

Turntable carwash

Document book

0	12/2/2025	long	
REV.	DATE	NAME	CHANGES
Open Hardware Community			Long Phan
			REVISION 0
CONTRACT : longphan@ieee.org			SCHEME 01

1-Document book

Drawing	Description	Function	Location	Revision	Date	Created by	Folder	Folder description
<u>01</u>	Cover page	=F1	+L1	0	12/2/2025	long		
<u>02</u>	Drawings list	=F1	+L1	0	12/2/2025	long		
<u>03</u>	Single Line	=F1	+L1	0	12/2/2025	long		
<u>04</u>	Power	=F1	+L1	0	12/29/2025	long		
<u>05</u>	QD75D4 control	=F1	+L1	0	1/2/2026	long		
<u>06</u>	QX and QY control	=F1	+L1	0	1/2/2026	long		
<u>07</u>	Bill Of Materials grouped by manufacturer	=F1	+L1	0	1/4/2026	long		
<u>08</u>	Bill Of Materials grouped by manufacturer	=F1	+L1	0	1/4/2026	long		

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LOCATION: +L1

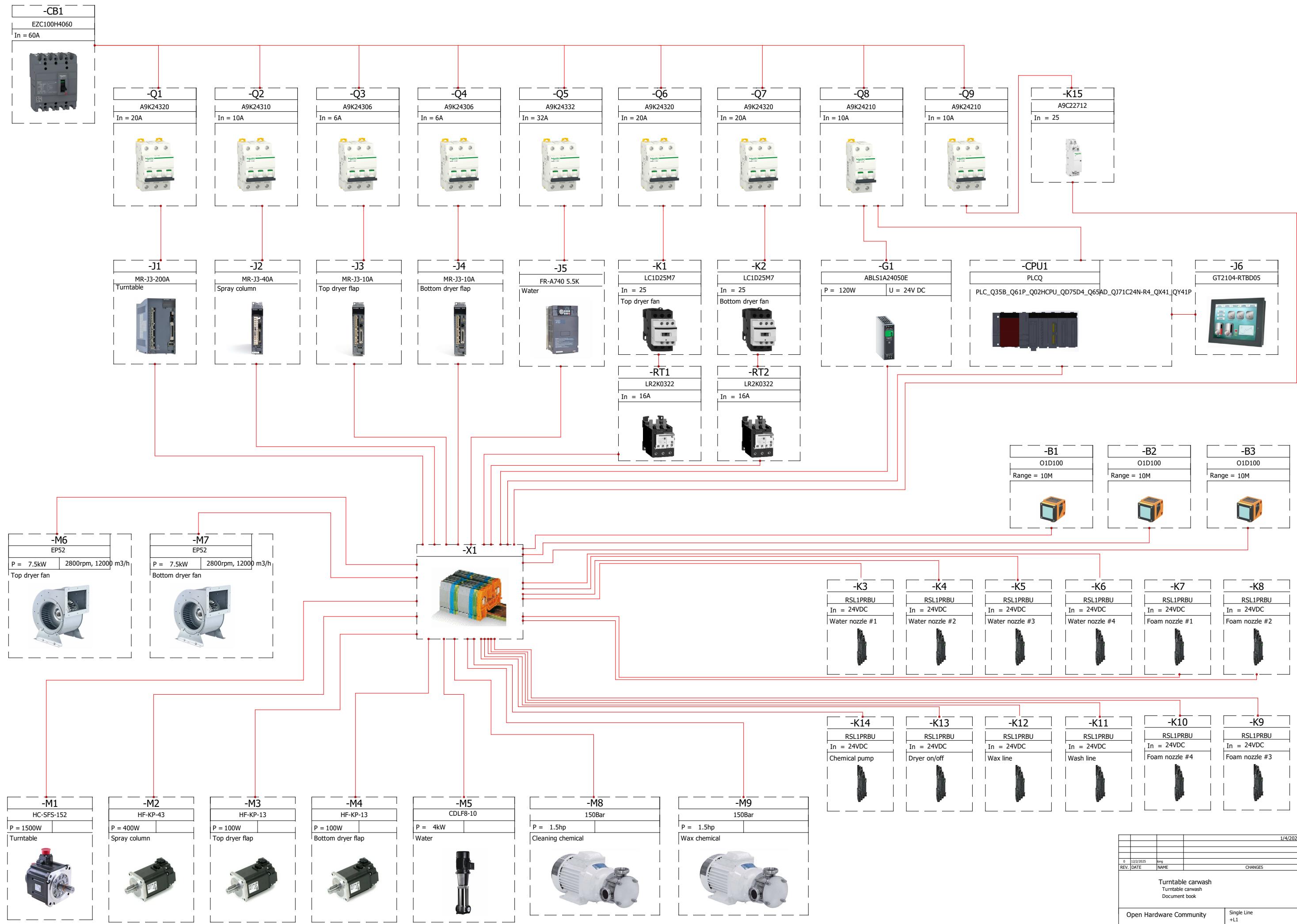
Main electrical closet

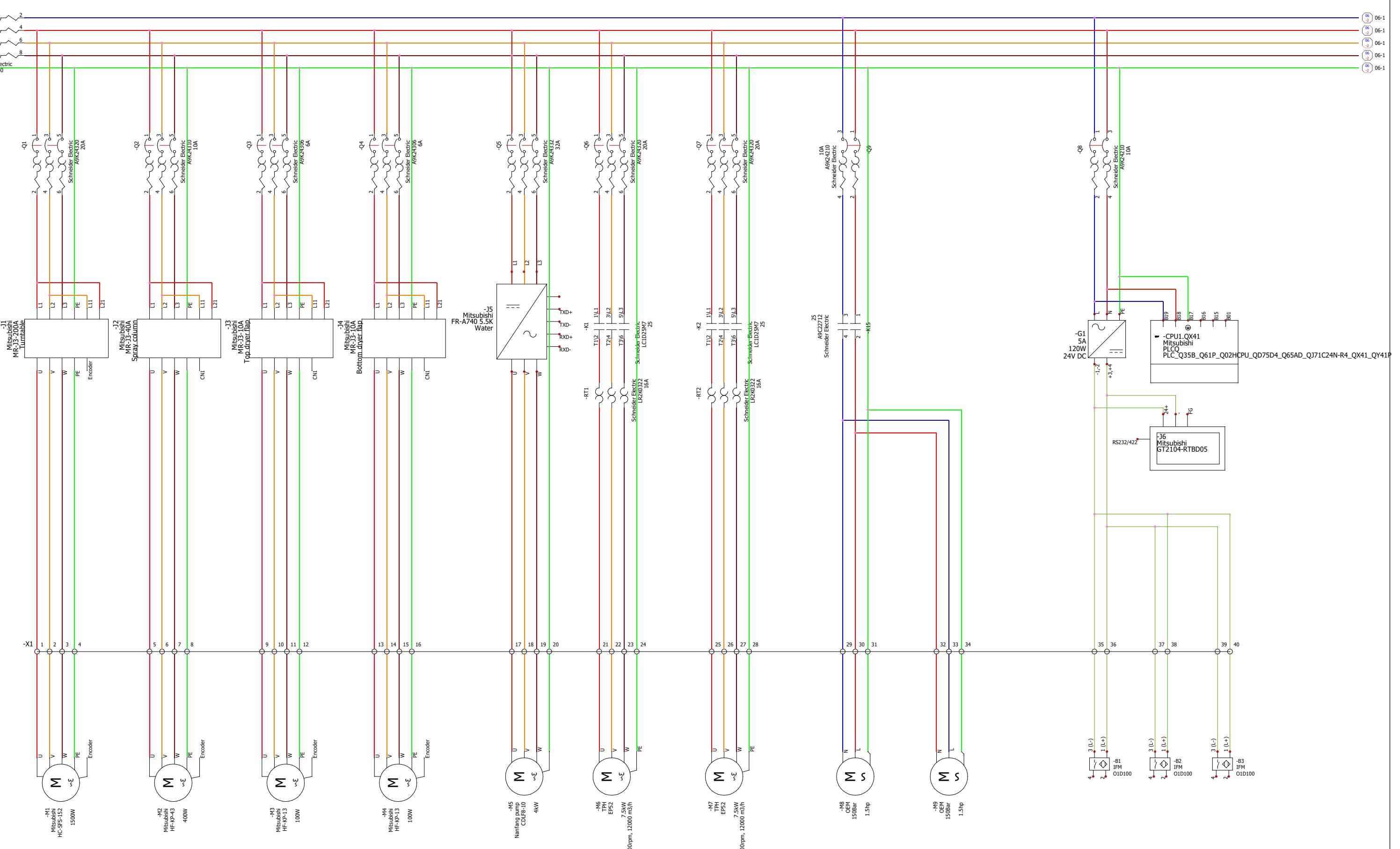
REVISION

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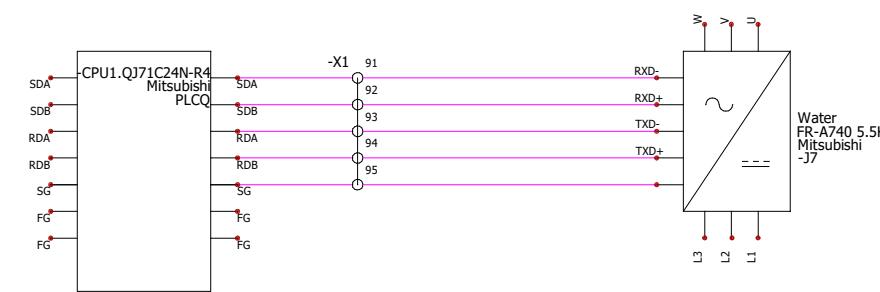
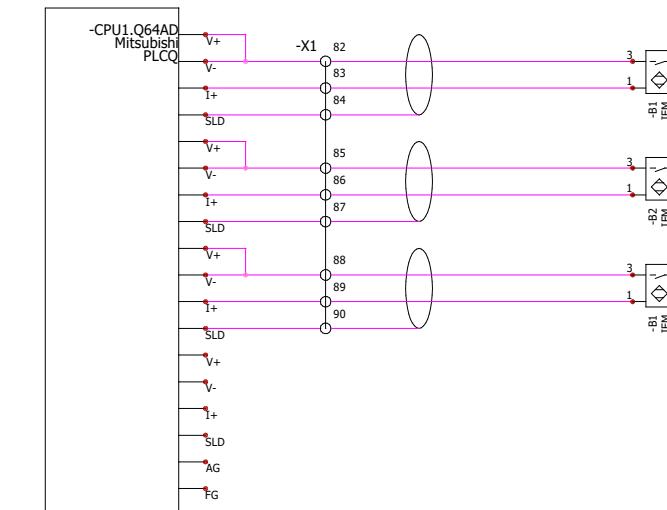
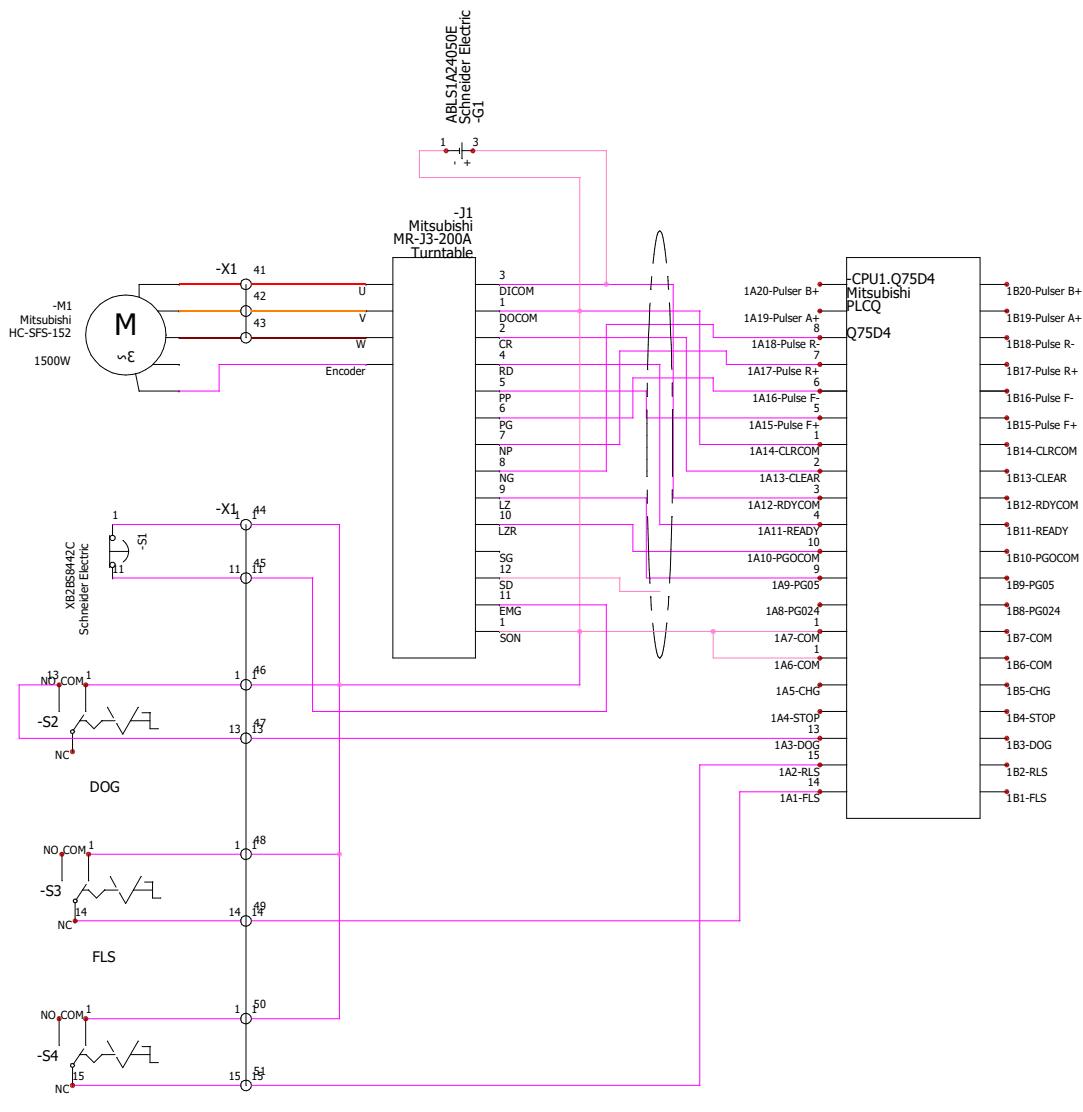
SCHEME

02



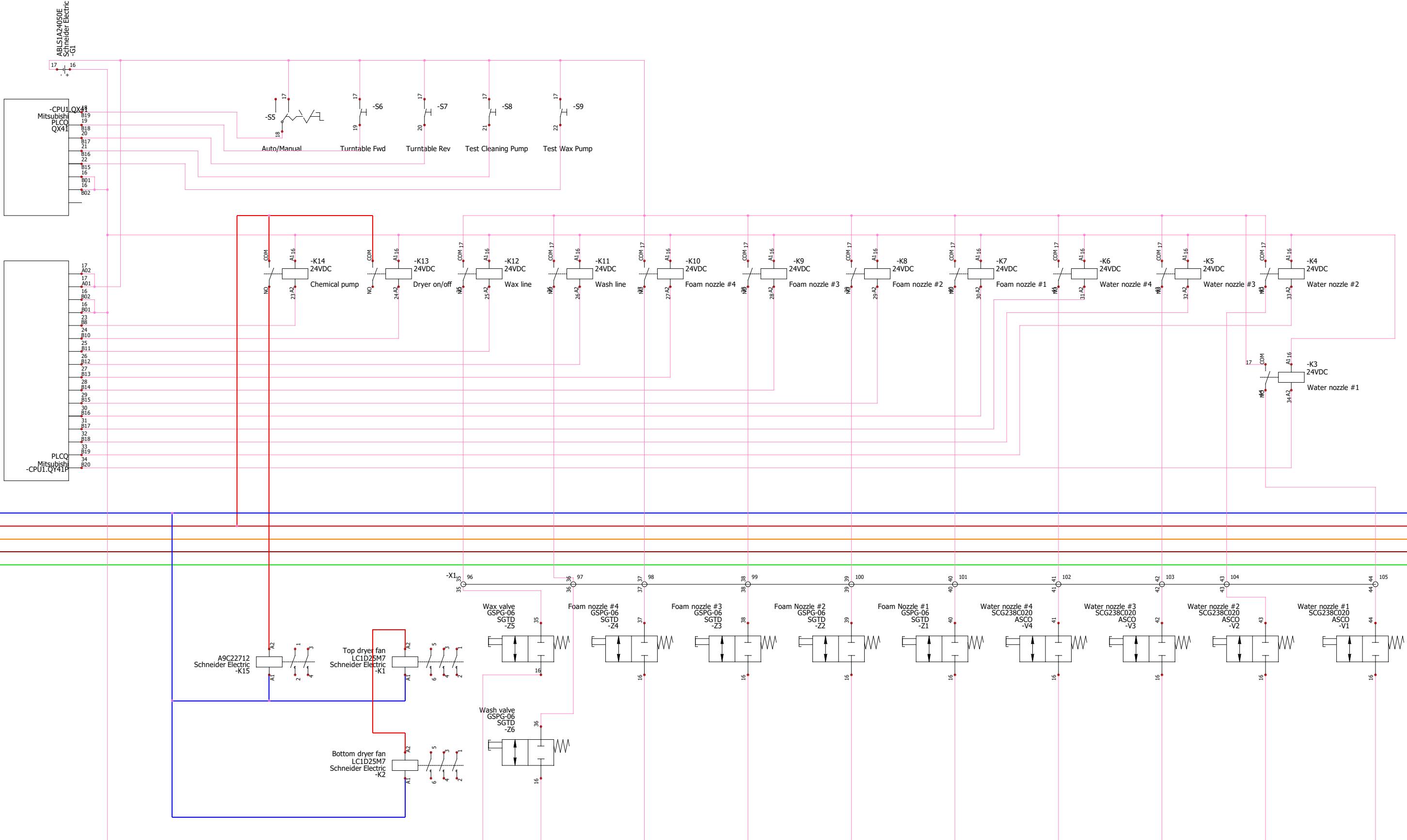


1/4/2026		
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CHANGES		
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Power +1		REVISION 0
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DRAWING 05		



Note: J2, J3 and J4 are wired the same as J1

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Open Hardware Community			QD75D4 control +L1	REVISION 05
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Open Hardware Community		QX and QY control +L1	REVISION 0
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ASCO

	Reference	Mark	Description	Quantity
1	SCG238C020	-V1, -V2, -V3, -V4	ASCO G1 1/2 Solenoid Valves	4

IFM

	Reference	Mark	Description	Quantity
1	O1D100	-B1, -B2, -B3	Laser distance sensor	3

Mitsubishi

	Reference	Mark	Description	Quantity
1	FR-A740 5.5K	-J5, -J7	FR A740 Inverter	2
2	GT2104-RTBD05	<u>-J6</u>	HMI 4.3 inch	1
3	HC-SFS-152	<u>-M1</u>	Servo Mitsubishi 1.5kW	1
4	HF-KP-13	-M3, -M4	Servo Mitsubishi 100W	2
5	HF-KP-43	<u>-M2</u>	Servo Mitsubishi 400W	1
6	MR-J3-10A	-J3, -J4	AC Servos-MELSERVO 100W	2
7	MR-J3-40A	<u>-J2</u>	AC Servos-MELSERVO 400W	1
8	MR-J3-200A	<u>-J1</u>	AC Servos-MELSERVO 2kW	1
9	PLCQ	<u>-CPU1</u>	PLC Q Q02HCPU QD75D4 Q65AD QJ71C24N-R4 QX41 QY41P	1

Nanfang pump

	Reference	Mark	Description	Quantity
1	CDLF8-10	<u>-M5</u>		1

OEM

	Reference	Mark	Description	Quantity
1	150Bar	-M8, -M9	150bar carwash pump	2

Omron

	Reference	Mark	Description	Quantity
1	V-155-1A5	-S2, -S3, -S4	Snap Action Switches	3

Schneider Electric

	Reference	Mark	Description	Quantity
1	A9C22712	<u>-K15</u>	iCT 16A 2NO 230...240V 50Hz contactor	1
2	A9K24210	-Q8, -Q9	CP 10 A, 2P	2
3	A9K24306	-Q3, -Q4	CP 6 A, 3P	2

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Main electrical closet

-> Schneider Electric

	Reference	Mark	Description	Quantity
4	A9K24310	<u>-Q2</u>	CP 10 A, 3P	1
5	A9K24320	-Q1, -Q6, -Q7	CP 20 A, 3P	3
6	A9K24332	<u>-Q5</u>	CP 32 A, 3P	1
7	AB1AA235U4GR	<u>-X1</u>		1
8	ABLS1A24050E	<u>-G1</u>	Single phase power supply, 100 to 240V AC input, 24V DC output, 120W	1
9	EZC100H4060	<u>-CB1</u>	Circuit breaker, 60A ,4 poles	1
10	LC1D25M7	-K1, -K2	Contactor, 3P(3 NO), AC-3/AC-3e, <=400V, 25A, 240V AC coil	2
11	LR2K0322	-RT1, -RT2	Thermal overload relay, TeSys K, 12...16A	2
12	RSL1PRBU	-K3, -K4, -K5, -K6, -K7, -K8, -K9, -K10, -K11, -K12, -K13, -K14	Slim interface relay	12
13	XB2BA11C	-S8, -S9	Push button	2
14	XB2BA3341C	-S6, -S7	Push button with arrow	2
15	XB2BD21C	<u>-S5</u>	Switch	1
16	XB2BS8442C	<u>-S1</u>	Emergency stop	1

SGTD

	Reference	Mark	Description	Quantity
1	GSPG-06	-Z1, -Z2, -Z3, -Z4, -Z5, -Z6	150Bar GSPG-06 2 Way High Pressure Solenoid Valve 1/4"	6

TPH

	Reference	Mark	Description	Quantity
1	EP52	-M6, -M7	10HP 2800RPM 12000 m3/h	2

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Main electrical closet

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