



Bector Automation RML Ltd

Kuruli, Tal-Khed
 410501 Pune
 Phone. +91 20 30781208

Company / customer	Aspire			
Drawing Number	16550-0311			
Project description	Telephoinc System			
Commission	Bector Automation RML			
Manufacturer (company)	Bector Automation RML Ltd			
Project name	16550 Aspire_V.1			
Make	RML Engineering Ltd			
Type	Electrical Control System			
Place of installation	USA			
Responsible for project	Sahana I H			
Part feature				
Edit date	6/19/2025	by (short name) EPLAN	Number of pages	20

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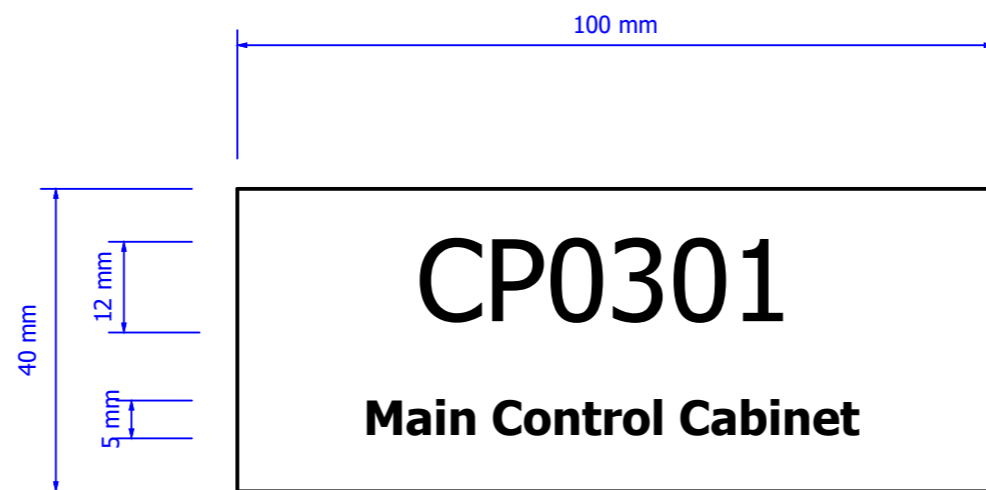
Assignment	Page	Page description	Page type	Date	Edited by
=Telephonic System +00					
Table of contents					
	001	Title page / cover sheet	Title page / cover sheet	4/16/2025	EPLAN
	002	Table of contents : =Telephonic System+00/001 - =Telephonic System+OP0301/4	Table of contents	6/19/2025	EPLAN
=Telephonic System +CP0301					
Main Control Cabinet					
	1	Title page / cover sheet	Title page / cover sheet	4/16/2025	EPLAN
	2	Panel Label	Graphic	4/16/2025	EPLAN
	4	Technical Information	Overview	6/19/2025	EPLAN
	5	Control Panel Layout	Panel layout	4/16/2025	EPLAN
	6	Control Panel Plinth Layout	Panel layout	4/22/2025	EPLAN
	7	Gear Plate Layout	Panel layout	4/16/2025	EPLAN
	8	Network: Robot WAN Switch	Schematic multi-line	4/16/2025	EPLAN
	9	Power Distribution: 220V Supply	Schematic multi-line	6/19/2025	EPLAN
	10	Power Distribution: Safety Device Connection	Schematic multi-line	6/19/2025	EPLAN
	11	Power Distribution: Power Terminals	Schematic multi-line	6/19/2025	EPLAN
	12	Power Distribution: 24VDC Power Supply	Schematic multi-line	6/19/2025	EPLAN
	13	Power Distribution: Cabinet Cooling System	Schematic multi-line	6/19/2025	EPLAN
	13.a	Power Distribution: MO6401 Side Shift Servo 1	Schematic multi-line	6/19/2025	EPLAN
	13.b	Control System: Controller	Schematic multi-line	4/16/2025	EPLAN
	14	Camera Connection	Schematic multi-line	4/16/2025	EPLAN
=Telephonic System +OP0301					
Operator Control Panel					
	1	Title page / cover sheet	Title page / cover sheet	4/16/2025	EPLAN
	3	Panel Label	Graphic	4/16/2025	EPLAN
	4	Control System: HMI	Schematic multi-line	4/16/2025	EPLAN



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Company / customer	Aspire		
Job number	16550-0311		
Project description	Telephoinc System		
Area	Telephonic System		
Mounting Loaction	CP0301		
Mounting Description	Main Control Cabinet		
Created on	12/4/2016		
Edit date	6/19/2025	by (short name)	EPLAN



MATERIAL:- 1.6mm WBW TRAFFOLYTE OR PLASTIC
 (BLACK LETTERS ON A WHITE BACKGROUND)
 REVERSE ENGRAVED
 AND SECURED WITH SILCONE.

TECHNICAL INFORMATION
=====

MAIN POWER SUPPLY 240V AC ,1Phase ,60HZ
 Total Load 8 Kw
 CONTROL VOLTAGE 24 VDC
 EMERGENCY STOP CIRCUIT Monitored to CAT4, Electrical Isolation CAT4
 Pneumatic Insolation CAT4
 INSTALLED CURRENT RATING 25A
 CABINET SHORT CIRCUIT CURRENT 6kA
 CUSTOMER SUPPLY RATING 32A
 TYPE/SECTION POWER SUPPLY CABLE TBA

COMPRESSED AIR SPECIFICATIONS
=====

Size 600kPa

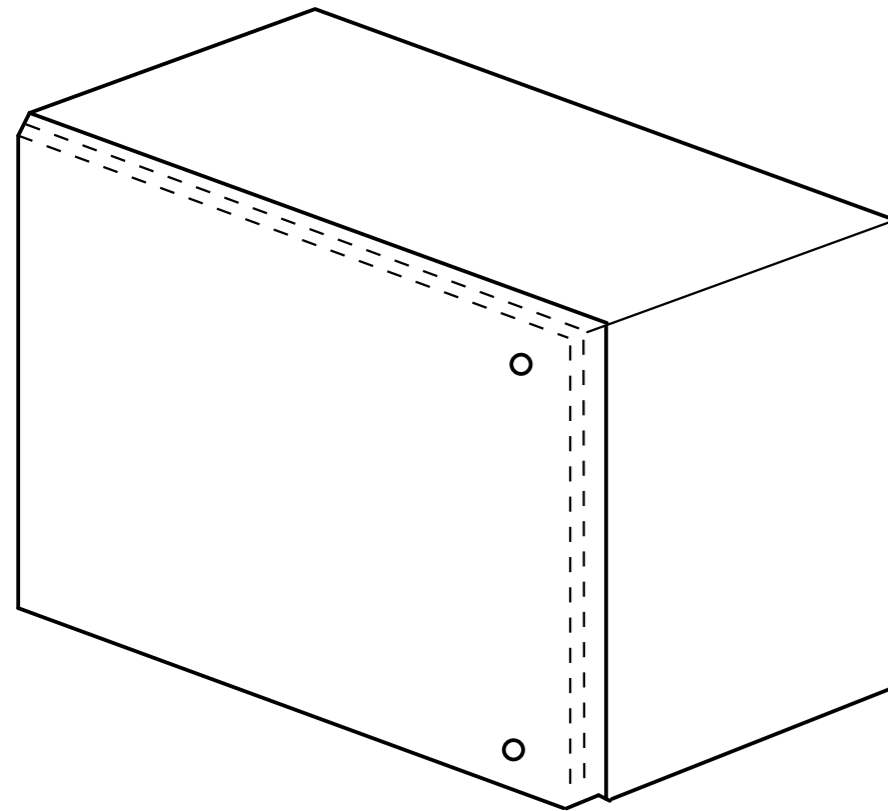
COLOUR MARKING/WIRE IN CONTROL CABINET
=====

CODE	COLOUR
----	----
400VAC PHASE	RD/YE/BU
230VAC	RD
NEUTRAL	BK
PE/PEN	GN/YE
CONTROL VOLTAGE 24VDC +	BU
CONTROL VOLTAGE 24VDC: -	WH
PLC OUTPUT - DIGITAL	GY
PLC INPUT - DIGITAL	GY
SAFETY IO	YE

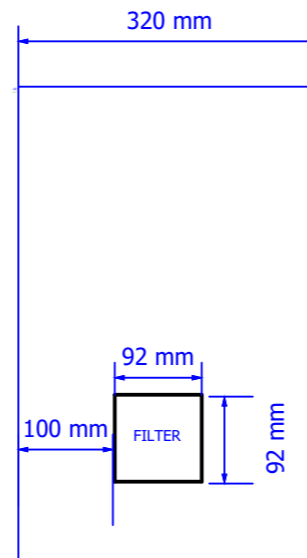
COLOUR CODE TABLE (IEC757)
=====

COLOUR	CODE
-----	----
BLACK	BK
BROWN	BN
RED	RD
ORANGE	OG
YELLOW	YE
GREEN	GN
BLUE	BU
VIOLET	VT
GREY	GY
WHITE	WH
PINK	PK
GOLD	GD
TURQUOISE	TQ
SILVER	SR
GREEN/YELLOW	GNYE

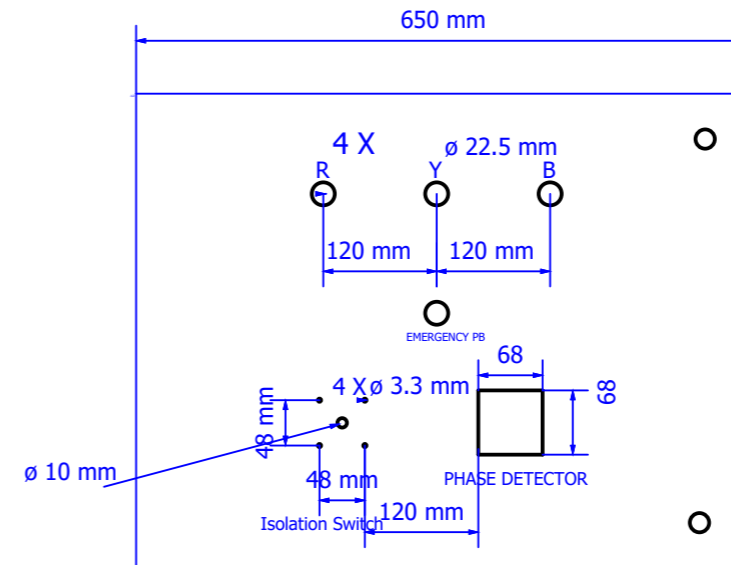
PANEL LAYOUT



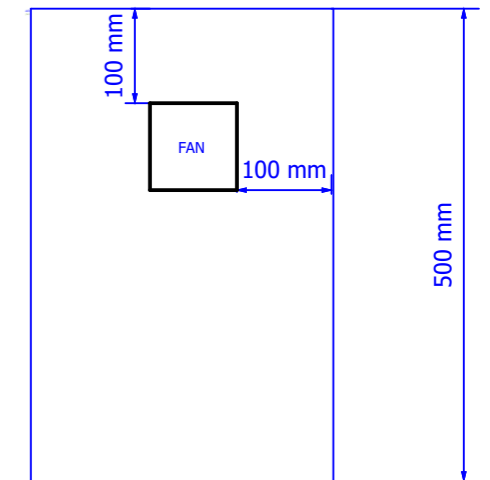
LEFT VIEW



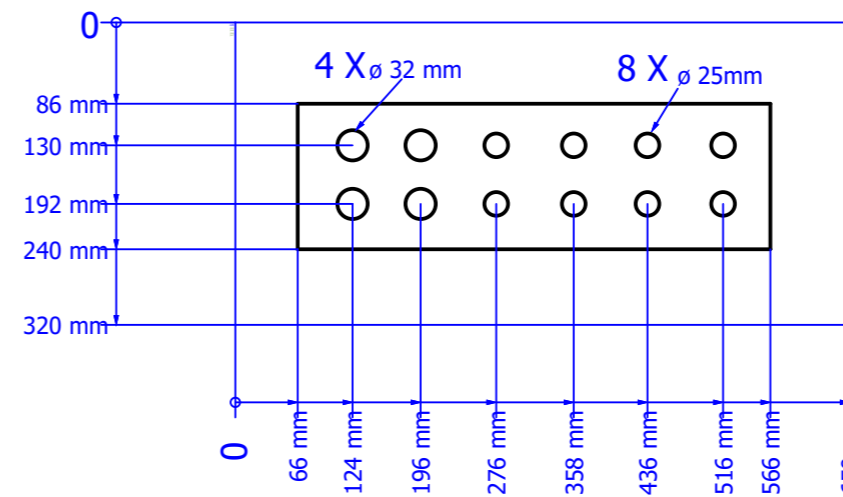
FRONT VIEW



RIGHT VIEW



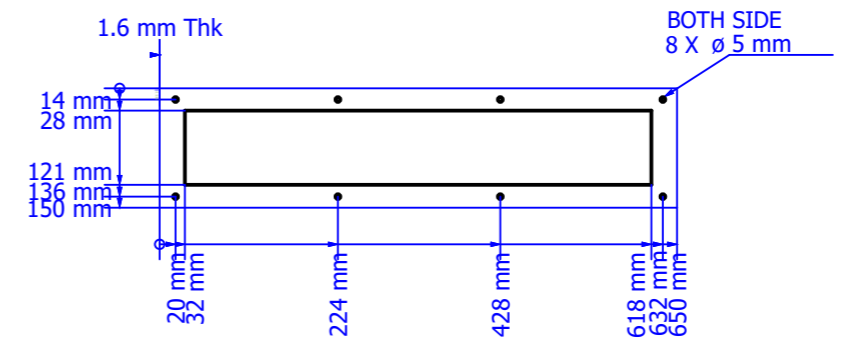
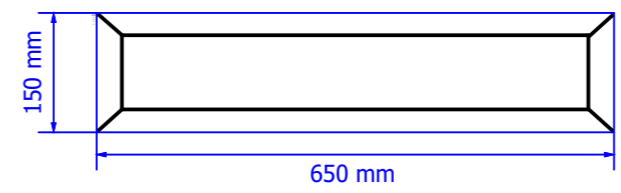
BOTTOM VIEW



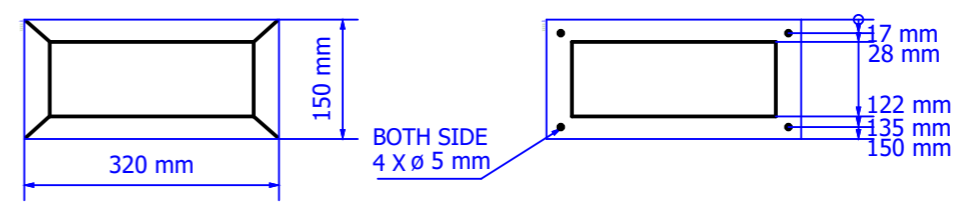
MATERIAL: SS304

PANEL PLINTH

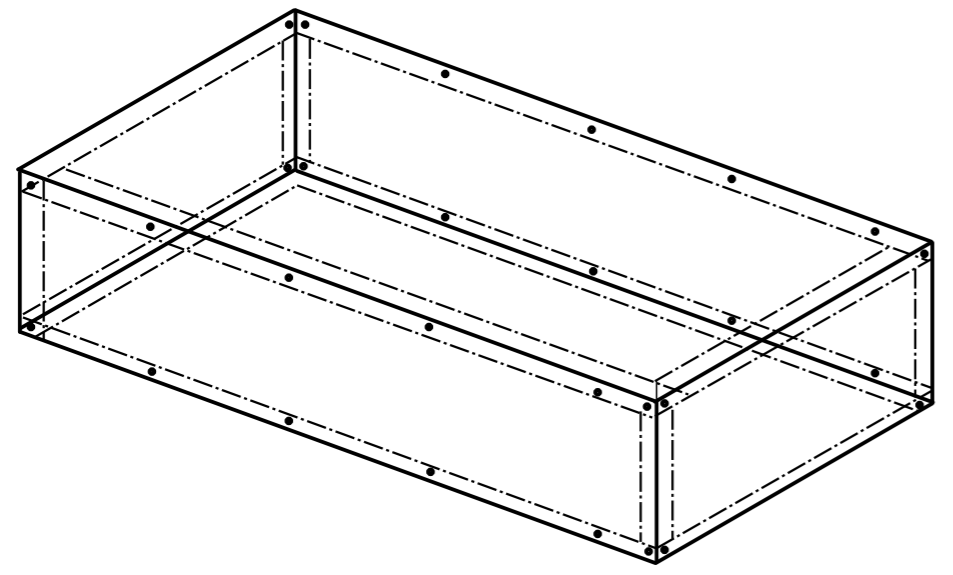
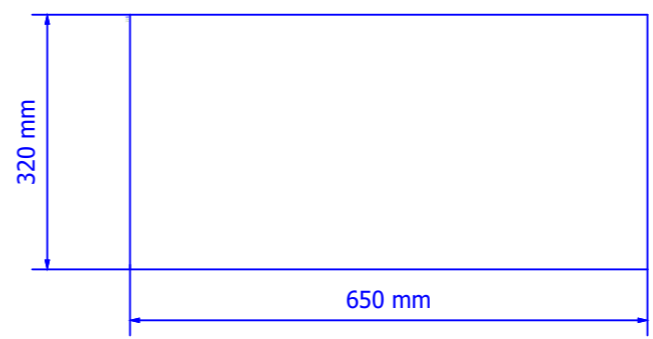
FRONT VIEW



SIDE VIEW



BOTTOM SHEET METAL



The below Image for reference purpose only



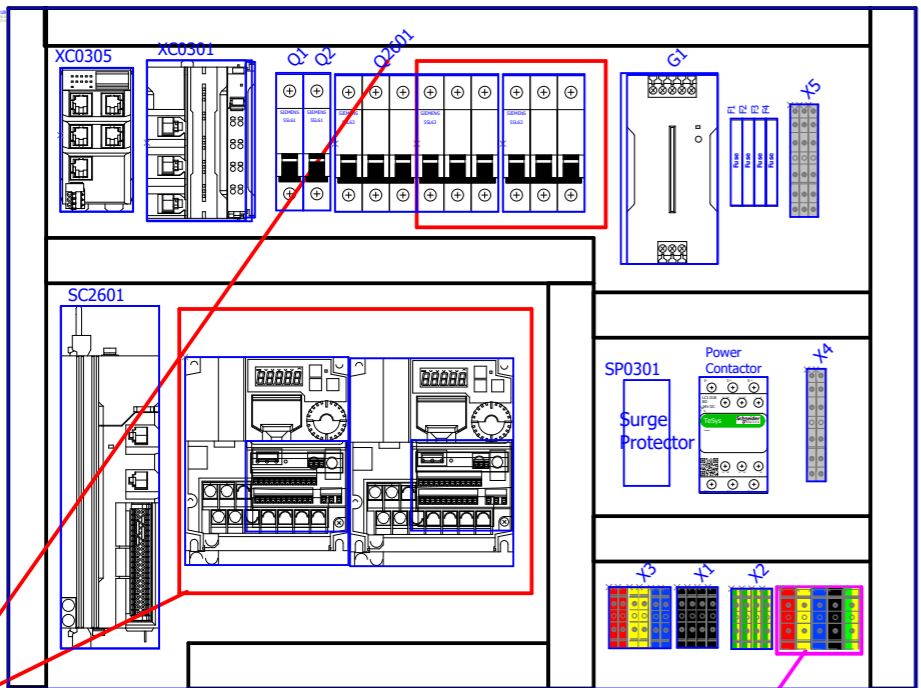
NOTE:
THE FRONT, BACK AND SIDE SHEET METAL SHOULD BE BOLTED TO THE WELDED FRAME AS PER SHOWN IMAGE

THE BOTTOM SHEET METAL PANEL SHOULD BE WELDED TO THE FRAME

MATERIAL: SS304

Gear Plate Layout

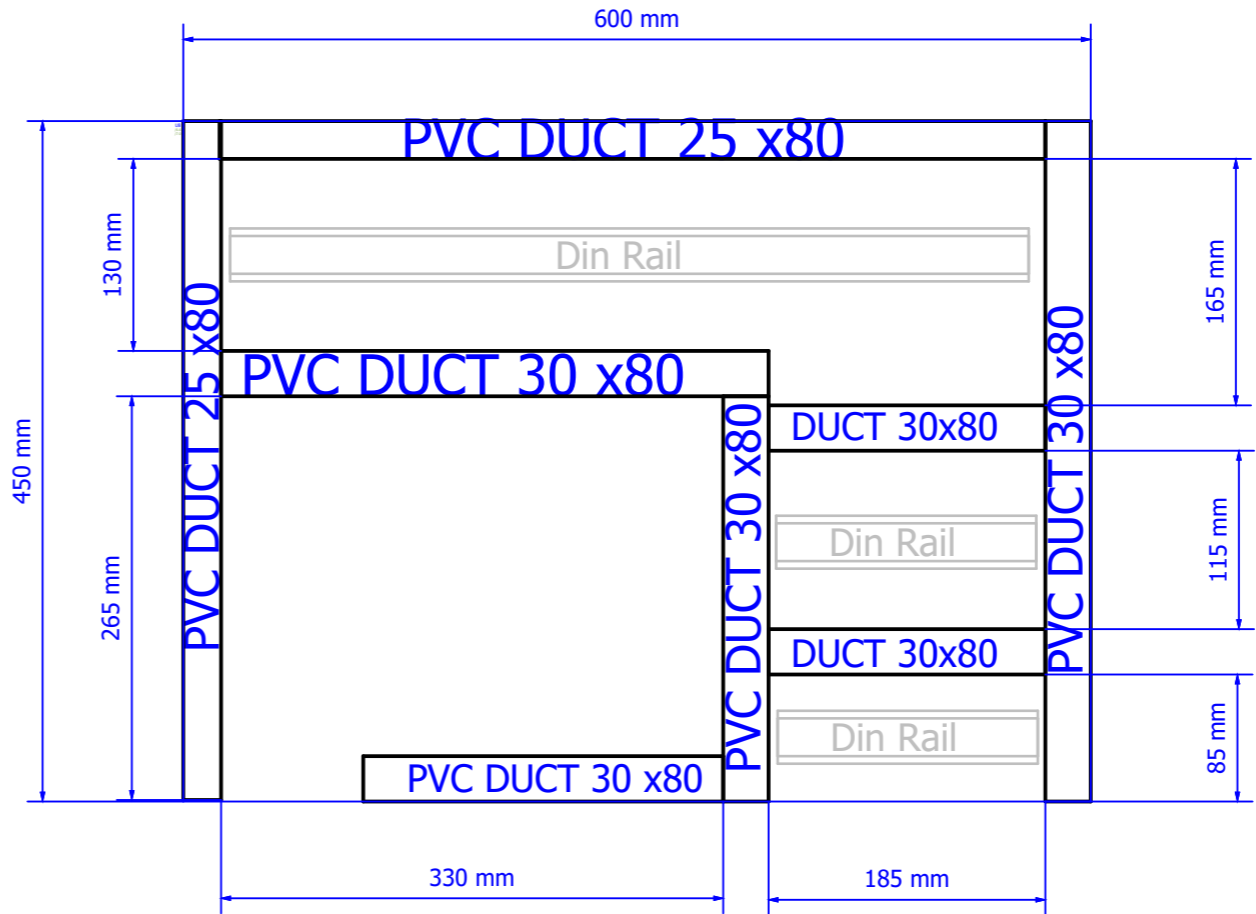
FRONT VIEW

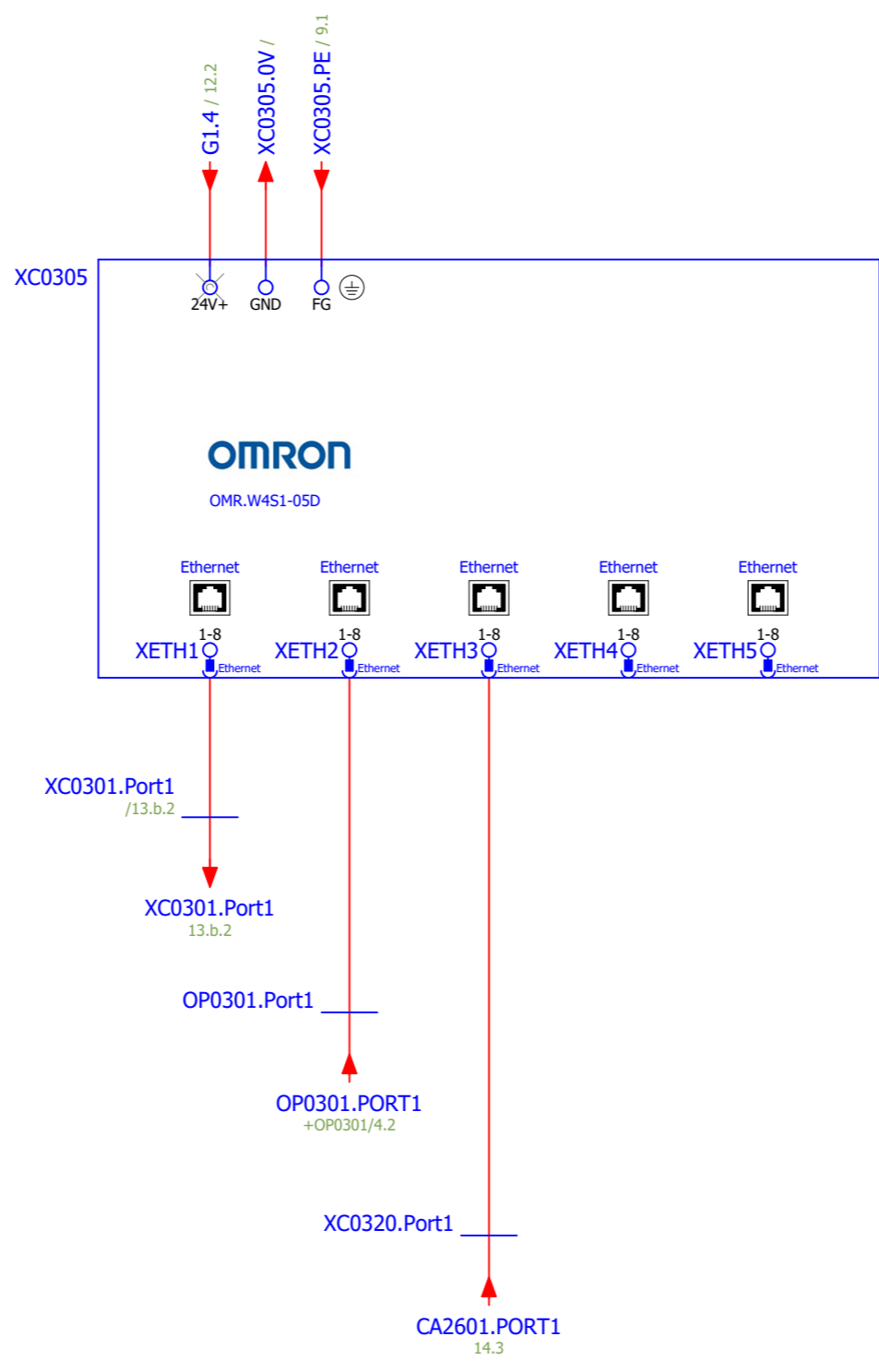


FUTURE SCOPE

CUSTOMER POWER SUPPLY TERMINALS

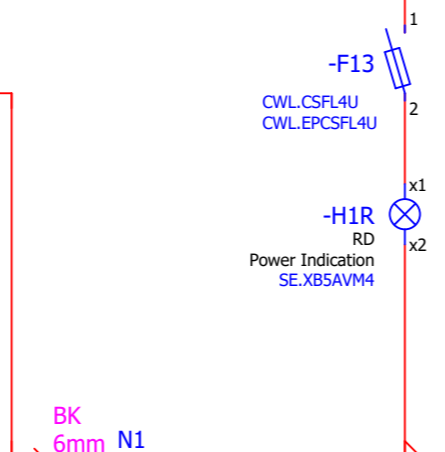
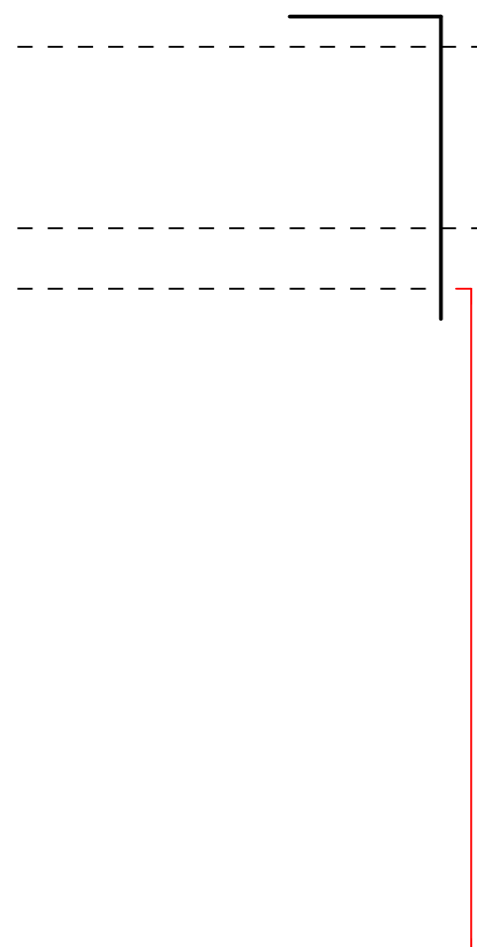
Cable Duct Plan





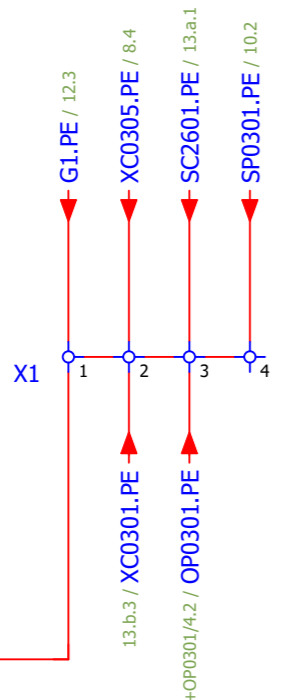
220V AC, 1Phase, 60HZ,
INCOMING SUPPLY

Customer Supply Cable

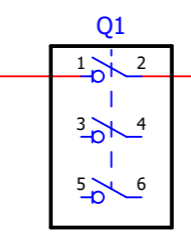


Gear plate-mounted

Earthing Terminals



RD
6mm L1



3P,25A isolator Switch
Schneider
LOTO Switch
/12.1



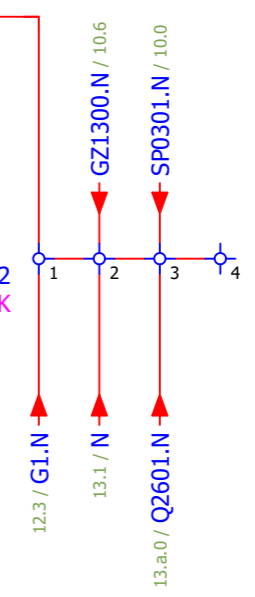
L1 / 10.0

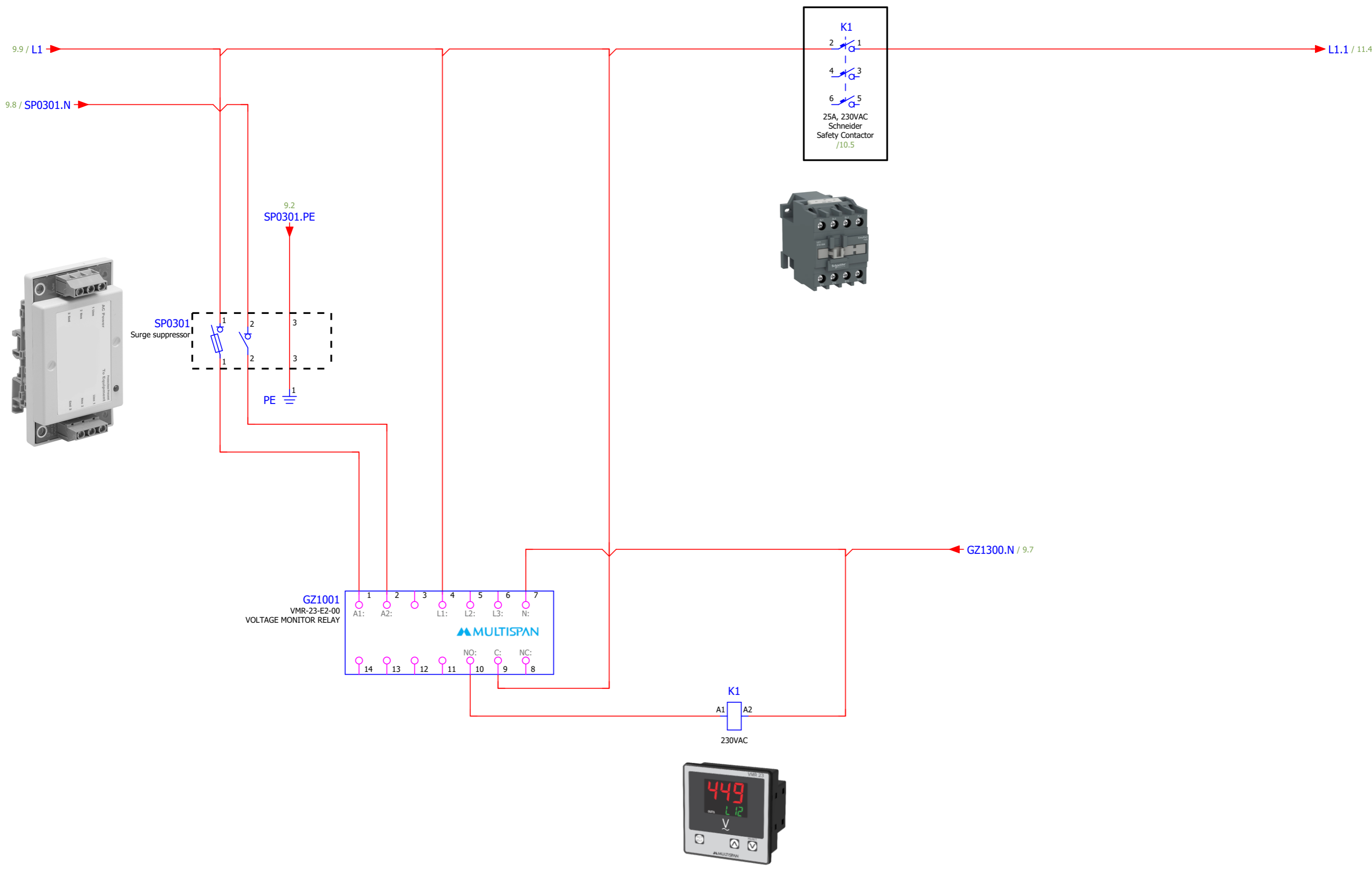
BK
6mm N1

N1

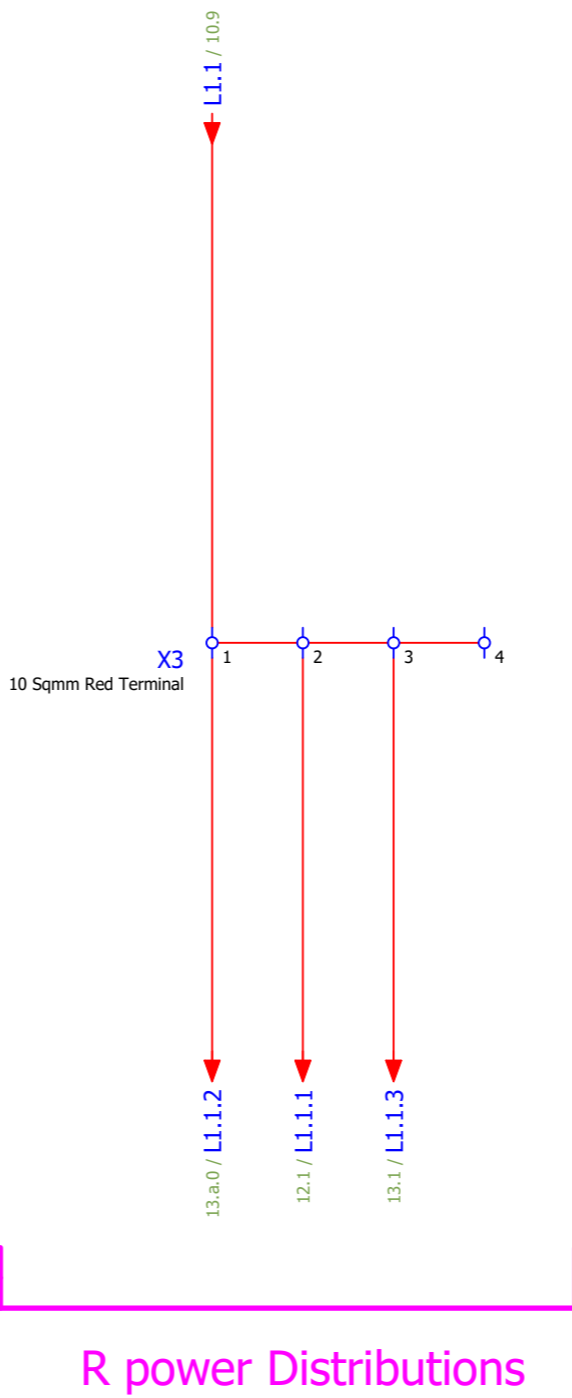
Neutral

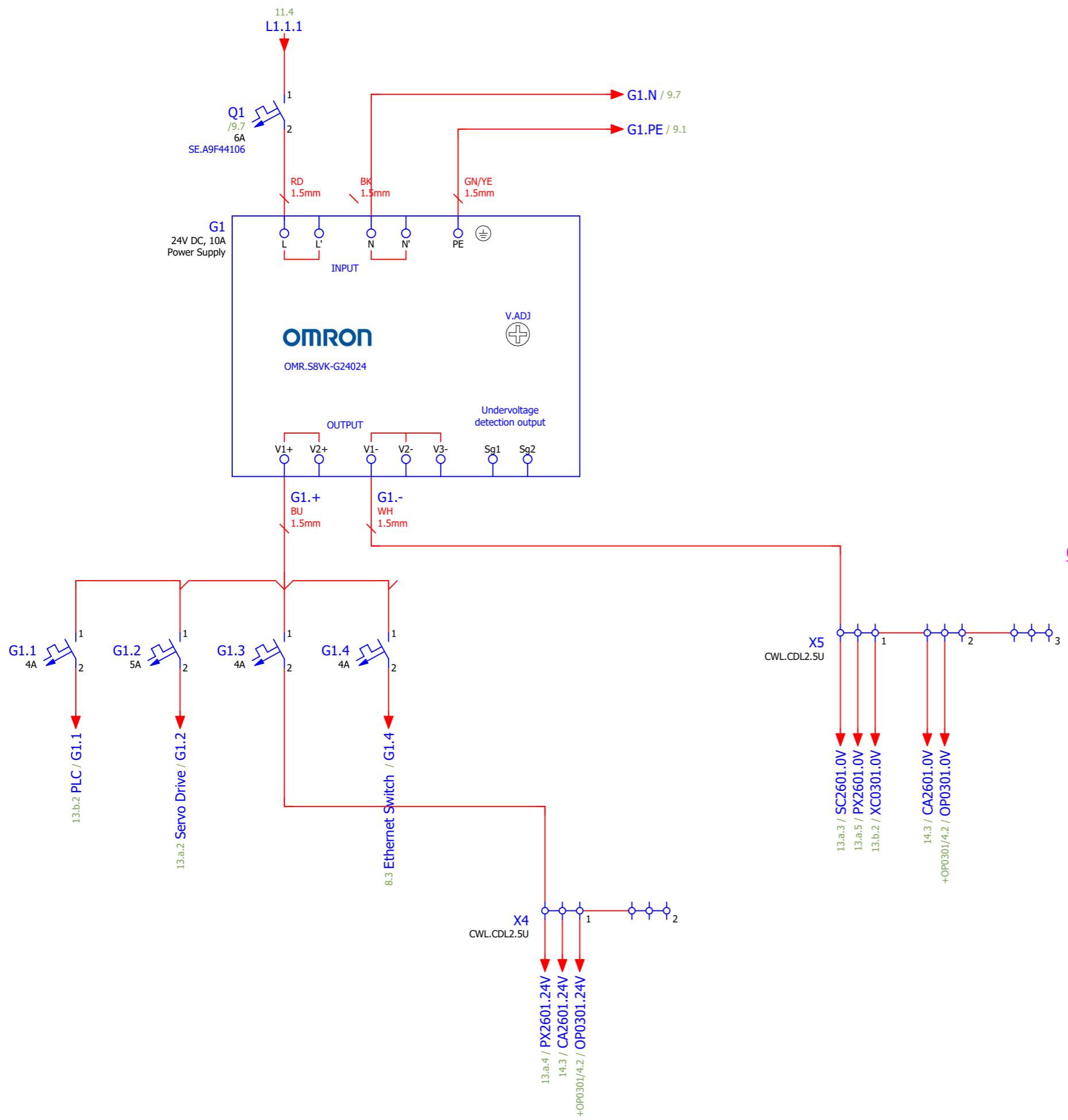
X2
CWL.CTS4UNBK



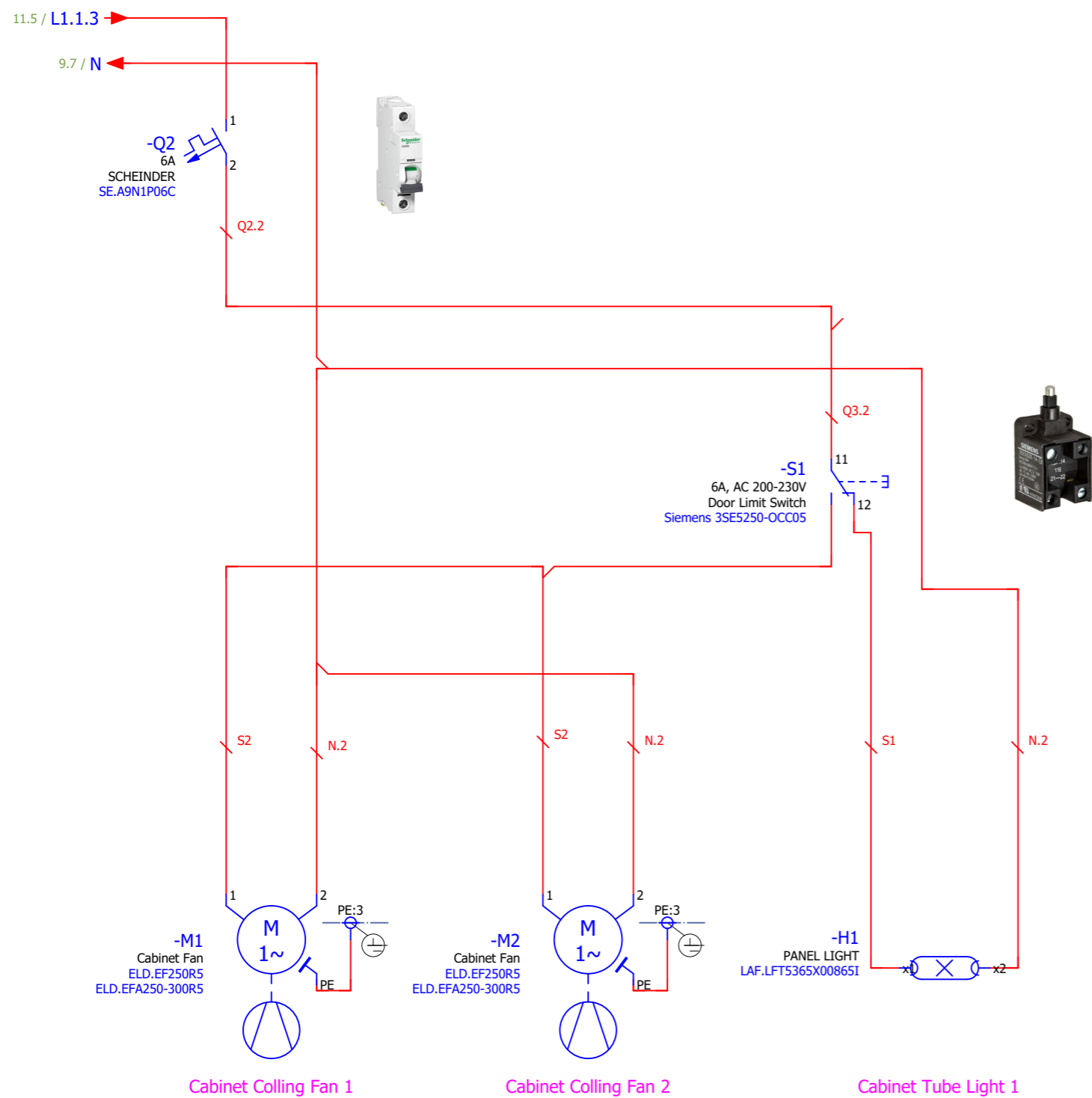


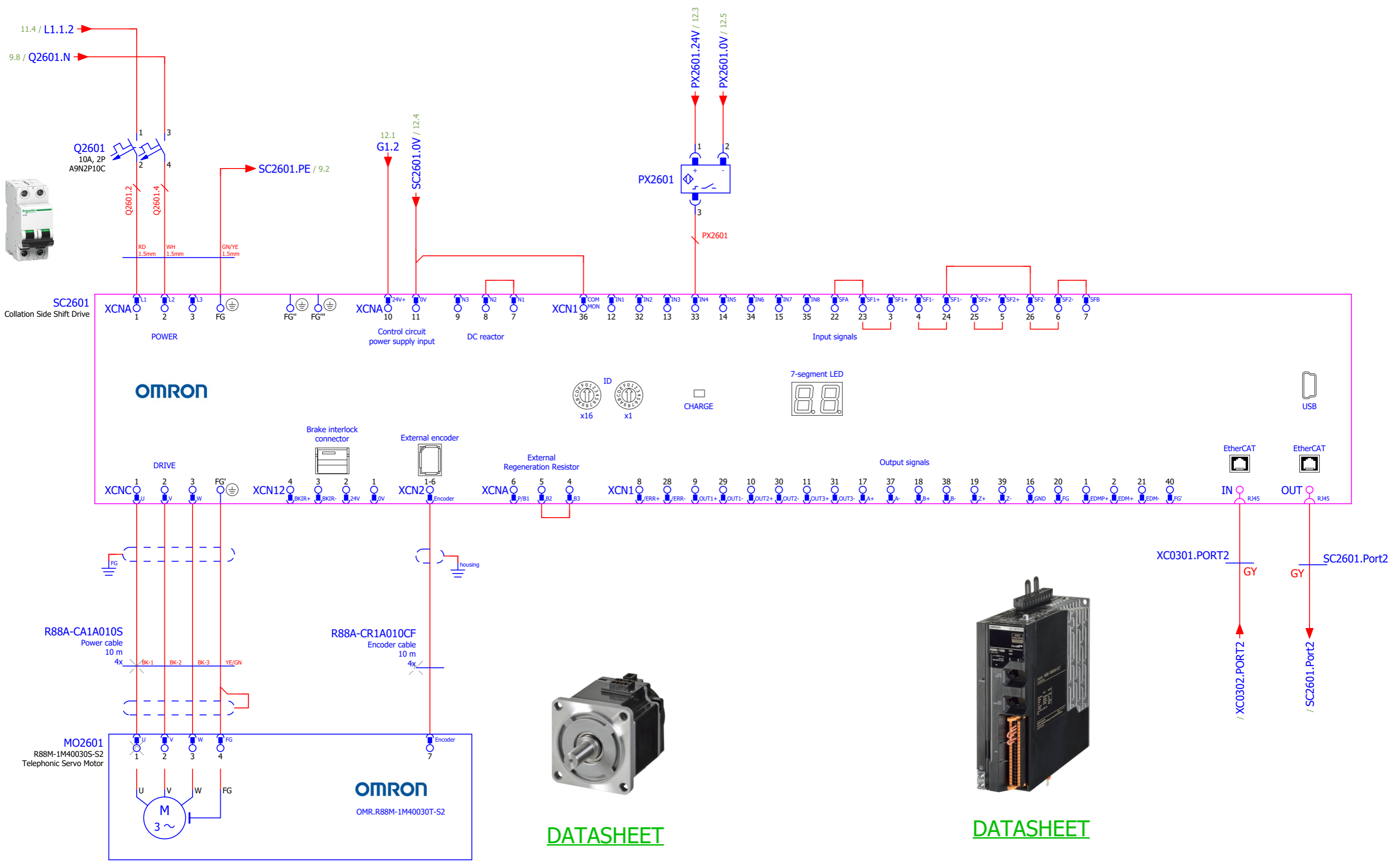
[Click here for the Parameters List](#)





[CLICK HERE FOR DATA SHEET](#)





[DATASHEET](#)

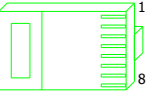


[DATASHEET](#)

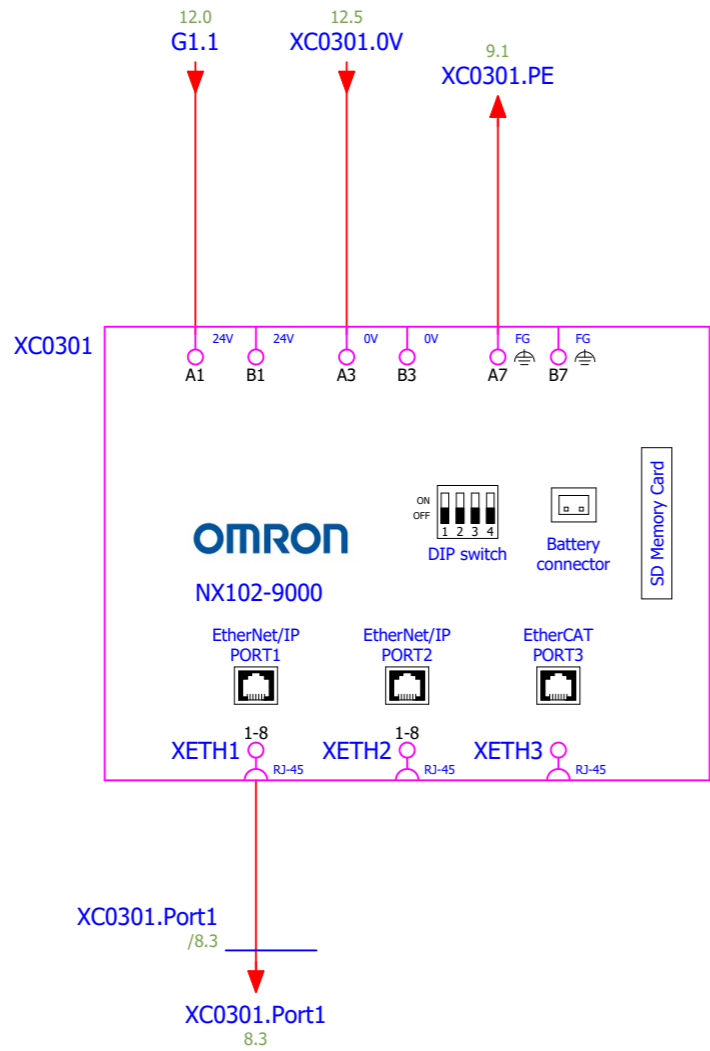
Patch Cable Connections

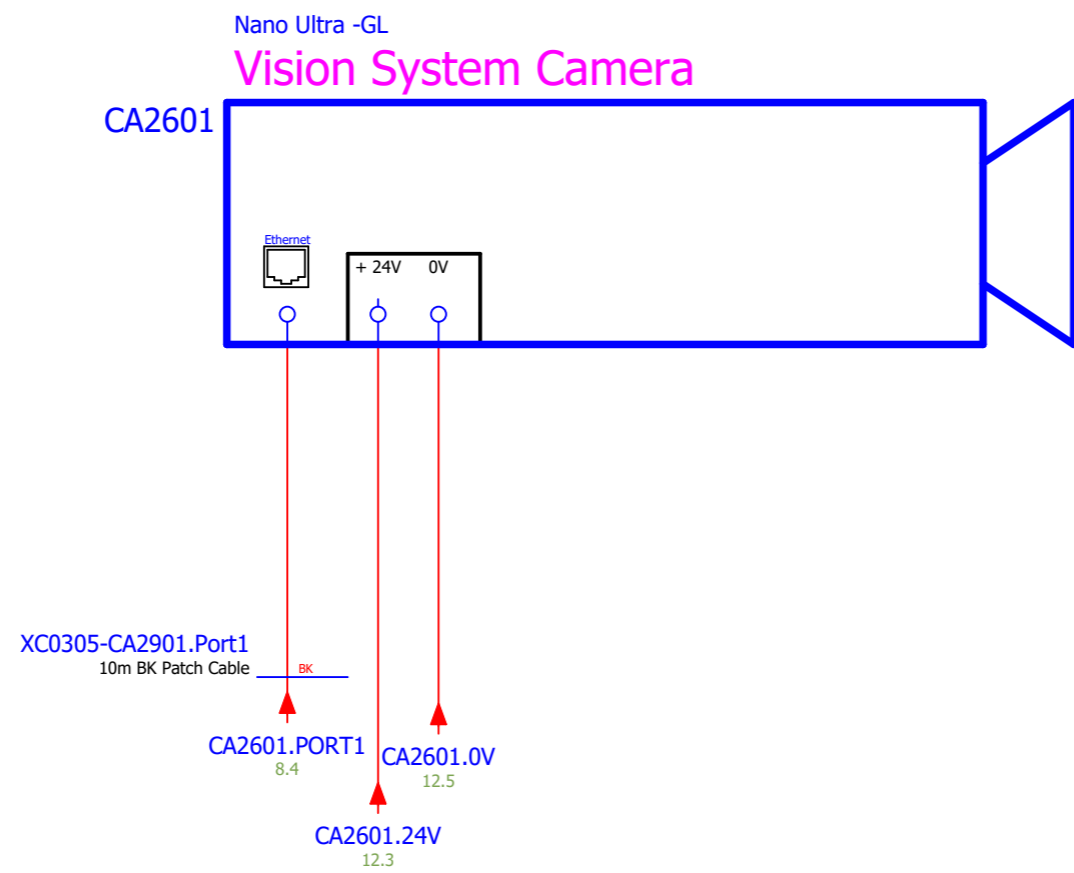
Pair #	Wire	Pin #
1-White/Blue	White/Blue	5
	Blue	4
2-White/Green	White/Green	1
	Green	2
3-White/Orange	White/Orange	3
	Orange	6
4-White/Brown	White/Brown	7
	Brown	8

568-A Wiring



[CLICK HERE FOR DATA SHEET](#)







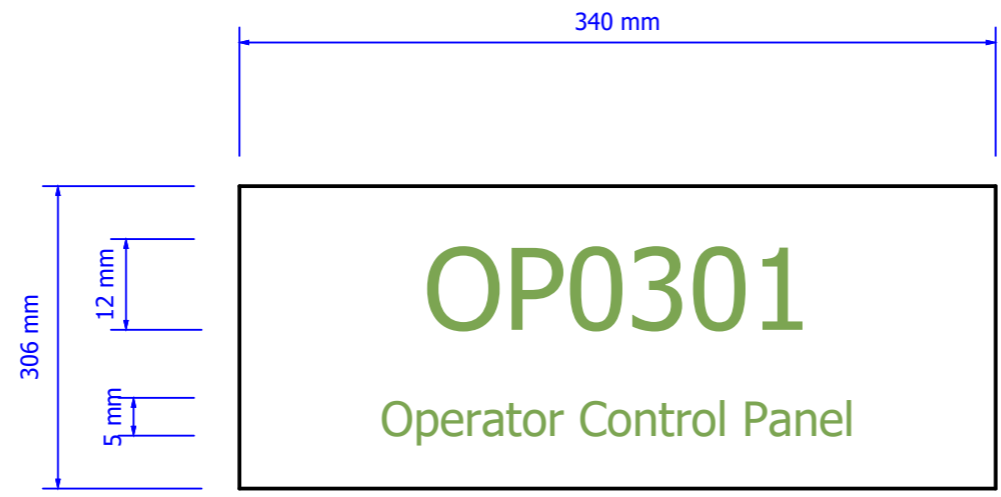
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Company / customer Aspire
Job number 16550-0311
Project description Telephoinc System

Area **Telephonic System**
Mounting Loaction **OP0301**
Mounting Description **Operator Control Panel**

Created on 12/4/2016
Edit date 6/19/2025 by (short name) EPLAN



MATERIAL:- 1.6mm WBW TRAFFOLYTE OR PLASTIC
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Date Printed: 6/19/2025	Rev:	By:	Date:	Modification:	Page Modified Date: 4/16/2025
Designer: Sahana					

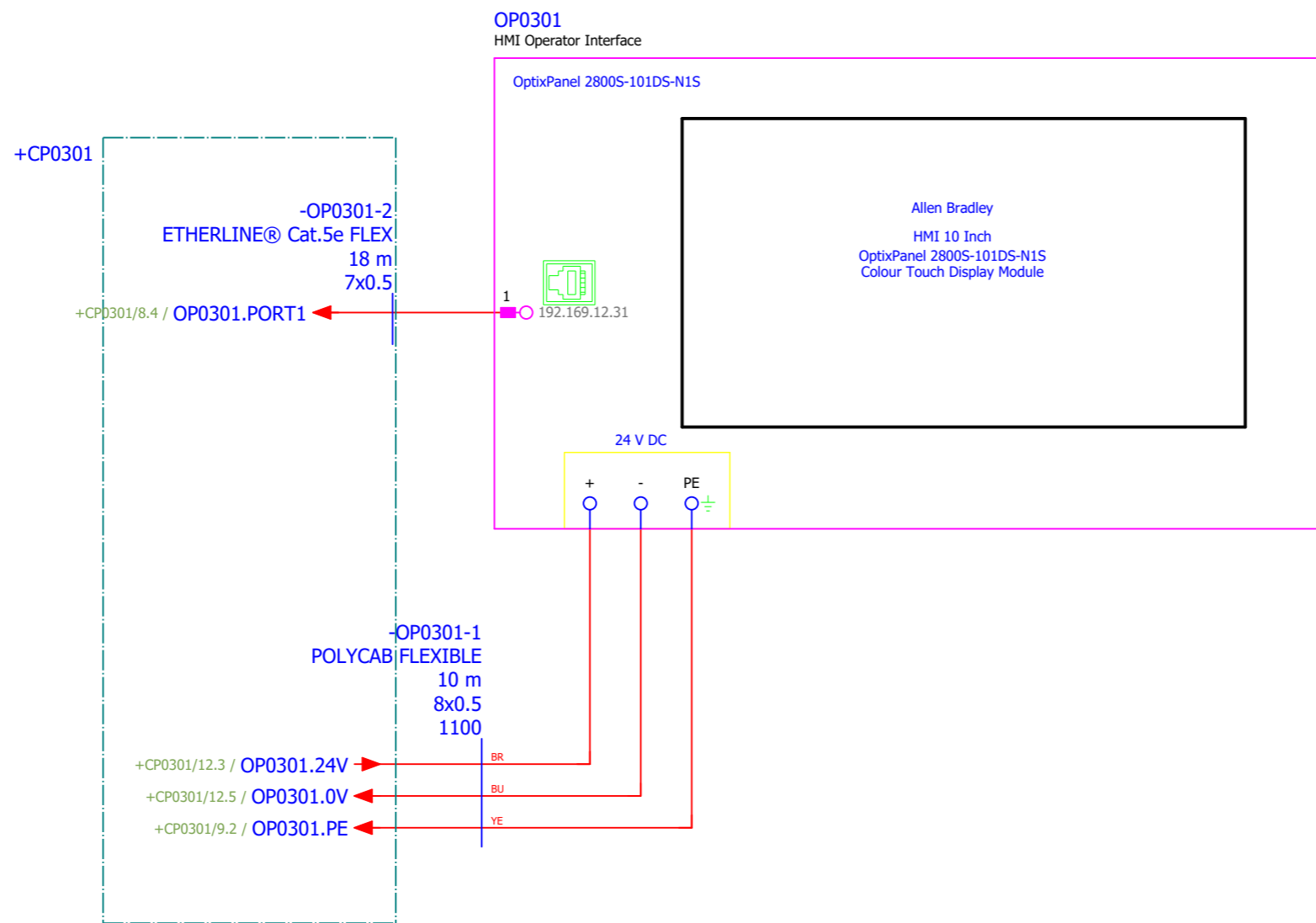
Project Desc: **Telephonic System**

Page Desc: Panel Label



Mounting Loc: Operator Control Panel	Job No: 16550-0311	Area: Telephonic System	Loc: OP0301
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Next Page:	4



Ethernet Cable Connection

Pair #	Wire	Pin #
1-White/Blue	White/Blue	5
	Blue	4
2-White/Green	White/Green	1
	Green	2
3-White/Orange	White/Orange	3
	Orange	6
4-White/Brown	White/Brown	7
	Brown	8

568-A Wiring

