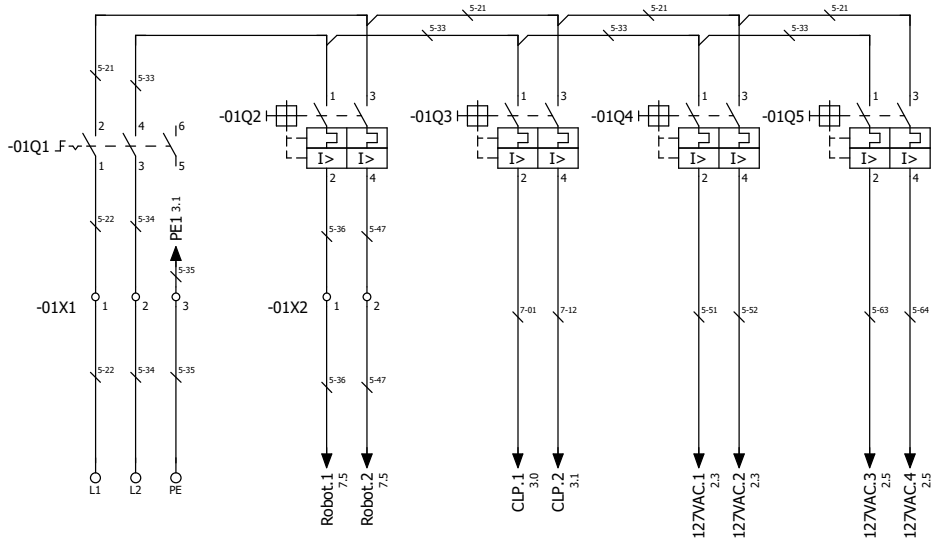
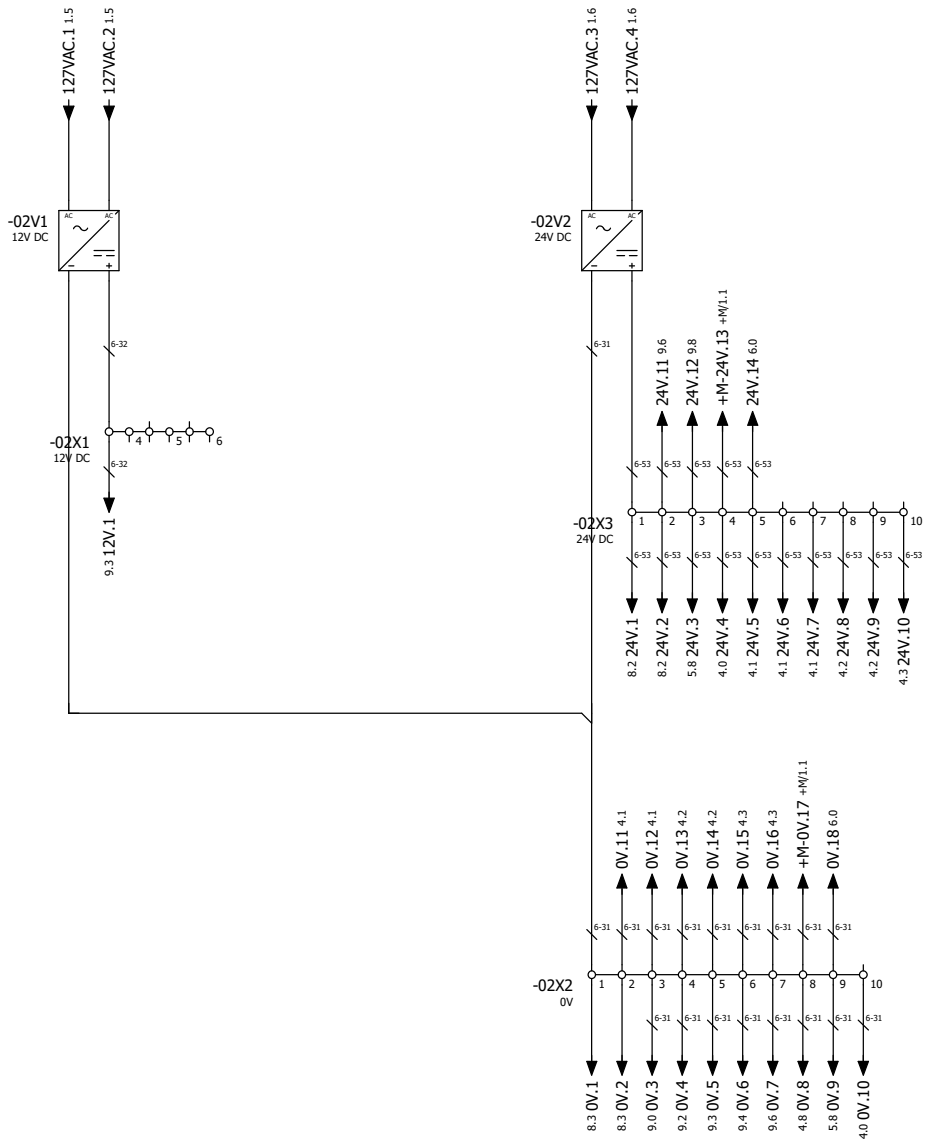


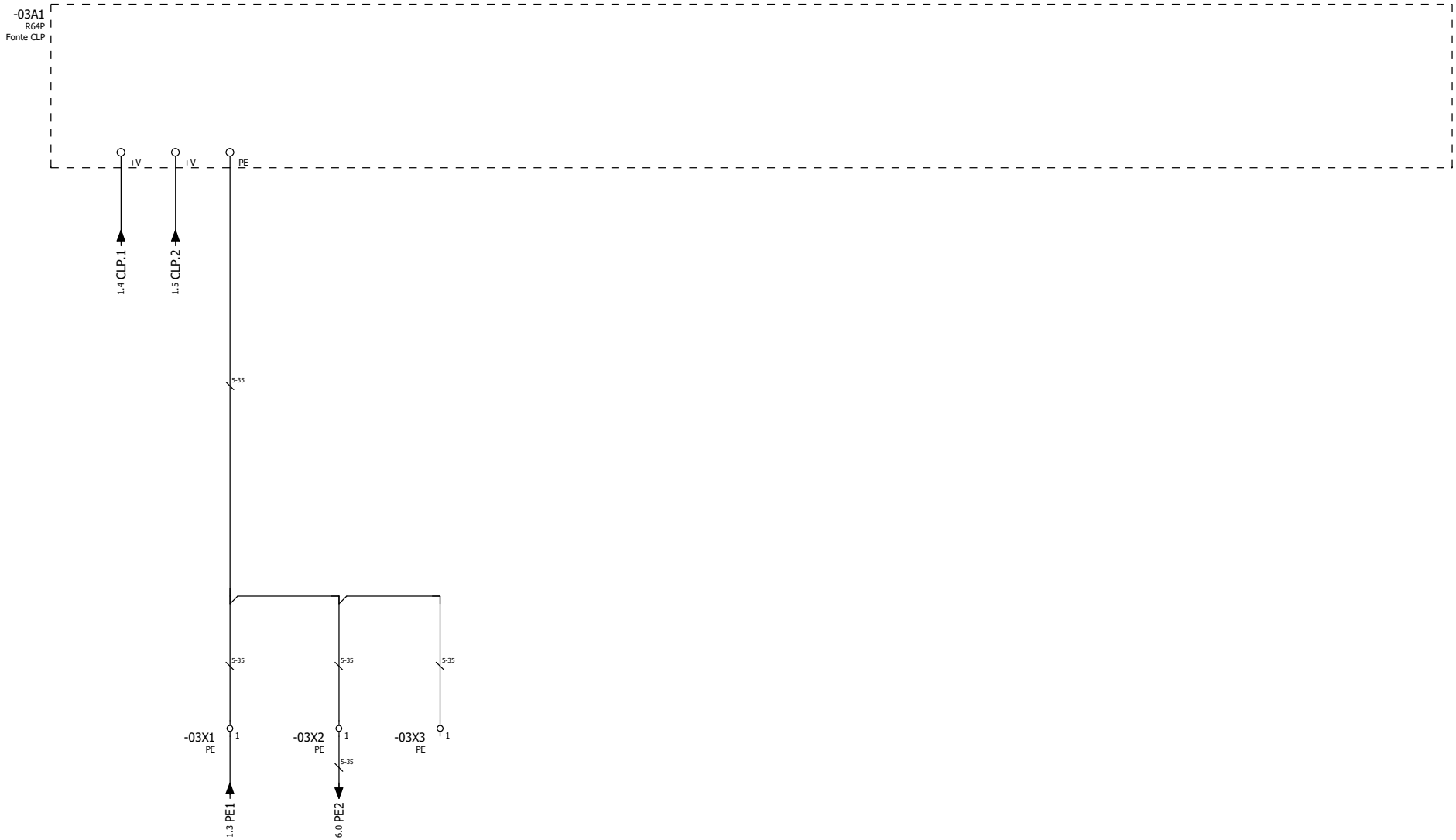
Sao Paulo

			Date	17/10/2024	EPLAN		Instituto Mauá de Tecnologia	Alimentação 220V	= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 1
Modification	Date	Name	Original		Replacement of	Replaced by			Page 1 / 12

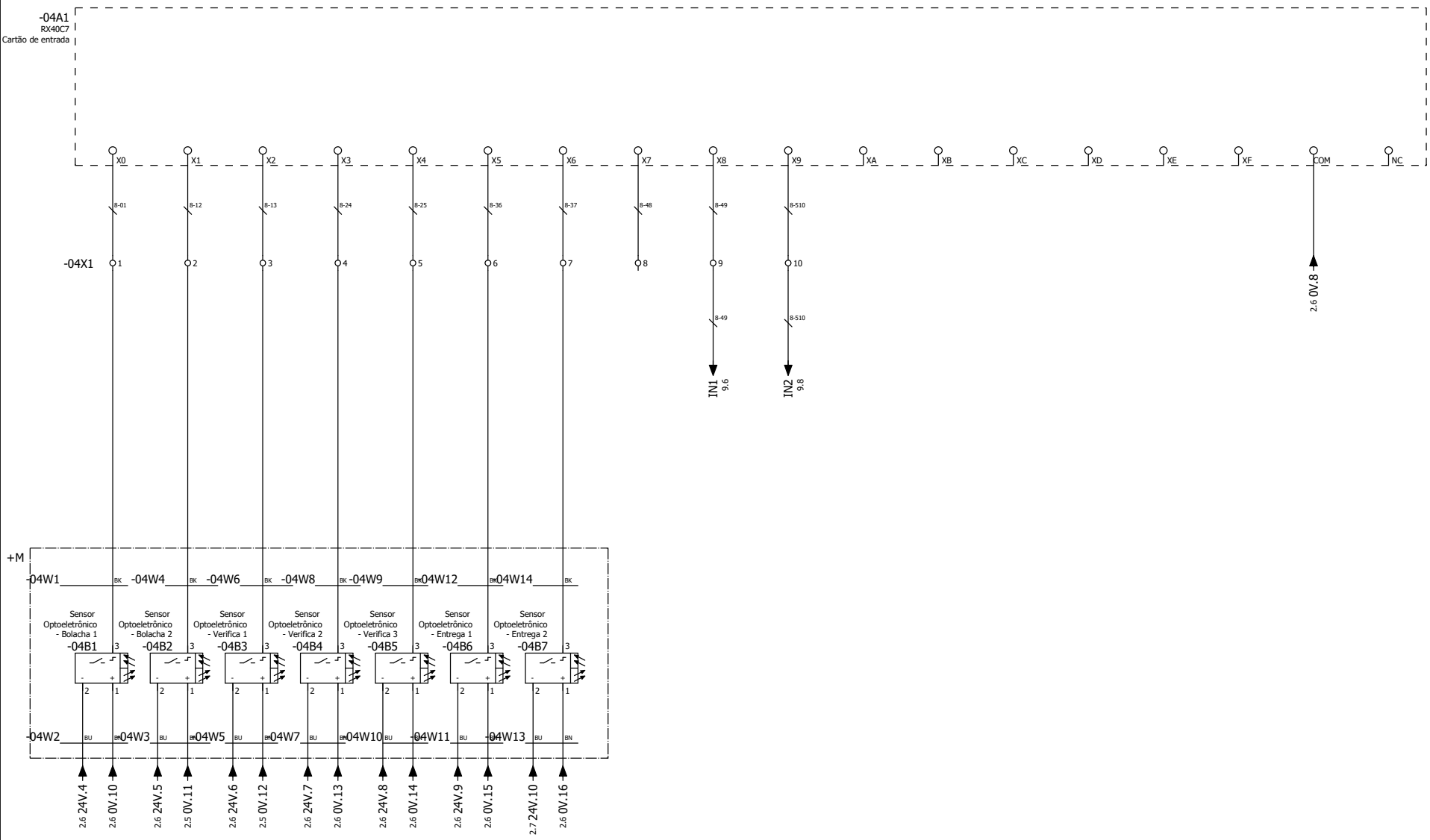


Sao Paulo

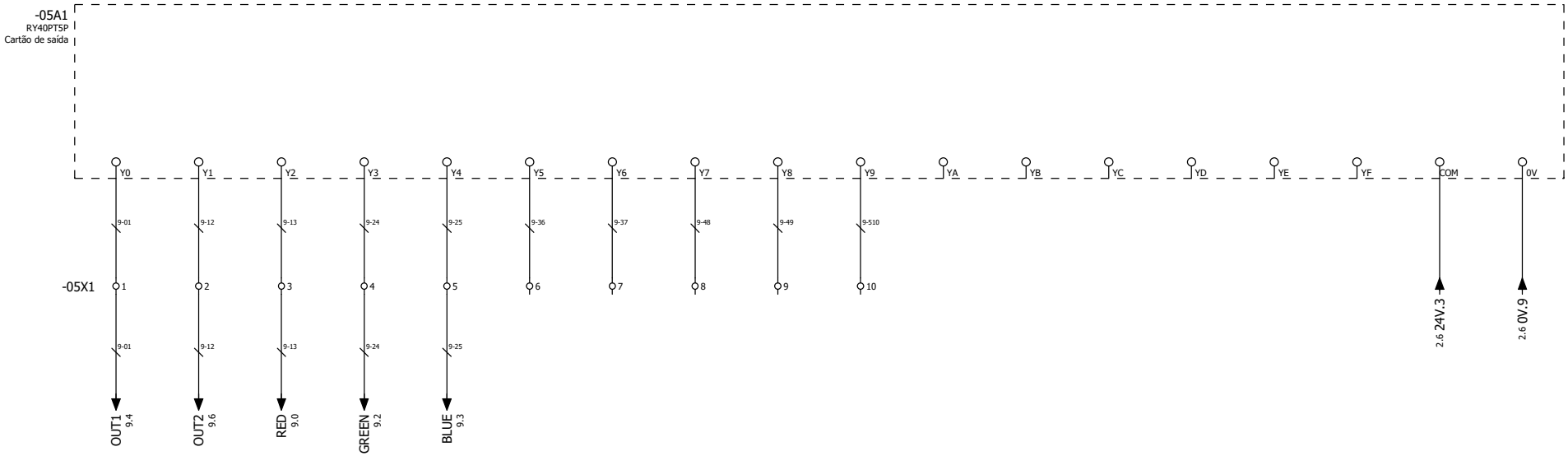
			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	Alimentação 12/24V		= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 2
Modification	Date	Name	Original		Replacement of	Replaced by			Page 2 / 12



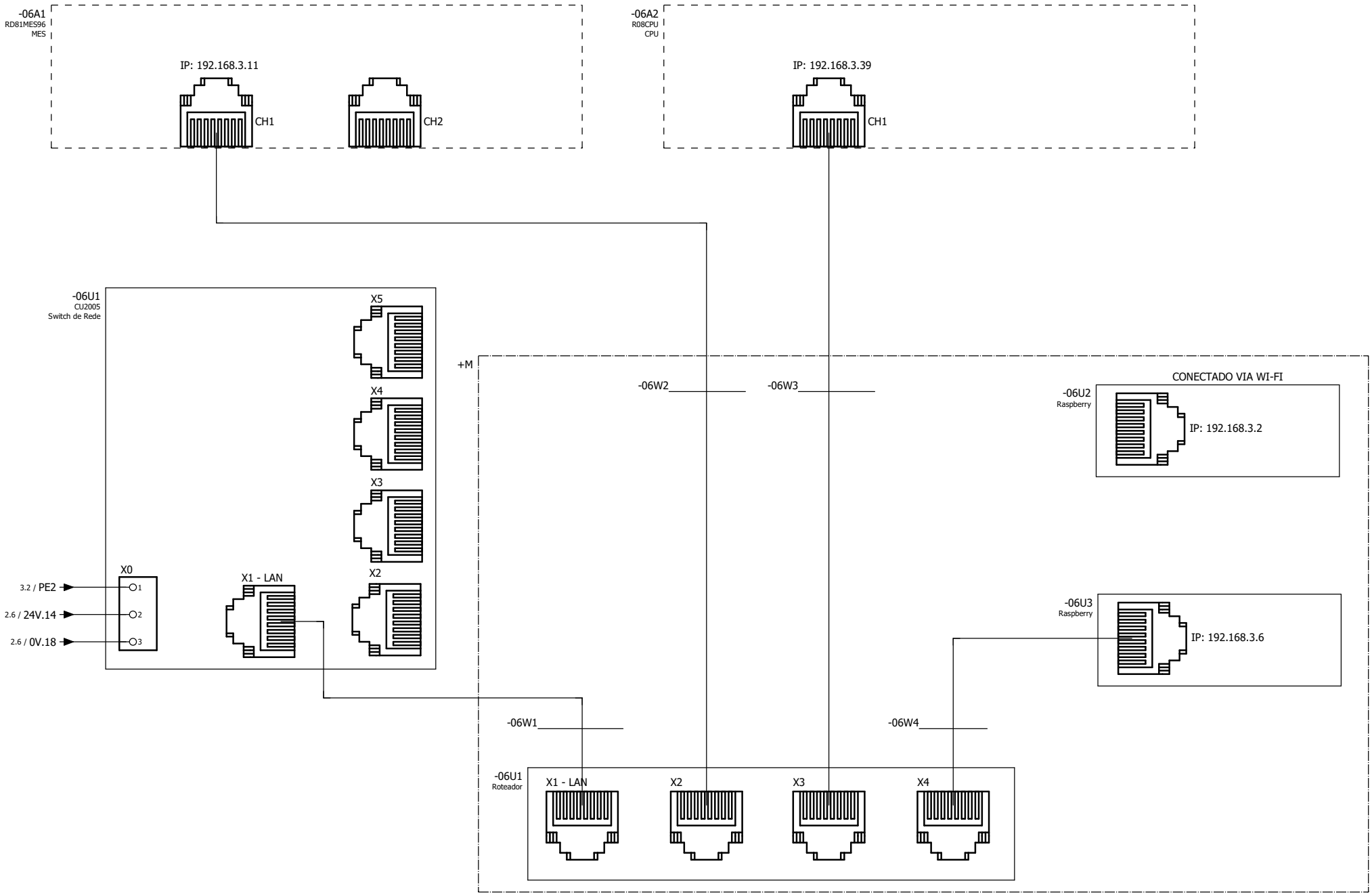
			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	CLP - FONTE E GND		= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 3
Modification	Date	Name	Original		Replacement of	Replaced by			Page 3 / 12



			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	CLP - Cartão de entradas		= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 4
Modification	Date	Name	Original		Replacement of	Replaced by			Page 4 / 12

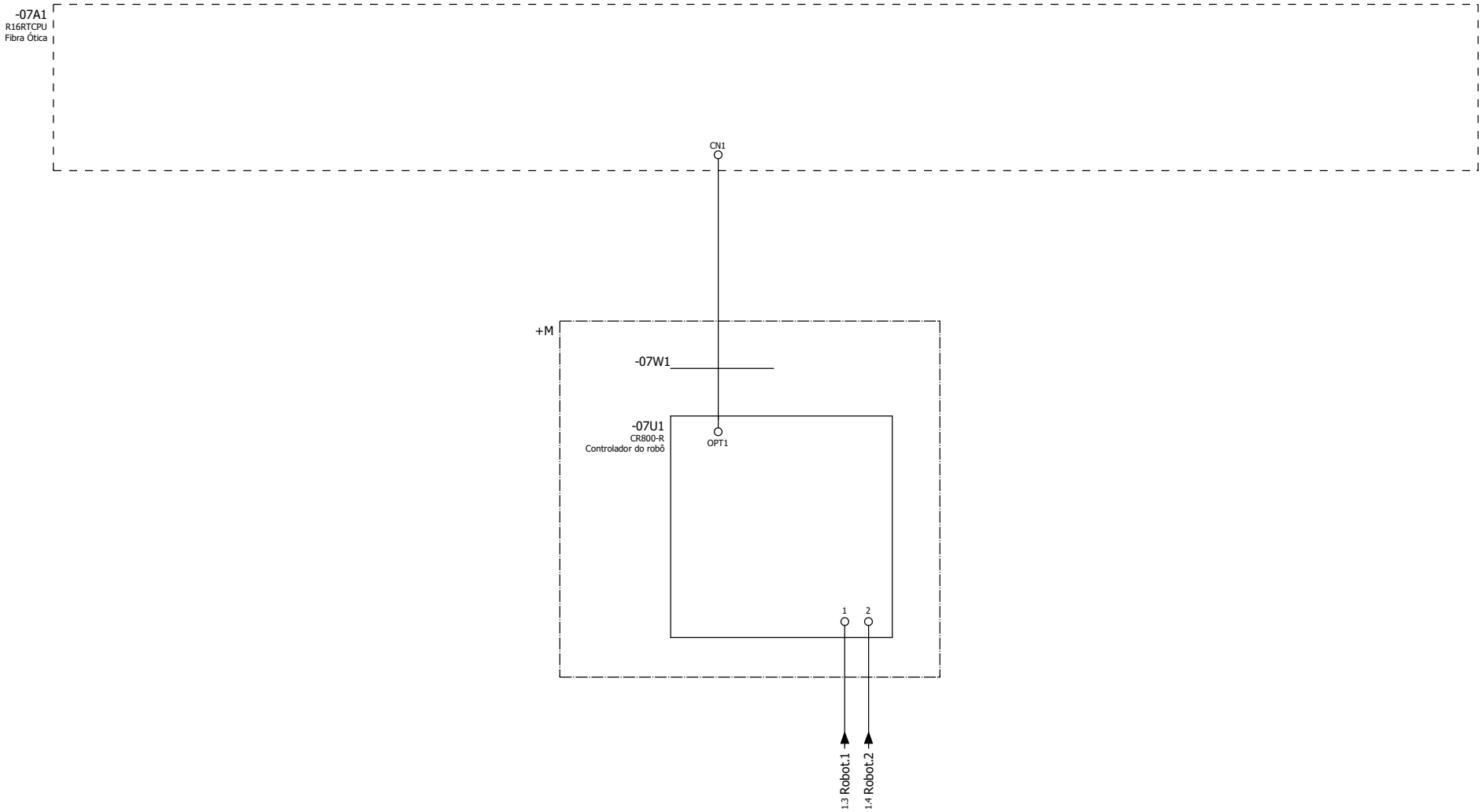


			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	CLP - Cartão de saídas		= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 5
Modification	Date	Name	Original		Replacement of	Replaced by			Page 5 / 12

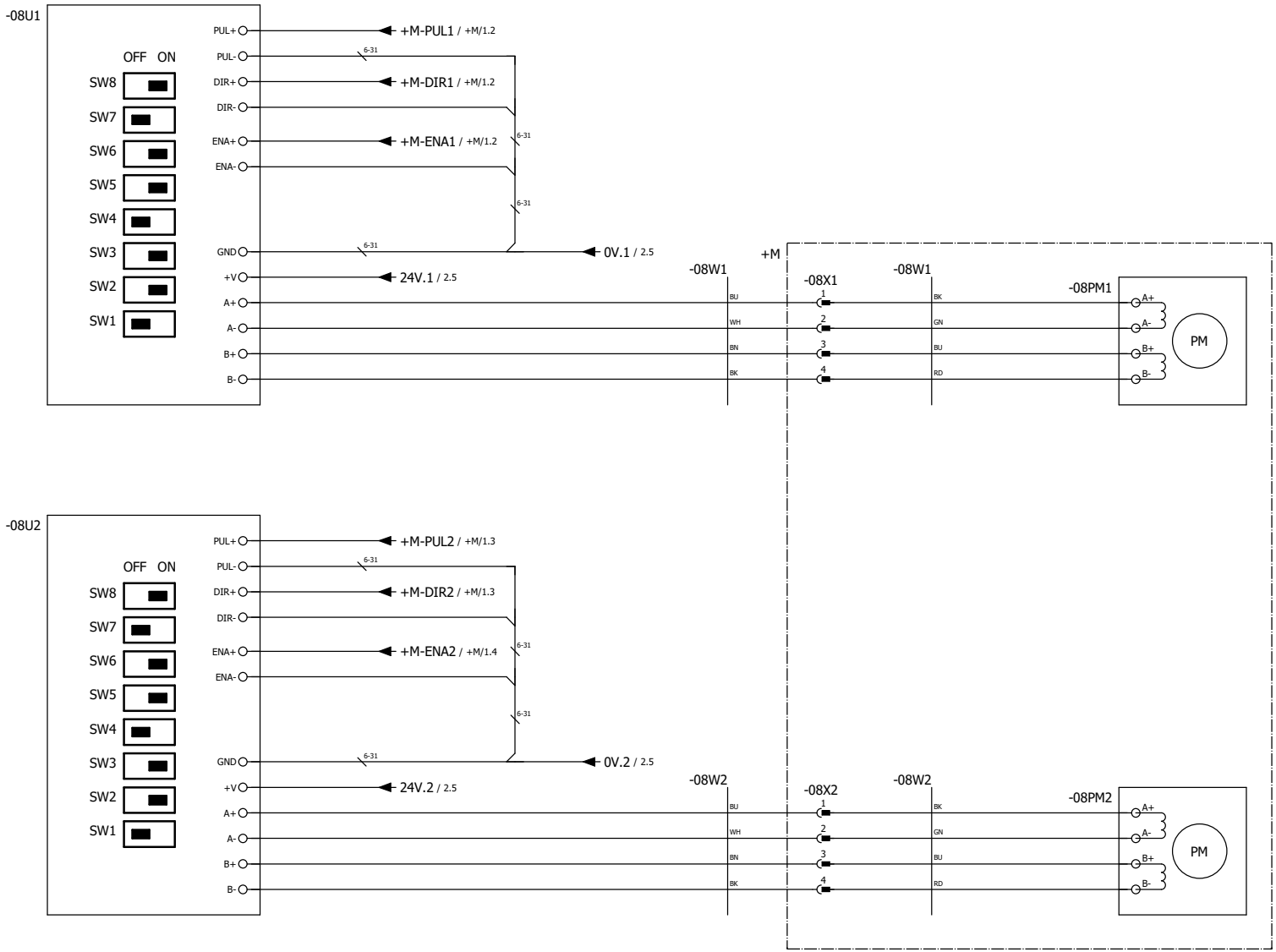


			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	CLP - REDE		= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 6
Modification	Date	Name	Original		Replacement of	Replaced by			Page 6 / 12

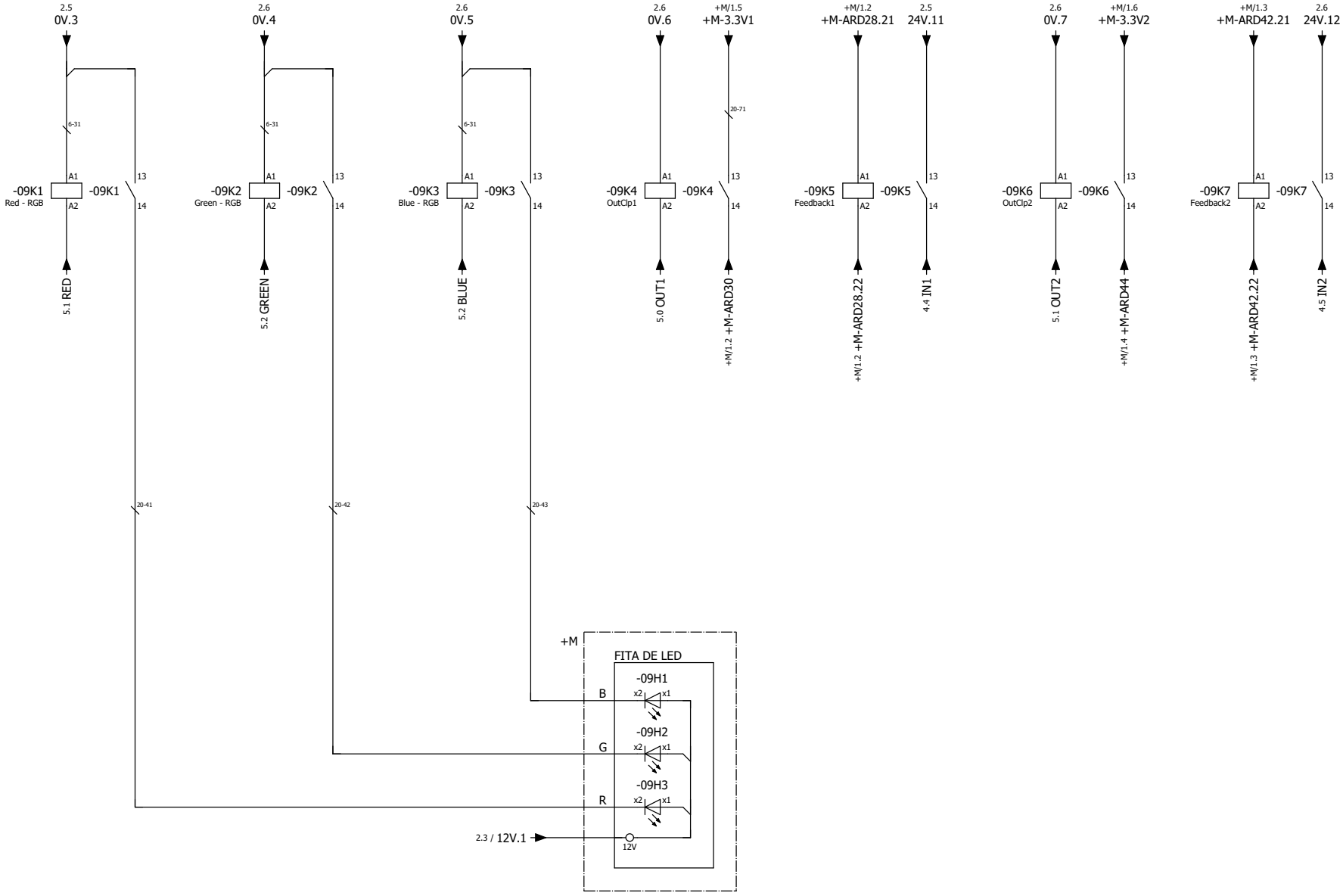
Sao Paulo



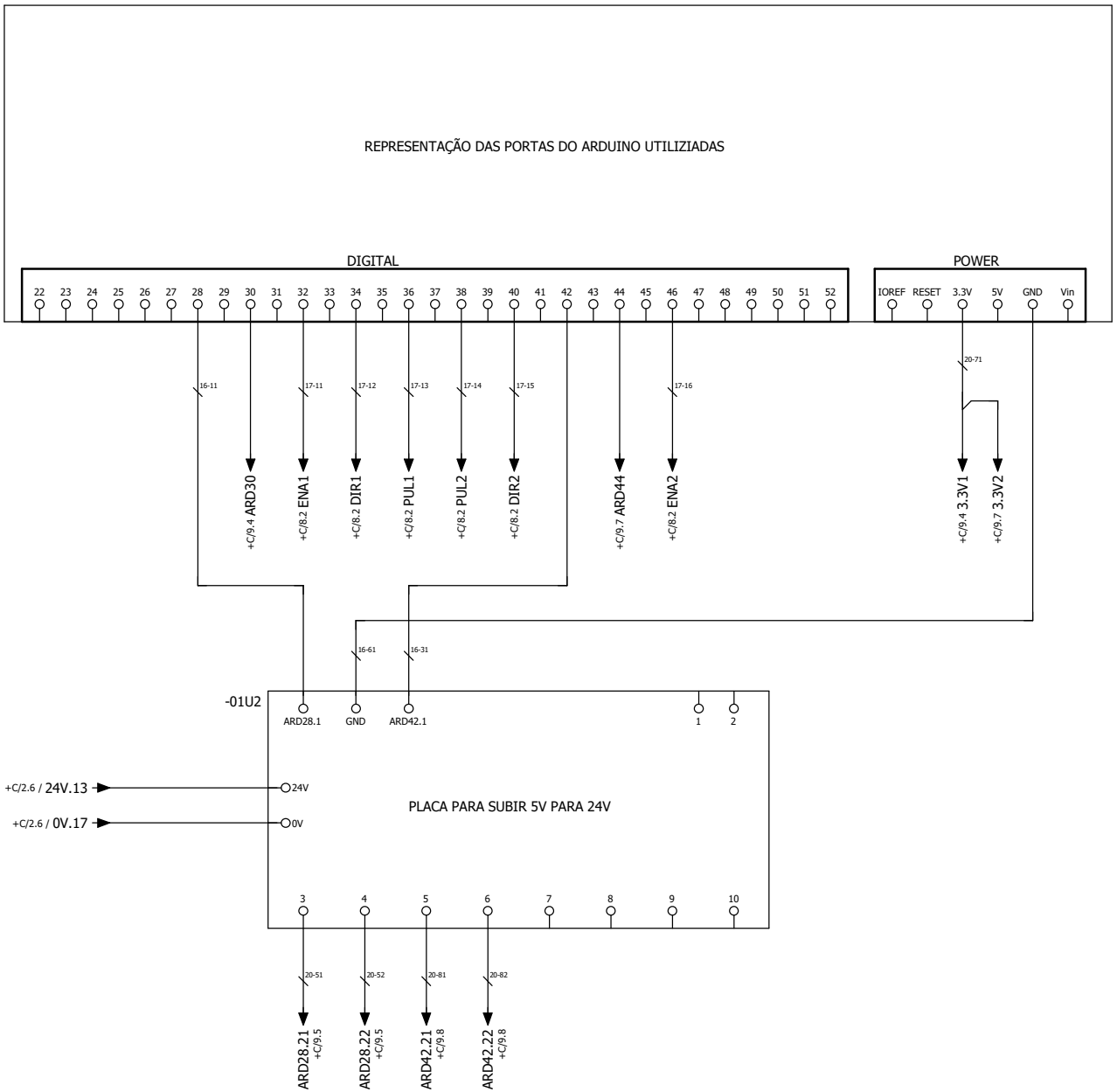
			Date	17/10/2024	EPLAN		Instituto Mauá de Tecnologia	CLP - CPU ROBÔ		= EFS
			Ed.	MPALU						+ C
			Appr.		TCC CAN01 - 2024				TCC001	Page 7
Modification	Date	Name	Original		Replacement of	Replaced by				Page 7 / 12



			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	Drivers		= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 8
Modification	Date	Name	Original		Replacement of	Replaced by			Page 8 / 12



			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	Relés		= EFS
			Ed.	MPALU					+ C
			Appr.		TCC CAN01 - 2024			TCC001	Page 9
Modification	Date	Name	Original		Replacement of	Replaced by			Page 9 / 12



+C/9

+DOC/1

			Date	17/10/2024	EPLAN		Instituto Mauá de Tecnologia	Arduino	= EFS
			Ed.	MPALU					+ M
			Appr.		TCC CAN01 - 2024			TCC001	Page 1
Modification	Date	Name	Original		Replacement of	Replaced by			Page 10 / 12

Lista de materiais

F01_TCC

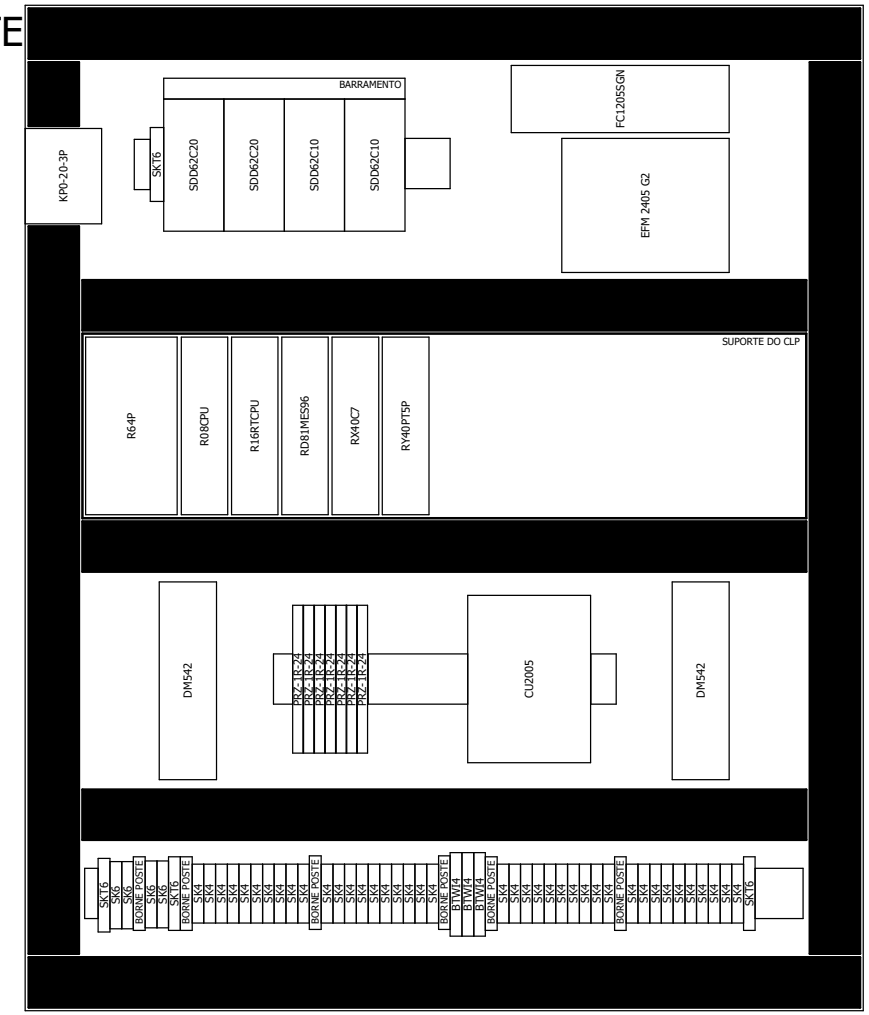
Tag do componente	Quantidade	Código	Descrição
	1	Fita de Led 12V	Fita de Led 12V
=EFS+C-03A1	1	R64P	Fonte CLP
=EFS+C-04A1	1	RX40C7	Cartão de entradas CLP
=EFS+C-05A1	1	RY40PT5P	Cartão de Saída
=EFS+C-06A1	1	RD81MES96	Cartão do MES
=EFS+C-06A2	1	R08CPU	CPU
=EFS+C-07A1	1	R16RTCPU	Módulo fibra óptica
=EFS+C-10BACKPLATE	1	Caixa de Montagem	600mmx500mmx200mm
=EFS+C-09K1	1	PRZ-1R-24	Rele de interface Metaltex
=EFS+C-09K2	1	PRZ-1R-24	Rele de interface Metaltex
=EFS+C-09K3	1	PRZ-1R-24	Rele de interface Metaltex
=EFS+C-09K4	1	PRZ-1R-24	Rele de interface Metaltex
=EFS+C-09K5	1	PRZ-1R-24	Rele de interface Metaltex
=EFS+C-09K6	1	PRZ-1R-24	Rele de interface Metaltex
=EFS+C-09K7	1	PRZ-1R-24	Rele de interface Metaltex
=EFS+C-01Q1	1	KP0-20-3P	Chave Seccionadora Tripolar
=EFS+C-01Q2	1	SDD62C20	Disjuntor Bipolar 20A
=EFS+C-01Q3	1	SDD62C20	Disjuntor Bipolar 20A
=EFS+C-01Q4	1	SDD62C10	Disjuntor Bipolar 10A
=EFS+C-01Q5	1	SDD62C10	Disjuntor Bipolar 10A
=EFS+C-06U1	1	CU2005	Switch de rede
=EFS+C-08U1	1	DM542	Driver para motor de passo
=EFS+C-08U2	1	DM542	Driver para motor de passo
=EFS+C-02V1	1	FC1205SGN	Fonte 12V 5A
=EFS+C-02V2	1	EFM 2405 G2	Fonte 24V 5A
=EFS+C-01X1	2	SK6	Borne 6mm²
=EFS+C-01X1	1	SKT6	Borne Terra 6mm²
=EFS+C-01X2	2	SK6	Borne 6mm²
=EFS+C-02X1	3	BTWI4	Borne Triplo 4mm²
=EFS+C-02X2	10	SK4	Borne 4mm²
=EFS+C-02X3	10	SK4	Borne 4mm²
=EFS+C-03X1	1	SKT6	Borne Terra 6mm²
=EFS+C-03X2	1	SKT6	Borne Terra 6mm²
=EFS+C-03X3	1	SKT6	Borne Terra 6mm²
=EFS+C-04X1	10	SK4	Borne 4mm²
=EFS+C-05X1	10	SK4	Borne 4mm²
=EFS+M-04B1	1	SOOE-BS-R-PNLK-T	Sensor Optoeletrônico Festo
=EFS+M-04B2	1	SOOE-BS-R-PNLK-T	Sensor Optoeletrônico Festo
=EFS+M-04B3	1	SOOE-BS-R-PNLK-T	Sensor Optoeletrônico Festo
=EFS+M-04B4	1	SOOE-BS-R-PNLK-T	Sensor Optoeletrônico Festo
=EFS+M-04B5	1	SOOE-BS-R-PNLK-T	Sensor Optoeletrônico Festo
=EFS+M-04B6	1	SOOE-BS-R-PNLK-T	Sensor Optoeletrônico Festo
=EFS+M-04B7	1	SOOE-BS-R-PNLK-T	Sensor Optoeletrônico Festo
=EFS+M-08PM1	1	NEMA17	Motor de passo
=EFS+M-08PM2	1	NEMA17	Motor de passo
=EFS+M-01U1	1	Arduino Mega 2560	Arduino Mega 2560
=EFS+M-01U2	1	PCB	Placa para subir 5V para 24V
=EFS+M-06U1	1	RE018	Roteador Wireless AC1200 Dual Band
=EFS+M-06U2	1	Raspberry Pi 4 Model B	Raspberry Pi 4 Model B
=EFS+M-06U3	1	Raspberry Pi 4 Model B	Raspberry Pi 4 Model B
=EFS+M-07U1	1	CR800-R	Controlador do Robô

+M1 Sao Paulo

2

			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	Lista de Materiais		= EFS
			Ed.	MPALU					+ DOC
			Appr.		TCC CAN01 - 2024			TCC001	Page 1
Modification	Date	Name	Original		Replacement of	Replaced by			Page 11 / 12

-10BACKPLATE



1 Sao Paulo

			Date	17/10/2024	EPLAN	Instituto Mauá de Tecnologia	Layout		= EFS
			Ed.	MPALU					+ DOC
			Appr.		TCC CAN01 - 2024			TCC001	Page 2
Modification	Date	Name	Original		Replacement of	Replaced by			Page 12 / 12