



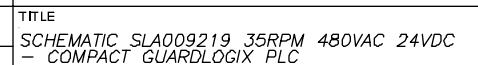
WRP-TTL-1

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WRP-PLC-6 - LOGIC CONTROLLER	39		-	79	-		119	-		159	-
WRP-PLC-7 - LOGIC CONTROLLER	40		-	80	-		120	-		160	-

1. WIRE SIZES:
- ALL POWER WIRING TO BE 14 AWG UNLESS OTHERWISE NOTED.
- ALL CONTROL WIRING TO BE 16 AWG UNLESS OTHERWISE NOTED.
- ALL I/O WIRED DIRECT TO PLC, MAY BE 18 AWG UNLESS NOTED.

3. FIELD WIRING REQUIREMENTS:
- USE COPPER WIRE ONLY!
 - USE 60°C INSULATION.
 - TORQUE TERMINAL SCREWS TO 6 IN.-LBS.





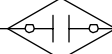
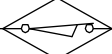
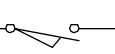
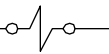
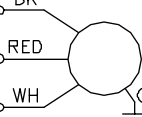
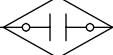
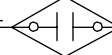

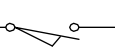
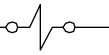
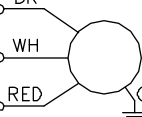


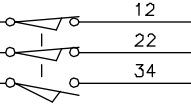
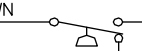


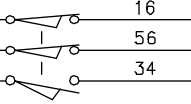
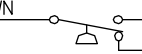


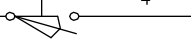
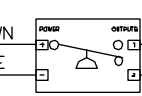


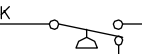


- PLOT TIME STAMP : Nov 04, 2024 - 1:23PM



VERSION V23.2.21	MODULE NAME TABLE OF CONTENTS
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SIZE <i>D</i>	DRAWING REFERENCE <i>30275842</i>	SHEET <i>1</i>	OF <i>47</i>
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DATE	ENGINEER	DRAWING NUMBER
28 Oct 2024	AJM	30292390

<div>PHOTOCELL – PNP/NO</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>BLACK</div></div> <div>LANTECH INTELLISENSOR CUTLER-HAMMER PRISM SERIES A-B 9000 SERIES (4-WIRE) BANNER S10 SERIES</div>		<div>ULTRASONIC SENSOR – PNP/NC</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>BLACK</div></div> <div>SICK # 6025658</div>				<div>PROXIMITY SWITCH – PNP/NO</div> <div><div>BROWN</div><div>BLACK</div><div></div></div> <div>EFECTOR QUADRONORM A-B 872C QUADROPLEX</div>						<div>MODULE</div> <div>WRP-TTL-2</div>													
<div>PHOTOCELL – PNP/NO</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>BLACK (S1)</div></div> <div>SICK DS60</div>		<div>PHOTOCELL – PNP/NO</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>WHITE</div></div> <div>AB 42JS-D2MPA1-F4</div>				<div>PROXIMITY SWITCH – PNP/NC</div> <div><div>BLACK</div><div>BROWN</div><div></div></div> <div>EFECTOR QUADRONORM A-B 872C QUADROPLEX</div>						<div>LIMIT SWITCH – NO</div> <div><div>BROWN</div><div>BLACK</div><div></div></div> <div>SQUARE D CLASS 9007</div>		<div>VALVE SOLENOID</div> <div><div>BROWN</div><div>BLUE</div><div></div></div> <div>ROSS</div>		<div>3Ø AC MOTOR</div> <div><div>BK</div><div>RED</div><div>WH</div><div></div><div>GREEN</div></div> <div>BRAD HARRISON CABLE</div>									
<div>PHOTOCELL – PNP/NO</div> <div><div>BR & OR</div><div>BLUE</div><div></div><div>BLACK</div></div> <div>A-B 9000 SERIES (5-WIRE)</div>		<div>PHOTOCELL – PNP/NO</div> <div><div>BR & YL</div><div>BLUE</div><div></div><div>BLACK</div></div> <div>BANNER Q45VR3 SERIES (5-WIRE)</div>				<div>PROXIMITY SWITCH – PNP/NO</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>BLACK</div></div> <div>TURCK MICRO SWITCH 990 SERIES</div>						<div>LIMIT SWITCH – NO</div> <div><div>WHITE</div><div>BROWN</div><div></div></div> <div>MICRO SWITCH 914CE</div>		<div>VALVE SOLENOID</div> <div><div>BLACK</div><div>BLUE</div><div></div></div> <div>FESTO 564212</div>		<div>3Ø AC MOTOR</div> <div><div>BK</div><div>WH</div><div>RED</div><div></div><div>GREEN</div></div> <div>ALLEN-BRADLEY CABLE</div>									
<div>PHOTOCELL – PNP/NO</div> <div><div>RED & OR</div><div>BLACK</div><div></div><div>GRAY</div></div> <div>A-B 6000 SERIES</div>						<div>PROXIMITY SWITCH – PNP/NC</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>WHITE</div></div> <div>TURCK MICRO SWITCH 990 SERIES</div>						<div>LIMIT SWITCH</div> <div><div>11</div><div>21</div><div>33</div><div></div><div>12</div><div>22</div><div>34</div></div> <div>PIZZATO FR SERIES</div>				<div>AIR PRESSURE SWITCH</div> <div><div>BROWN</div><div>BLACK</div><div></div><div>BLUE</div></div> <div>NASON</div>									
<div>PHOTOCELL – PNP/NO</div> <div><div>BLUE</div><div>BROWN</div><div></div><div>BLACK</div></div> <div>BANNER OMNI-BEAM SERIES</div>						<div>PROXIMITY SWITCH – PNP/NO</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>BLACK</div></div> <div>SICK # 7 900 097</div>						<div>LIMIT SWITCH</div> <div><div>15</div><div>25</div><div>33</div><div></div><div>16</div><div>56</div><div>34</div></div> <div>A-B 802F SERIES</div>				<div>AIR PRESSURE SWITCH</div> <div><div>BROWN</div><div>BLACK</div><div></div><div>BLUE</div></div> <div>FESTO – 553158</div>									
<div>PHOTOCELL – PNP/NO</div> <div><div>RED</div><div>RED/YEL</div><div>GREEN</div><div></div><div>RED/BK</div></div> <div>MIGATRON ULTRASONIC</div>						<div>PROXIMITY SWITCH – PNP/NC</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>WHITE</div></div> <div>SICK # 7 900 099</div>						<div>CABLE OPERATED SWITCH – NO</div> <div><div>3</div><div>4</div><div></div></div> <div>TELEMECANIQUE L300</div>				<div>AIR PRESSURE SWITCH</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>BLACK</div><div>WHITE</div></div> <div>FESTO – 8035544</div>									
<div>PHOTOCELL – PNP/NC</div> <div><div>RED</div><div>RED/YEL</div><div>GREEN</div><div></div><div>RED/WHT</div></div> <div>MIGATRON ULTRASONIC</div>						<div>PROXIMITY SWITCH – PNP/NO</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>BLACK</div></div> <div>ALLEN BRADLEY 872C-N12xxx-xx</div>										<div>AIR PRESSURE SWITCH</div> <div><div>BLACK</div><div>WHITE</div><div></div><div>RED</div></div> <div>GEMS – PS41-30-4MNB-C-H-V W/15FT CABLE</div>									
<div>PHOTOCELL – PNP/NO</div> <div><div>1</div><div>3</div><div>2</div><div></div><div>4</div></div>						<div>PROXIMITY SWITCH – PNP/NC</div> <div><div>BROWN</div><div>BLUE</div><div></div><div>WHITE</div></div> <div>ALLEN BRADLEY 872C-N12xxx-xx</div>										<div>Lantech</div> <div>TITLE</div> <div>SCHEMATIC SLA009219 35RPM 480VAC 24VDC – COMPACT GUARDLOGIX PLC</div> <div>VERSION V23.2.21</div> <div>MODULE NAME TABLE OF CONTENTS</div> <div>SIZE D</div> <div>DRAWING REFERENCE 30275842</div> <div>SHEET 2</div> <div>OF 47</div> <div>DATE 28 Oct 2024</div> <div>ENGINEER AJM</div> <div>DRAWING NUMBER 30292390</div>									
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DEVICE IDENTIFICATION

MODULE—FUNCTION—DEVICE

EXAMPLES: WRP-DSC-PDB
WRP-PWS-CB2

MODULE WIRE NAMING:

MODULE-FUNCTION(LINE NUMBER)[OFFSET]

EXAMPLES: WRP-PWS108
 WRP-PWS108A

MODULE I/O WIRE NAMING:

(I-INPUT OR O-OUTPUT)-MODULE-FUNCTION[OFFSET]

EXAMPLES:

I-WRP-PWS1
O-WRP-PWS1

TERMINAL VOLTAGE DISTRIBUTION POINTS NOTE:
* DESIGNATES MACHINE MODULE DESIGNATION
SHORT FORM

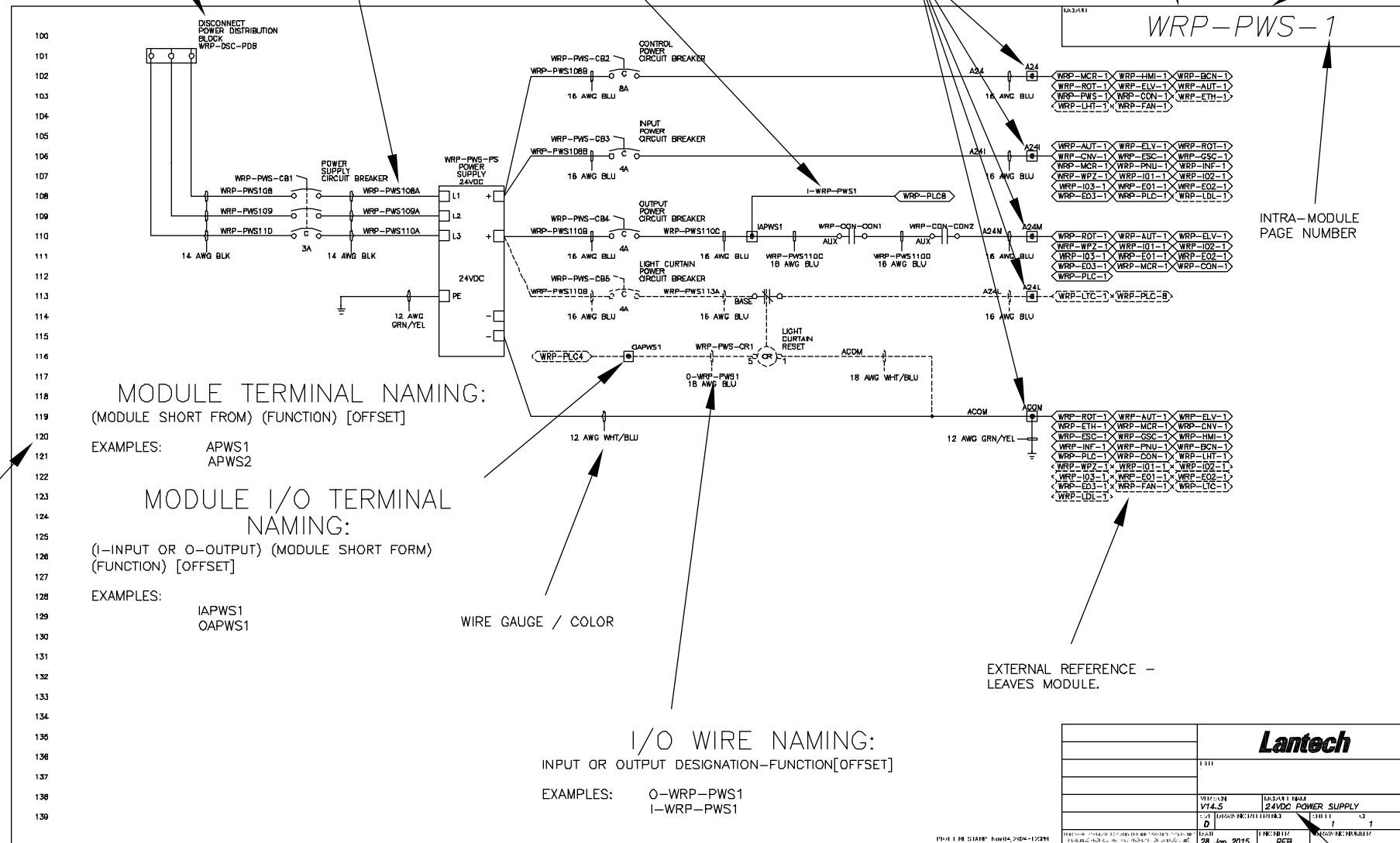
*24	+24VDC
*24I	+24VDC INPUT POWER
*24L	+24VDC LIGHT CURTAIN
*24M	MCR VOLTAGE
*24Mn	MCR VOLTAGE ZONE "n" (WHERE n = ZONE #)
*COM	OVDC COMMON
*120	120VAC
*240A & *240B	240VAC
*NEU	NEUTRAL

MACHINE MODULE SHORT FORM

A	WRAPPER
B	TOP SHEET DISPENSER
C	FILM SEALER

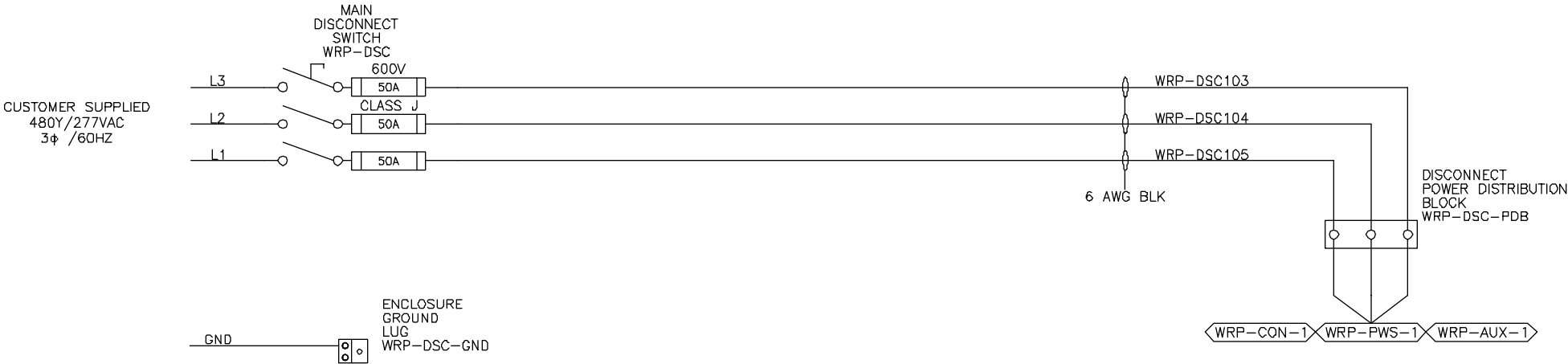
MACHINE MODULE DESIGNATIONS LONG FORM

WRP	WRAPPER
TSD	TOP SHEET DISPENSER
FMS	FILM SEALER



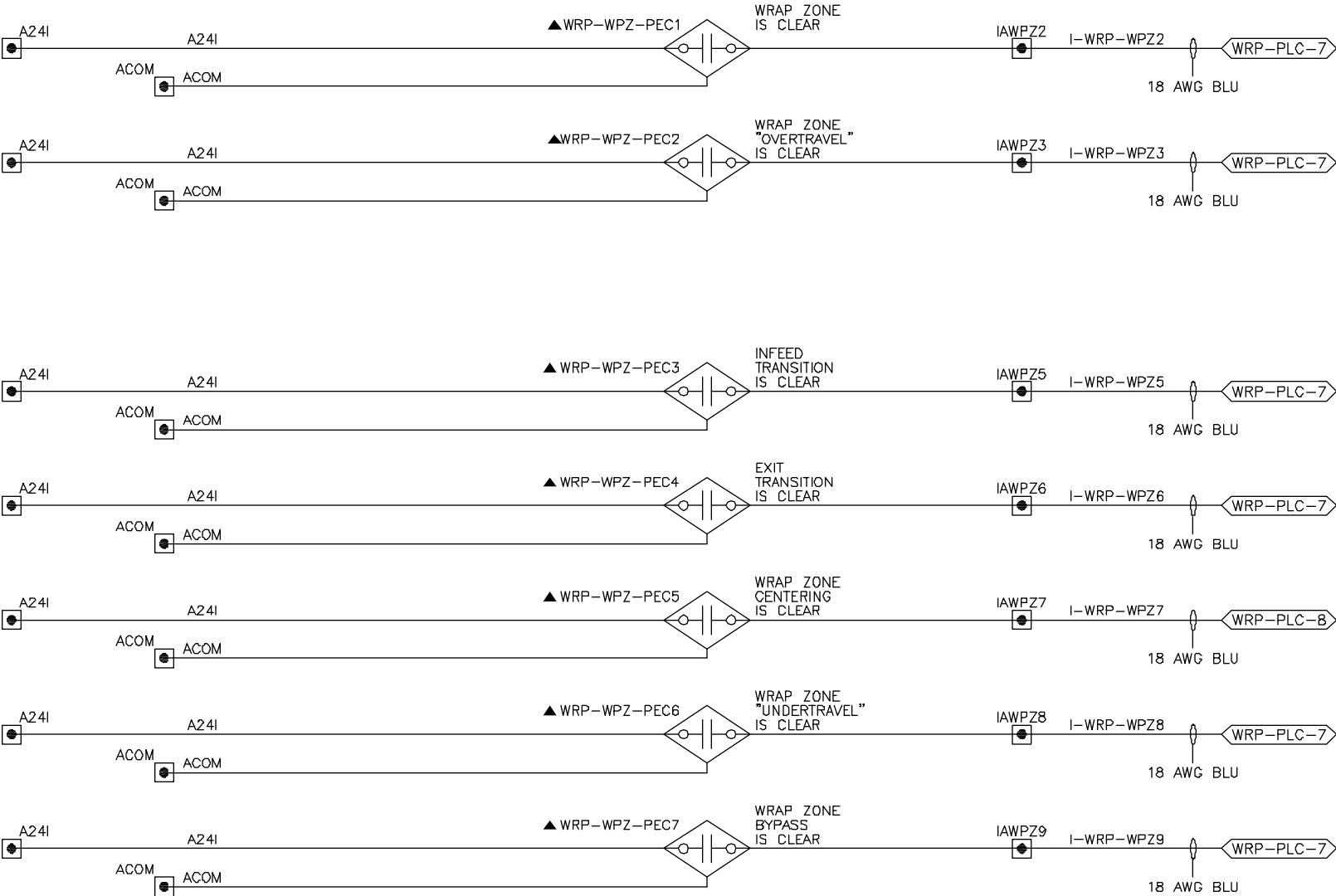
STANDARD FUNCTION ABBREVIATIONS		PNU	PNEUMATICS
AUT	AUTOMATION UNIT	PRS	POWER ROLLER STRETCH CONTROL
AUX	120VAC CIRCUITS	PWS	24VDC POWER SUPPLY
BCN	BEACON	RCP	RECEPTACLE
COM	COMMUNICATIONS LAYOUT	ROT	ROTATION CONTROL
CON	CONTACTORS	RVS	REVERSING CONTACTORS
CNV	CONVEYOR CONTROL	SR	SLIP RING CONDUCTORS
DNT	DEVICE NET	TSD	TOP SHEET DISPENSER CONTROL
DSC	DISCONNECT	WPZ	WRAP ZONE CONVEYOR CONTROL
DSP	FILM DISPENSE CONTROL	WRP	WRAPPER

		<h1 style="text-align: center; margin: 0;">Lantech</h1>	
		TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC – COMPACT GUARDLOGIX PLC	
		VERSION V23.2.21	MODULE NAME TABLE OF CONTENTS
		SIZE D 30275842	SHEET OF 4 47
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		DRAWING NUMBER 30292390	

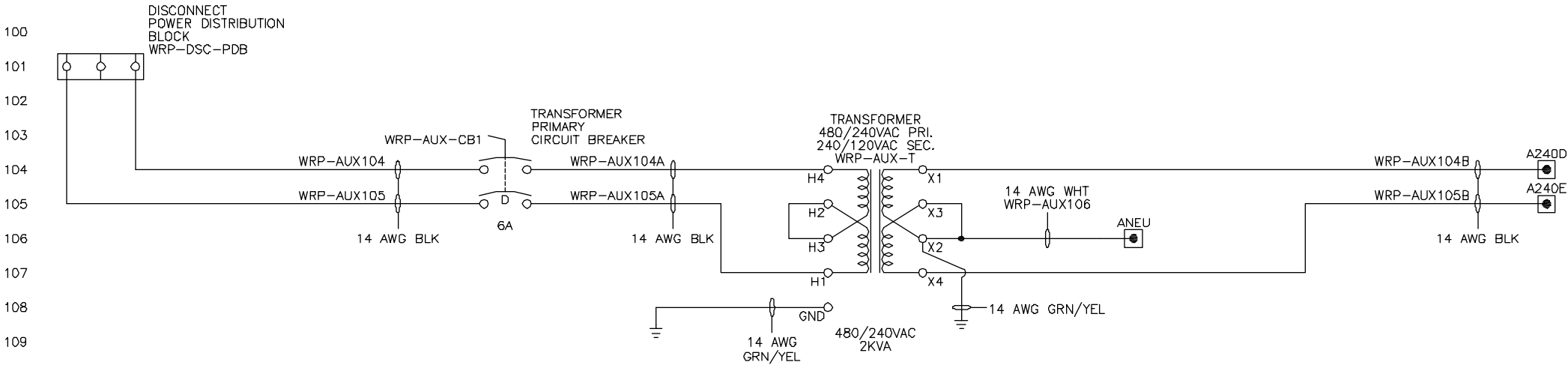


	<div>Lantech</div>		
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	VERSION V23.2.21	MODULE NAME DISCONNECT	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 5 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

100
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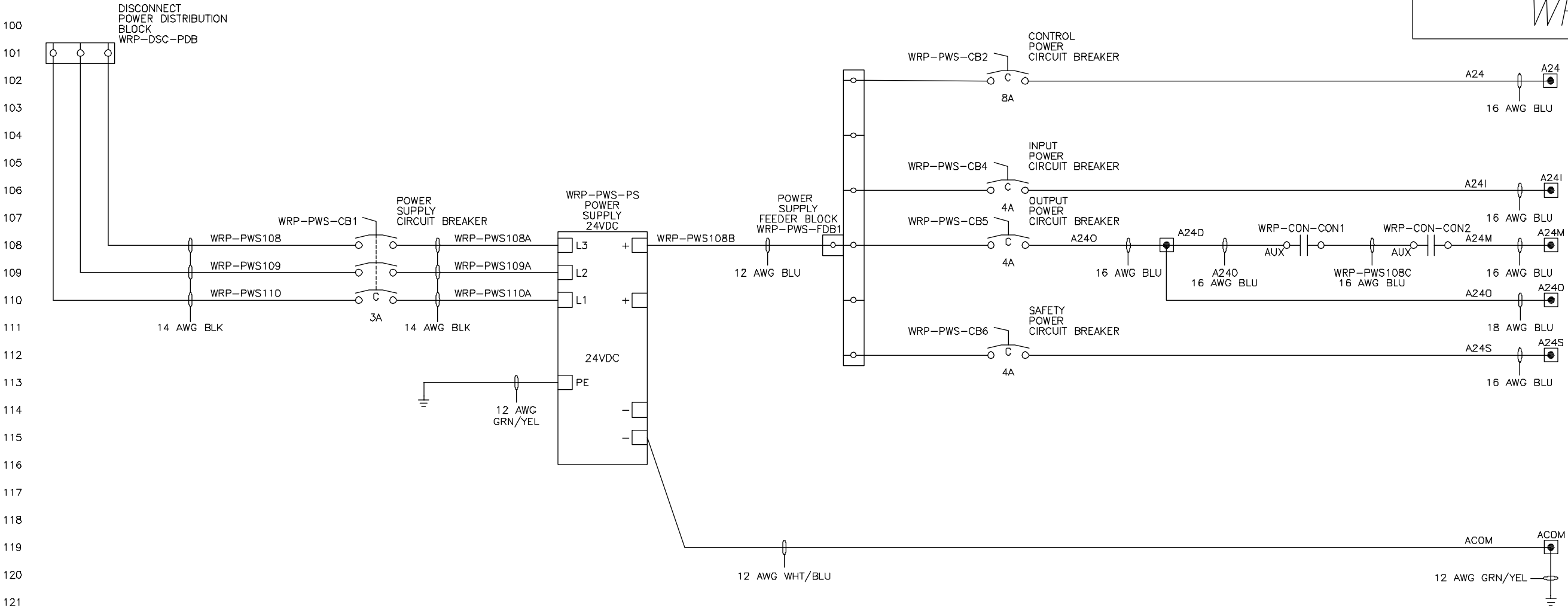
	<div>Lantech</div>		
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	VERSION V23.2.21	MODULE NAME WRAP_ZONE	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 6 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME AUXILIARY TRANSFORMER	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 7 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

MODULE

WRP-PWS-1



Lantech

TITLE
SCHEMATIC SLA009219 35RPM 480VAC 24VDC
- COMPACT GUARDLOGIX PLC

VERSION V23.2.21 MODULE NAME POWER SUPPLY

SIZE D DRAWING REFERENCE 30275842 SHEET 8 OF 47

DATE 28 Oct 2024 ENGINEER AJM DRAWING NUMBER 30292390

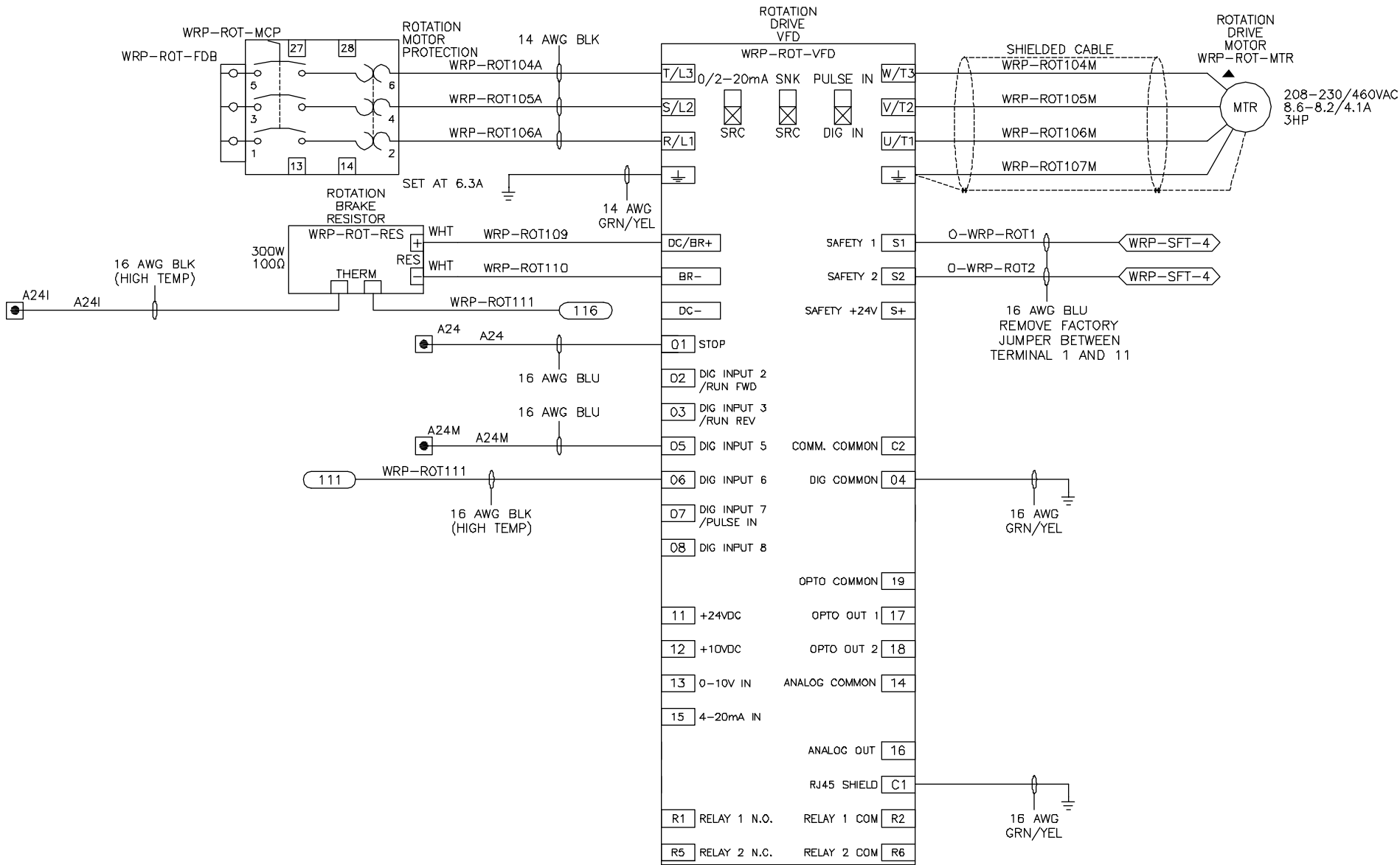
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DETAIL FOR POWERFLEX 525 ROTATION VFD

MODULE

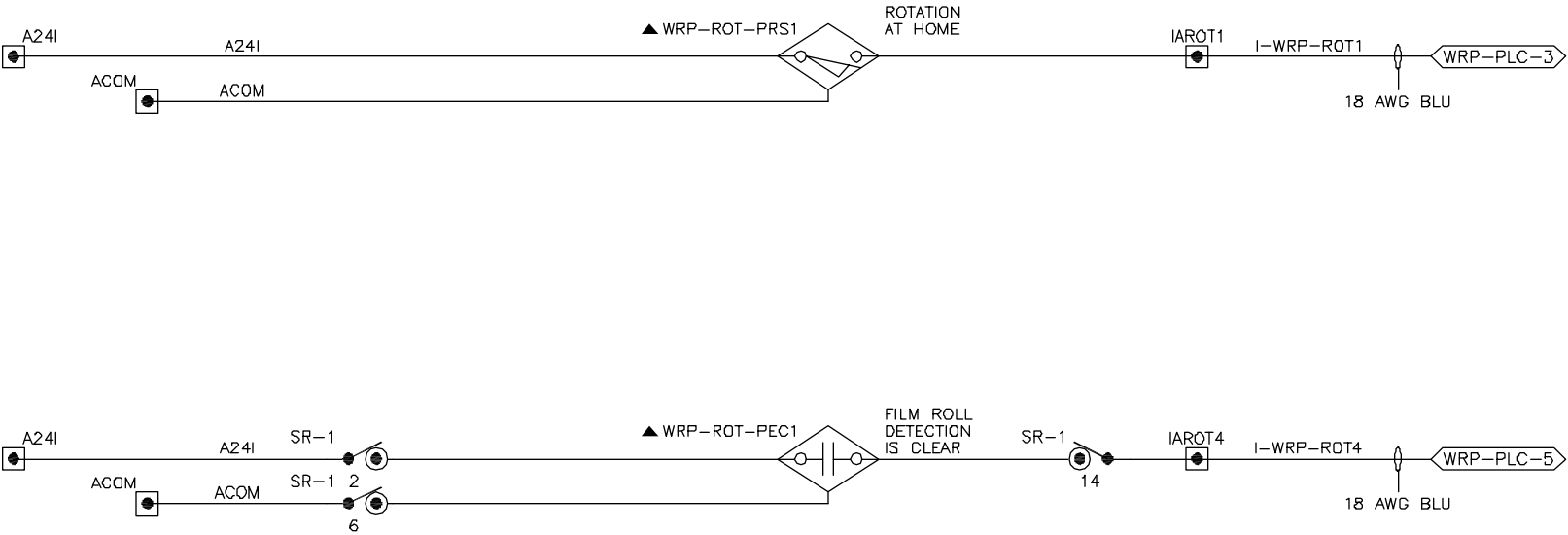
WRP-ROT-1



POWERFLEX 525 ROTATION PARAMETERS		
* SET TO MOTOR NAMEPLATE VALUE		
** SET TO 1 AND PERFORM A STATIC TUNE		
*** OL CURRENT EQUALS FLA x SERVICE FACTOR		
**** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
P031	MOTOR NAME PLATE VOLTS	*
P032	MOTOR NAME PLATE HERTZ	*
P033	MOTOR OL CURRENT	***
P034	MOTOR NAME PLATE FLA	*
P035	MOTOR NAME PLATE POLES	*
P036	MOTOR NAME PLATE RPM	*
P037	MOTOR NAME PLATE POWER	* (IN kW)
P040	AUTOTUNE	**
P041	ACCELERATION TIME 1	5.0
P042	DECELERATION TIME 1	2.0
P044	MAXIMUM FREQUENCY	75
P046	START SOURCE 1	5
P051	SPEED REFERENCE 3	15
t062	DIGIN TERMBLK 02	0
t063	DIGIN TERMBLK 03	0
t065	DIGIN TERMBLK 05	14
t066	DIGIN TERMBLK 06	12
t067	DIGIN TERMBLK 07	0
t068	DIGIN TERMBLK 08	0
A434	DC BRAKE TIME	0.5
A435	DC BRAKE LEVEL	0.5
A437	DB RESISTOR SEL	99
A438	DB THRESHOLD	100
A439	S CURVE %	25
A440	PWM FREQUENCY	2.0
A442	ACCEL TIME 2	5.0
A443	DECEL TIME 2	2.0
C128	EN ADDR SEL	1
C129-C132	EN IP ADDR CFG	****
C133-C136	EN SUBNET CFG	****

<div>Lantech</div>			
TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC			
VERSION V23.2.21		MODULE NAME ROTATION	
SIZE D	DRAWING REFERENCE 30275842	SHEET 9	OF 47
DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390	

PLOT TIME STAMP : Nov 04, 2024 - 1:24PM

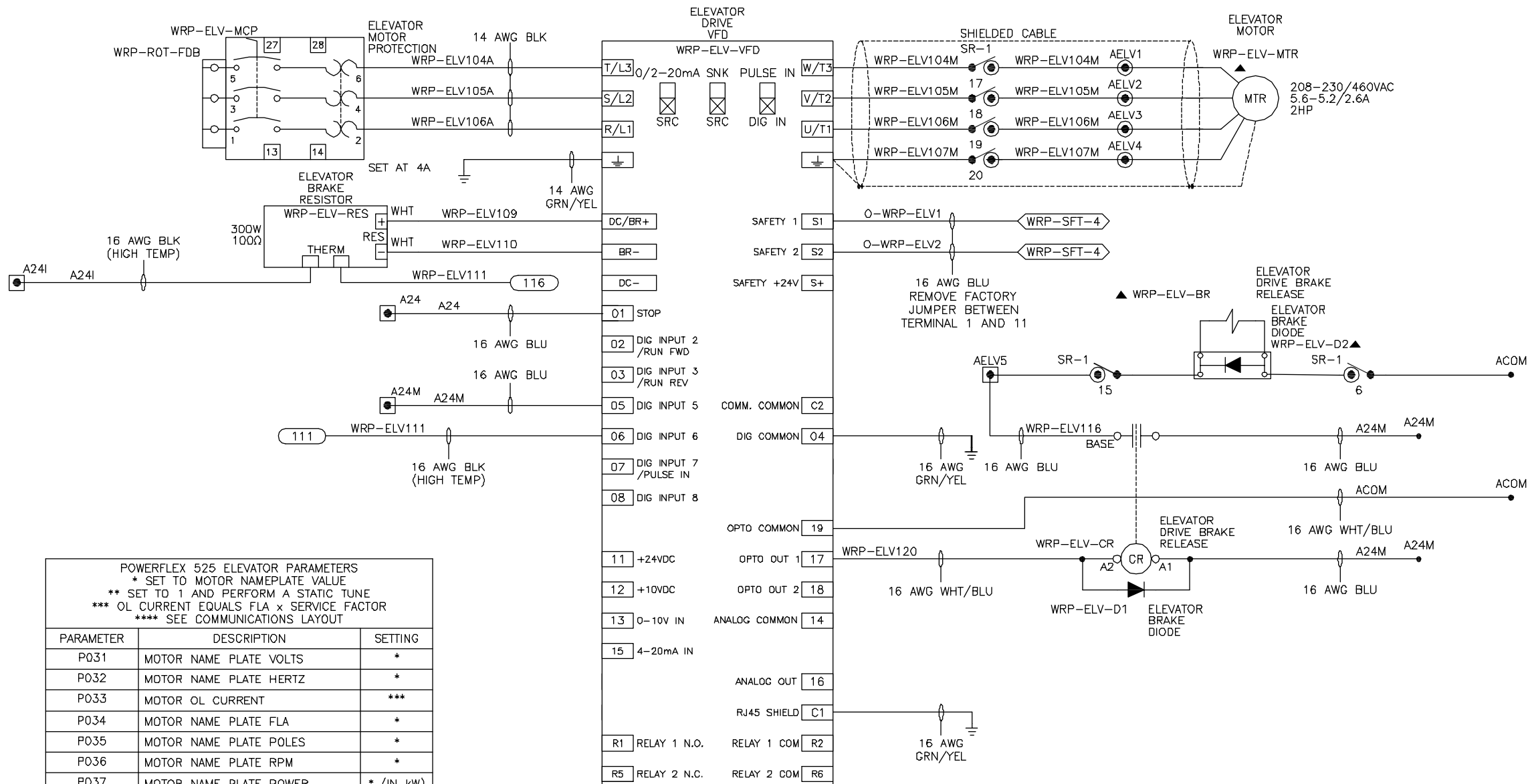


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	TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME ROTATION	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 10 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

DETAIL FOR POWERFLEX 525 ELEVATOR VFD

MODULE

WRP-ELV-1



POWERFLEX 525 ELEVATOR PARAMETERS		
* SET TO MOTOR NAMEPLATE VALUE		
** SET TO 1 AND PERFORM A STATIC TUNE		
*** OL CURRENT EQUALS FLA x SERVICE FACTOR		
**** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
P031	MOTOR NAME PLATE VOLTS	*
P032	MOTOR NAME PLATE HERTZ	*
P033	MOTOR OL CURRENT	***
P034	MOTOR NAME PLATE FLA	*
P035	MOTOR NAME PLATE POLES	*
P036	MOTOR NAME PLATE RPM	*
P037	MOTOR NAME PLATE POWER	* (IN kW)
P040	AUTOTUNE	**
P041	ACCELERATION TIME 1	1.0
P042	DECELERATION TIME 1	0.2
P044	MAXIMUM FREQUENCY	75
P045	STOP MODE	8
P046	START SOURCE 1	5
P051	SPEED REFERENCE 3	15
		0
t062	DIGIN TERMBLK 02	0
t063	DIGIN TERMBLK 03	0
t065	DIGIN TERMBLK 05	14
t066	DIGIN TERMBLK 06	12
t067	DIGIN TERMBLK 07	0
t068	DIGIN TERMBLK 08	0
t069	OPTO OUT 1 SEL	15
t086	EM BRK OFF DELAY	0.1

POWERFLEX 525 ELEVATOR PARAMETERS		
* SET TO MOTOR NAMEPLATE VALUE		
** SET TO 1 AND PERFORM A STATIC TUNE		
*** OL CURRENT EQUALS FLA x SERVICE FACTOR		
**** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
t087	EM BRK ON DELAY	0.5
A437	DB RESISTOR SEL	99
A438	DB THRESHOLD	100
A440	PWM FREQUENCY	2.0
A442	ACCEL TIME 2	1.0
A443	DECEL TIME 2	1.0
A573	MTR OPTIONS CFG	2
C128	EN ADDR SEL	1

POWERFLEX 525 ELEVATOR PARAMETERS		
* SET TO MOTOR NAMEPLATE VALUE		
** SET TO 1 AND PERFORM A STATIC TUNE		
*** OL CURRENT EQUALS FLA x SERVICE FACTOR		
**** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
C129-C132	EN IP ADDR CFG	****
C133-C136	EN SUBNET CFG	****

ELEVATOR BRAKE
(ENERGIZE TO RELEASE)

Lantech

TITLE
SCHEMATIC SLA009219_35RPM 480VAC 24VDC
- COMPACT GUARDLOGIX PLC

VERSION
V23.2.21

MODULE NAME
ELEVATOR

SIZE
D

DRAWING REFERENCE
30275842

SHEET
11

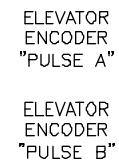
OF
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DATE
28 Oct 2024

ENGINEER
AJM

DRAWING NUMBER
30292390

PLOT TIME STAMP : Nov 04, 2024 - 1:24PM

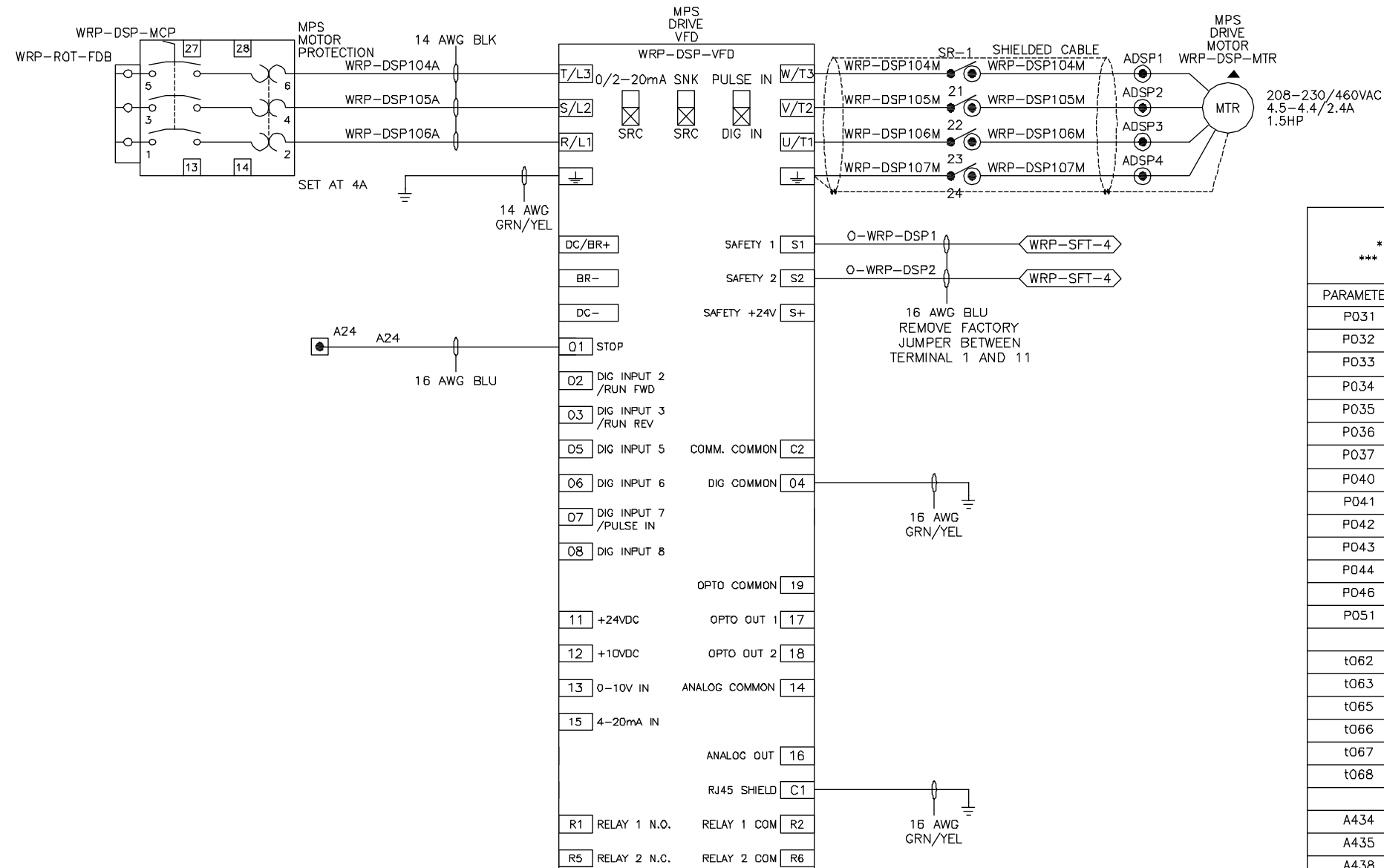


			
		TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC – COMPACT GUARDLOGIX PLC	
		VERSION V23.2.21	MODULE NAME ELEVATOR
		SIZE D 30275842	SHEET OF 12 47
I-105 SHEET C- DRAWING (H) 111 H-00000A (H) CONTAINS HEREIN IS PROPRIETARY AND PROPERTY OF LANTECH, INC.		DATE 28 Oct 2024	ENGINEER A/JM
		DRAWING NUMBER 30292390	

DETAIL FOR POWERFLEX 525 METERED PRE-STRETCH VFD

	MODULE
--	--------

WRP-DSP-1



POWERFLEX 525 DISPENSE PARAMETERS * SET TO MOTOR NAMEPLATE VALUE ** SET TO 1 AND PERFORM A STATIC TUNE *** OL CURRENT EQUALS FLA x SERVICE FACTOR **** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
P031	MOTOR NAME PLATE VOLTS	*
P032	MOTOR NAME PLATE HERTZ	*
P033	MOTOR OL CURRENT	***
P034	MOTOR NAME PLATE FLA	*
P035	MOTOR NAME PLATE POLES	*
P036	MOTOR NAME PLATE RPM	*
P037	MOTOR NAME PLATE POWER	* (IN kW)
P040	AUTOTUNE	**
P041	ACCELERATION TIME 1	0.1
P042	DECELERATION TIME 1	0.1
P043	MINIMUM FREQUENCY	2.5
P044	MAXIMUM FREQUENCY	75
P046	START SOURCE 1	5
P051	SPEED REFERENCE 3	15
		0
t062	DIGIN TERMBLK 02	0
t063	DIGIN TERMBLK 03	0
t065	DIGIN TERMBLK 05	0
t066	DIGIN TERMBLK 06	0
t067	DIGIN TERMBLK 07	0
t068	DIGIN TERMBLK 08	0
A434	DC BRAKE TIME	3.0
A435	DC BRAKE LEVEL	1.5
A438	DB THRESHOLD	100
A440	PWM FREQUENCY	2.0
A442	ACCEL TIME 2	2.0
A443	DECEL TIME 2	2.0
C128	EN ADDR SEL	1
C129—C132	EN IP ADDR CFG	****
C133—C136	EN SUBNET CFG	****

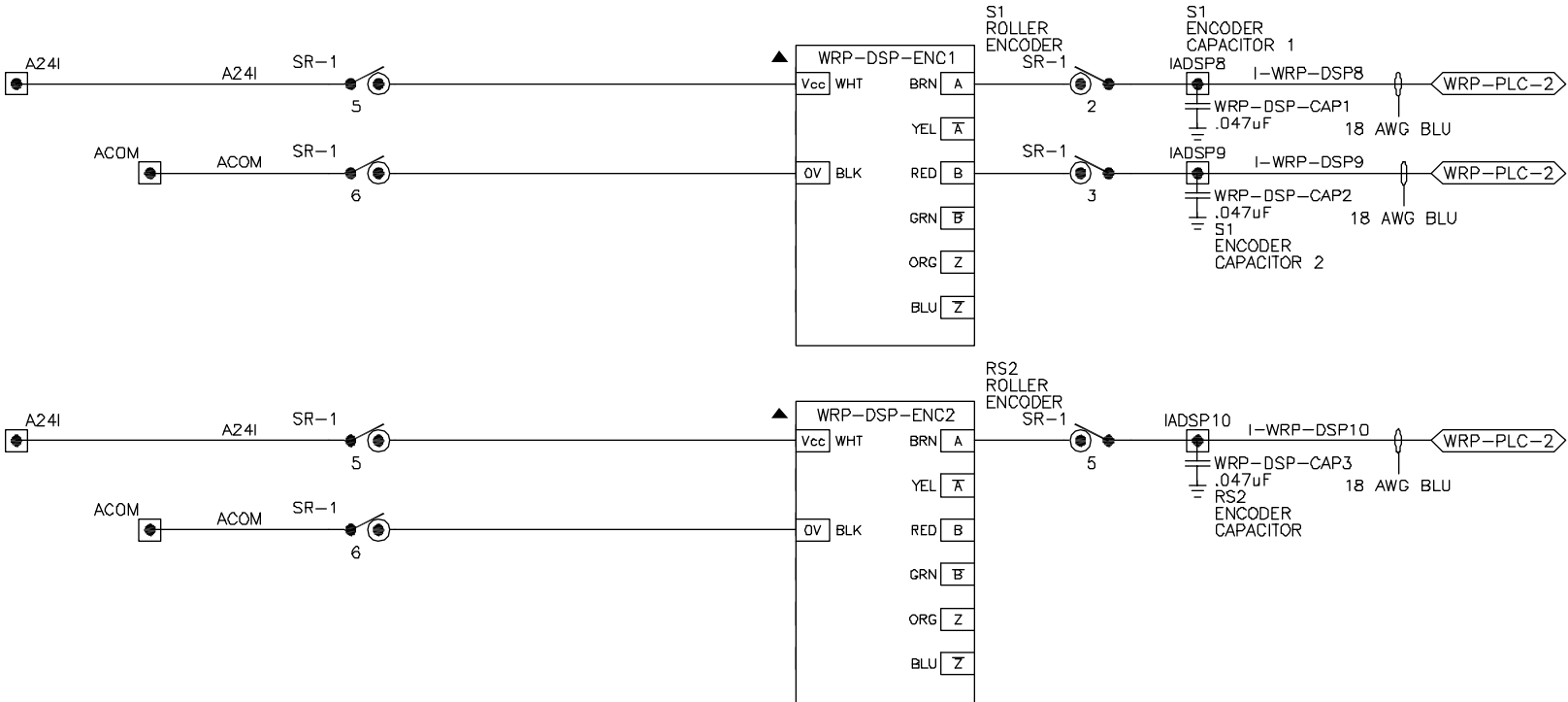
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		VERSION V23.2.21	MODULE NAME DISPENSE
		SIZE D 30275842	SHEET OF 13 47
THIS SHEET OF DRAWINGS ARE THE PROPERTY OF LANTech, INC. HEREIN IS PROPRIETARY AND PROPERTY OF LANTech, INC.		DATE 28 Oct 2024	ENGINEER AJM
		DRAWING NUMBER 30292390	

PLOT TIME STAMP : Nov 04, 2024 - 1:25PM

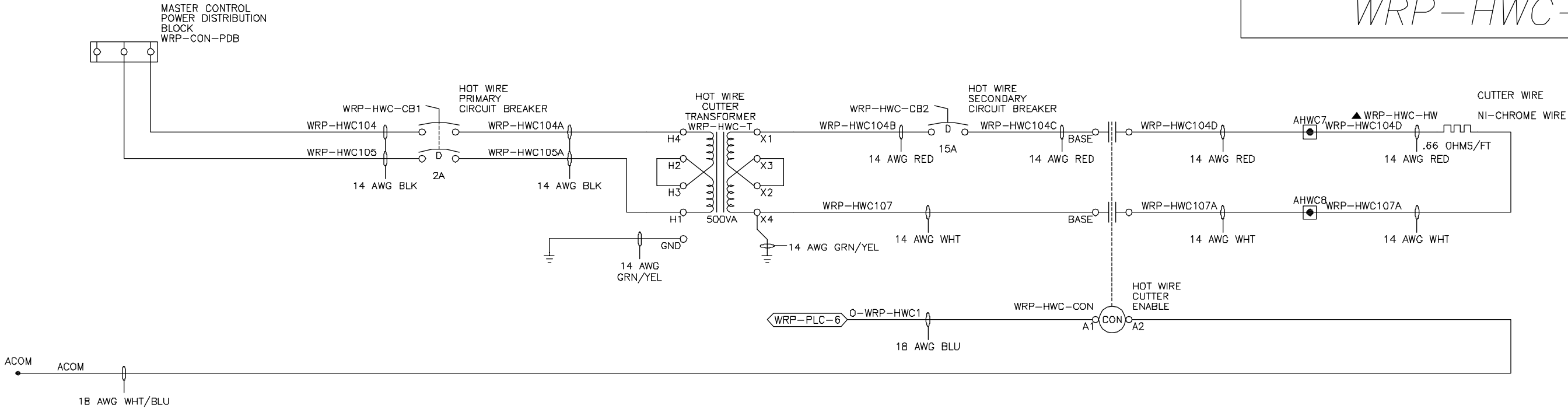
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DATE	ENGINEER
28 Oct 2024	AJM

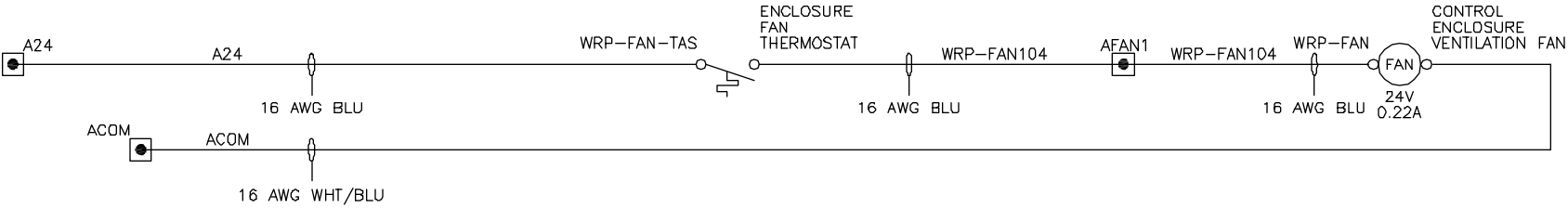
DRAWING NUMBER
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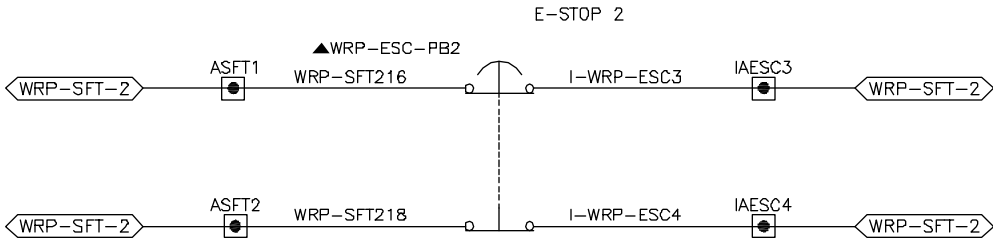
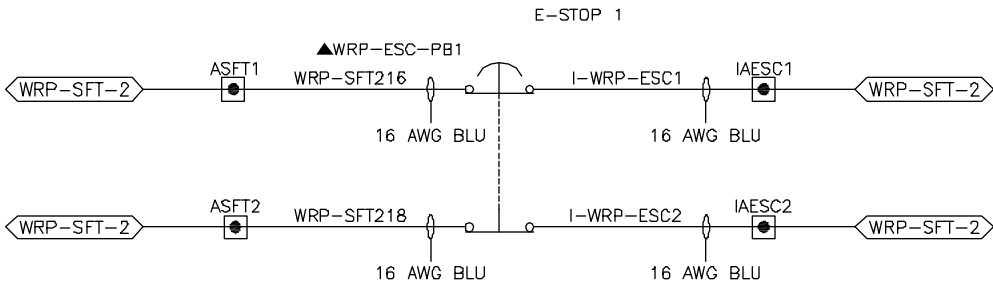
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	SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME DISPENSE	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 14 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



<div>Lantech</div>			
TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC			
VERSION V23.2.21		MODULE NAME HOT WIRE CUTTER	
SIZE D	DRAWING REFERENCE 30275842		SHEET 15 OF 47
DATE 28 Oct 2024		ENGINEER AJM	DRAWING NUMBER 30292390



	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME ENCLOSURE FAN	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 16 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

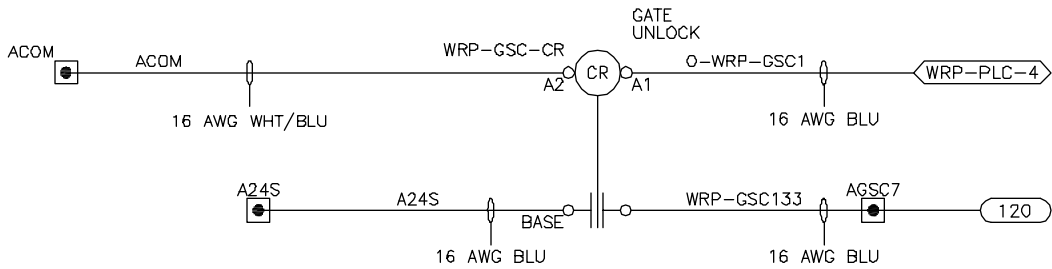
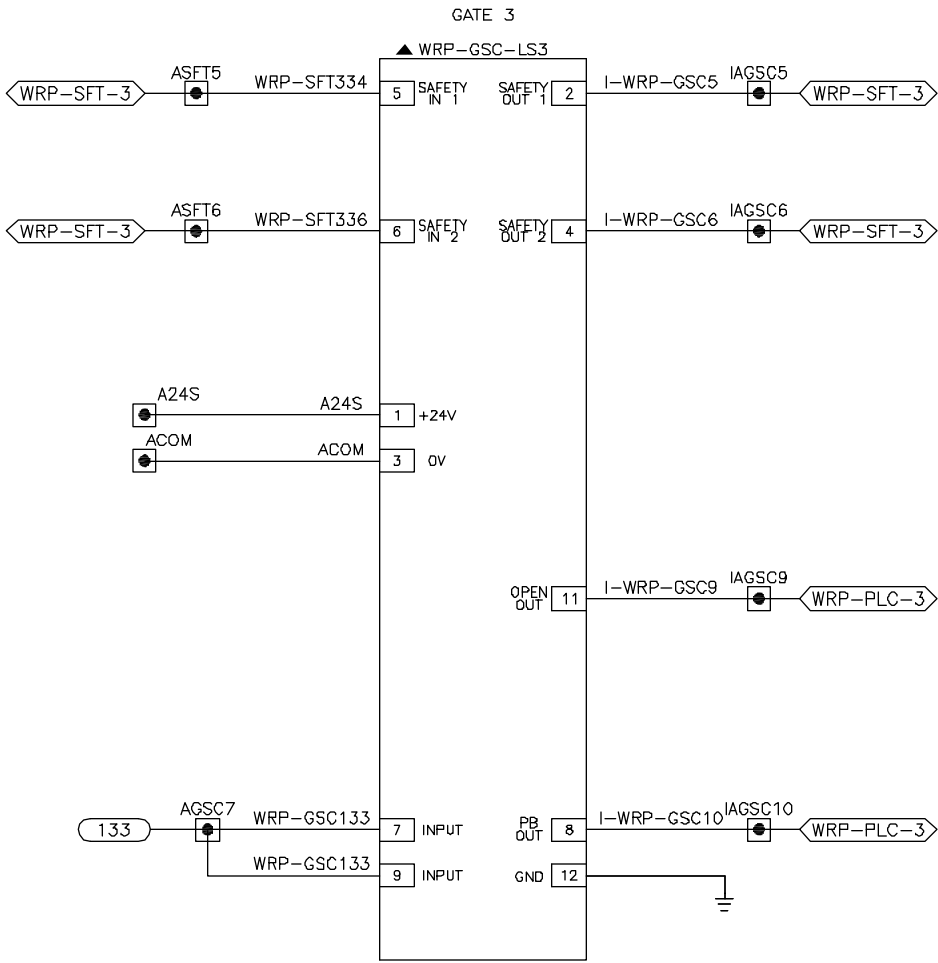
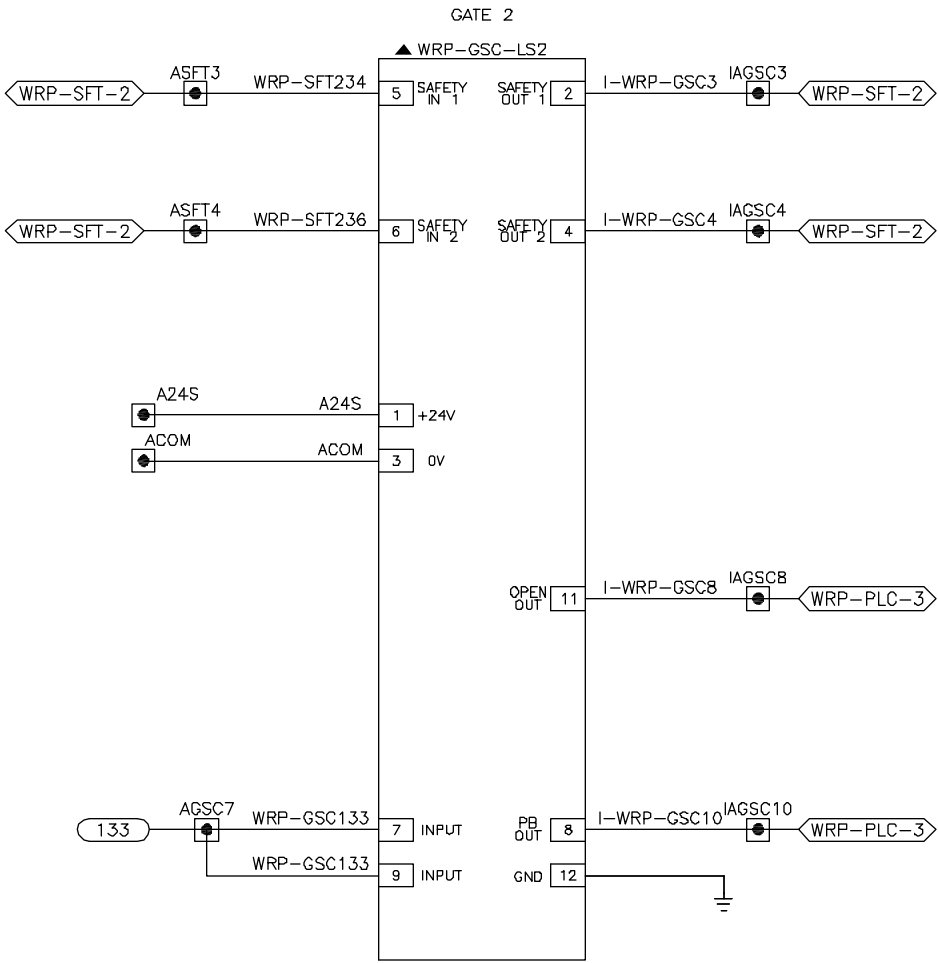
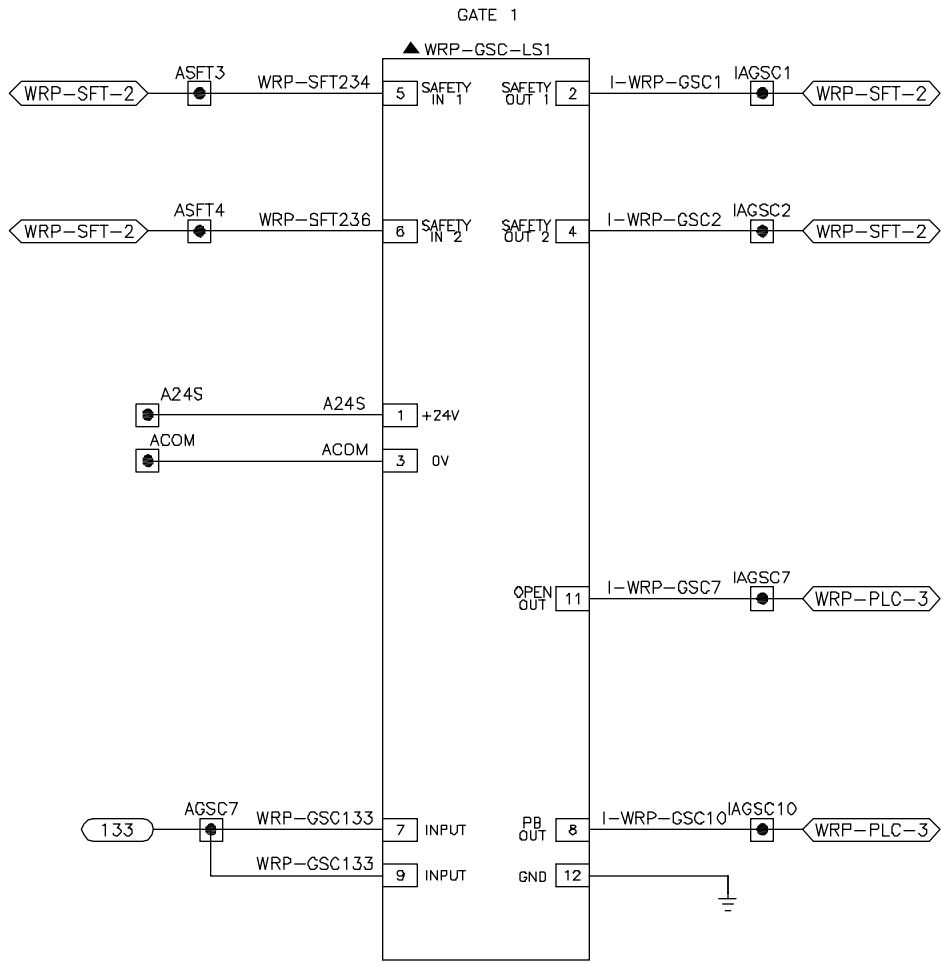


	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME EMERGENCY STOPS	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 17 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

DETAIL FOR FORTRESS TGARD GATE SWITCH

MODULE

WRP-GSC-1

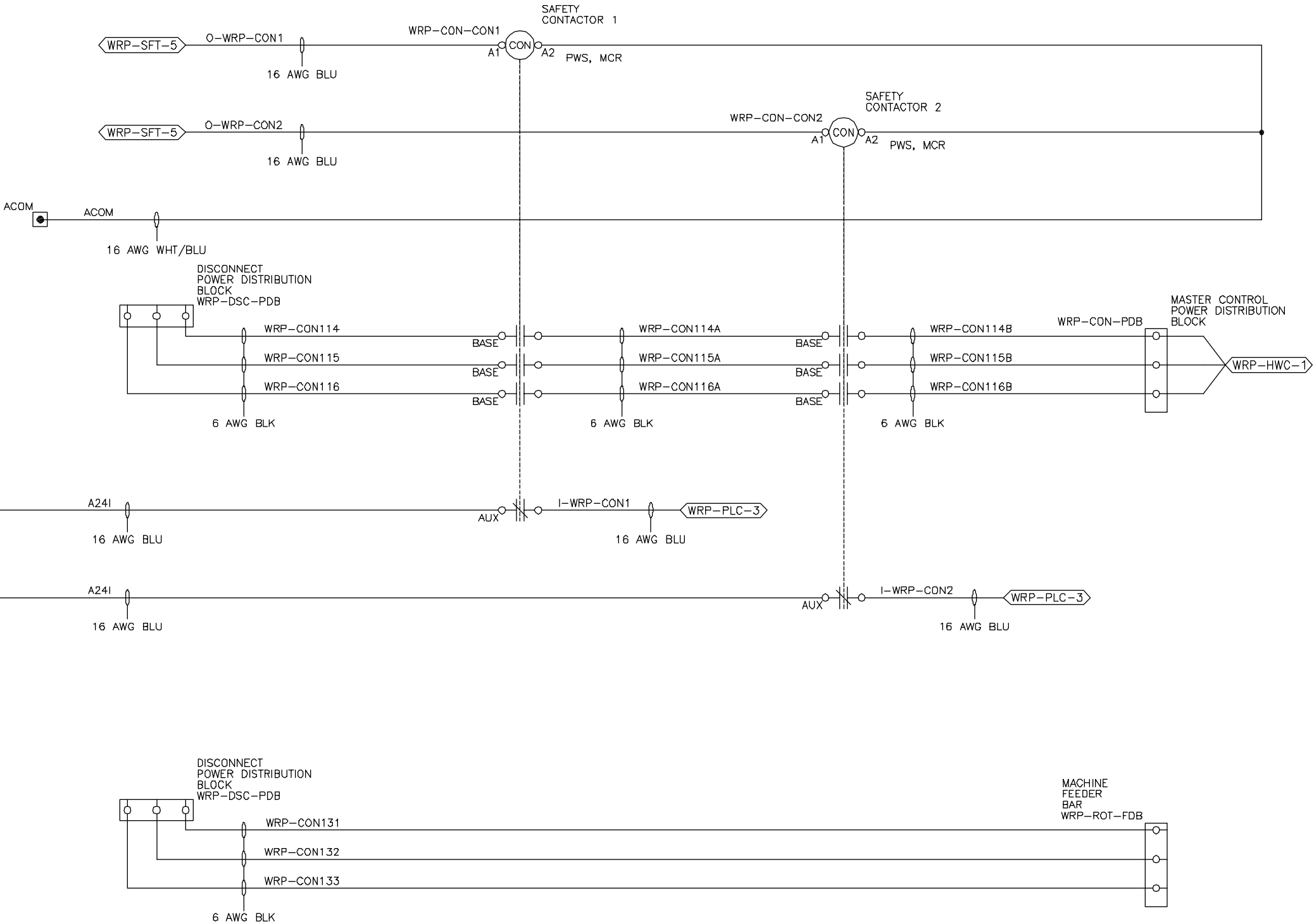


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		TITLE	
		SCHEMATIC SLA009219_35RPM 480VAC 24VDC	
		- COMPACT GUARDLOGIX PLC	
		VERSION	MODULE NAME
		V23.2.21	GATE SWITCHES
		SIZE	DRAWING REFERENCE
		D	30275842
		SHEET	OF
		18	47
		DATE	ENGINEER
		28 Oct 2024	AJM
		DRAWING NUMBER	
		30292390	

PLOT TIME STAMP : Nov 04, 2024 - 1:25PM

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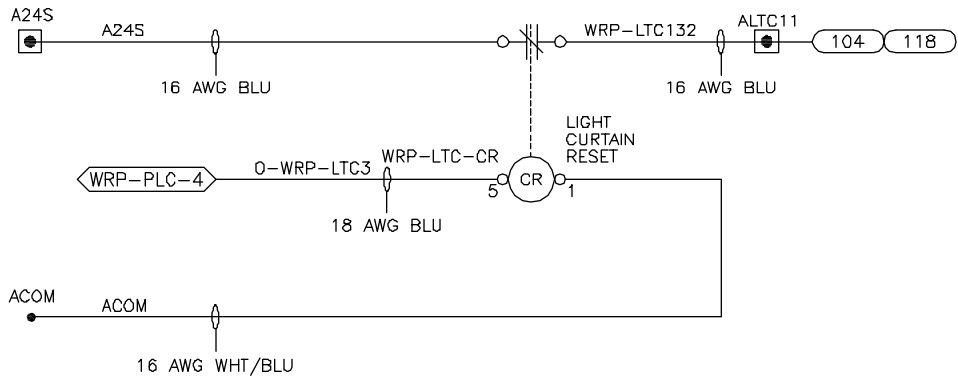
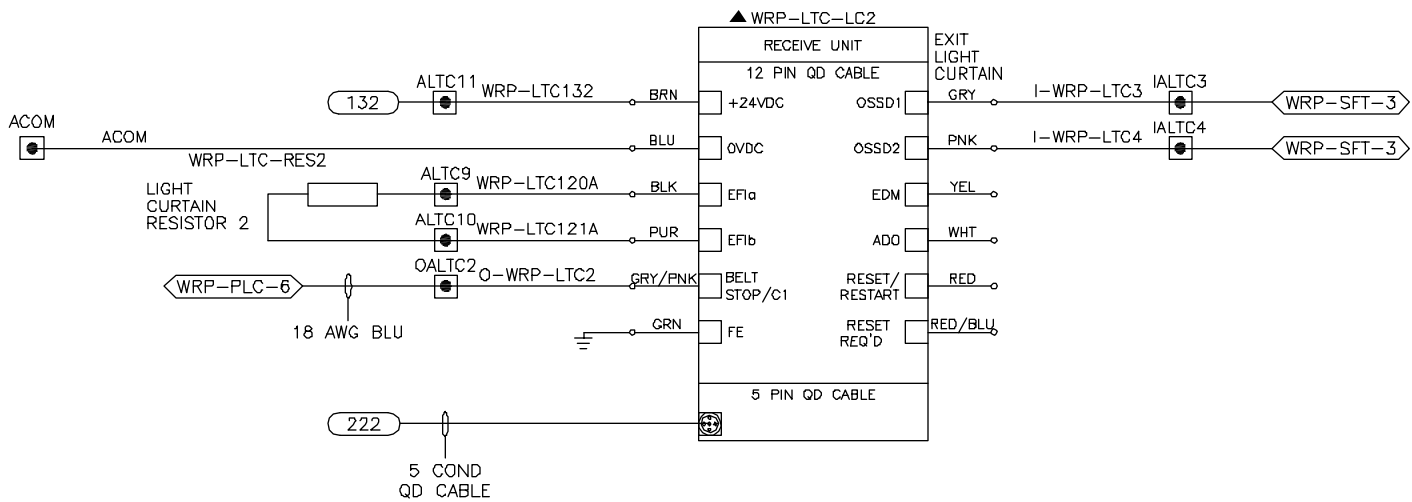
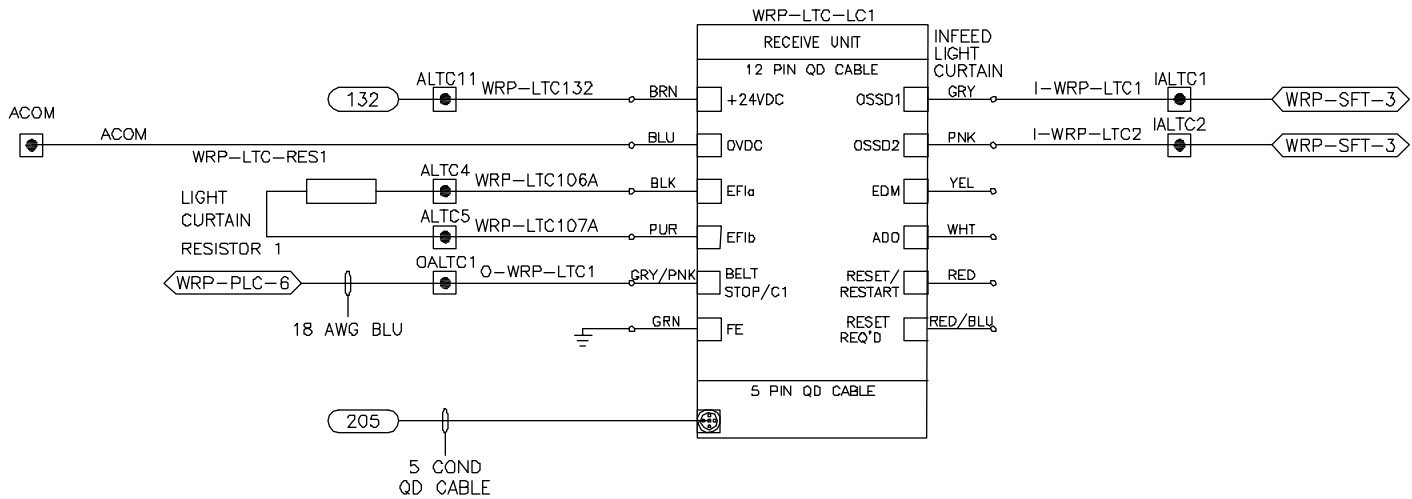


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TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC			
VERSION V23.2.21		MODULE NAME SAFETY CONTACTORS	
SIZE D	DRAWING REFERENCE 30275842	SHEET 19	OF 47
DATE 28 Oct 2024		ENGINEER AJM	DRAWING NUMBER 30292390

DETAIL FOR SICK RLY3-OSSD400

MODULE

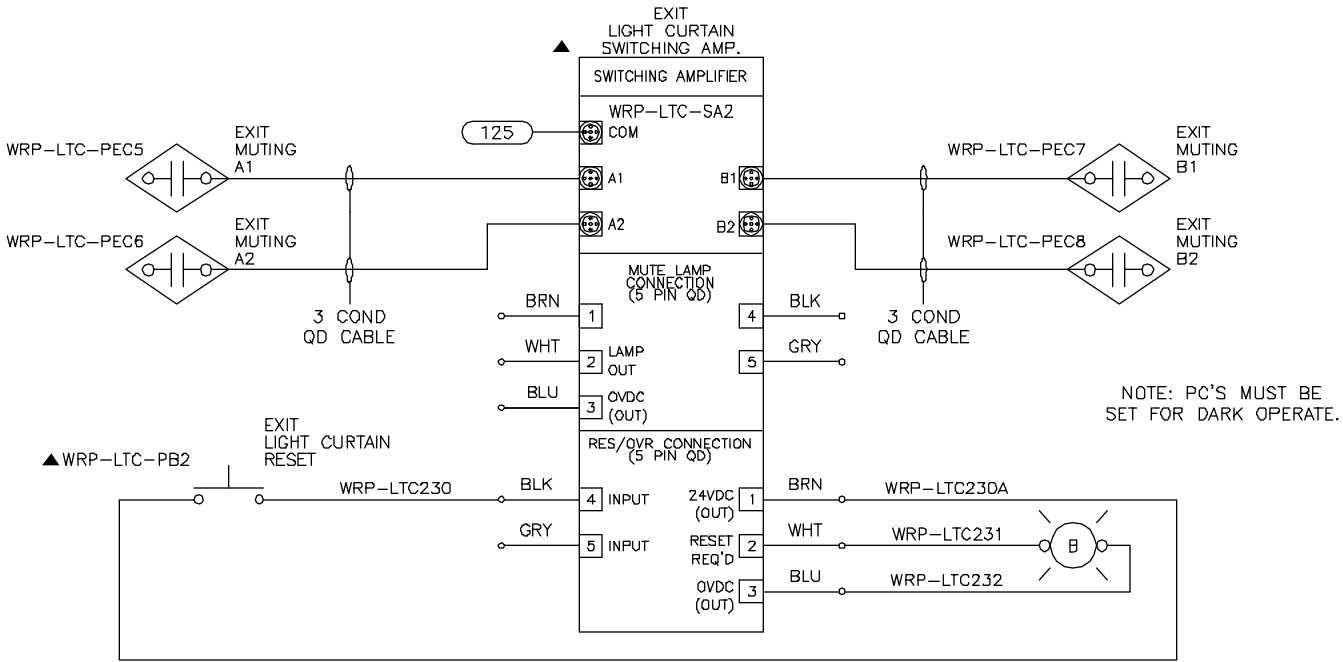
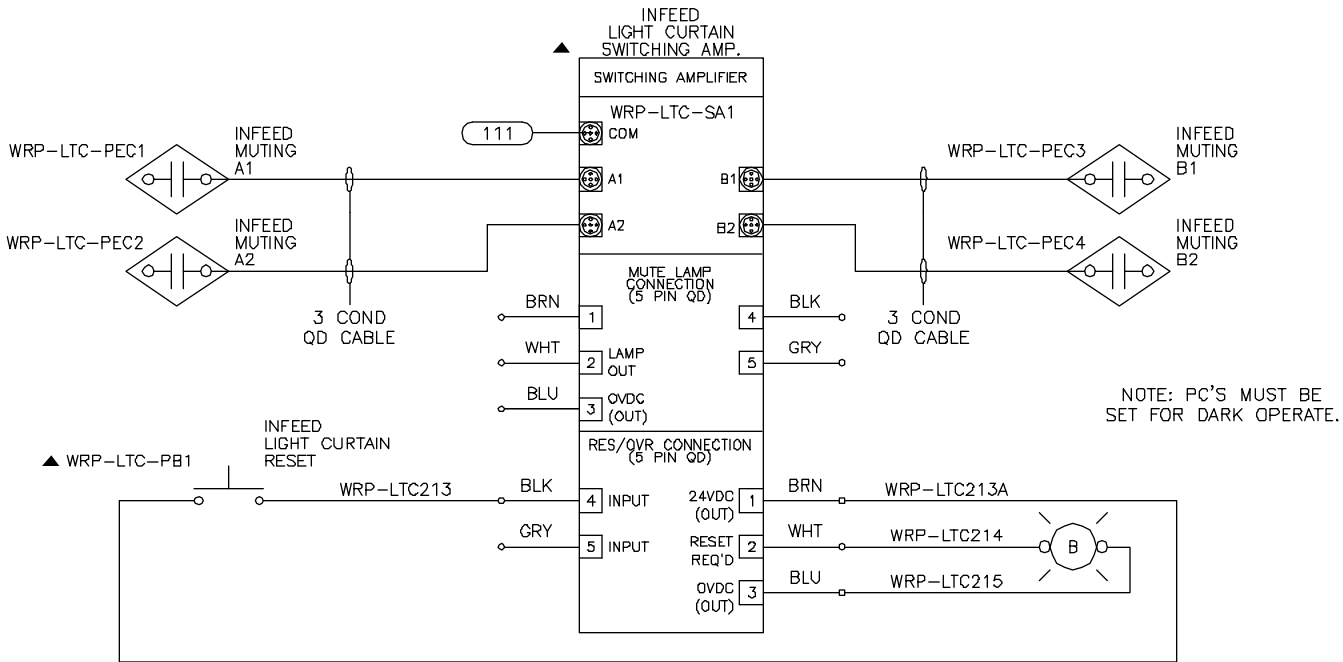
WRP-LTC-1



SICK M4000 ADVANCED LIGHT CURTAIN CONFIGURATION	
DESCRIPTION	SETTING
GENERAL	
ASSIGNMENT APPLICATION DIAGNOSTIC OUTPUT	OSSD STATUS (HIGH ACTIVE)
EXTERNAL DEVICE MONITORING	INACTIVE
BEAM CODING	CODE 1
SCANNING RANGE	LOW SCANNING RANGE
EXPECTED DEVICE ADDRESS BY M4000	DEVICE ADDRESS 14 (STANDARD)
ROTATION OF THE 7-SEGMENT DISPLAY	UNCHECKED
RESTART INTERLOCK	INTERNAL
I/O CONFIGURATION	
SENSOR TEST	A1, A2
SENSOR GAP MONITORING	A1, A2
CONCURRENCE MONITORING	A1, A2
DIRECTION DETECTION / SEQUENCE MONITORING	A1, A2, B1, B2
EXIT MONITORING	A1, A2
END OF MUTING BY ESPE	A1, A2
TOTAL MUTING TIME	A1, A2
INTEGRATED OVERRIDE FUNCTION	RES/OVR, A1, A2
MONITORING	A1, A2
MUTING ON C1	A1, A2
BELT STOP	A1, A2, BELT STOP
RESTART INTERLOCK	RES/OVR
SENSOR CONFIGURATION	
SENSOR TEST	UNCHECKED
SENSOR GAP MONITORING	MONITORING ACTIVE
	250
CONCURRENCE MONITORING	UNCHECKED
MUTING CONFIGURATION	
DIRECTION DETECTION / SEQUENCE MONITORING	WITHOUT
END OF MUTING BY ESPE	AFTER MUTING SENSOR UNOCCUPIED
MONITORING OF THE TOTAL MUTING TIME	UNCHECKED
PERMISSIBLE NUMBER OF OVERRIDE STATES	5
MONITORING THE MUTING LAMP	UNCHECKED
EXIT MONITORING	UNCHECKED

Lantech			
TITLE		SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC	
VERSION	V23.2.21	MODULE NAME	
		LIGHT CURTAIN	
SIZE	D	DRAWING REFERENCE	30275842
		SHEET	20 OF 47
DATE	28 Oct 2024	ENGINEER	AJM
		DRAWING NUMBER	30292390

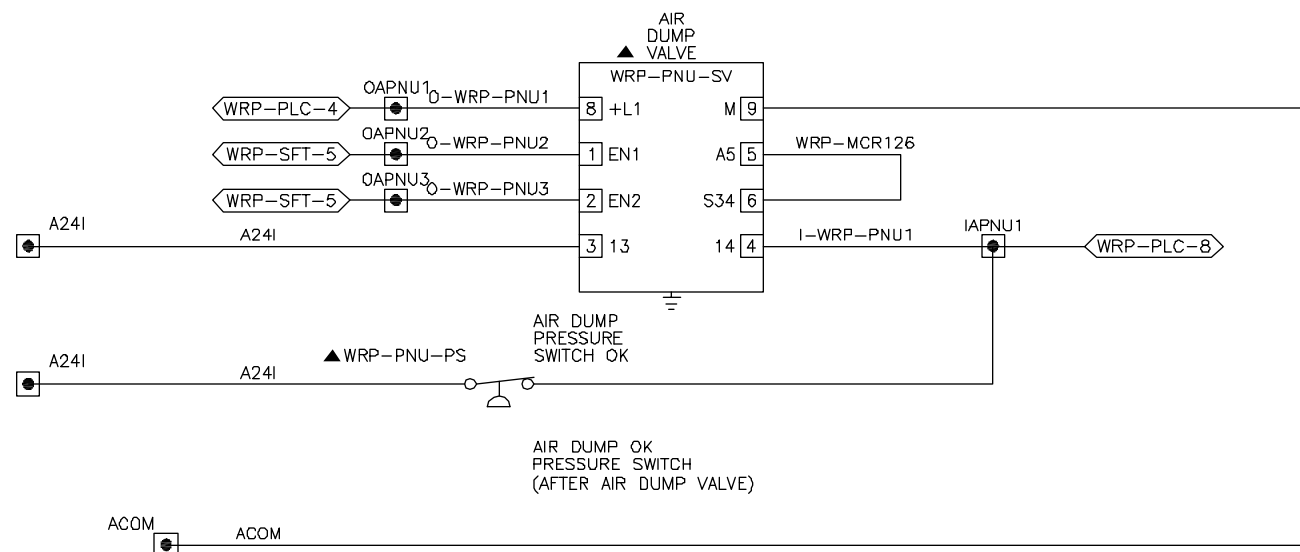
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TITLE			
SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC			
VERSION		MODULE NAME	
V23.2.21		LIGHT CURTAIN	
SIZE	DRAWING REFERENCE	SHEET	OF
D	30275842	21	47
DATE	ENGINEER	DRAWING NUMBER	
28 Oct 2024	AJM	30292390	

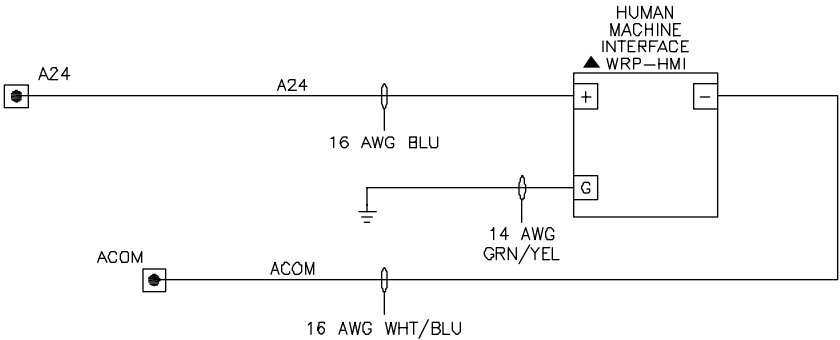
MODULE WRP-PNU-1

MODULE WRP-PNU-1

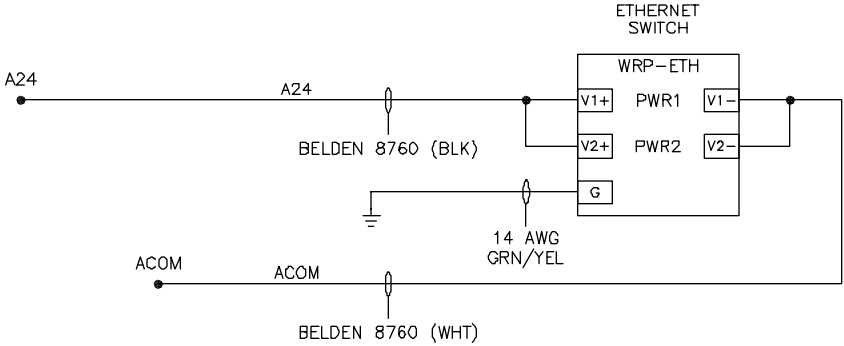


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		TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC — COMPACT GUARDLOGIX PLC	
		VERSION V23.2.21	MODULE NAME PNEUMATIC DUMP
		SIZE D	DRAWING REFERENCE 30275842
		SHEET 22	OF 47
THIS SHEET IS A DRAWING OF THE LANTCHEX (CH) CONTAINER HEREIN IS PROPRIETARY AND PROPERTY OF LANTCHEX, INC.		DATE 28 Oct 2024	ENGINEER AJM
		DRAWING NUMBER 30292390	

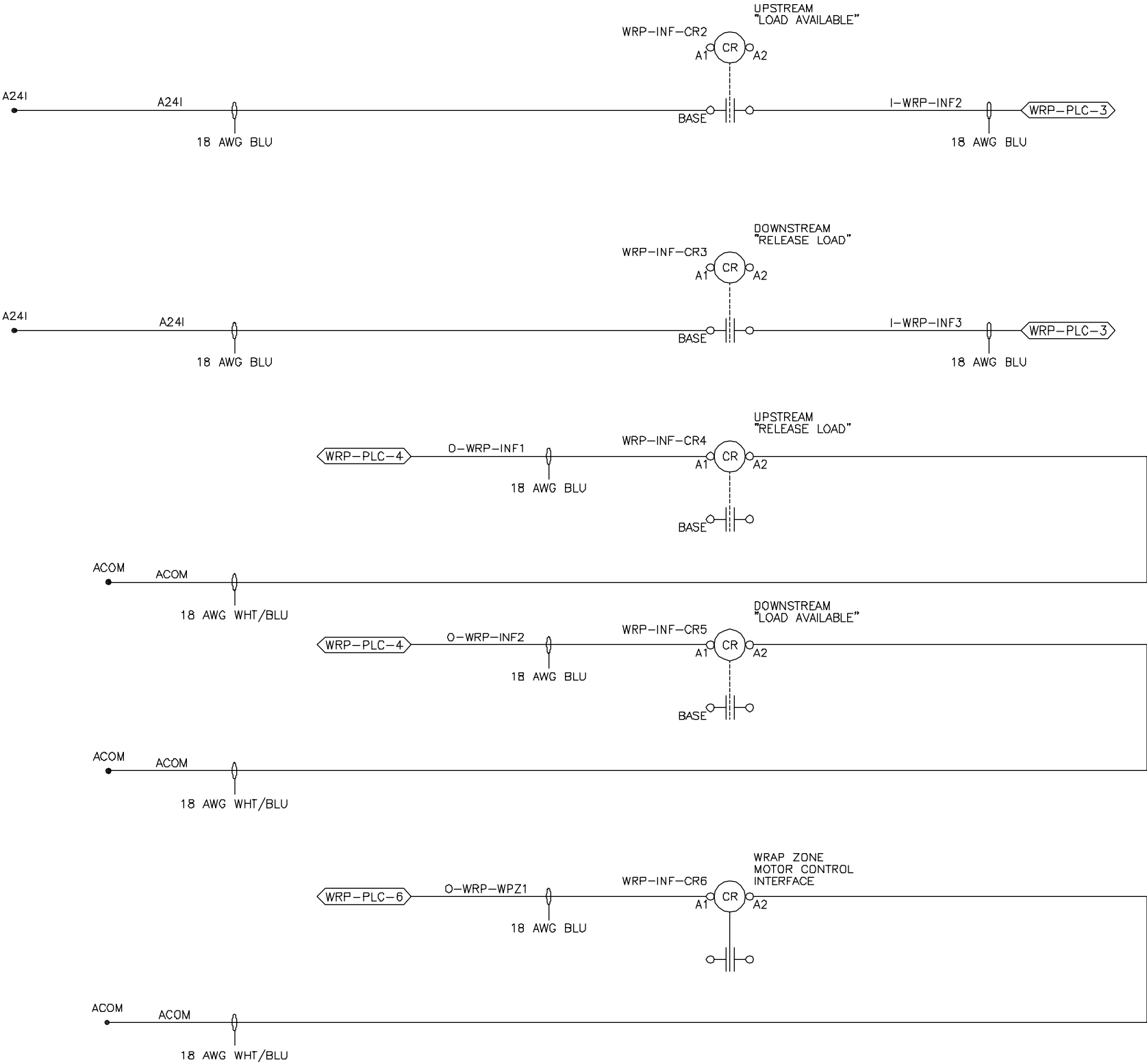
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	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME HUMAN MACHINE INTERFACE	
	SIZE D	DRAWING REFERENCE 30275842	SHEET OF 23 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME ETHERNET	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 24 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



CUSTOMER SUPPLIED
24VDC SIGNAL
UPSTREAM LOAD AVAILABLE
INTERFACE – ENERGIZE
WHEN UPSTREAM LOAD IS
READY TO ENTER
WRAPPER.

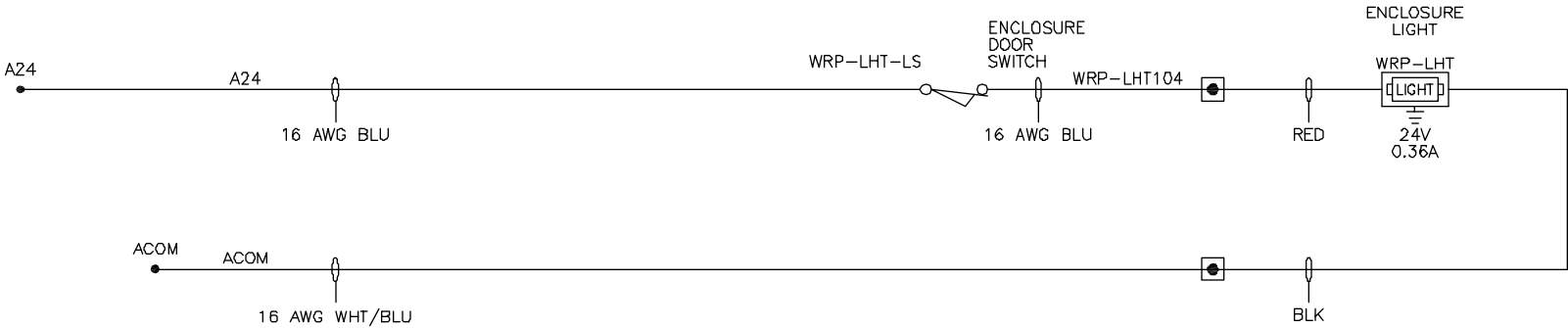
CUSTOMER SUPPLIED
24VDC SIGNAL
DOWNSTREAM RELEASE
LOAD INTERFACE –
ENERGIZE WHEN
DOWNSTREAM CONVEYOR IS
READY TO ACCEPT LOAD.

UPSTREAM RELEASE LOAD
INTERFACE – ENERGIZED
WHEN WRAPPER IS READY
TO ACCEPT UPSTREAM
LOAD.

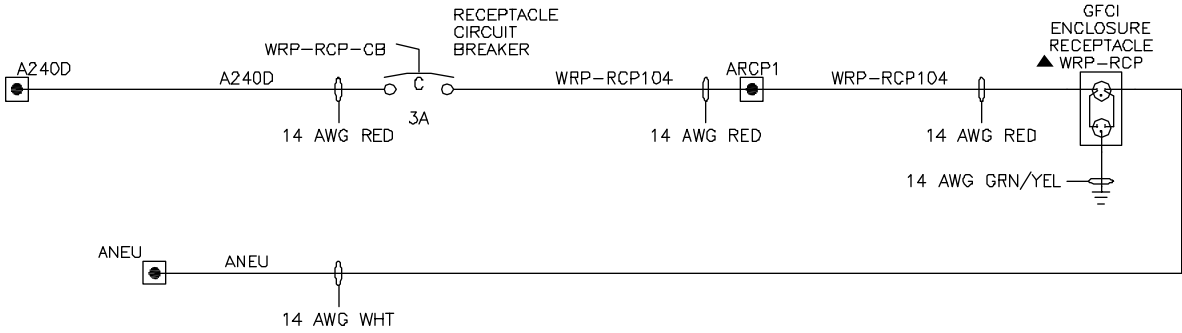
DOWNSTREAM RELEASE
LOAD INTERFACE –
ENERGIZE WHEN WRAPPER
IS READY TO DISCHARGE
LOAD DOWNSTREAM.

WRAP_ZONE CONVEYOR –
PERMIT TO RUN CONVEYOR

<div>Lantech</div>			
TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC – COMPACT GUARDLOGIX PLC			
VERSION V23.2.21		MODULE NAME INTERFACE RELAYS	
SIZE D	DRAWING REFERENCE 30275842		SHEET 25 OF 47
DATE 28 Oct 2024		ENGINEER AJM	DRAWING NUMBER 30292390

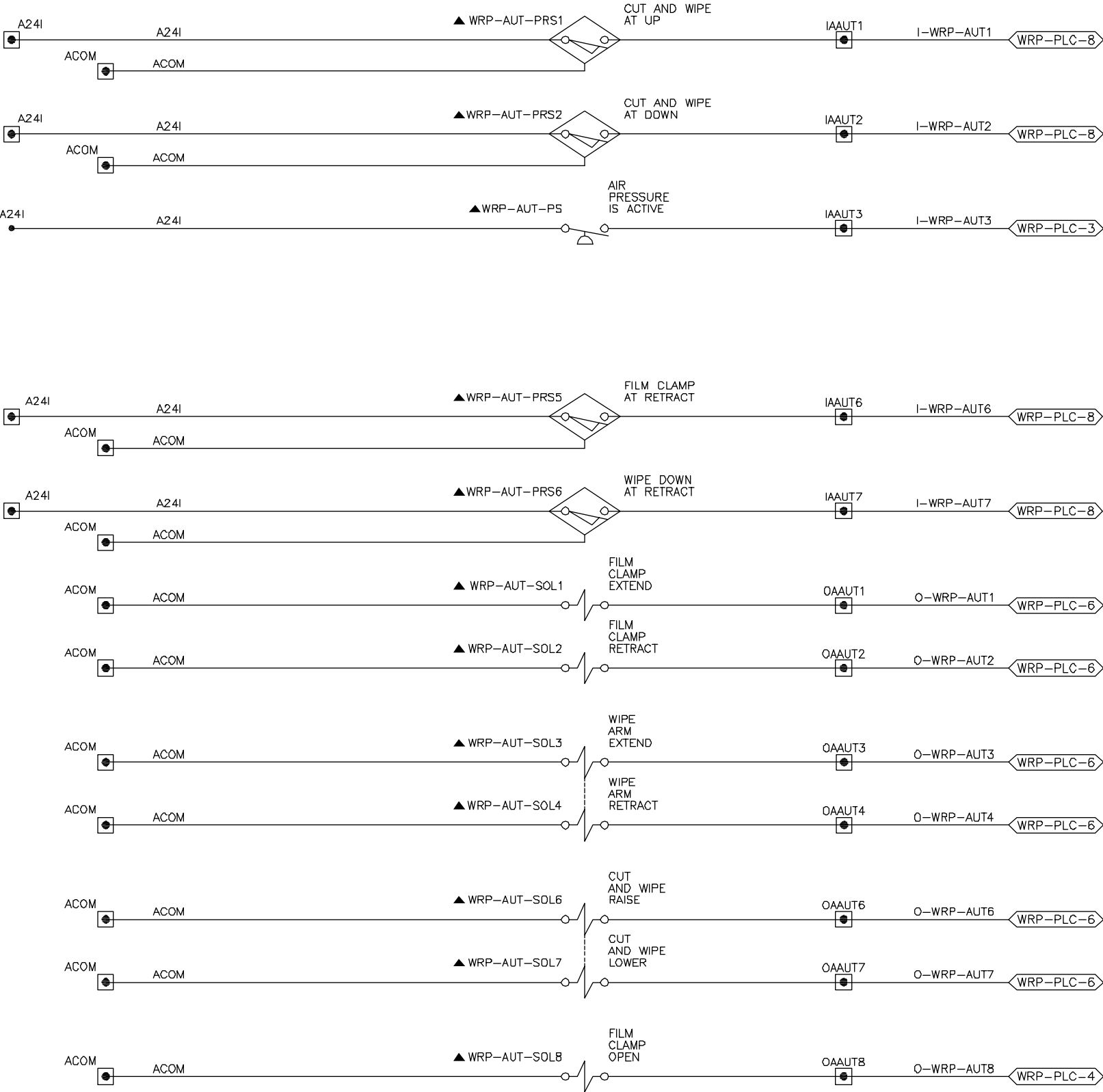


	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME ENCLOSURE LIGHT	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 26 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



GFCI RECEPTACLE
(3A MAX)
NOTE: FOR PROGRAMMING
USE ONLY!

	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME ENCLOSURE RECEPTACLE	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 27 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

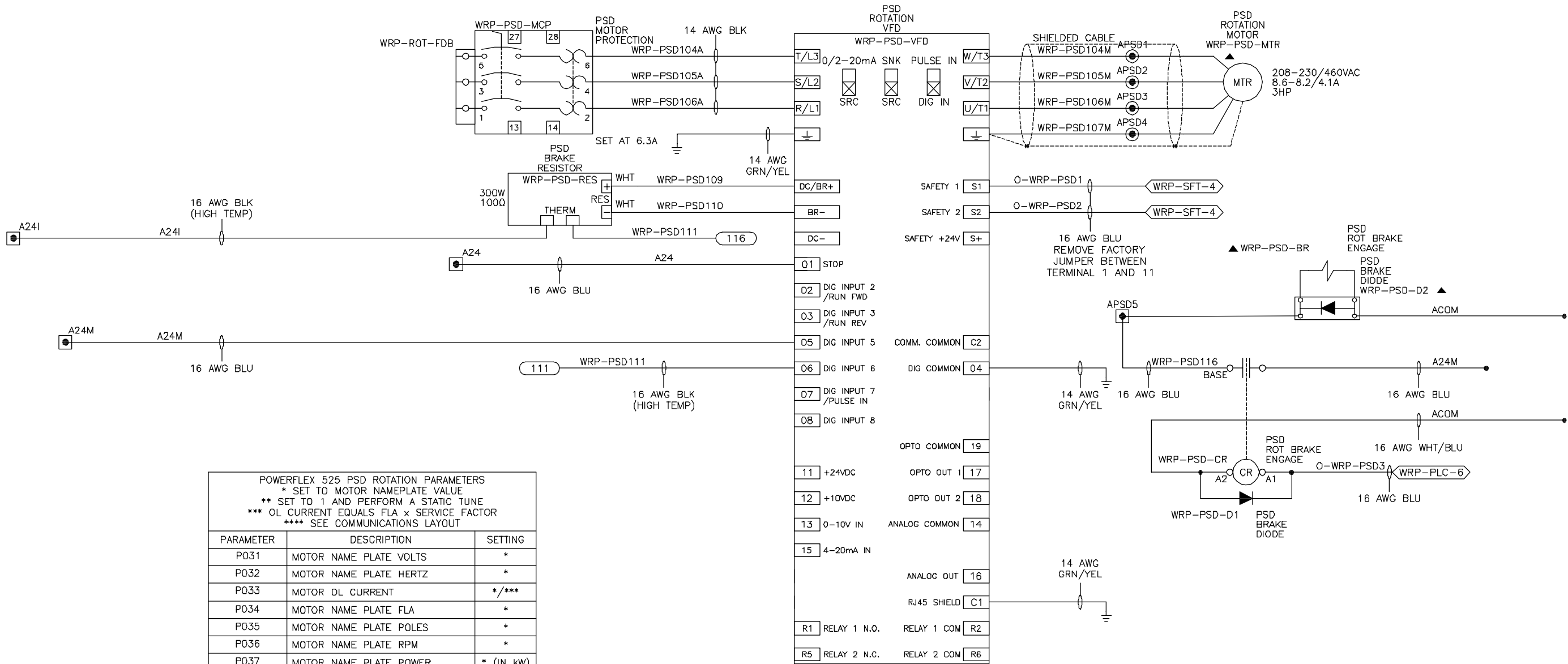


	Lantech		
	TITLE		
	SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION	MODULE NAME	
	V23.2.21	AUTOMATION UNIT	
	SIZE	DRAWING REFERENCE	SHEET OF
	D	30275842	28 47
	DATE	ENGINEER	DRAWING NUMBER
	28 Oct 2024	AJM	30292390

DETAIL FOR POWERFLEX 525 PSD VFD

MODULE

WRP-PSD-1



POWERFLEX 525 PSD ROTATION PARAMETERS		
* SET TO MOTOR NAMEPLATE VALUE		
** SET TO 1 AND PERFORM A STATIC TUNE		
*** OL CURRENT EQUALS FLA x SERVICE FACTOR		
**** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
P031	MOTOR NAME PLATE VOLTS	*
P032	MOTOR NAME PLATE HERTZ	*
P033	MOTOR OL CURRENT	*/***
P034	MOTOR NAME PLATE FLA	*
P035	MOTOR NAME PLATE POLES	*
P036	MOTOR NAME PLATE RPM	*
P037	MOTOR NAME PLATE POWER	*(IN kW)
P040	AUTOTUNE	**
P041	ACCELERATION TIME 1	2.00
P042	DECELERATION TIME 1	0.50
P044	MAXIMUM FREQUENCY	75
P045	STOP MODE	3
P046	START SOURCE 1	5
P051	SPEED REFERENCE 3	15
t062	DIGIN TERMBLK 02	0
t063	DIGIN TERMBLK 03	0
t065	DIGIN TERMBLK 05	14
t066	DIGIN TERMBLK 06	12
t067	DIGIN TERMBLK 07	0
t068	DIGIN TERMBLK 08	0
t081	RELAY OUT 2 SEL	30

POWERFLEX 525 PSD ROTATION PARAMETERS		
* SET TO MOTOR NAMEPLATE VALUE		
** SET TO 1 AND PERFORM A STATIC TUNE		
*** OL CURRENT EQUALS FLA x SERVICE FACTOR		
**** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
A434	DC BRAKE TIME	3.0
A435	DC BRAKE LEVEL	3.0
A437	DB RESISTOR SEL	99
A438	DB THRESHOLD	100
A439	S CURVE %	25
A440	PWM FREQUENCY	4.0
A442	ACCEL TIME 2	1.0
A443	DECEL TIME 2	1.0
C128	EN ADDR SEL	1

POWERFLEX 525 PSD ROTATION PARAMETERS		
* SET TO MOTOR NAMEPLATE VALUE		
** SET TO 1 AND PERFORM A STATIC TUNE		
*** OL CURRENT EQUALS FLA x SERVICE FACTOR		
**** SEE COMMUNICATIONS LAYOUT		
PARAMETER	DESCRIPTION	SETTING
C129-C132	EN IP ADDR CFG	****
C133-C136	EN SUBNET CFG	****

PSD BRAKE
(ENERGIZE TO HOLD)

Lantech

TITLE
SCHEMATIC SLA009219 35RPM 480VAC 24VDC
- COMPACT GUARDLOGIX PLC

VERSION
V23.2.21

MODULE NAME
PALLET SQUARING DEVICE

SIZE
D 30275842

DRAWING REFERENCE
D 30275842

SHEET
29

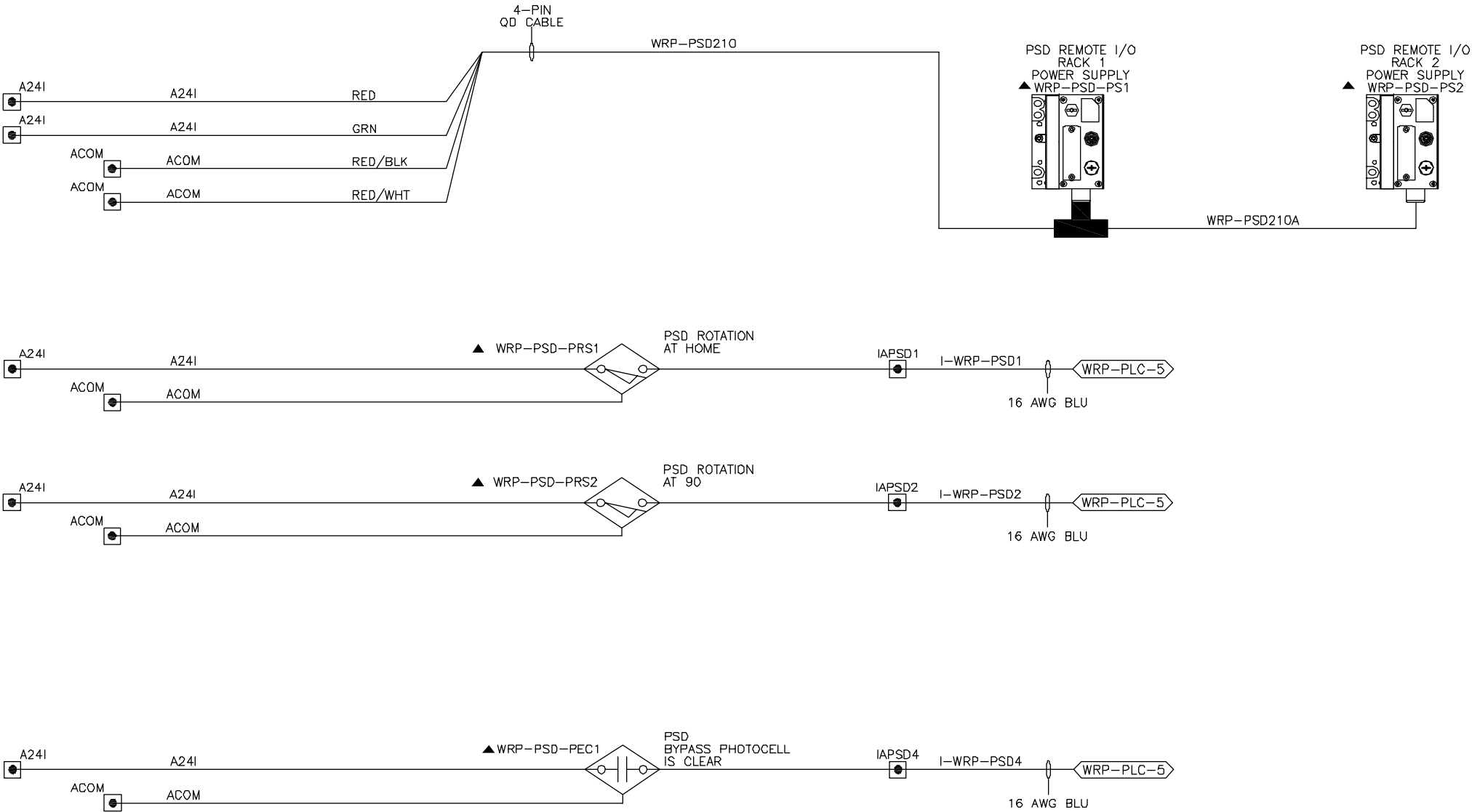
OF
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DATE
28 Oct 2024

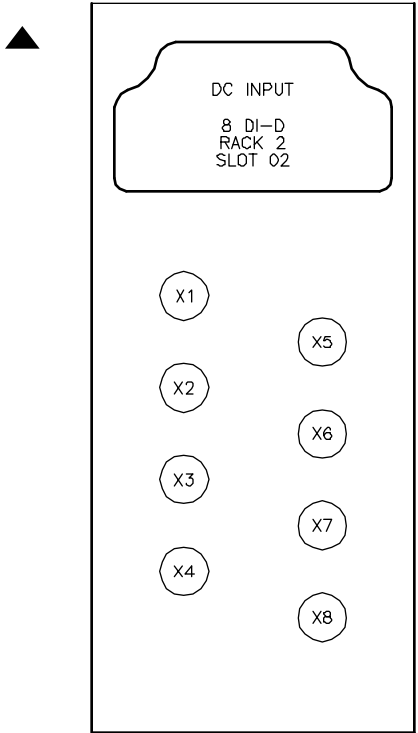
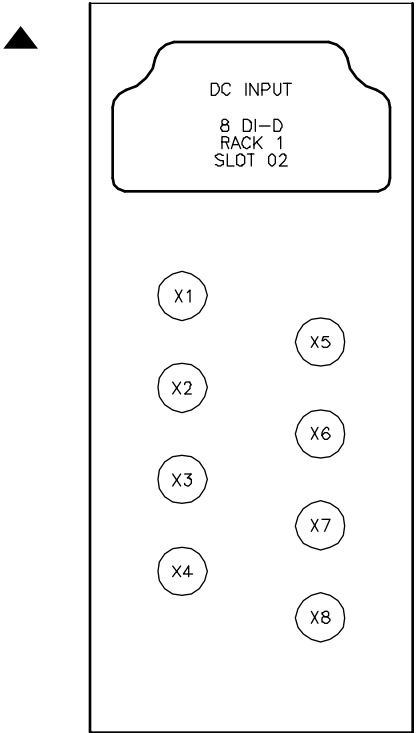
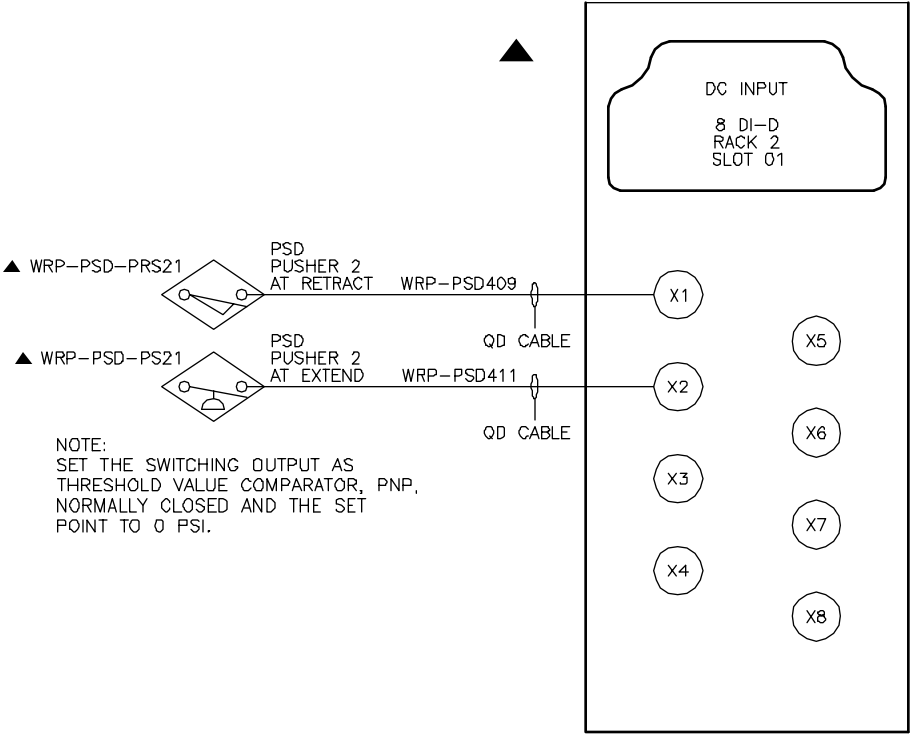
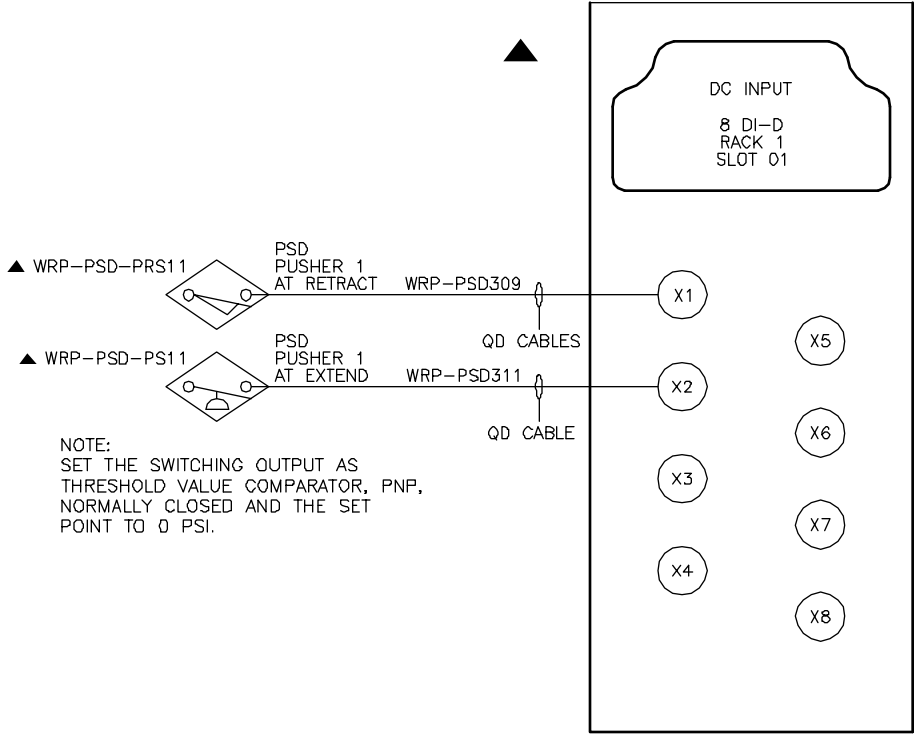
ENGINEER
AJM

DRAWING NUMBER
30292390

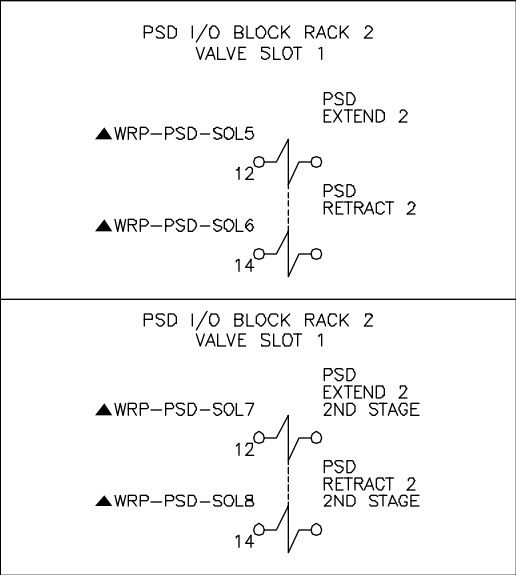
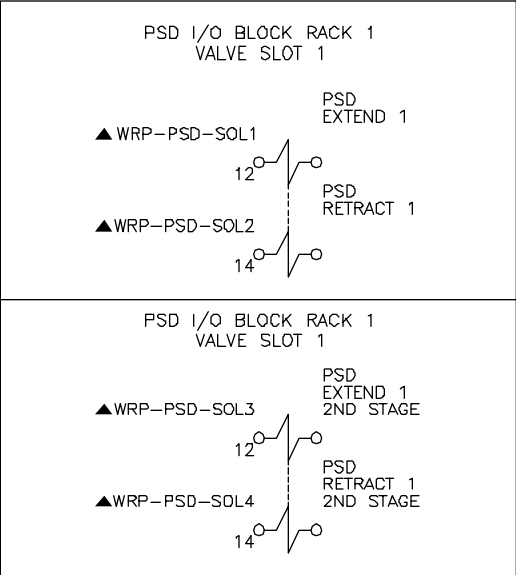
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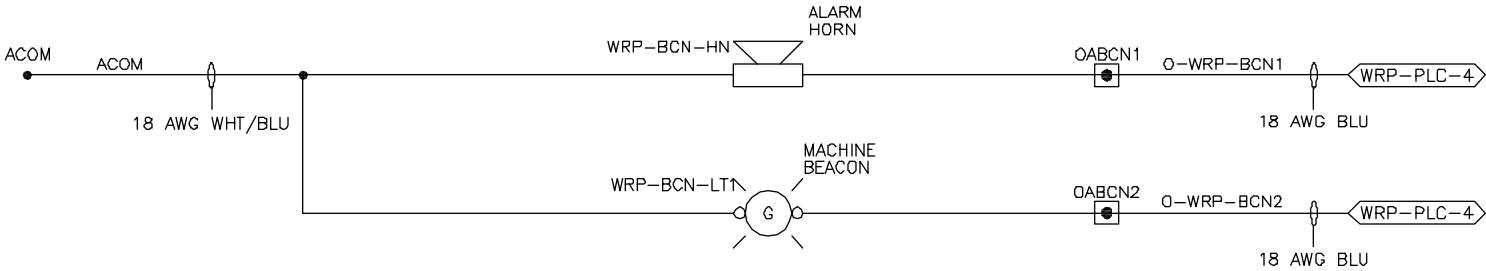
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	SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME PALLET SQUARING DEVICE	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 30 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



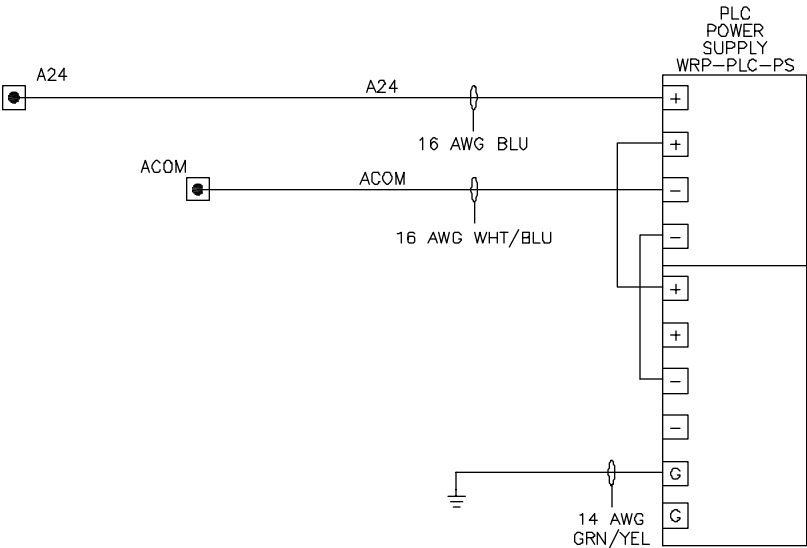
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				SIZE D	DRAWING REFERENCE 30275842
				DATE 28 Oct 2024	ENGINEER AJM
				DRAWING NUMBER 30292390	
				SHEET OF 31 47	



	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME PALLET SQUARING DEVICE	
	SIZE D	DRAWING REFERENCE 30275842	SHEET OF 32 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



	<div>Lantech</div>		
	TITLE		
	SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME ENCLOSURE BEACON	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 33 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME LOGIC CONTROLLER	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 34 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

MODULE

WRP-PLC-2

HIGH SPEED COUNTER

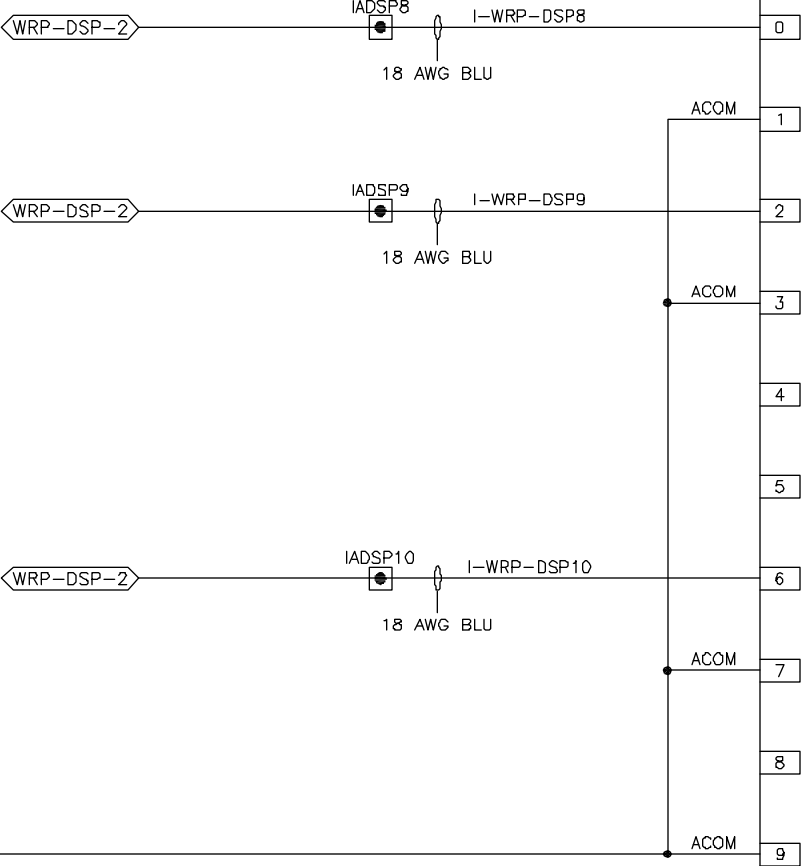
5069-HSC
SLOT 1

S1 ROLLER
ENCODER
"PULSE A"

S1 ROLLER
ENCODER
"PULSE B"

RS2 ROLLER
ENCODER
"PULSE A"

ACOM
18 AWG WHT/BLU



Lantech

TITLE
SCHEMATIC SLA009219 35RPM 480VAC 24VDC
- COMPACT GUARDLOGIX PLC

VERSION
V23.2.21

MODULE NAME
LOGIC CONTROLLER

SIZE
D

DRAWING REFERENCE
30275842

SHEET
35

OF
47

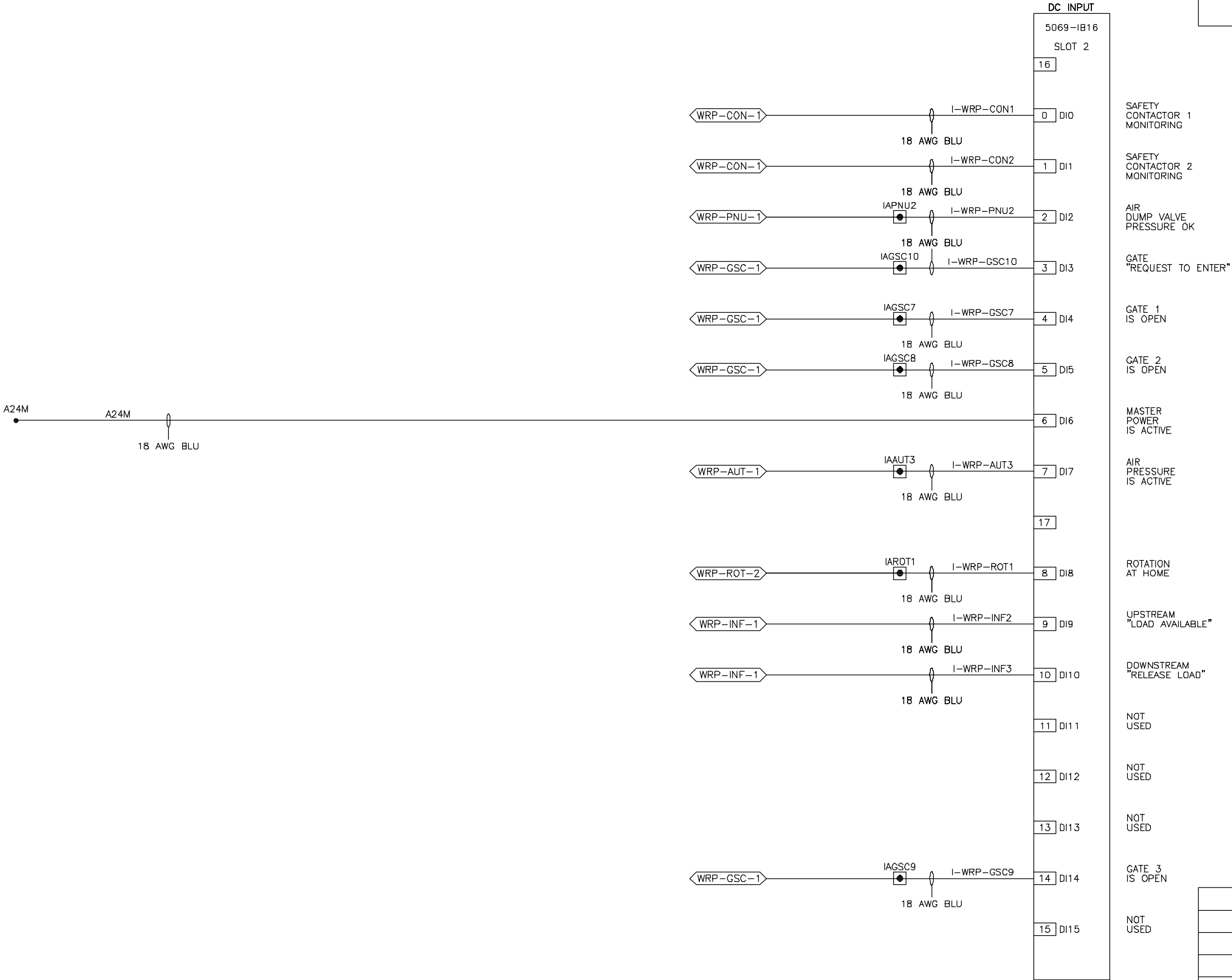
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ENGINEER
AJM

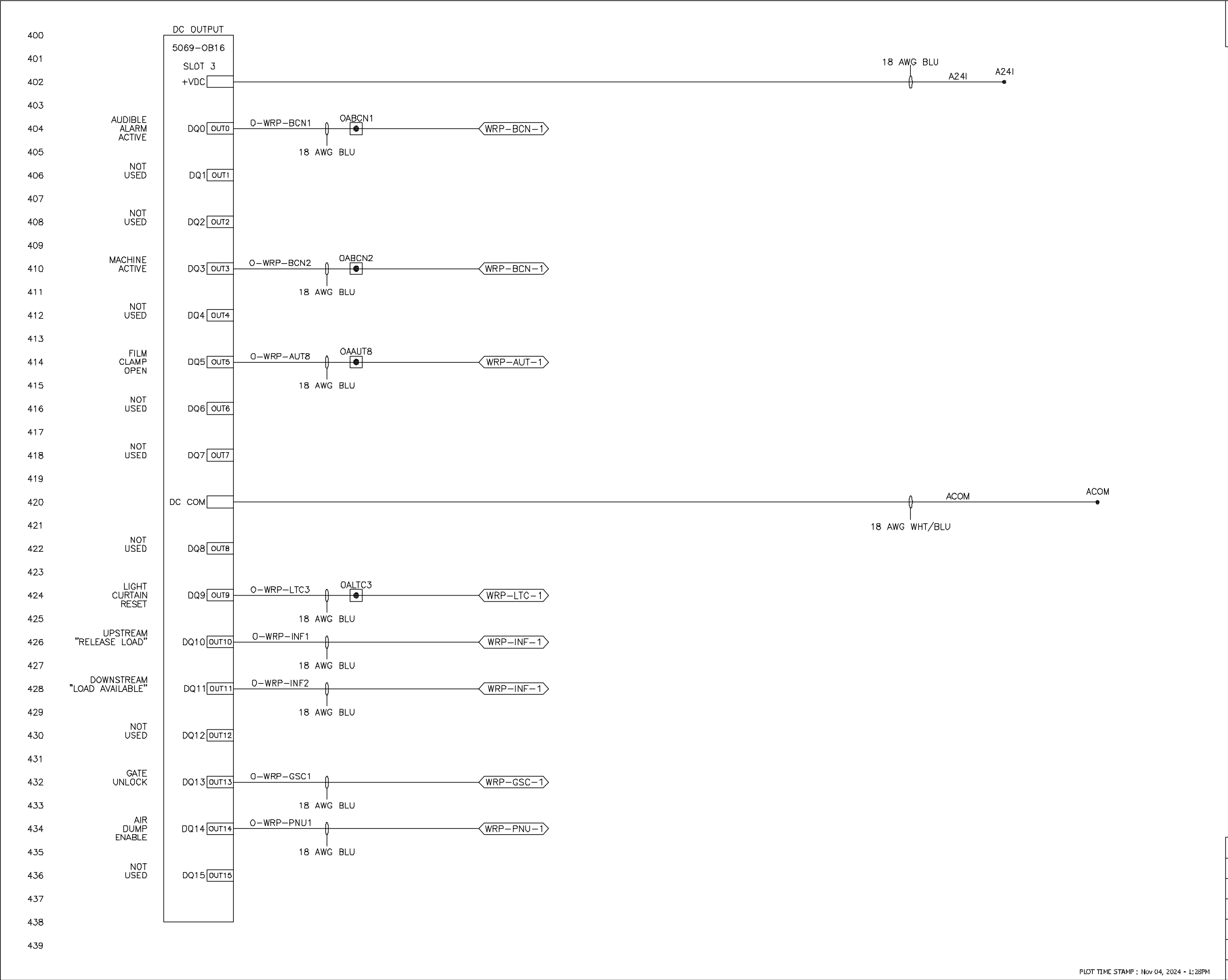
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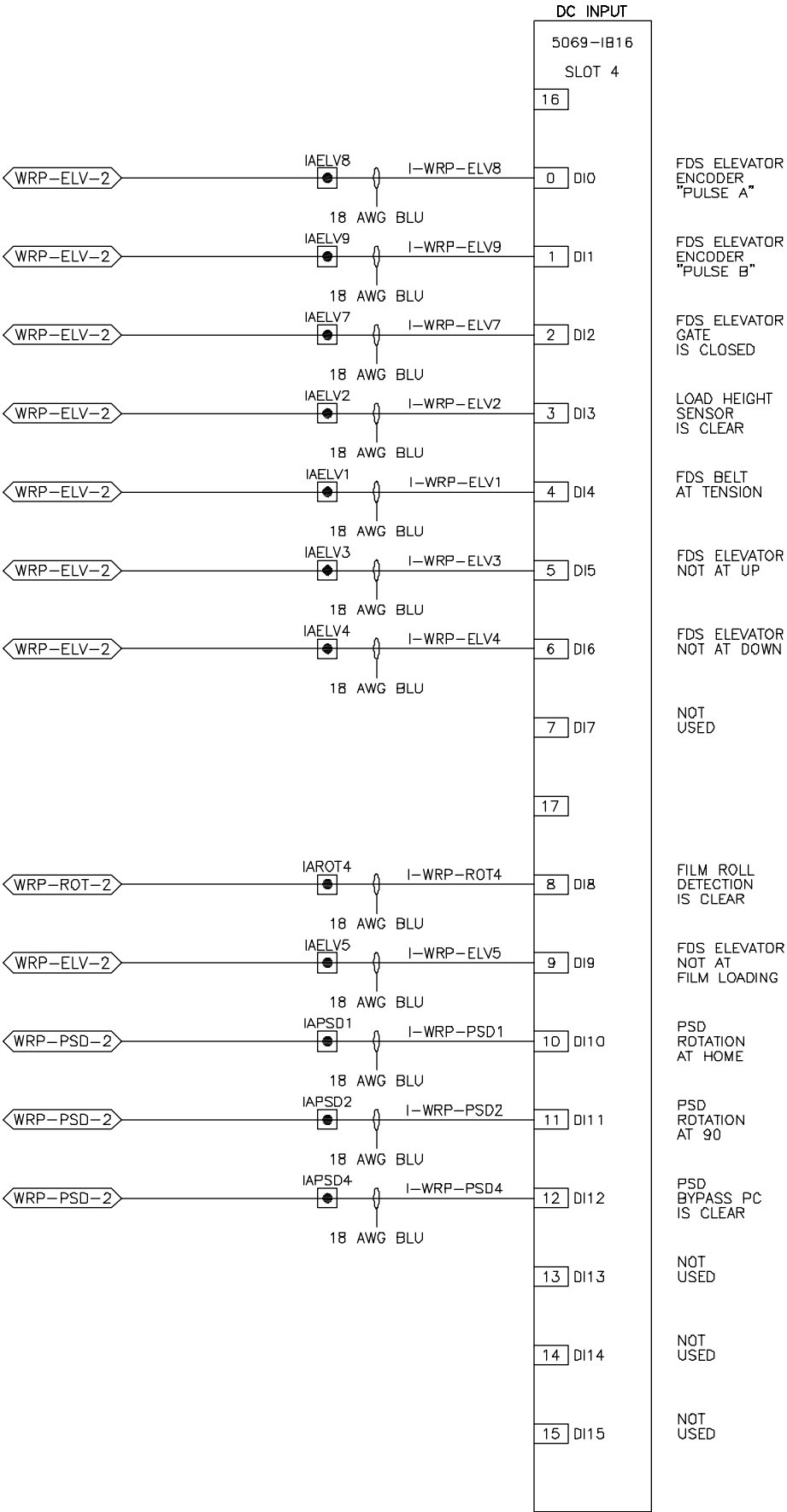
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HEREIN IS PROPRIETARY AND PROPERTY OF LANTECH, INC.



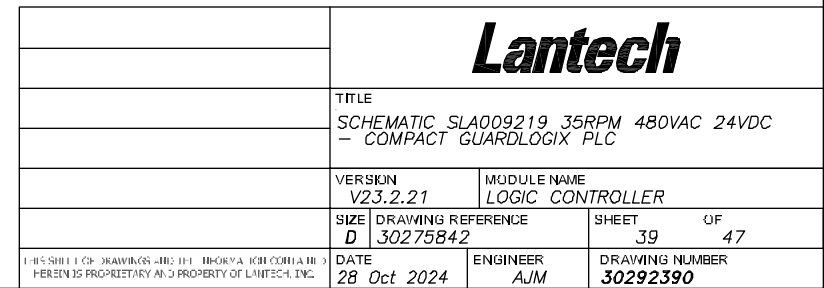
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		V23.2.21		LOGIC CONTROLLER	
		SIZE	DRAWING REFERENCE		SHEET OF
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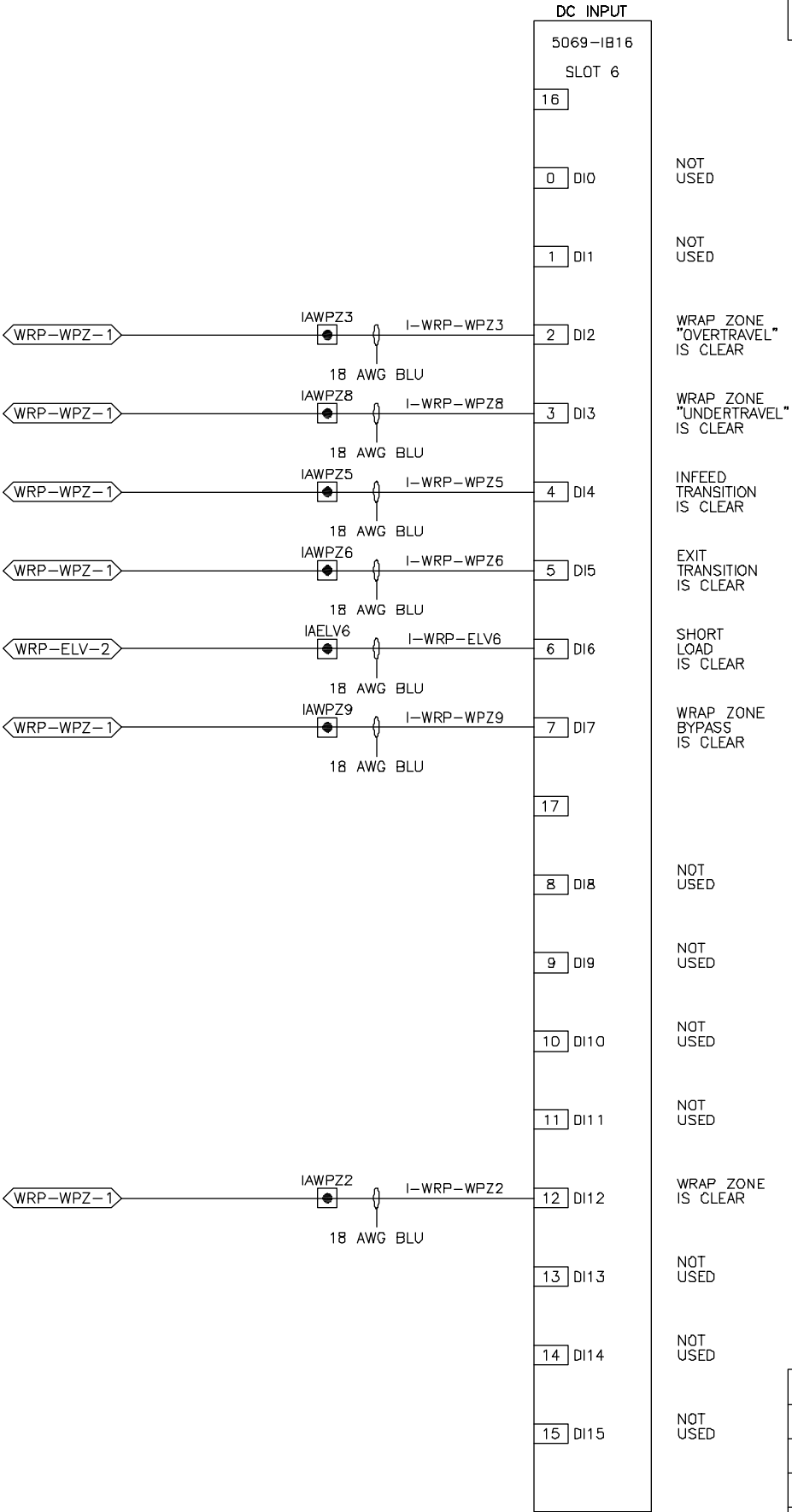


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	SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION	MODULE NAME	
	V23.2.21	LOGIC CONTROLLER	
	SIZE	DRAWING REFERENCE	SHEET OF
	D	30275842	37 47
	DATE	ENGINEER	DRAWING NUMBER
	28 Oct 2024	AJM	30292390



	<div>Lantech</div>		
	TITLE		
	SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION	MODULE NAME	
	V23.2.21	LOGIC CONTROLLER	
	SIZE	DRAWING REFERENCE	SHEET OF
	D	30275842	38 47
	DATE	ENGINEER	DRAWING NUMBER
	28 Oct 2024	AJM	30292390





PLOT TIME STAMP : Nov 04, 2024 - 1:29PM

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	TITLE		
	SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION	MODULE NAME	
	V23.2.21	LOGIC CONTROLLER	
	SIZE	DRAWING REFERENCE	SHEET OF
	D	30275842	40 47
	DATE	ENGINEER	DRAWING NUMBER
	28 Oct 2024	AJM	30292390

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ACOM

ACOM

18 AWG WHT/BLU

ACOM

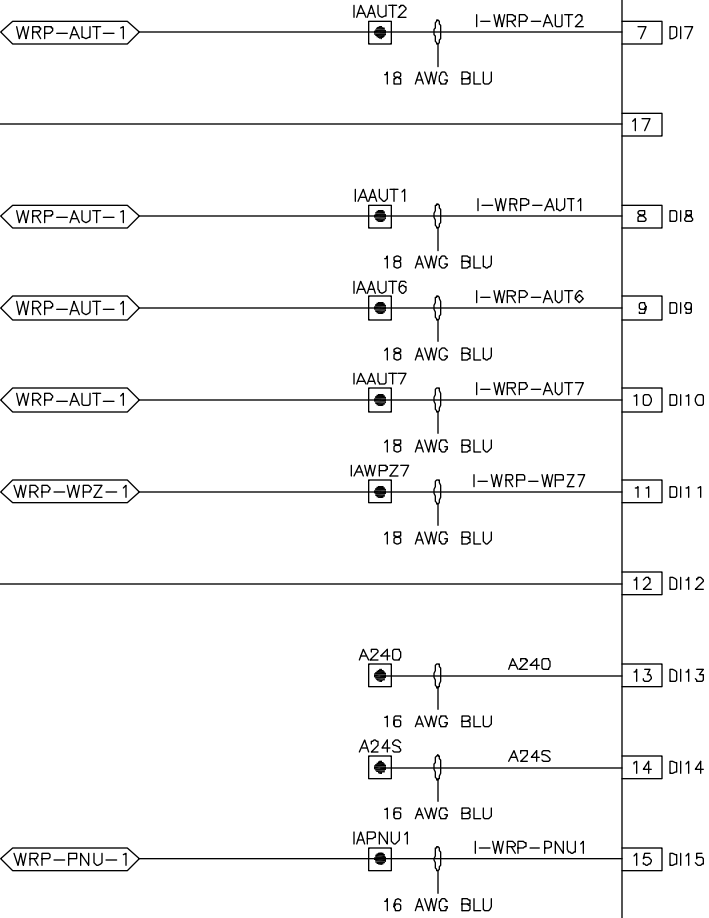
ACOM

18 AWG WHT/BLU

A24I

A24I

18 AWG BLU



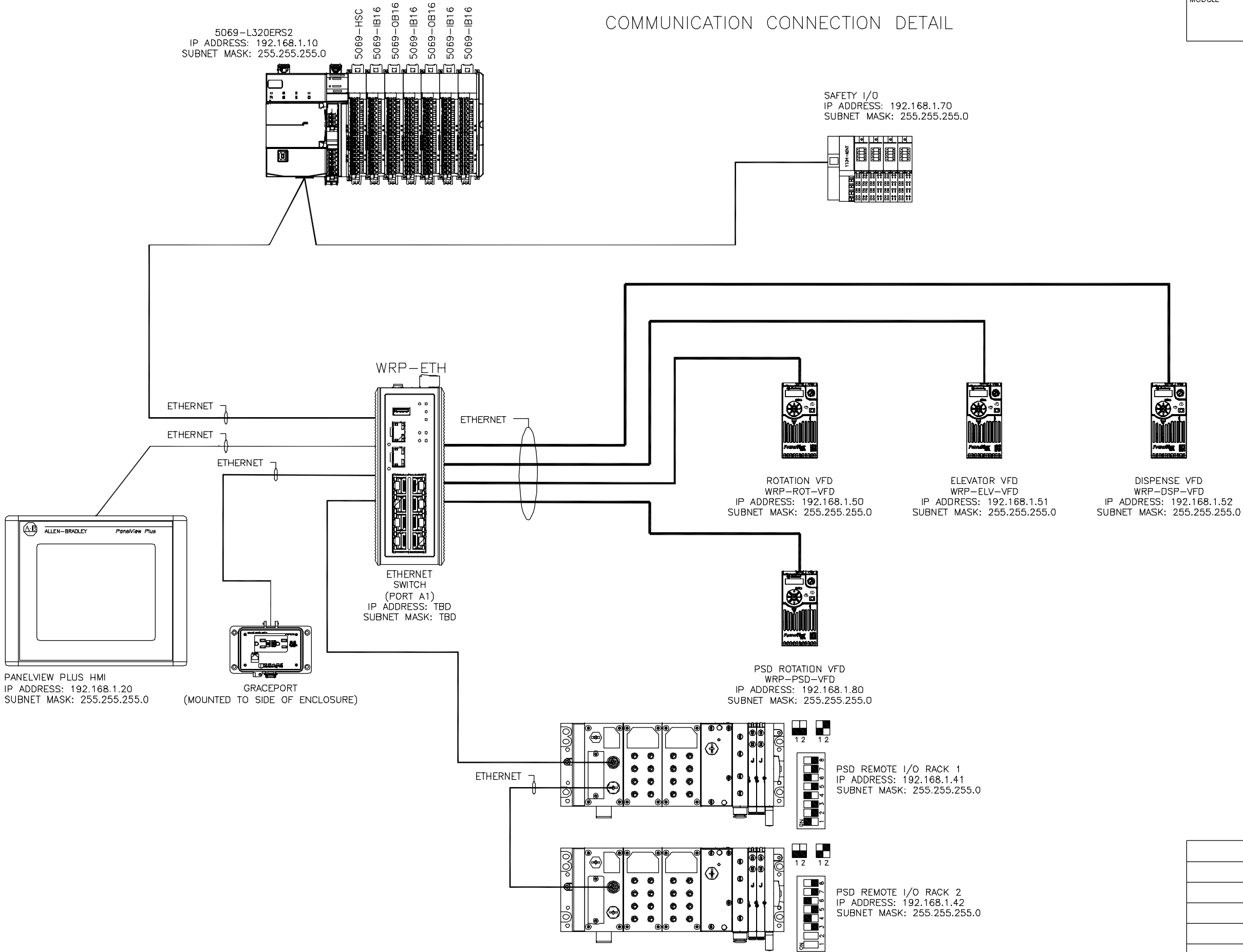
DC INPUT		
5069-IB16		
SLOT 7		
16		
0	DI0	NOT USED
1	DI1	NOT USED
2	DI2	NOT USED
3	DI3	NOT USED
4	DI4	NOT USED
5	DI5	NOT USED
6	DI6	NOT USED
7	DI7	CUT AND WIPE AT DOWN
17		
8	DI8	CUT AND WIPE AT UP
9	DI9	FILM CLAMP AT RETRACT
10	DI10	WIPE DOWN AT RETRACT
11	DI11	WRAP_ZONE CENTERING IS CLEAR
12	DI12	INPUT POWER IS ACTIVE
13	DI13	OUTPUT POWER IS ACTIVE
14	DI14	SAFETY POWER IS ACTIVE
15	DI15	AIR DUMP MONITORING

PLOT TIME STAMP : Nov 04, 2024 - 1:29PM

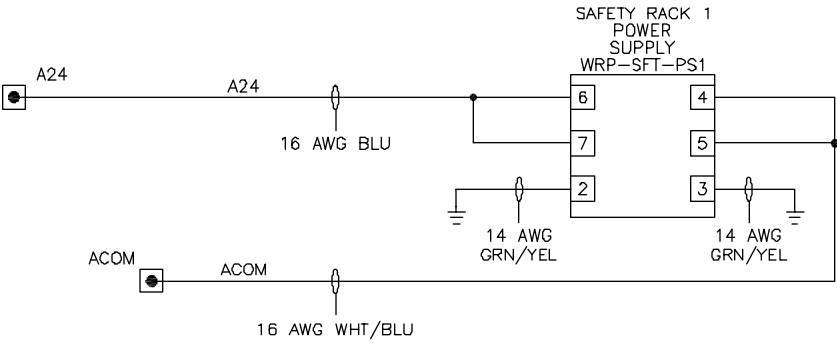
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			- COMPACT GUARDLOGIX PLC		
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			V23.2.21		LOGIC CONTROLLER
			SIZE	DRAWING REFERENCE	SHEET OF
			D	30275842	41 47
			DATE	ENGINEER	DRAWING NUMBER
			28 Oct 2024	AJM	30292390

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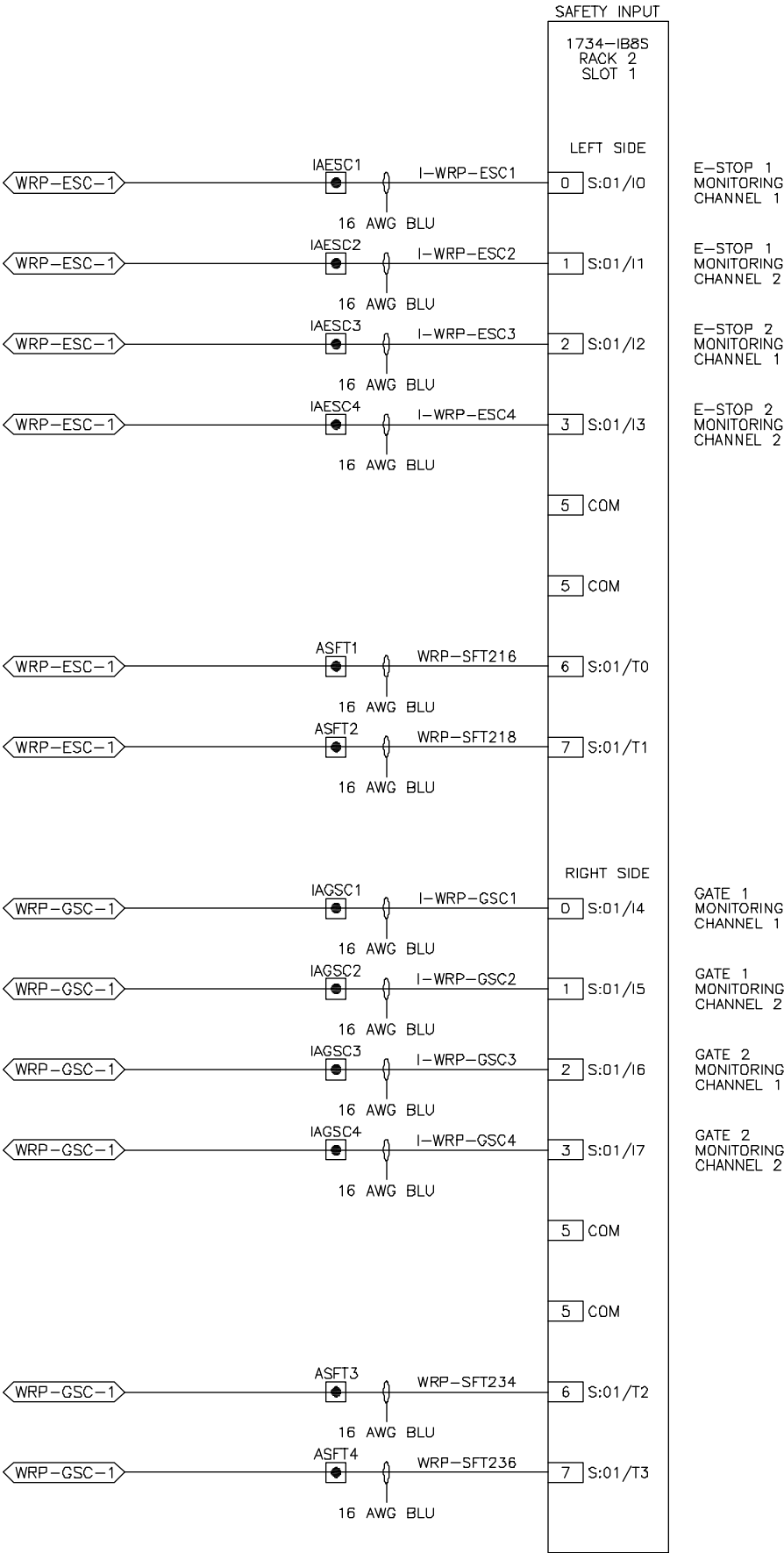
COMMUNICATION CONNECTION DETAIL



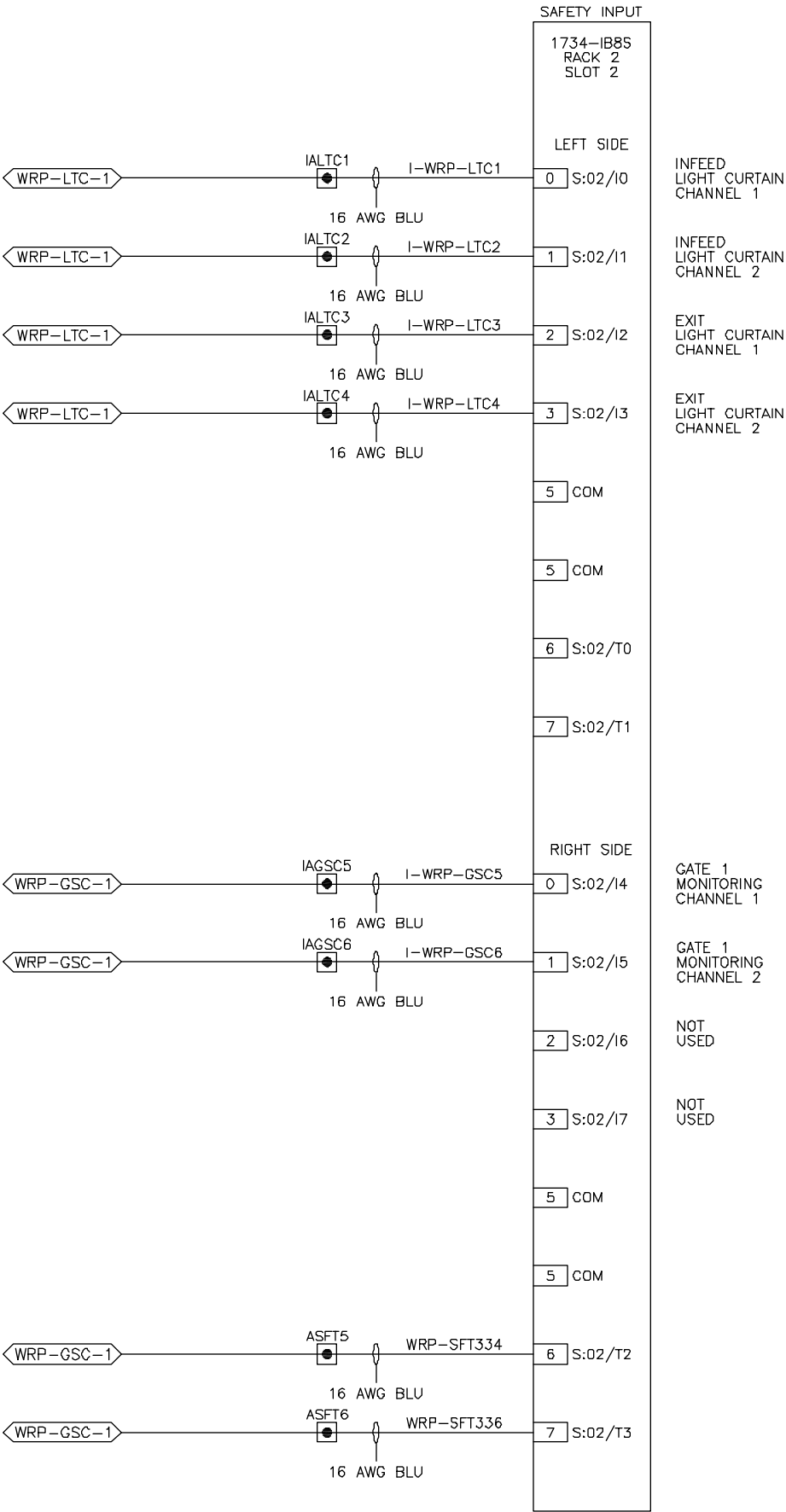
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TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC			
VERSION V23.2.21		MODULE NAME LOGIC CONTROLLER	
SIZE D	DRAWING REFERENCE 30275842	SHEET 42	OF 47
DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390	

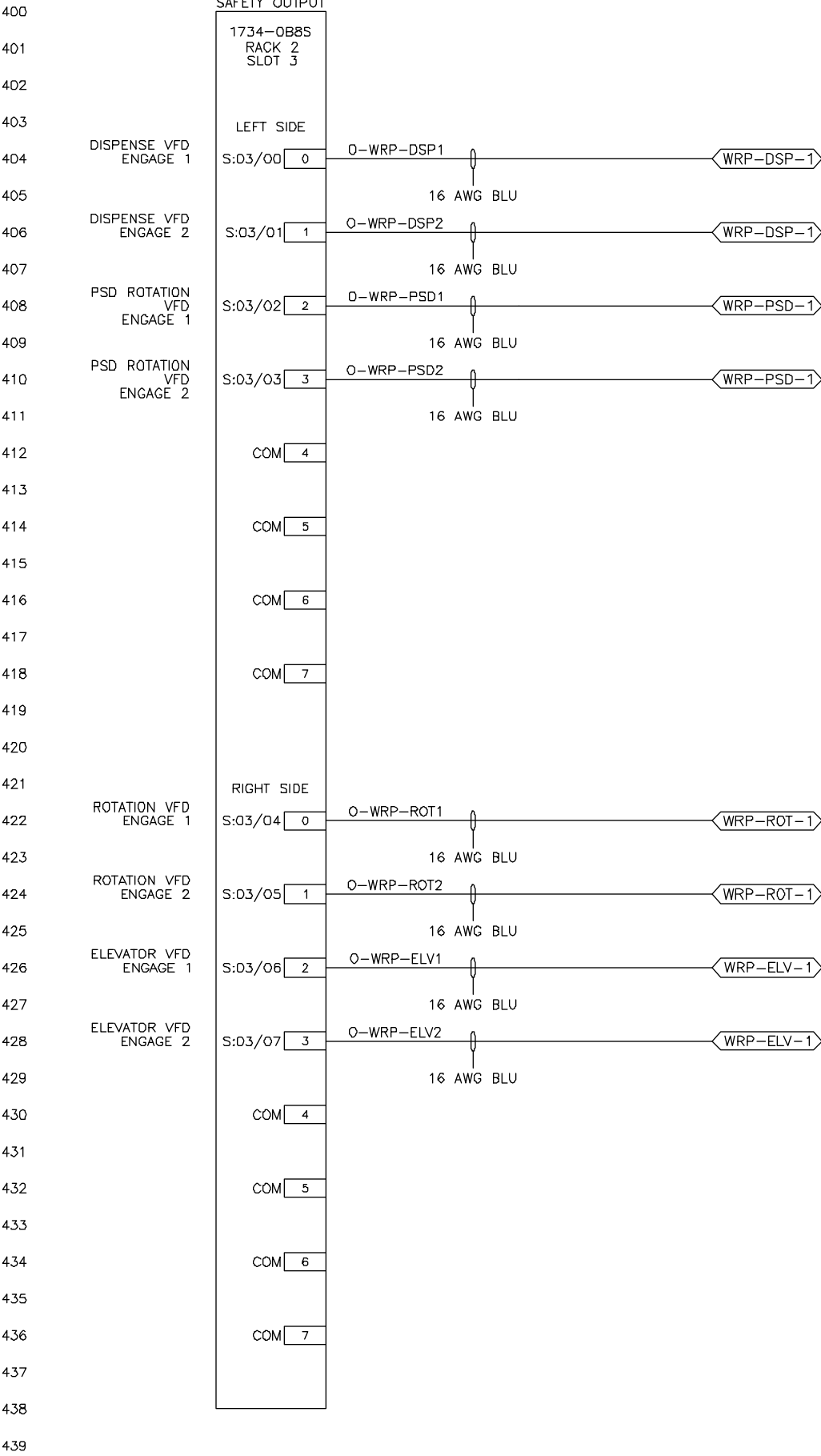


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	TITLE		
	SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME SAFETY I/O	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 43 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390



	<div>Lantech</div>		
	TITLE		
	SCHEMATIC SLA009219 35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION	MODULE NAME	
	V23.2.21	SAFETY I/O	
	SIZE	DRAWING REFERENCE	SHEET OF
	D	30275842	44 47
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	28 Oct 2024	AJM	30292390





	<div>Lantech</div>		
	TITLE SCHEMATIC SLA009219_35RPM 480VAC 24VDC - COMPACT GUARDLOGIX PLC		
	VERSION V23.2.21	MODULE NAME SAFETY I/O	
	SIZE D	DRAWING REFERENCE 30275842	SHEET 46 OF 47
	DATE 28 Oct 2024	ENGINEER AJM	DRAWING NUMBER 30292390

