V/3F/60Hz	1,6	GV2ME06		LC1K0610	0,5
	FC-B1-B4-1P-03		380V/3F/60Hz	3,7	GV2ME08		LC1K0610	1,5
	FC-B1-B4-1P-04		380V/3F/60Hz	1,0	GV2ME05		LC1K0610	0,25
	FC-B1-B4-1P-05		380V/3F/60Hz	1,6	GV2ME06		LC1K0610	0,5
	FC-B1-B4-1P-08		380V/3F/60Hz	1,6	GV2ME06		LC1K0610	0,5
	VE-B1-B4-1P-01		380V/3F/60Hz	1,0	GV2ME05		LC1K0610	0,25
	VE-B1-B4-1P-02		380V/3F/60Hz	1,0	GV2ME05		LC1K0610	0,25
	VE-B1-B4-1P-03		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75
	VE-B1-B4-1P-04		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	1,0
	VE-B1-B4-1P-05		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	1,0

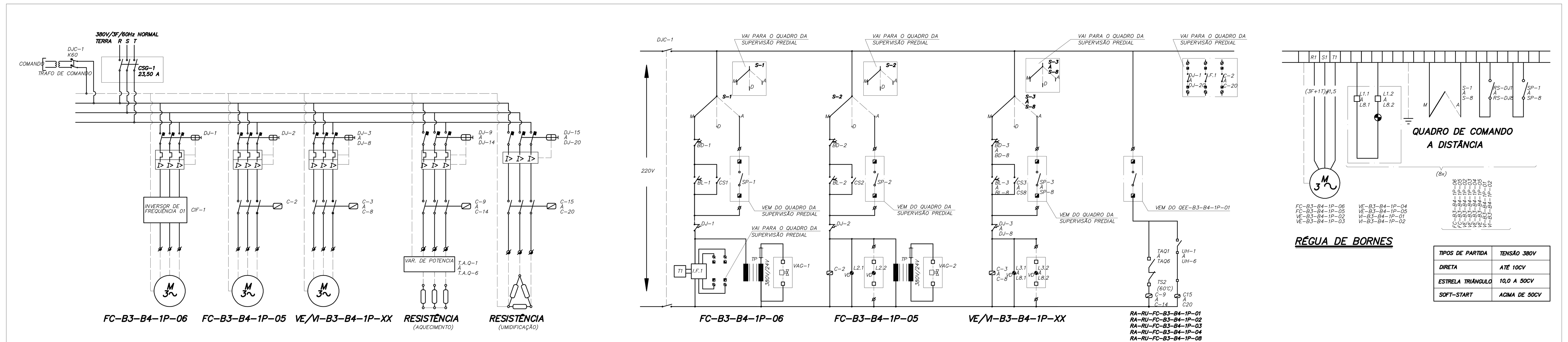


DIAGRAMA ELÉTRICO DE FORÇA E COMANDO – QE-B3-B4-1P-01

QE-B3-B4-1P-01											
QUADRO	EQUIPAMENTO	CSG-1 (A)	TENSÃO (V)	I nominAl (A)	DJ-1 À DJ-20	CIF-1	C-2 À C-20	MOTOR (CV)	AQUECIMENTO (KW)	UMIDIFICAÇÃO (KW)	INTERTRAVAMENTO
QE-B3-B4-1P-01	FC-B3-B4-1P-06	23,50	380V/3F/60Hz	2,3	GV2LE08	31HU75N4A		0,75			
	FC-B3-B4-1P-05		380V/3F/60Hz	8,0	GV2ME17		LC1K0910	3,0			
	VE-B3-B4-1P-02		380V/3F/60Hz	1,0	GV2ME15		LC1K0610	0,16			
	VE-B3-B4-1P-03		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75			VI-B3-B4-1P-02
	VE-B3-B4-1P-04		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	1,0			VI-B3-B4-1P-01
	VE-B3-B4-1P-05		380V/3F/60Hz	1,0	GV2ME05		LC1K0610	0,25			
	VI-B3-B4-1P-01		380V/3F/60Hz	1,6	GV2ME06		LC1K0610	0,5			VE-B3-B4-1P-04
	VI-B3-B4-1P-02		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75			VE-B3-B4-1P-03
	RA-RU-FC-B3-B4-1P-01								6,0	1,5	FC-B3-B4-1P-01
	RA-RU-FC-B3-B4-1P-02								6,0	1,5	FC-B3-B4-1P-02
	RA-RU-FC-B3-B4-1P-03								6,0	1,5	FC-B3-B4-1P-03
	RA-RU-FC-B3-B4-1P-04								6,0	1,5	FC-B3-B4-1P-04
	RA-RU-FC-B3-B4-1P-08								7,5	2,0	FC-B3-B4-1P-08
	RA-RU-FC-B3-B4-1P-09								7,5	2,0	FC-B3-B4-1P-09

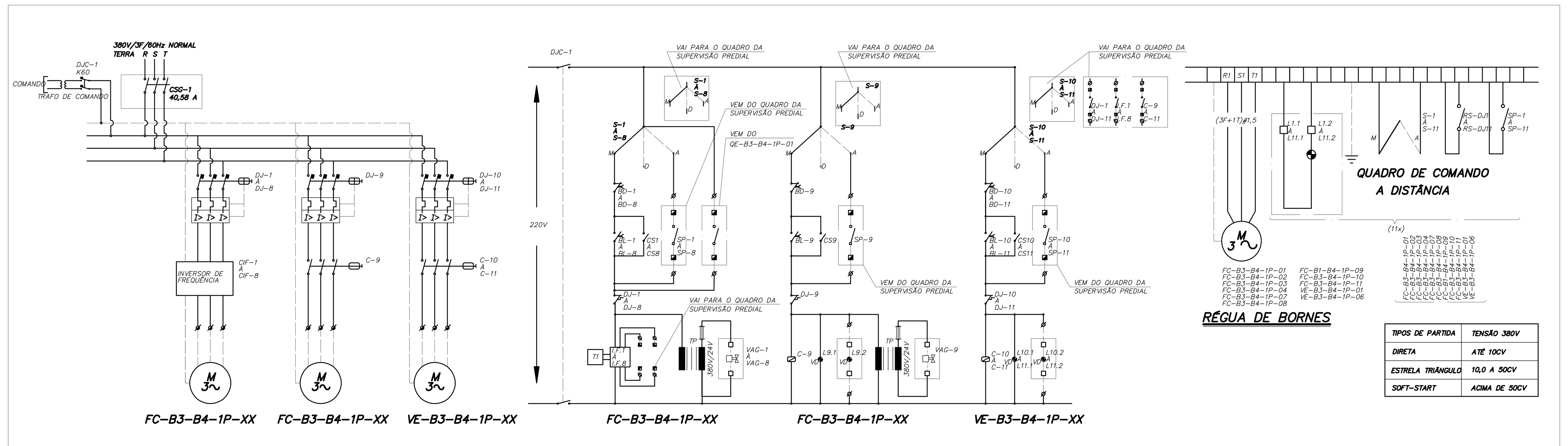


DIAGRAMA ELÉTRICO DE FORÇA E COMANDO – QEE-B3-B4-1P-01

QEE-B3-B4-1P-01									
QUADRO	EQUIPAMENTO	CSG-1 (A)	TENSÃO (V)	I nominAl (A)	DJ-1 À DJ-11	CIF-1 À CIF-8	C-9 À C-11	MOTOR (CV)	INTERTRAVAMENTO
QEE-B3-B4-1P-01	FC-B3-B4-1P-01	40,58	380V/3F/60Hz	4,1	GV2LE14	31HU15N4A		2,0	RA-RU-FC-B3-B4-1P-01 FC-B3-B4-1P-11 VE-B3-B4-1P-06
	FC-B3-B4-1P-02		380V/3F/60Hz	4,1	GV2LE14	31HU15N4A		2,0	RA-RU-FC-B3-B4-1P-02 FC-B3-B4-1P-11 VE-B3-B4-1P-06
	FC-B3-B4-1P-03		380V/3F/60Hz	4,1	GV2LE14	31HU15N4A		2,0	RA-RU-FC-B3-B4-1P-03 FC-B3-B4-1P-11 VE-B3-B4-1P-06
	FC-B3-B4-1P-04		380V/3F/60Hz	4,1	GV2LE14	31HU15N4A		2,0	RA-RU-FC-B3-B4-1P-04 FC-B3-B4-1P-11 VE-B3-B4-1P-06
	FC-B3-B4-1P-08		380V/3F/60Hz	5,5	GV2LE14	31HU22N4A		3,0	RA-RU-FC-B3-B4-1P-08 FC-B3-B4-1P-10 VE-B3-B4-1P-01
	FC-B3-B4-1P-09		380V/3F/60Hz	5,5	GV2LE14	31HU22N4A		3,0	RA-RU-FC-B3-B4-1P-09 FC-B3-B4-1P-10 VE-B3-B4-1P-01
	FC-B3-B4-1P-10		380V/3F/60Hz	2,3	GV2LE08	31H075N4A		0,75	
	FC-B3-B4-1P-11		380V/3F/60Hz	2,3	GV2LE08	31H075N4A		1,0	
	FC-B3-B4-1P-07		380V/3F/60Hz	3,7	GV2ME08		LC1K0610	1,5	
	VE-B3-B4-1P-01		380V/3F/60Hz	1,0	GV2ME05		LC1K0610	0,33	
	VE-B3-B4-1P-06		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75	

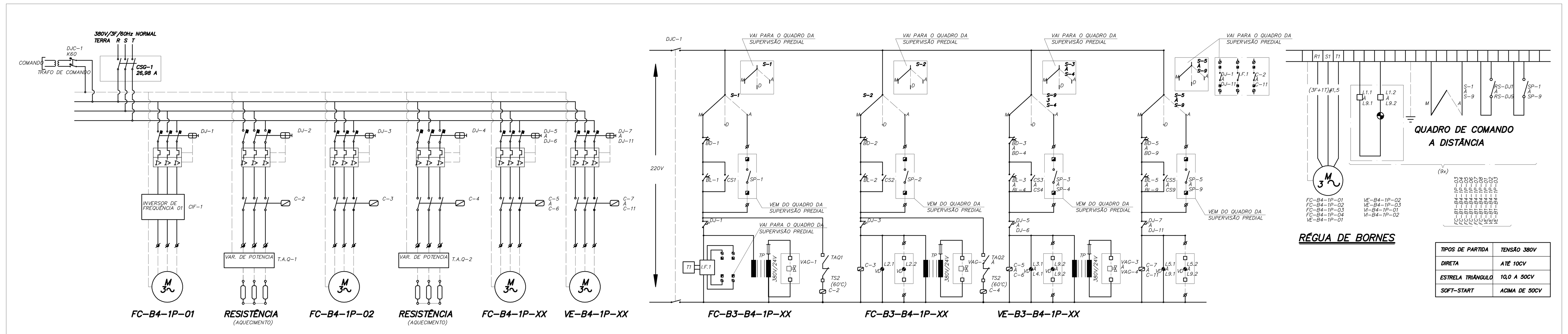


DIAGRAMA ELÉTRICO DE FORÇA E COMANDO – QE-B4-1P-01

QE-B1-B4-1P-01										
QUADRO	EQUIPAMENTO	CSG-1 (A)	TENSÃO (V)	I nominAl (A)	DJ-1 À DJ-11	CIF-1	C-2 À C-11	MOTOR (CV)	AQUECIMENTO (KW)	INTERTRAVAMENTO
QE-B4-1P-01	FC-B4-1P-01	26,98	380V/3F/60Hz	4,1	GV2LE14	31HU15N4A		2,0	6,0	
	FC-B4-1P-02		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	1,0	2,5	
	FC-B4-1P-03		380V/3F/60Hz	5,5	GV2ME10		LC1K0610	2,0		
	FC-B4-1P-04		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	1,0		
	VE-B4-1P-01		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75		VI-B4-1P-01
	VE-B4-1P-02		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75		VI-B4-1P-02
	VE-B4-1P-03		380V/3F/60Hz	1,0	GV2ME05		LC1K0610	0,16		
	VI-B4-1P-01		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75		VE-B4-1P-01
	VI-B4-1P-02		380V/3F/60Hz	2,5	GV2ME07		LC1K0610	0,75		VE-B4-1P-02

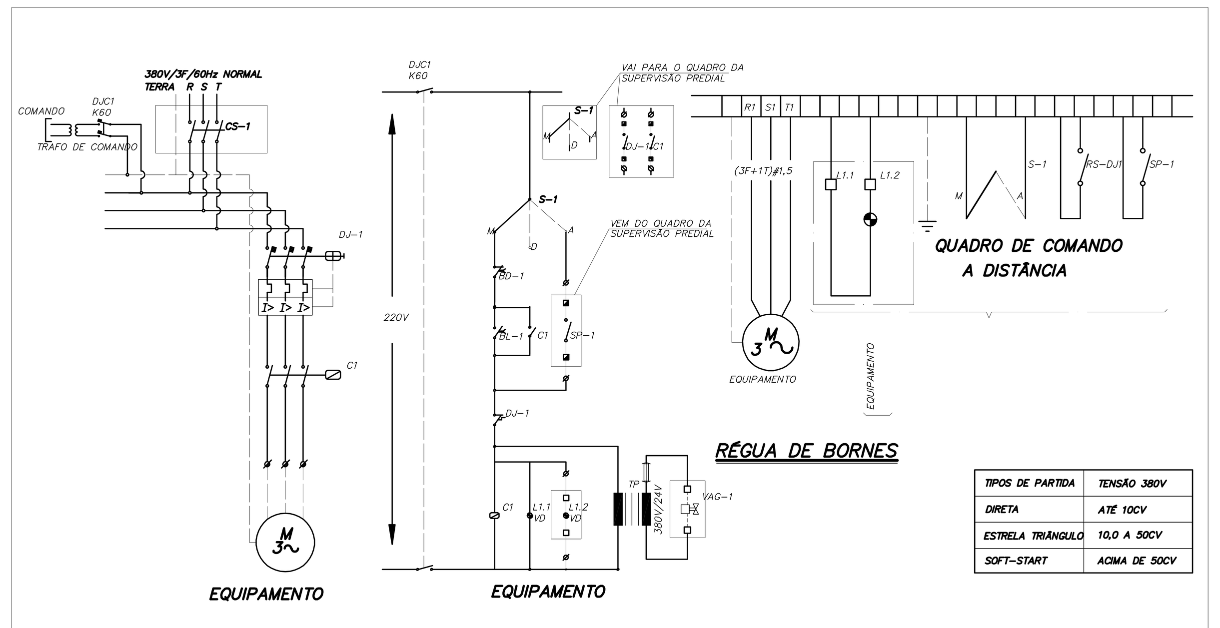


DIAGRAMA ELÉTRICO DE FORÇA E COMANDO – TABELA 1

TABELA 1							
QUADRO	EQUIPAMENTO	CSG-1 (A)	TENSÃO (V)	I nominAl (A)	DJ-1	C1	MOTOR (CV)
QE-B4-2P-01	FC-B4-2P-02	2,56	380V/3F/60Hz	1,6	GV2ME06	LC1K1610	0,5
QE-B4-2P-02	FC-B4-2P-03	12,80	380V/3F/60Hz	8,0	GV2ME14	LC1K0910	3,0
QE-B4-2P-03	FC-B4-2P-06	4,00	380V/3F/60Hz	2,5	GV2ME07	LC1K0610	0,75

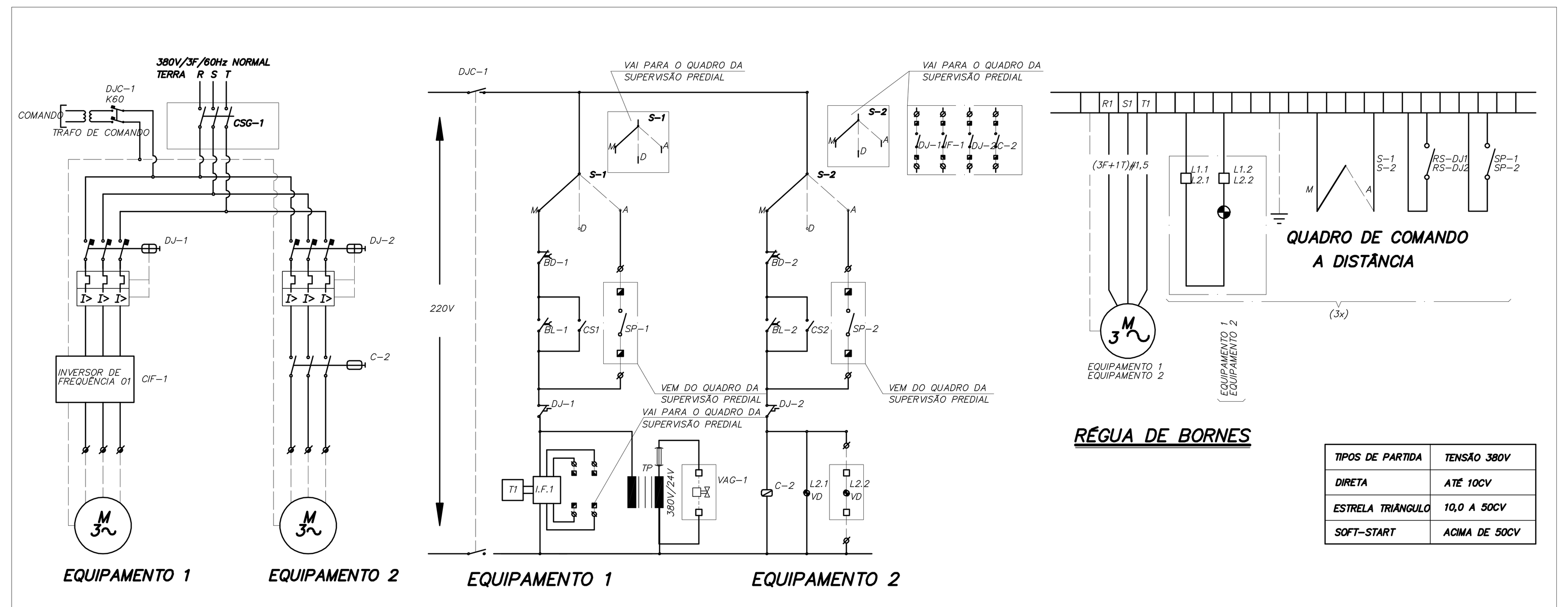


DIAGRAMA ELÉTRICO DE FORÇA E COMANDO – TABELA 2

TABELA 2											
QUADRO	EQUIPAMENTO	CSG-1 (A)	TENSÃO (V)	I nominAl (A)	DJ-1	CIF-1	MOTOR (CV)	DJ-2	C-2	MOTOR (CV)	INTERTRAVAMENTO
QEE-B4-2P-01	FC-B4-2P-01	7,63	380V/3F/60Hz	4,1	GV2LE14	31HU15N4A	1,5				VI-B4-2P-01 VE-B4-3P-02
	VI-B4-2P-01		380V/3F/60Hz	2,5				GV2ME07	LC1K0610	0,75	
QEE-B4-2P-02	FC-B4-2P-04	7,63	380V/3F/60Hz	4,1	GV2LE14	31HU15N4A	1,5				VI-B4-2P-02 VE-B4-3P-02
	VI-B4-2P-02		380V/3F/60Hz	2,5				GV2ME07	LC1K0610	0,75	
QEE-B4-2P-03	FC-B4-2P-05	7,63	380V/3F/60Hz	4,1	GV2LE14	31HU15N4A	1,5				VI-B4-2P-03 VE-B4-3P-02
	VI-B4-2P-03		380V/3F/60Hz	2,5				GV2ME07	LC1K0610	0,75	
QEE-B4-3P-01	FC-B4-3P-01	7,63	380V/3F/60Hz	4,1	GV2LE14	31HU15N4A	1,5				VI-B4-3P-01 VE-B4-3P-02
	VI-B4-3P-01		380V/3F/60Hz	2,5				GV2ME07	LC1K0610	0,75	
QEE-B4-3P-02	FC-B4-3P-02	7,63		4,1	GV2LE14	31HU15N4A	1,5				VI-B4-3P-02 VE-B4-3P-02
	VI-B4-3P-02		380V/3F/60Hz	2,5				GV2ME07	LC1K0610	0,75	

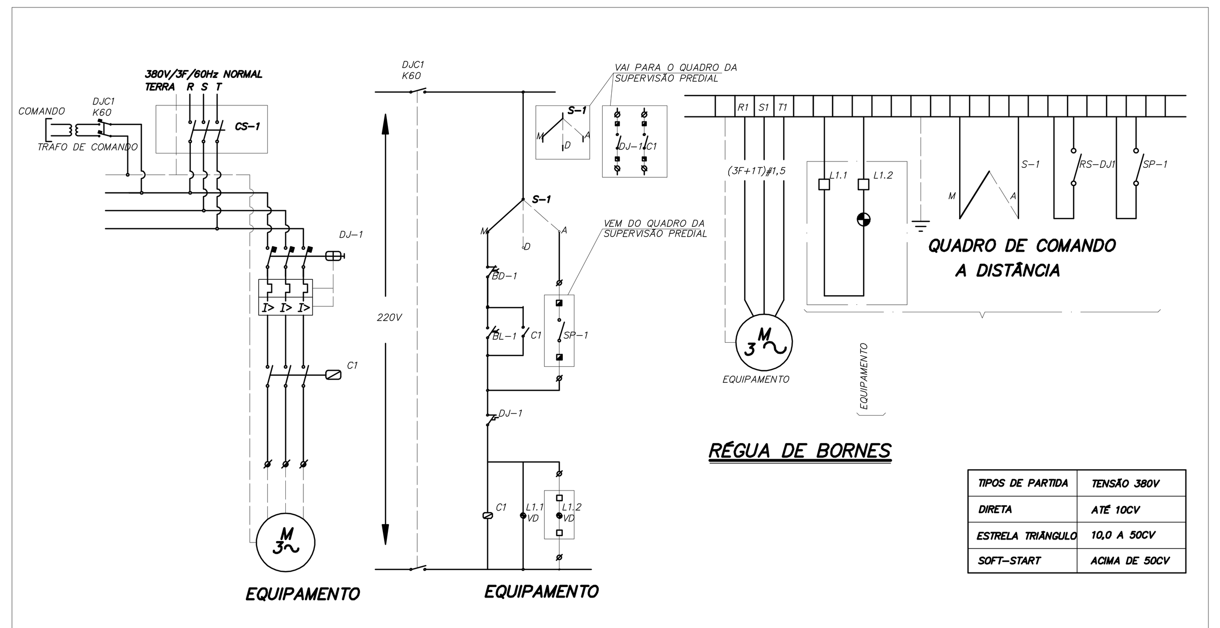
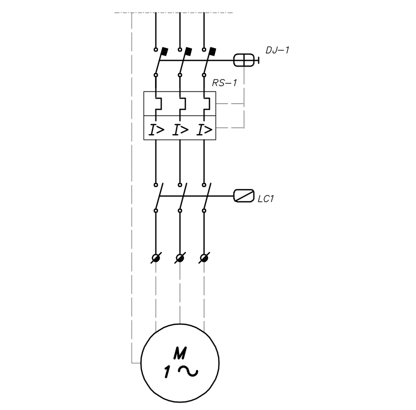


DIAGRAMA ELÉTRICO DE FORÇA E COMANDO – TABELA 3

TABELA 3								
QUADRO	EQUIPAMENTO	CSG-1 (A)	TENSÃO (V)	I nominAl (A)	DJ-1	C1	MOTOR (CV)	INTERTRAVAMENTO
QE-B4-3P-01	VE-B4-3P-01	4,00	380V/3F/60Hz	2,5	GV2ME07	LC1K1610	0,75	
QE-B4-3P-02	VE-B4-3P-02	4,00	380V/3F/60Hz	2,5	GV2ME07	LC1K0610	1,0	FC-B4-2P-01 VI-B4-2P-01 FC-B4-2P-04 VI-B4-2P-02 FC-B4-2P-05 VI-B4-2P-03 FC-B4-3P-01 VI-B4-3P-01 FC-B4-3P-02 VI-B4-3P-02
QEE-B4-3P-03	VE-B4-3P-03	5,92	380V/3F/60Hz	3,7	GV2ME08	LC1K0610	1,5	



FC-B1-XX-XX

DIAGRAMA ELÉTRICO DE FORÇA DO PONTO DE FORÇA – TABELA 4

TABELA 4							
	EQUIPAMENTO	CS (A)	I nominal (A)	MOTOR	DJ-1	LC1	TENSÃO/FASE
PONTO DE FORÇA	FC-B1-TE-01	1,6	1,0	50W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-02	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-03	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-04	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-05	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-06	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-07	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-08	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-09	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-10	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-11	1,6	1,0	65W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-12	1,6	1,0	65W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-13	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-14	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-15	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-16	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-17	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-TE-18	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-MZ-01	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-MZ-02	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F
	FC-B1-MZ-03	1,6	1,0	35W	GV2ME05	LC1K0610	220v/1F

REVISÃO	DATA	DESCRIÇÃO
0	26/11/2010	EMISSÃO INICIAL

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MHA Engenharia Ltda
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09021 / prj09021@mha.com.br
HAROLDO / LUCIANE
ALDO / 26 / 11 / 2010

09021-PE-CLI-VAC-011-R00

A000 1559.00 x 841.00 mm 1.31 m2
C0902117.DWG – 10/12/2010 LU

Usar as espessuras indicadas e a cor preta.

Cor des.	Espessura (mm)
1	0,2
2	0,6
3	0,4
4	0,3
5	0,1
6	0,1
7	0,6
8	0,8
9	0,2
10	1,0
11	0,1
12	0,1
13	0,1
14	0,1
15	0,09
250	0,1 67%
251	0,1 54%
252	0,1 40%
253	0,1 28%
254	0,1 13%

Plotar em preto e branco.
Ao Plotar use: 1559,00 x 841,00 mm Esc.PLT: 1=1,0000
10/12/2010 LU
C0902117.DWG S/C