VENDOR/CONTRACTOR	PT TUGU SENA SINERGI Address : Taman Niaga Sukajadi, Blok C-1B, Batam, Kepulauan Riau, Indonesia 29462 Phone : +62-778-4806524 Fax : +62-778-7372014 Email : info@tuguss.com Mobile : +62-811773817 Web : www.tuguss.com	tuguss PT.TUGU SENA SINERGI

DOCUMENT TITTLE	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	PO.NO	-
		DATE	April , 05 2023
		DWG.NO	-
		REFFERENCE	-
		SHEET	32 SHEET

PROJECT TITTLE

POTTING PALLET INFEED CONVEYOR

NO	REV	DATE	DESCRIPTION	INFORMATION	
1	00	05 - APR - 2023	AS BUILD DRAWING	PREPARED BY	-
				CHECKED BY	-
				COMPANY	PT TUGU SENA SINERGI
				DEPARTMENT	ENGINEERING
				CLIENT	PT PCI ELEKTRONIK INDONESIA

DRAFTER	DESIGNER	MANAGER	USER	MANAGER
PT TUGU SENA SINERGI			PT PCI ELEKTRONIK BATAM	

NO	DESCRIPTION	SHEET NO.
1	FRONT COVER	1
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19	OUTPUT MAIN PLC	21
20	OUTPUT PLC CONFIGURATION	22
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24	JUNCTION BOX LIST	26
25	CONTROL & SIGNALING	27-29
26	POWER DISTRIBUTION	30
27	PNEUMATIC DIAGRAM A	31
28	PNEUMATIC DIAGRAM B	32

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	TABLE OF CONTENT			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI. MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	2 OF 32

ELECTRICAL SPECIFICATION INFORMATION :

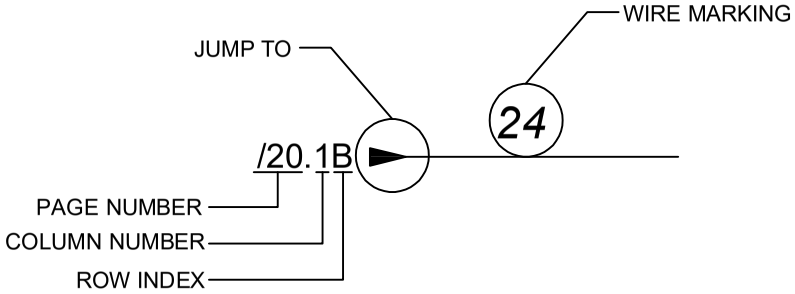
MACHINE NAME	POTTING PALLET INFEED CONVEYOR
MAIN SUPPLY VOLTAGE	220-230 VAC
FREQUENCY	50 Hz
MAIN CIRCUIT BREAKER TYPE	RCCB
RATING OF MAIN CIRCUIT BREAKER	40A / 30mA
OPERATING VOLTAGE	220 VAC
	24 VDC

WIRING SPECIFICATION INFORMATION :

AC 1 PHASE WIRE	
SIZE	1.5 - 2.5 sqmm
COLOR	L = BROWN
	N = BLUE
	⏚ = GND

DC WIRE	
SIZE	0.3 - 1 sqmm
COLOR	24V = RED
	0V = BLUE
	SIGNAL = YELLOW

HOW TO READ THE WIRING DIAGRAMS



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			CHKD.BY	ZULIS	SCALE	NTS				
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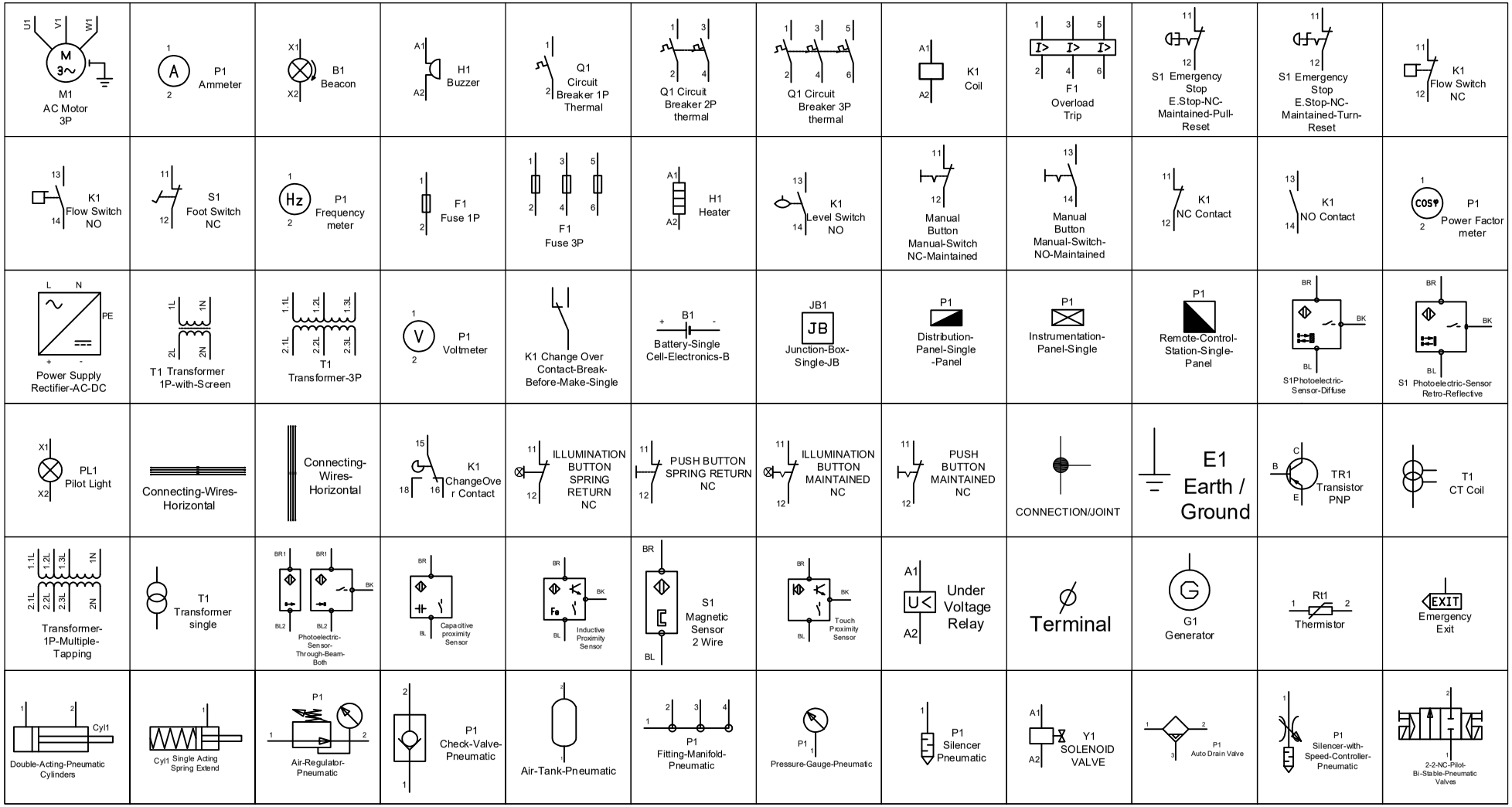

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			CHKD.BY	ZULIS	SCALE	NTS			
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
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NO	ABBREVIATION & INFORMATION		NO	ABBREVIATION & INFORMATION		NO	ABBREVIATION & INFORMATION		NO	ABBREVIATION & INFORMATION
1	SUTET = Saluran Udara Tegangan Extra Tinggi		26	E = Earth		51	%I0..... = Input PLC Address		76	DDO = Digital Discrete Output
2	SUTT = Saluran Udara Tegangan Tinggi		27	A = Ampere		52	%Q0..... = Output PLC Address		77	E-HUB = Ethernet Hub
3	SUTM = Saluran Udara Tegangan Menengah		28	H = Hertz (frequency)		53	%I1..... = Input PLC Address Expansion 1		78	Prox.Sensor = Proximity Sensor
4	SUTR = Saluran Udara Tegangan Rendah		29	K = Coil Contact		54	%Q1..... = Output PLC Address Expansion 2		79	Photo-E Sensor = PhotoElectric Sensor
5	GTT = Gardu Tiang Trafo		30	JB = Junction Box		55	COM = Common Input		80	CP = Control Panel
6	LA = Lighting Arrester		31	L = Phase		56	LED = Light Emitting Diode		81	MDB = Main Distribution Board
7	CO = Cut Out		32	N = Neutral		57	ELMOT = Electric Motor		82	LVMDP = Low Voltage Main Distribution Panel
8	CB = Circuit Breaker		33	L1 = Phase 1		58	NO = Normally Open		83	MVMDP = Medium Voltage Main Distribution Panel
9	MCB = Miniatur Circuit Breaker		34	L2 = Phase 2		59	NC = Normally Closed		84	HVMDP = High Voltage Main Distribution Panel
10	ELCB = Earth Leakage Circuit Breaker		35	L3 = Phase 3		60	N/C = Not Connected		85	HVMDP = High Voltage Main Distribution Panel
11	APP = Alat Pengukur dan Pembatas		36	N1 = Neutral 1		61	NA = Not Available		86	C = Capasitor
12	PHB = Papan Hubung Bagi		37	Cyl = Cylinder		62	F = Frequency		87	R = Resistor
13	GW = Ground Wire		38	Sol = Solenoid		63	RPM = Rotation Perminute		88	HMI = Human Machine Interface
14	PLC = Programmable Logic Controller		39	SV = Solenoid Valve		64	CT = Current Transformer		89	UHT - Unit Hardware Test
15	APD = Alat Pelindung Diri		40	SV = Solenoid Valve		65	ECHA = Equipment Certified Hazardous Area		90	DUT = Dummy Under Test
16	APAR = Alat Pemadam Api Ringan		41	Q = MCB		66	ELCB = Earth Leakage Circuit Breaker		91	V = Volt
17	HAKIT = Himpunan Ahli Pembangkit		42	PSU = Power Supply		67	ELR = Earth Leakage Relay		92	AWG = American Wire Gauge
18	IATKI = Ikatan Ahli Teknik Kelistrikan Indonesia		43	MCB = Mini Circuit Breaker		68	OCR = Overcurrent Relay		93	JIS = Japan International Standart
19	PJB = Pembangkit Jawa Bali		44	H1 = Indicator Lamp		69	T = Transformer		94	NEMA = National Enviromental Management Authority
20	P3JB = Penyaluran dan Pusat Pengatur Beban Jawa Bali		45	X = Terminal Connection		70	MCCB = Moulded Chase Circuit Breaker		95	EIC = Electrotechnical International Comission
21	PUIL = Peraturan Umum Instalasi Listrik		46	ES = Emergency Stop		71	OL = Overload		96	Cu = Cooper
22	SNI = Standar Nasional Indonesia		47	PLC = Programmable Logic Controller		72	TOR = Thermal Overload Relay		97	AL = Aluminium
23	AC = Alternating Current		48	R1 = Relay		73	3P = 3 Phase		98	KWH = KiloWatt Hour
24	DC = Direct Current		49	SW = Switch		74	1P = 1 Phase		99	A/D = Analog to Digital
25	GND = Ground		50	PB = Push Button		75	DDI = Digital Discrete Input		100	ACB = Air Circuit Breaker

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	ABBREVIATION & OTHER INFORMATION			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
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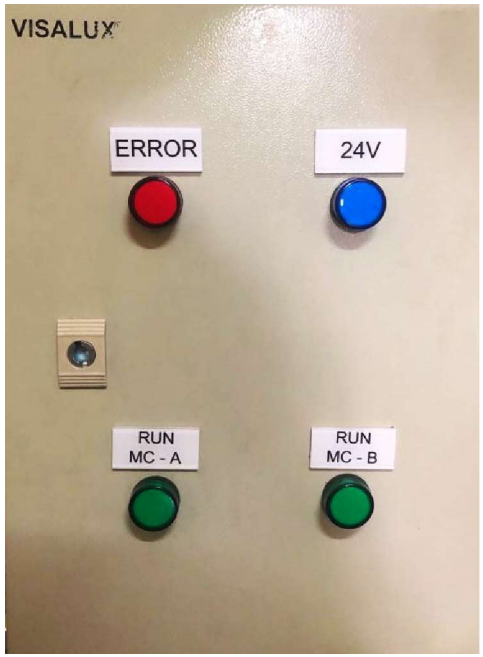
MAIN PANEL
(FRONT VIEW)



SUB PANEL
(FRONT VIEW)

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	GENERAL ARRANGEMENT MACHINE			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
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A = ELCB

B = MCB PLC

C = MCB PSU

D = MCB DRIVER MOTOR

E = RELAY MOTOR

F = TERMINAL BLOCK

G = RELAY POWER 24VDC

H = TERMINAL BLOCK POWER 24 VDC

I = PSU

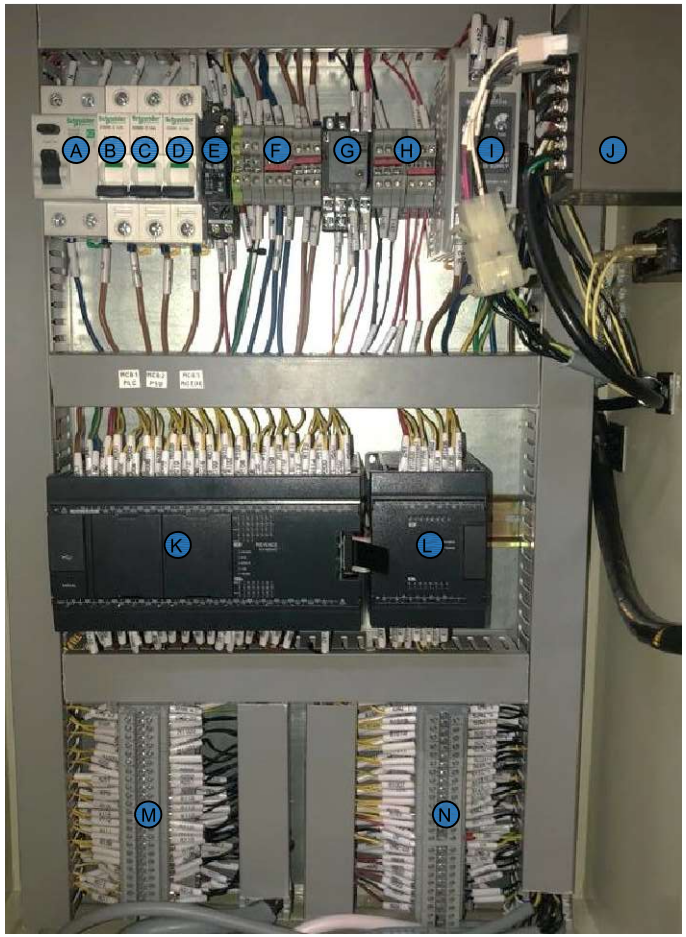
J = DRIVER MOTOR

K = PLC

L = EKSPANSI PLC

M = TERMINAL BLOCK A

N = TERMINAL BLOCK B



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			DSG.BY		DATE	05 APR 2023				
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : PSU : Power Supply ELCB : Earth Leakage Circuit Braker MCB : Miniature Circuit Breaker PLC : Programmable Logic Controller	REV	FOR	SHEET
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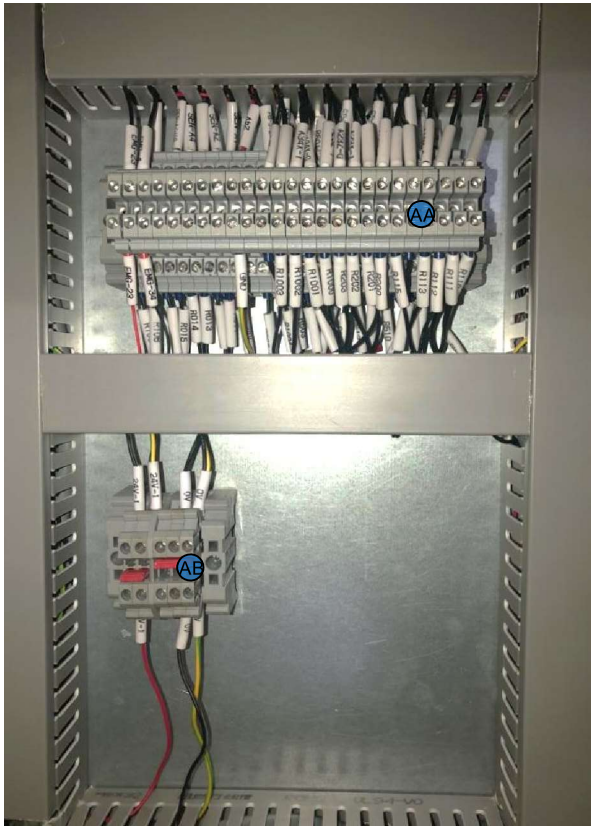
AA = TERMINAL BLOCK A

AB = TERMINAL BLOCK B



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			CHKD.BY	ZULIS	SCALE	NTS				
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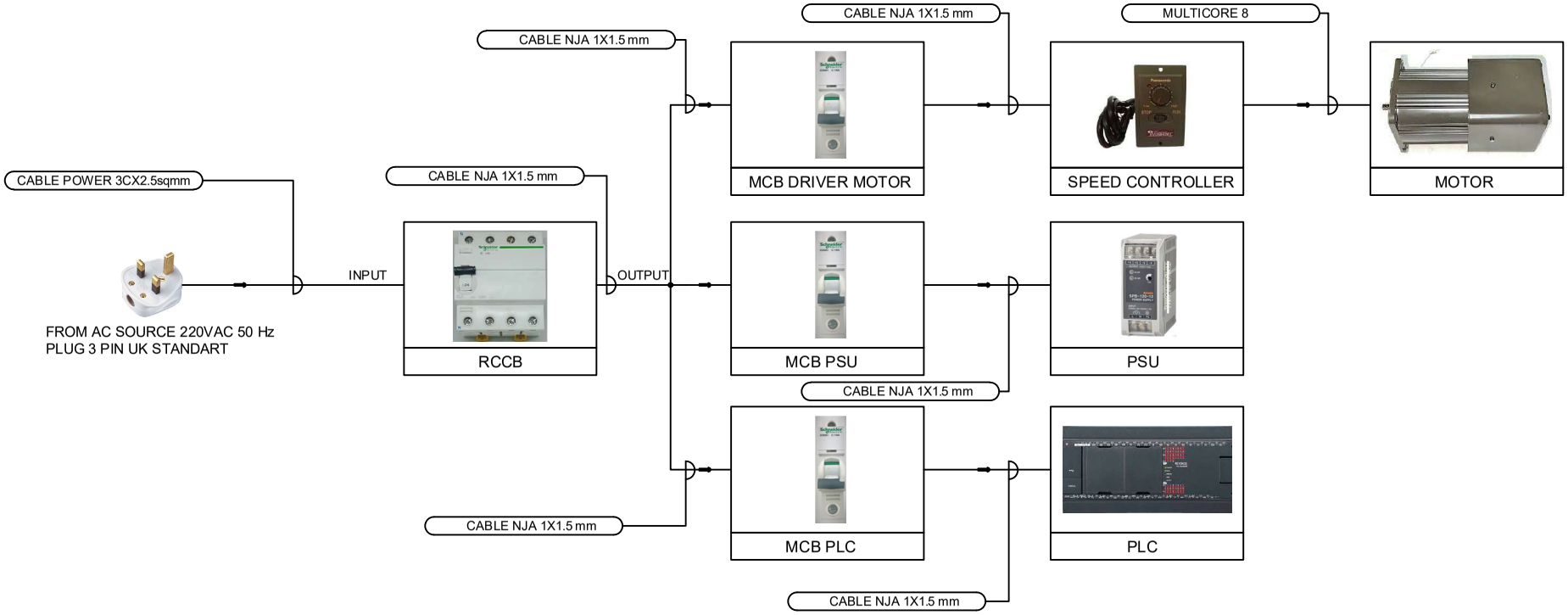

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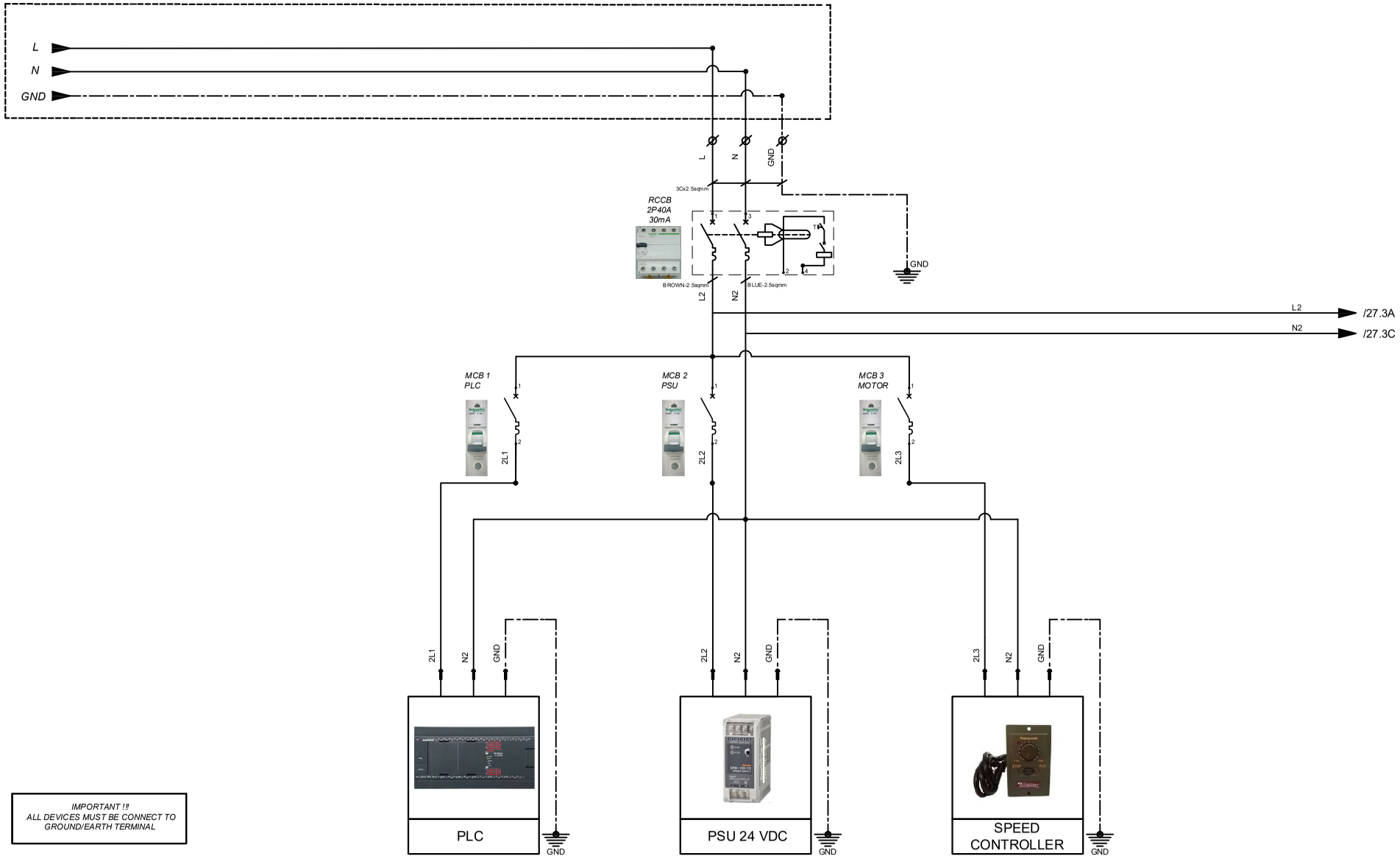

IMPORTANT !!
ALL DEVICES MUST BE CONNECT TO GROUND/EARTH TERMINAL

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE		
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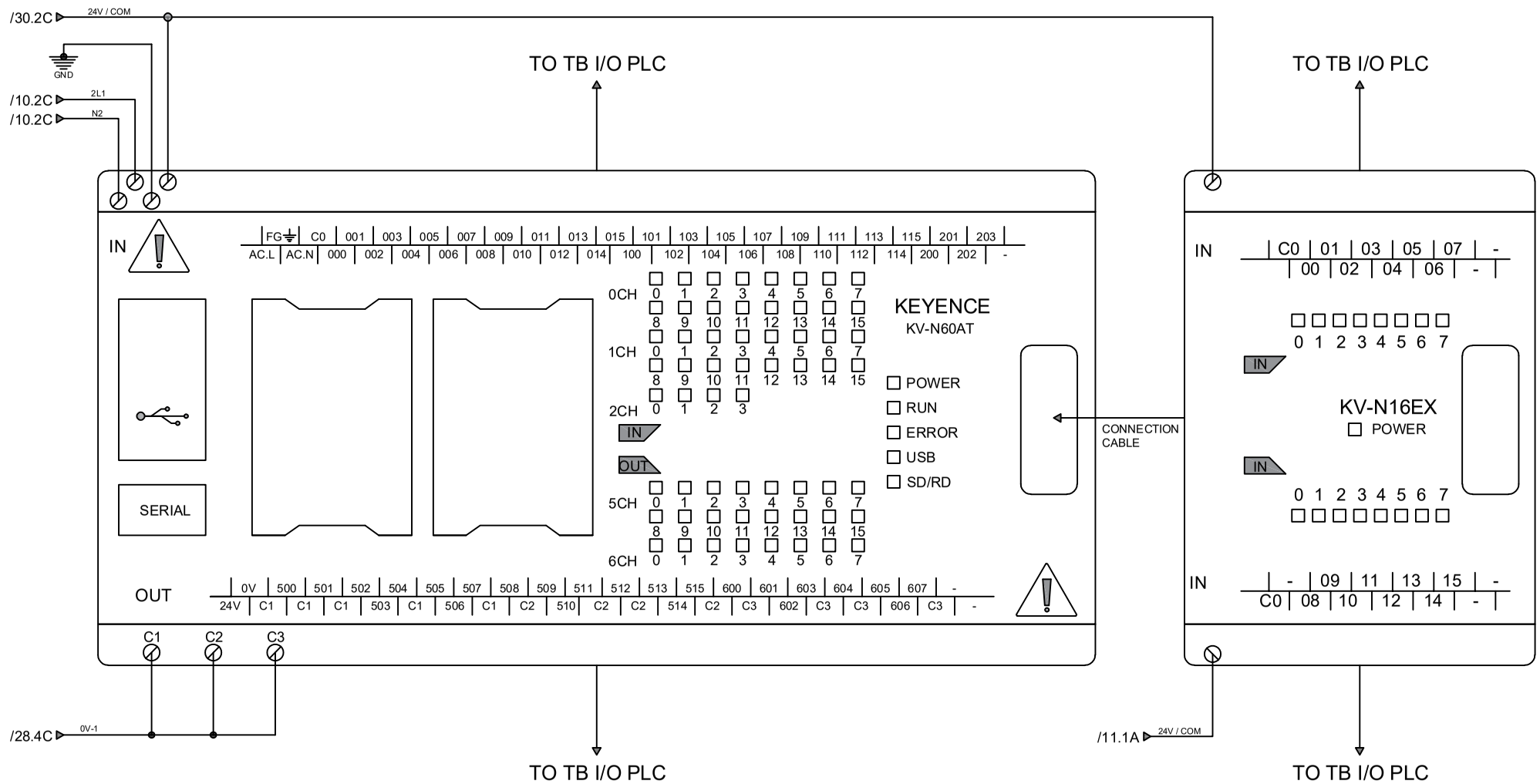

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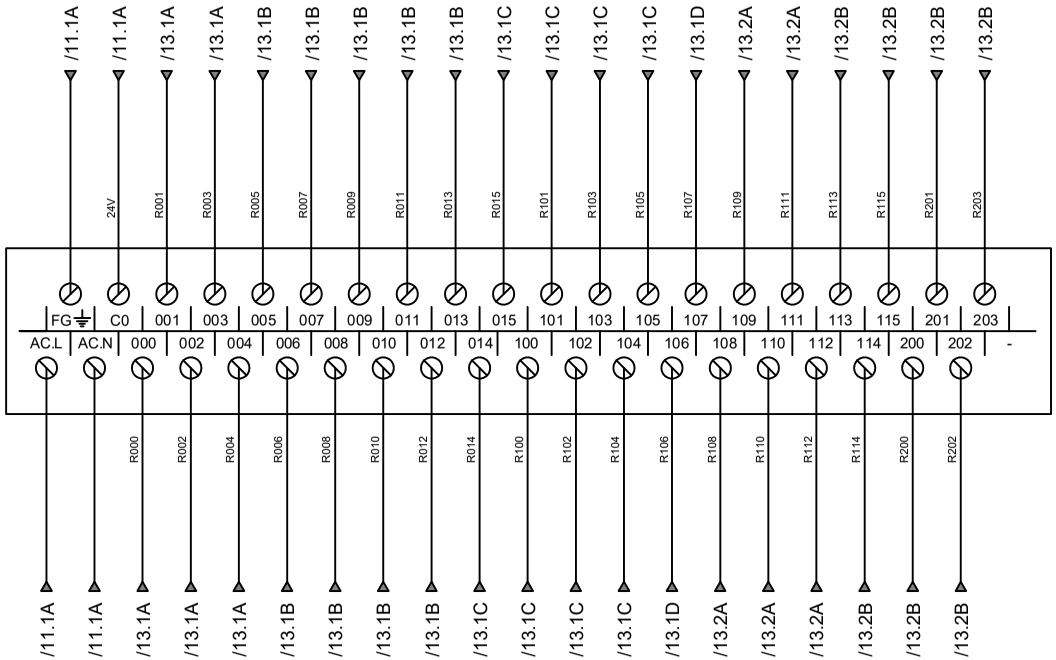

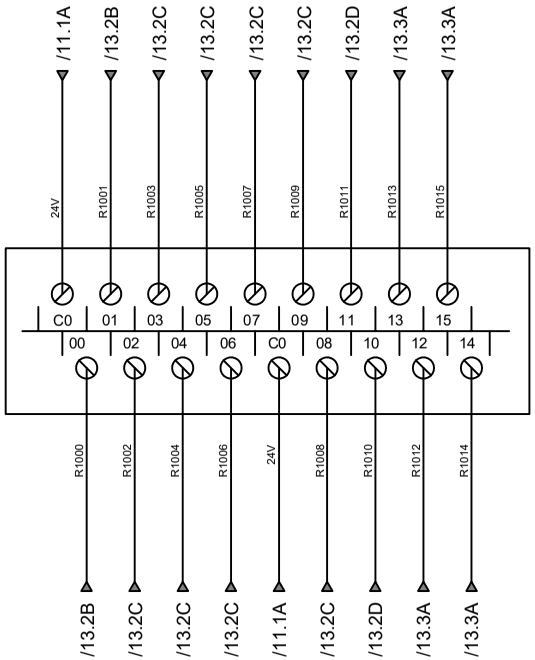

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			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : MC = MULTICORE JB = JUNCTION BOX	REV	FOR	SHEET
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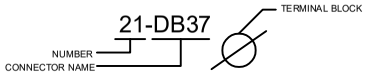
HOW TO READ THE WIRING DIAGRAMS



/12.1C	R000	AWG24	/28.1A
/12.1B	R001	AWG24	/27.1A
/12.1C	R002	AWG24	/27.1A
/12.1B	R003	AWG24	/27.1A
/12.1C	R004	AWG24	/27.2A
/12.1B	R005	AWG24	/27.2A
/12.1C	R006	AWG24	/27.2A
/12.1B	R007	14-MC42	/14.2A
/12.1C	R008	15-MC42	/14.2A
/12.1B	R009	6-MC8	/JB3B & /20.3C
/12.1C	R010	5-MC8	/JB3B & /20.3C
/12.1B	R011	18-MC42	/14.2A
/12.1C	R012	19-MC42	/14.2A
/12.2B	R013	20-MC42	/14.2A
/12.2C	R014	21-MC42	/14.2A
/12.2B	R015	22-MC42	/14.2B
/12.2C	R100	7-MC10	/JB1B & /18.3C
/12.2B	R101	2-MC10	/JB2B & /19.2C
/12.2C	R102	3-MC10	/JB2B & /19.2C
/12.2B	R103	4-MC10	/JB2B & /19.3C
/12.2C	R104	1-MC10	/JB2B & /19.1C
/12.2B	R105	23-MC42	/14.2B
/12.2C	R106	24-MC42	/14.2B
/12.2B	R107	4-MC8	/JB3B & /20.3C
/12.2C	R108	1-MC10	/JB1B & /18.1C
/12.2B	R109	25-MC42	/14.2B
/12.2C	R110	26-MC42	/14.2B
/12.2B	R111	27-MC42	/14.2B
/12.2C	R112	28-MC42	/14.2B
/12.2B	R113	29-MC42	/14.2B
/12.2C	R114	30-MC42	/14.2B
/12.2B	R115	31-MC42	/14.2C
/12.2C	R200	32-MC42	/14.2C
/12.2B	R201	33-MC42	/14.2C
/12.2C	R202	34-MC42	/14.2C
/12.2B	R203	35-MC42	/14.2C
/12.3C	R1000	36-MC42	/14.2C
/12.3B	R1001	37-MC42	/14.2C
/12.3C	R1002	38-MC42	/14.2C
/12.3B	R1003	39-MC42	/14.2C
/12.3C	R1004	40-MC42	/14.2D
/12.3B	R1005	5-MC10	/JB1B & /18.3C
/12.3C	R1006	4-MC10	/JB1B & /18.2C
/12.3B	R1007	3-MC10	/JB1B & /18.2C
/12.3C	R1008	2-MC10	/JB1B & /18.2C
/12.3B	R1009	5-MC10	/JB2B & /19.3C
/12.4C	R1010	6-MC10	/JB2B & /19.3C
/12.4B	R1011	7-MC10	/JB2B & /19.4C
/12.4C	R1012	8-MC10	/JB2B & /19.4C
/12.4B	R1013	1-MC8	/JB3B & /20.2C
/12.4C	R1014	2-MC8	/JB3B & /20.2C
/12.4B	R1015	3-MC8	/JB3B & /20.2C

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	INPUT PLC & EXPANSION CONFIGURATION
			CHKD.BY	ZULIS	SCALE	NTS	
			APVD.BY	DENY	PROJ	N/A	

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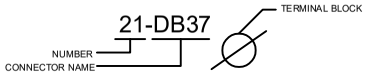
NOTES :
MC = MULTICORE
JB = JUNCTION BOX

REV	FOR	SHEET
00	A4	13 OF 32

HOW TO READ THE WIRING DIAGRAMS



R007/13.1B	14-MC42	6-MC8	/JB2A & /16.3C
R008/13.1B	15-MC42	5-MC8	/JB2A & /16.3C
R011/13.1B	18-MC42	8-MC10	/JB1A & /15.4C
R012/13.1B	19-MC42	2-MC10	/JB3A & /17.2C
R013/13.1B	20-MC42	3-MC10	/JB3A & /17.2C
R014/13.1C	21-MC42	4-MC10	/JB3A & /17.3C
R015/13.1C	22-MC42	1-MC10	/JB3A & /17.1C
R105/13.1C	23-MC42		/SPARE N.C
R106/13.1D	24-MC42	1-MC10	/JB1A & /15.2C
R109/13.2A	R109		/SPARE N.C
R110/13.2A	R110	7-MC10	/JB1A & /15.3C
R111/13.2A	R111		/SPARE N.C
R112/13.2A	R112	6-MC10	/JB1A & 15.3C
R113/13.2B	29-MC42	5-MC10	/JB1A & /15.3C
R114/13.2B	30-MC42	4-MC10	/JB1A & /15.2C
R115/13.2B	31-MC42	3-MC10	/JB1A & /SPARE N.C
R200/13.2B	32-MC42	2-MC10	/JB1A & /15.2C
R201/13.2B	33-MC42	1-MC8	/JB2A & /16.2C
R202/13.2B	34-MC42	2-MC8	/JB2A & /16.2C
R203/13.2B	35-MC42	4-MC8	/JB2A & /16.3C
R1000/13.2B	36-MC42	3-MC8	/JB2A & /16.2C
R1001/13.2B	37-MC42	5-MC10	/JB3A & /17.3C
R1002/13.2C	38-MC42	6-MC10	/JB3A & /17.3C
R1003/13.2C	39-MC42	7-MC10	/JB3A & /17.4C
R1004/13.2C	40-MC42	8-MC10	/JB3A & /17.4C

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	INPUT PLC & EXPANSION CONFIGURATION
			CHKD.BY	ZULIS	SCALE	NTS	
			APVD.BY	DENY	PROJ	N/A	

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NOTES :
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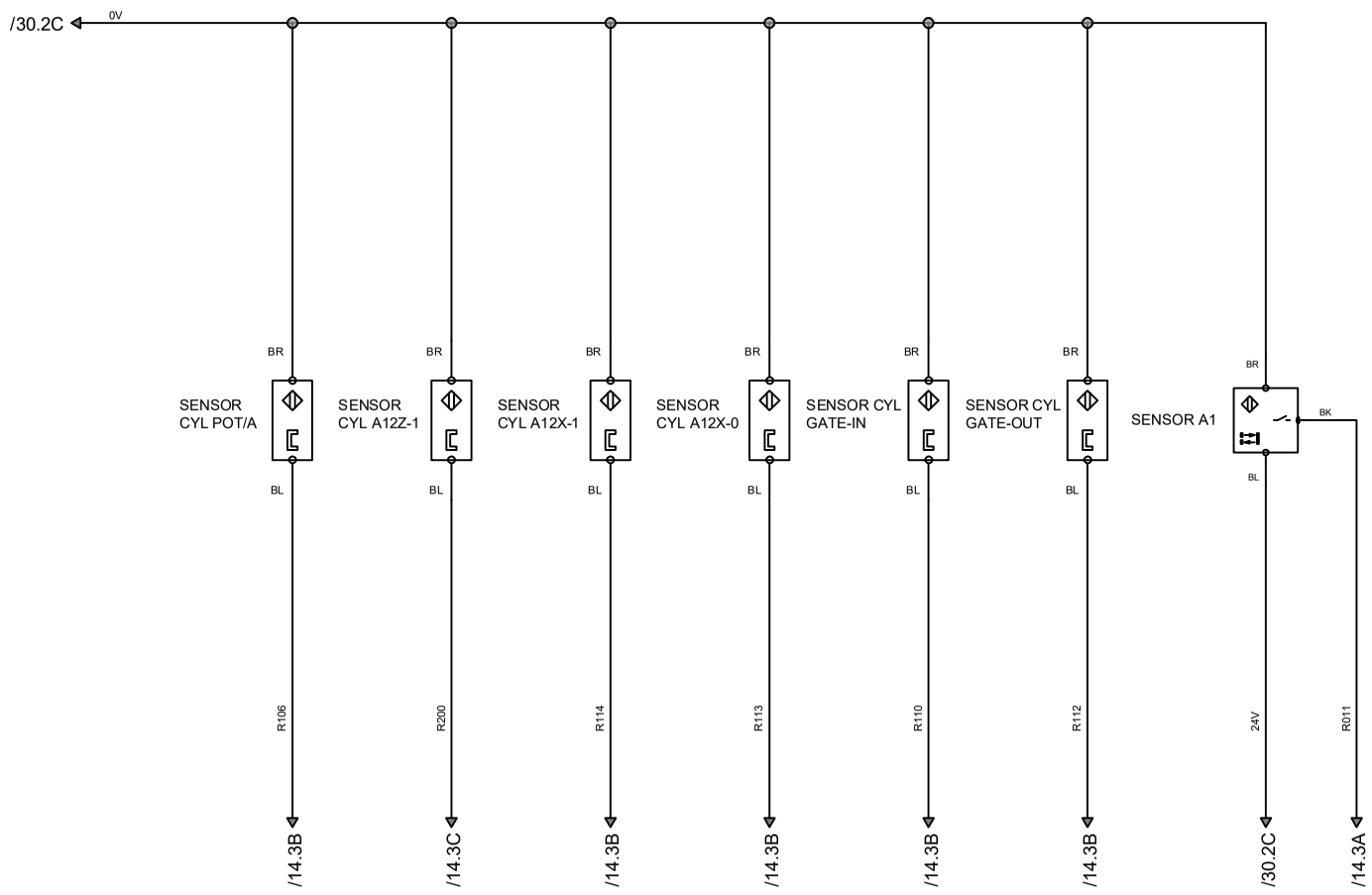
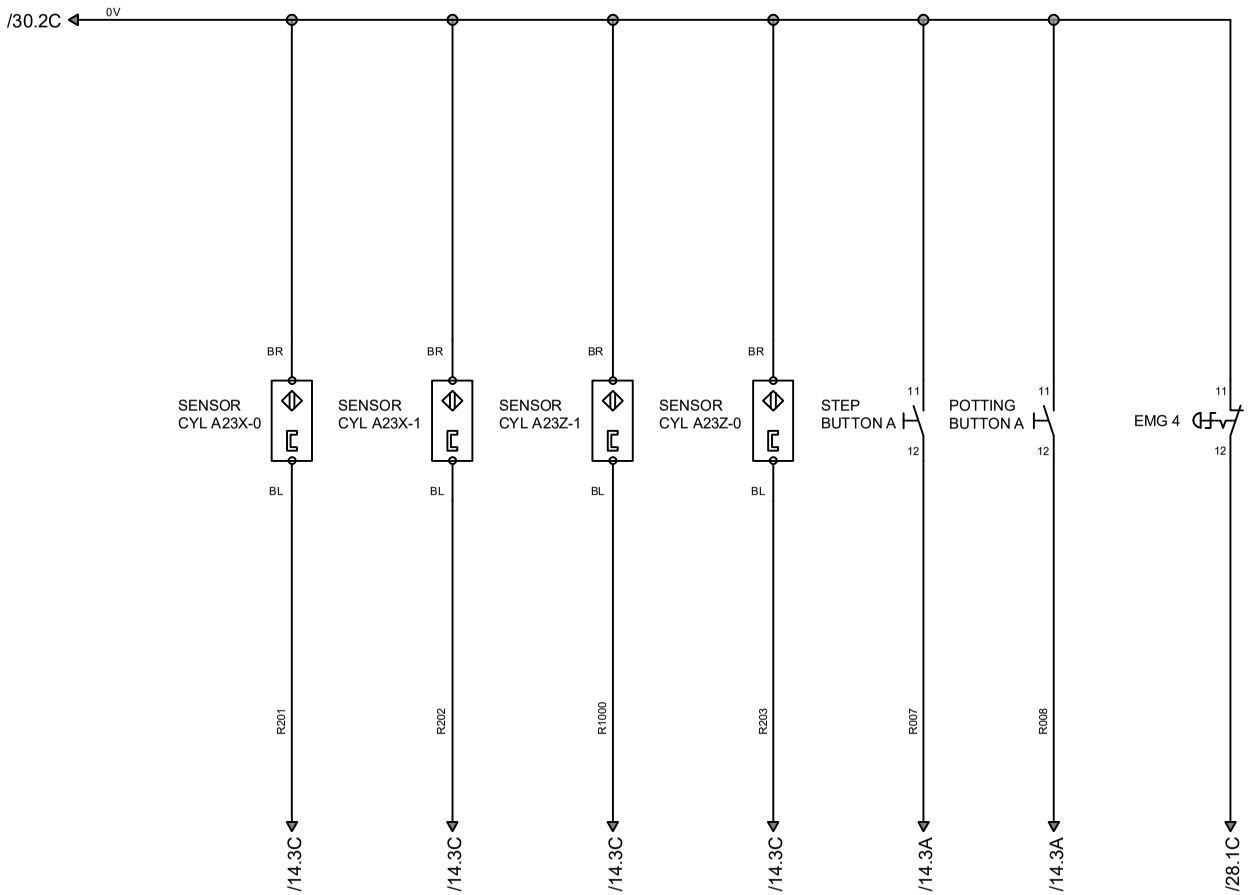
REV	FOR	SHEET
00	A4	14 OF 32



VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	JUNCTION BOX CONFIGURATION-JB1A			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : MC = MULTICORE JB = JUNCTION BOX	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI, MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	15 OF 32



VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	JUNCTION BOX CONFIGURATION-JB2A
			CHKD.BY	ZULIS	SCALE	NTS	
			APVD.BY	DENY	PROJ	N/A	

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NOTES :
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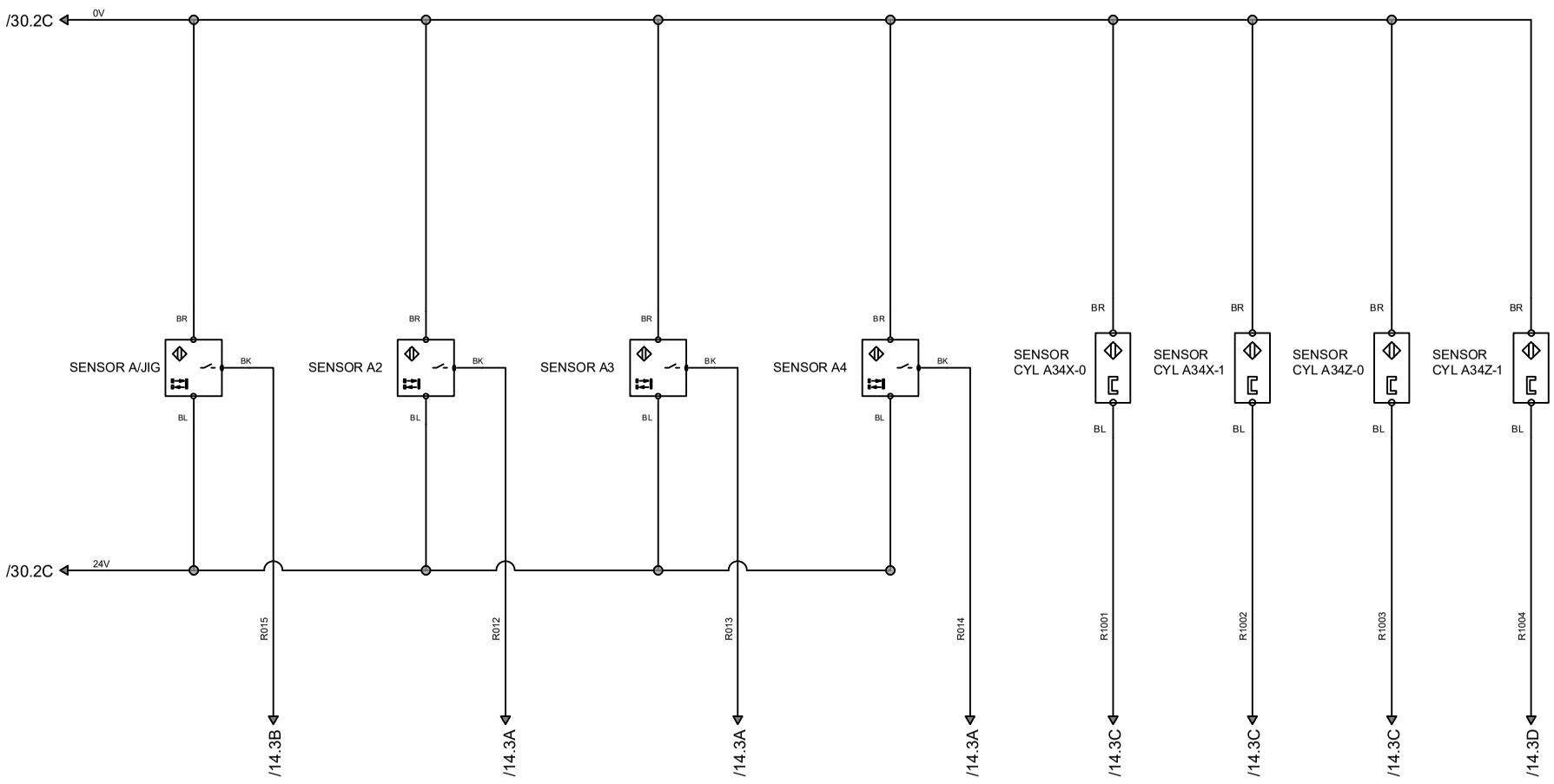
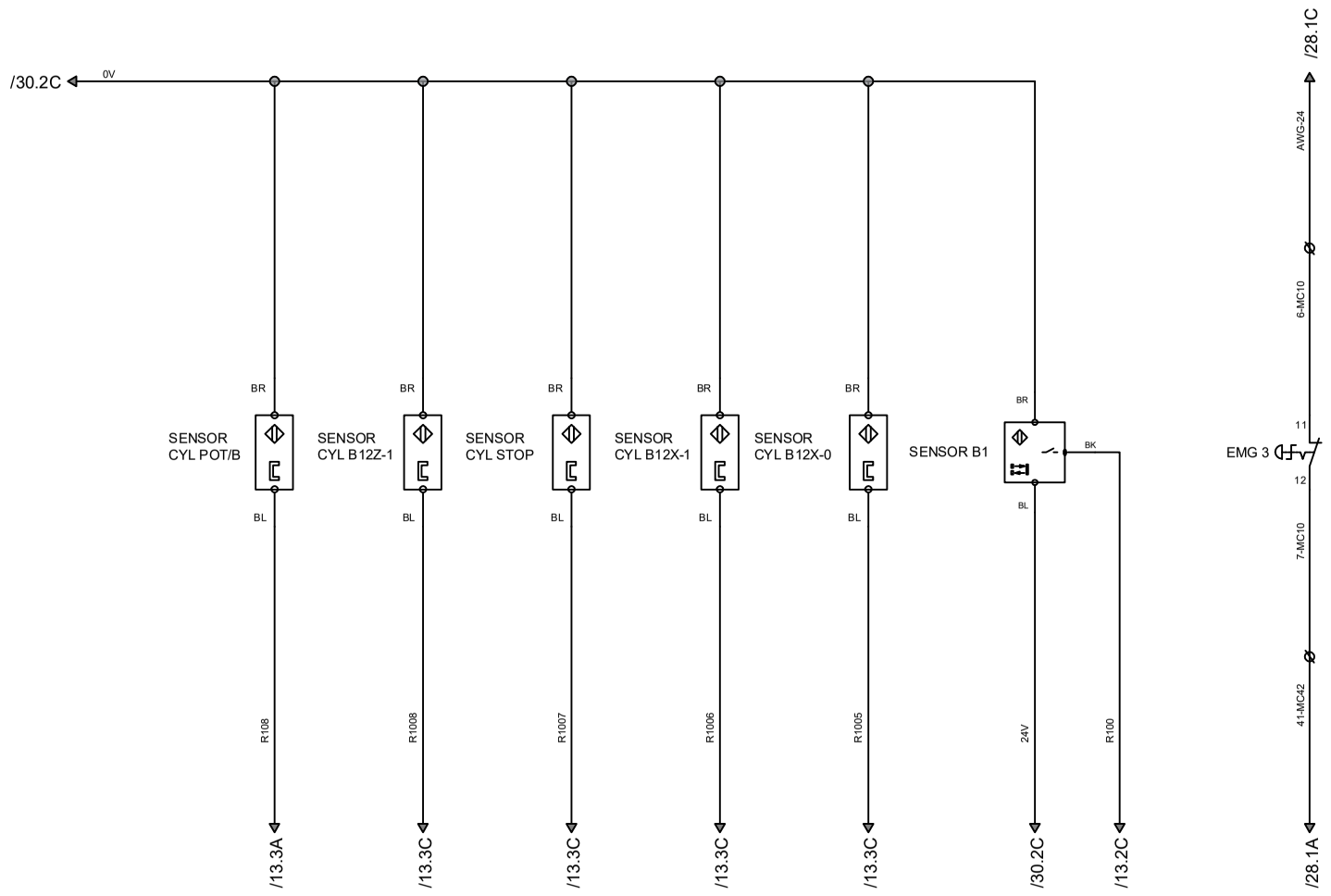
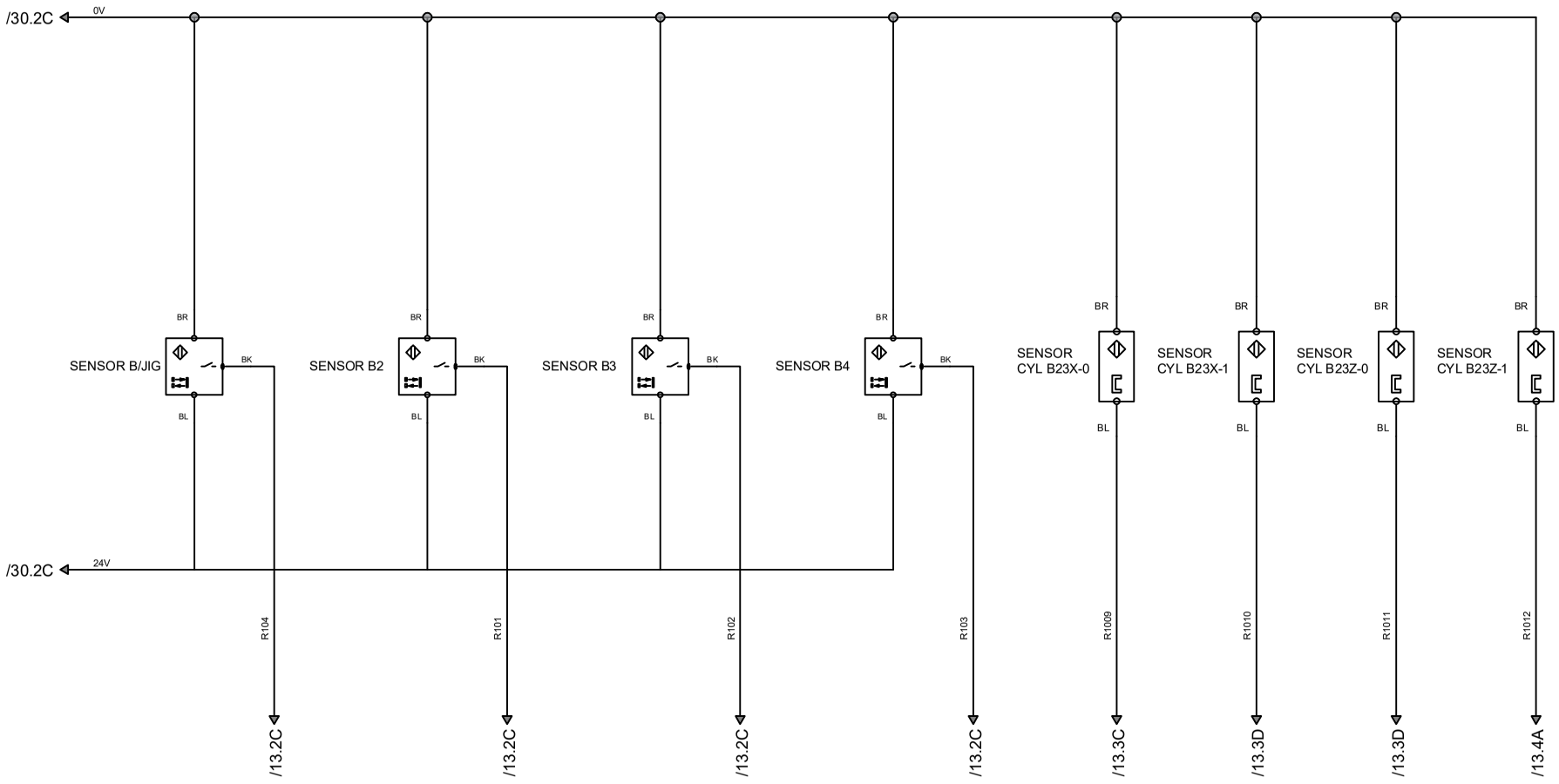
REV	FOR	SHEET
00	A4	16 OF 32



VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	JUNCTION BOX CONFIGURATION-JB3A			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : MC = MULTICORE JB = JUNCTION BOX	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI, MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	17 OF 32



VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	JUNCTION BOX CONFIGURATION-JB1B			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : MC = MULTICORE JB = JUNCTION BOX	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI. MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	18 OF 32



VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	JUNCTION BOX CONFIGURATION-JB2B
			CHKD.BY	ZULIS	SCALE	NTS	
			APVD.BY	DENY	PROJ	N/A	

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NOTES :
MC = MULTICORE
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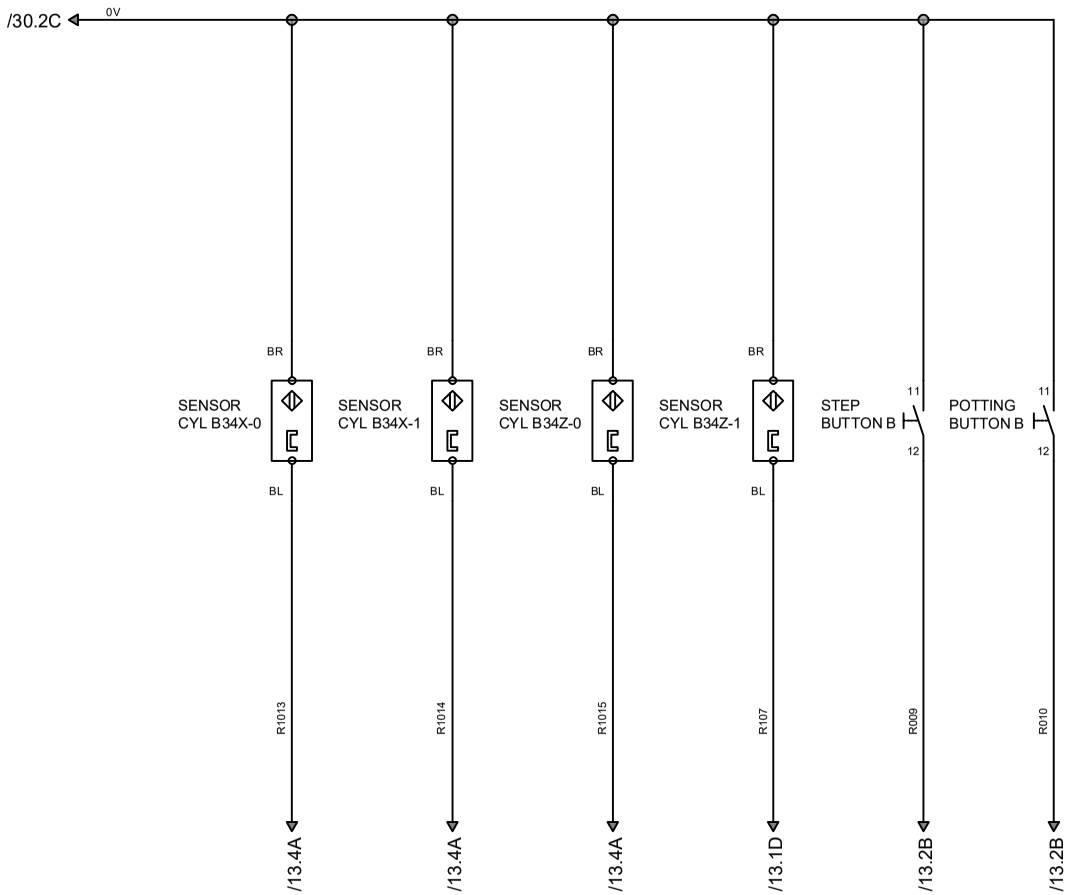
REV	FOR	SHEET
00	A4	19 OF 32



VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	JUNCTION BOX CONFIGURATION-JB3B
			CHKD.BY	ZULIS	SCALE	NTS	
			APVD.BY	DENY	PROJ	N/A	

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NOTES :
MC = MULTICORE
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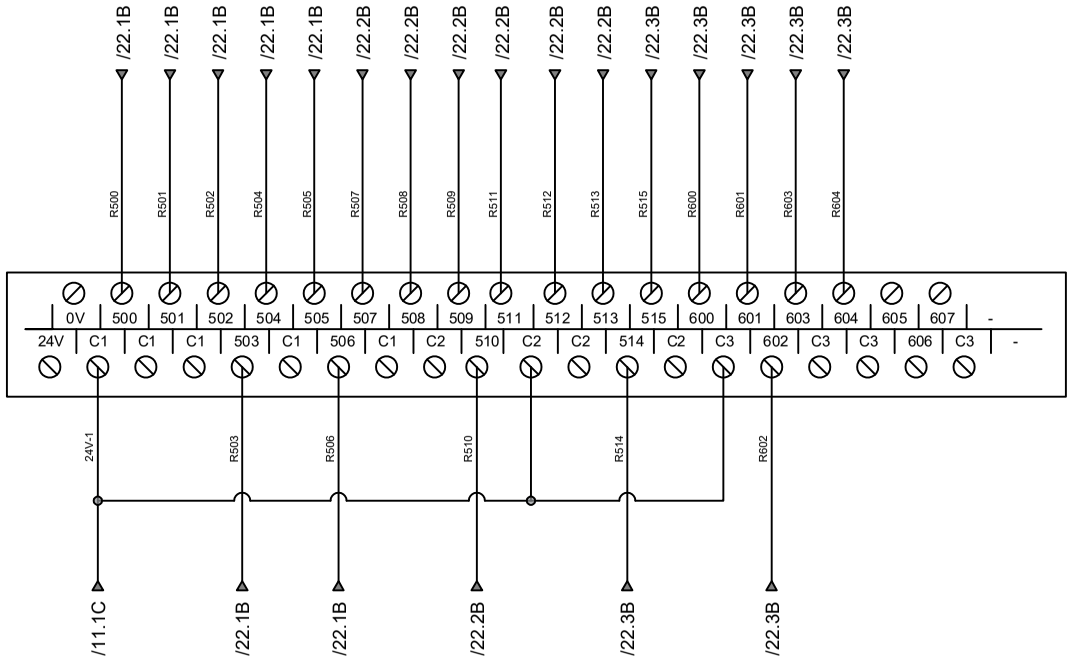
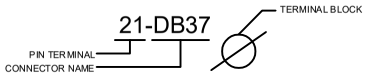
REV	FOR	SHEET
00	A4	20 OF 32



VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	OUTPUT MAIN PLC			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI. MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	21 OF 32

HOW TO READ THE WIRING DIAGRAMS

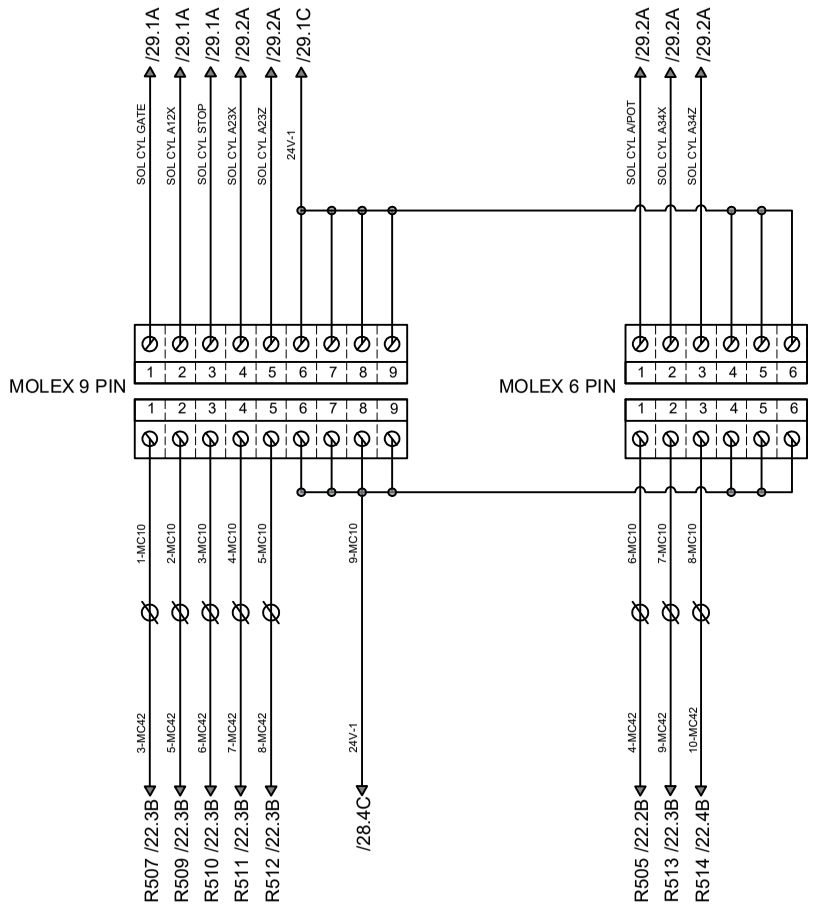


/21.2B	R500	AWG-24	/27.4A	
/21.2B	R501	AWG-24	/27.3A	
		11-MC42	/27.3A	
/21.2B	R502	AWG-24	/27.3A	
		12-MC42	/27.3A	
/21.2C	R503	AWG-24	/27.4A	
		13-MC42	/27.4A	
/21.2B	R504	AWG-24	/28.2C	
/21.2B	R505	4-MC42	/23.2C	
/21.2C	R506		/23.3C	

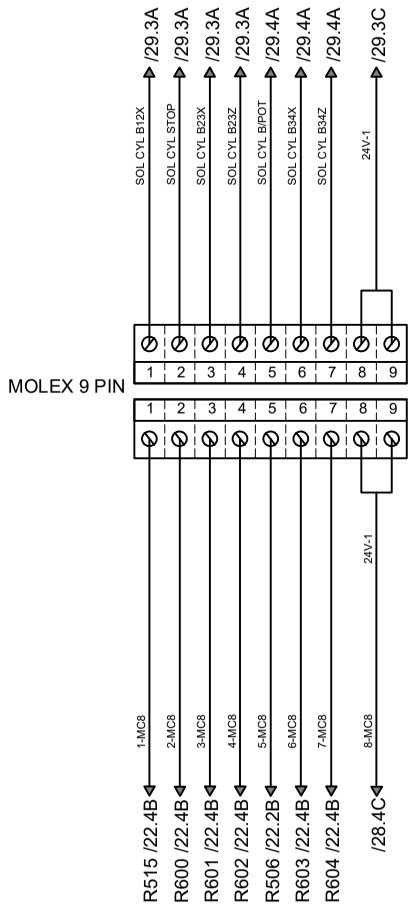
/21.2B	R507	3-MC42	/23.1C
/21.2B	R508		/SPARE N.C
/21.2B	R509	5-MC42	/23.1C
/21.2C	R510	6-MC42	/23.1C
/21.2B	R511	7-MC42	/23.1C
/21.3B	R512	8-MC42	/23.1C
/21.3B	R513	9-MC42	/23.2C

/21.3C	R514	10-MC42	/23.2C
/21.3B	R515	7-TB B	/23.3C
/21.3B	R600	8-TB B	/23.3C
/21.3B	R601	9-TB B	/23.3C
/21.3C	R602	10-TB B	/23.3C
/21.3B	R603	11-TB B	/23.3C
/21.3B	R604	1-TB A	/23.3C

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	OUTPUT PLC CONFIGURATION			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : MC = MULTICORE JB = JUNCTION BOX	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI. MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	22 OF 32



SOLENOID POTTING A



SOLENOID POTTING B

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	SOLENOID CONFIGURATION			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI, MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	23 OF 32

NO	CONTROLLER	ADDRESS	DESCRIPTION
1	PLC	R000	EMERGENCY BUTTON
2	PLC	R001	START BUTTON
3	PLC	R002	STOP BUTTON
4	PLC	R003	SELECTOR SWITCH MC-A
5	PLC	R004	SELECTOR SWITCH MC-B
6	PLC	R005	SELECTOR SWITCH MANUAL
7	PLC	R006	SELECTOR SWITCH SEMI
8	PLC	R007	STEP BUTTON A
9	PLC	R008	POTTING BUTTON A
10	PLC	R009	STEP BUTTON B
11	PLC	R010	POTTING BUTTON B
12	PLC	R011	SENSOR A1
13	PLC	R012	SENSOR A2
14	PLC	R013	SENSOR A3
15	PLC	R014	SENSOR A4
16	PLC	R015	SENSOR A-JIG
17	PLC	R100	SENSOR B1
18	PLC	R101	SENSOR B2
19	PLC	R102	SENSOR B3
20	PLC	R103	SENSOR B4
21	PLC	R104	SENSOR B-JIG
22	PLC	R105	SPARE N.C
23	PLC	R106	SENSOR CYL A/POT
24	PLC	R107	SENSOR CYL B34Z-1
25	PLC	R108	SENSOR CYL B/POT
26	PLC	R109	SPARE N.C
27	PLC	R110	SENSOR CYL-GATEIN
28	PLC	R111	SPARE N.C
29	PLC	R112	SENSOR CYL-GATEOUT
30	PLC	R113	SENSOR CYL A12X-0
31	PLC	R114	SENSOR CYL A12X-1
32	PLC	R115	SPARE N.C
33	PLC	R200	SENSOR CYL A12Z-1

NO	CONTROLLER	ADDRESS	DESCRIPTION
34	PLC	R201	SENSOR CYL A23X-0
35	PLC	R202	SENSOR CYL A23X-1
36	PLC	R203	SENSOR CYL A23Z-0
37	PLC	R1000	SENSOR CYL A23Z-1
38	PLC	R1001	SENSOR CYL A34X-0
39	PLC	R1002	SENSOR CYL A34X-1
40	PLC	R1003	SENSOR CYL A34Z-0
41	PLC	R1004	SENSOR CYL A34Z-1
42	PLC	R1005	SENSOR CYL B12X-0
43	PLC	R1006	SENSOR CYL B12X-1
44	PLC	R1007	SPARE N.C
45	PLC	R1008	SENSOR CYL B12Z-1
46	PLC	R1009	SENSOR CYL B23X-0
47	PLC	R1010	SENSOR CYL B23X-1
48	PLC	R1011	SENSOR CYL B23Z-0
49	PLC	R1012	SENSOR CYL B23Z-1
50	PLC	R1013	SENSOR CYL B34X-0
51	PLC	R1014	SENSOR CYL B34X-1
52	PLC	R1015	SENSOR CYL B34Z-0

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE		
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	INPUT LIST		
			CHKD.BY	ZULIS	SCALE	NTS			
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI, MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	24 OF 32

NO	CONTROLLER	ADDRESS	DESCRIPTION
1	PLC	R500	BUZZER
2	PLC	R501	ERROR INDICATOR
3	PLC	R502	RUN MC-A INDICATOR
4	PLC	R503	RUN MC-B INDICATOR
5	PLC	R504	CONVEYOR
6	PLC	R505	SOL CYL A/POT
7	PLC	R506	SOL CYL B/POT
8	PLC	R507	SOL CYL GATE-IN
9	PLC	R508	SPARE N.C
10	PLC	R509	SOL CYL A12X
11	PLC	R510	SOL CYL STOP A
12	PLC	R511	SOL CYL A23X
13	PLC	R512	SOL CYL A23Z
14	PLC	R513	SOL CYL A34X
15	PLC	R514	SOL CYL A34Z
16	PLC	R515	SOL CYL B12X
17	PLC	R600	SOL CYL STOP B
18	PLC	R601	SOL CYL B23X
19	PLC	R602	SOL CYL B23Z
20	PLC	R603	SOL CYL B34X
21	PLC	R604	SOL CYL B34Z

VENDOR / CONTRACTOR	DOCUMENT TITTLE	CLIENT	DWG.BY	RONI	DWG.NO		DRAWING TITTLE			
tuguss PT TUGU SENA SINERGI	ELECTRICAL WIRING DIAGRAMS POTTING PALLET INFEED CONVEYOR AUTOMATED SYSTEM PT PCI ELEKTRONIK INDONESIA	pci A Celestica Company PT PCI ELEKTRONIK INDONESIA	DSG.BY		DATE	05 APR 2023	OUTPUT LIST			
			CHKD.BY	ZULIS	SCALE	NTS				
			APVD.BY	DENY	PROJ	N/A	NOTES : Some pictures are shown just for ilustration only	REV	FOR	SHEET
			ALL TECHNICAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF PT TUGU SENA SINERGI, MAY NEITHER BE USED NOT DISCLOSED WITHOUT ITS PRIOR WRITTEN CONSENT . ONLY THOSE DRAWINGS & DIAGRAM REMITTED AFTER ORDER BOOKING ARE BINDING FOR EXECUTION. ALL DEVICE SHOWN IN THIS DIAGRAM ARE IN OPEN POSITION, DRAWN OUT, WITH OPERATING MECHANISM DISCHARGED & ALL POWER SOURCE OFF.					00	A4	25 OF 32