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# Priva Compass 4X

PANEL #: C-4X  
PART #: 3772104  
Compass 4X


As Built  
02/12/2024

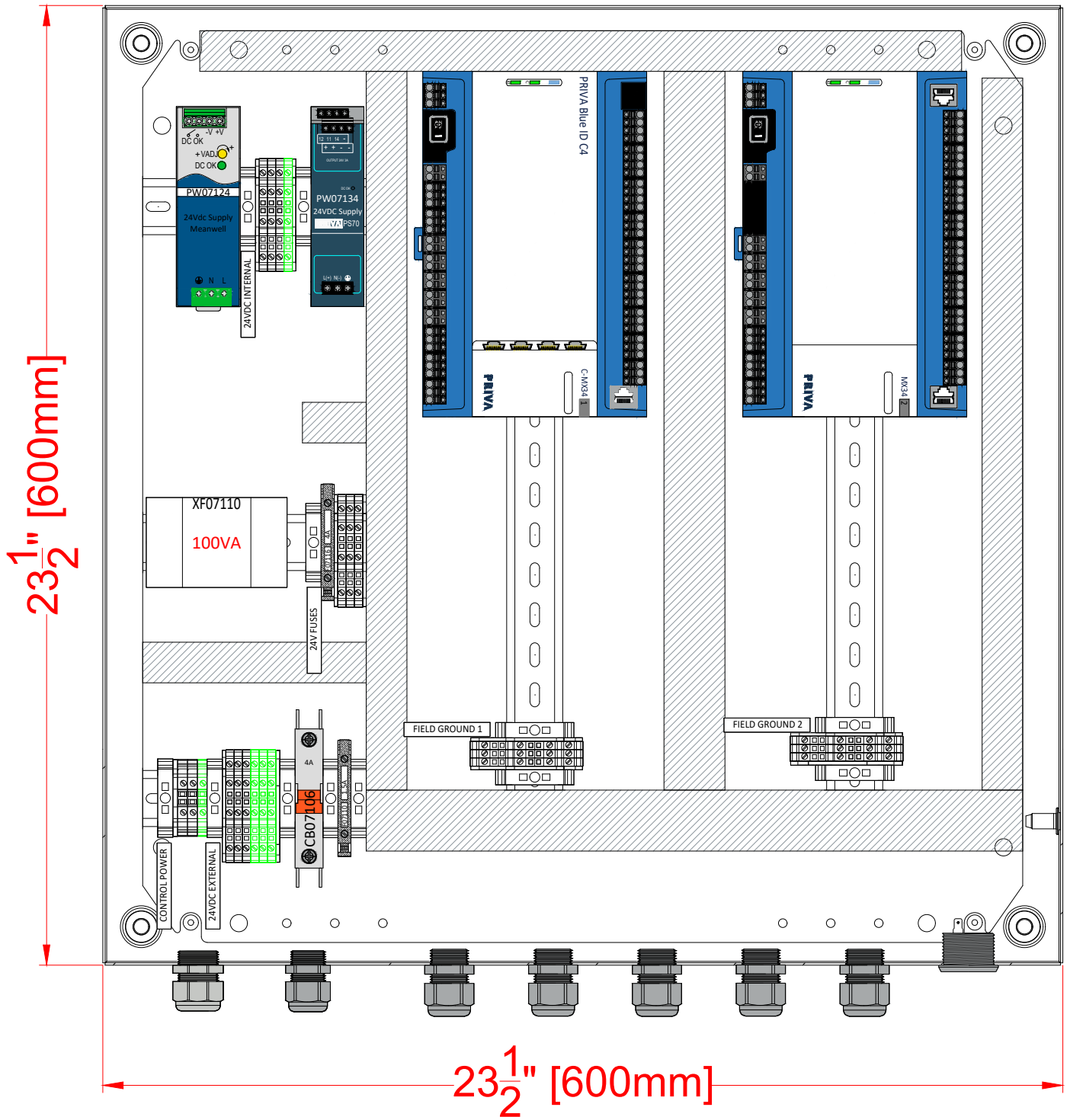
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## Priva North America

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Website: [www.priva.ca](http://www.priva.ca) E-Mail: [priva@priva.ca](mailto:priva@priva.ca)

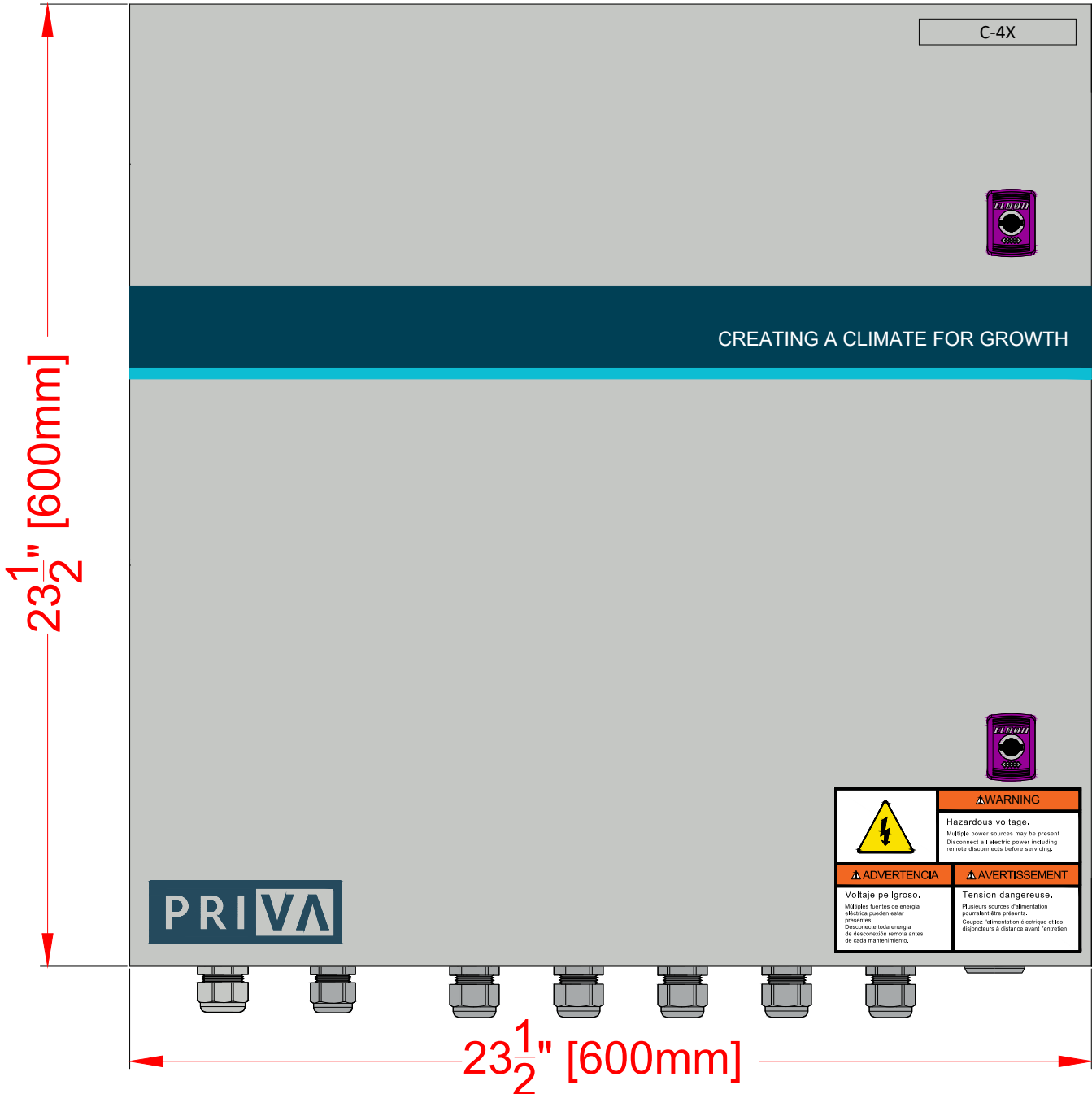
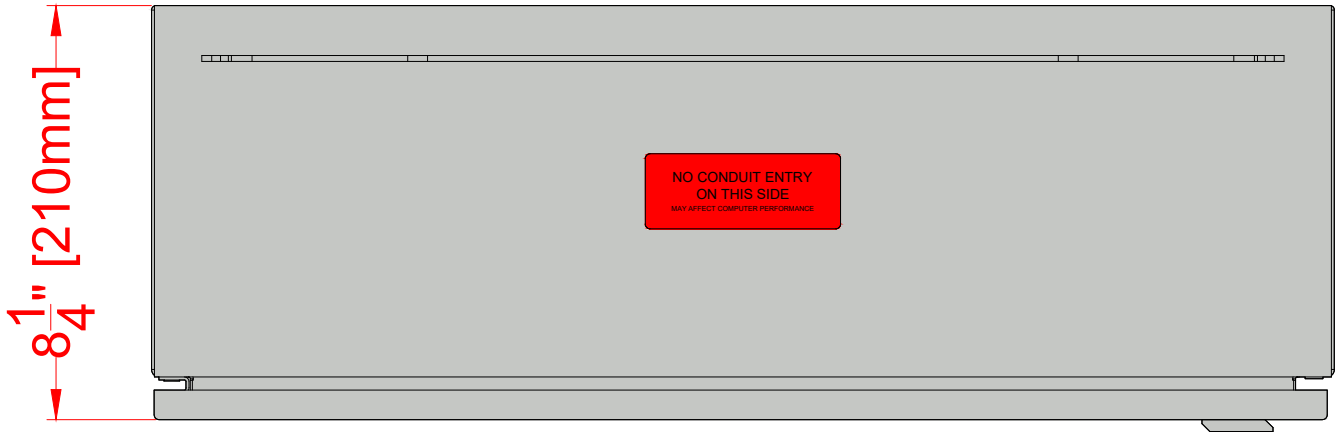
Drawing #	Description 1	Description 2
011	Backplate Layout	
021	Enclosure Layout	
071	120/24V Fuses	
131	C-MX34(1) Top	Digital & Universal Inputs
132	C-MX34(1) Top	Analog Outputs
133	C-MX34(1) Bottom	Power, Communications
134	C-MX34(1) Bottom	Relay Outputs
231	MX34(2) Top	Digital & Universal Inputs
232	MX34(2) Top	Analog Outputs
233	MX34(2) Bottom	Power
234	MX34(2) Bottom	Relay Outputs
951	CSA Label	
962	Bill Of Materials	3772104 Enclosure
975	Nomenclature	
999	Binder Inserts	

				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104	
				TESTED BY:	List Of Drawings	PANEL NUMBER C-4X	
A	DM	02/12/2024	Rev A	START DATE:		DRAWING #	
REV	BY	DATE (M/D/Y)	DESC	11/28/2022		003	



				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104
				TESTED BY:	Backplate Layout	PANEL NUMBER C-4X
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022		DRAWING # 011
REV	BY	DATE (M/D/Y)	DESC			

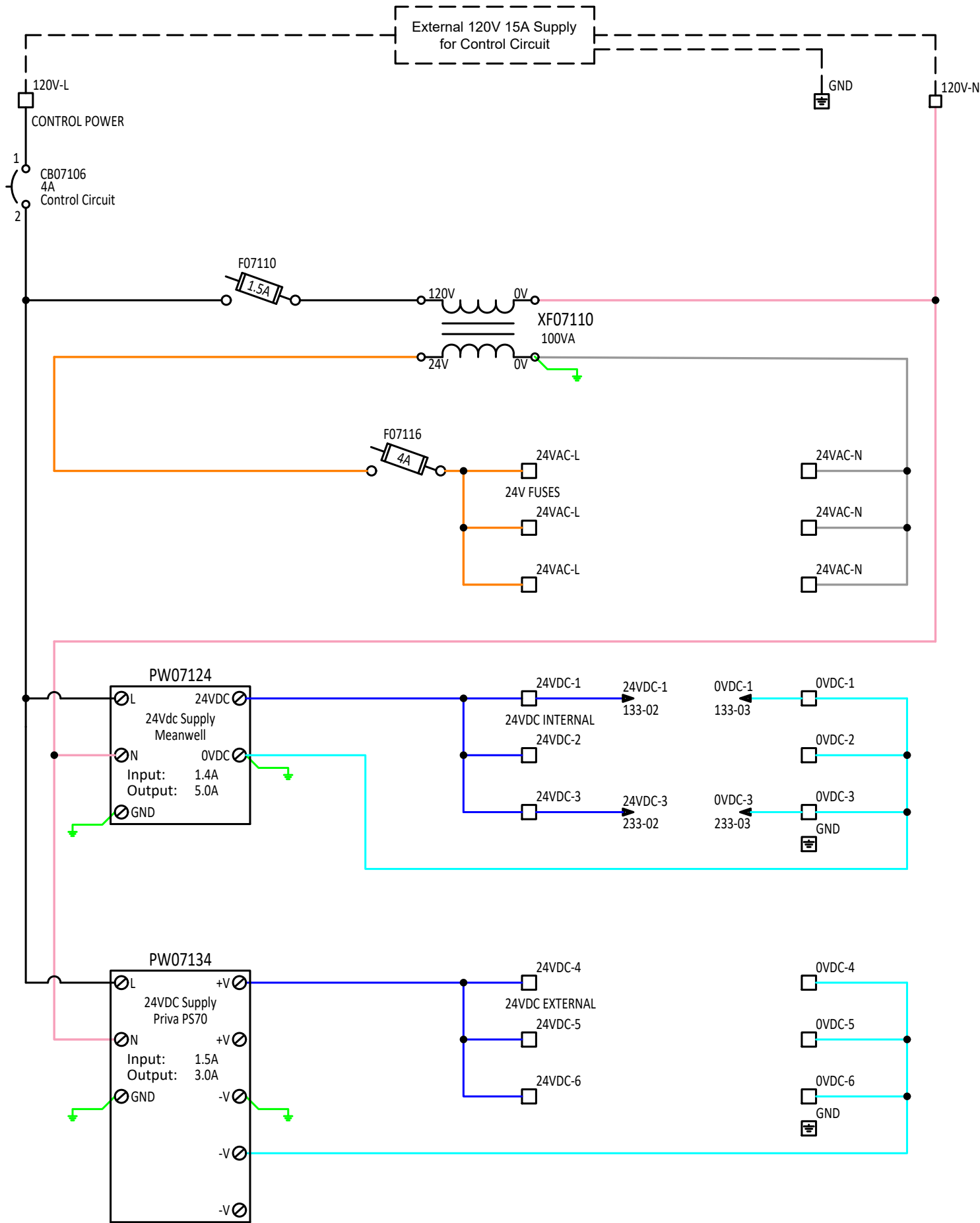




				DESIGN BY:	Priva Compass 4X	PART NUMBER	
				TJB		3772104	
				TESTED BY:	Enclosure Layout	PANEL NUMBER	
						C-4X	
A	DM	02/12/2024	Rev A	START DATE:		DRAWING #	
REV	BY	DATE (M/D/Y)	DESC	11/28/2022		021	



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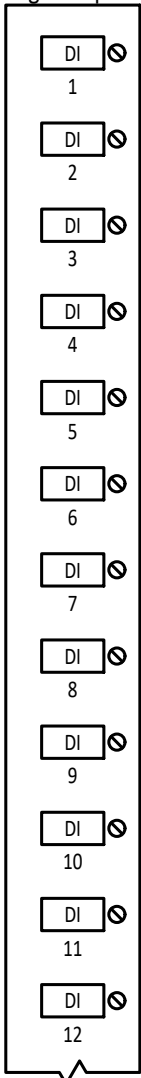


				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104
				TESTED BY:	120/24V Fuses	PANEL NUMBER C-4X
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022		DRAWING # 071
REV	BY	DATE (M/D/Y)	DESC			

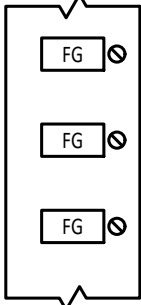


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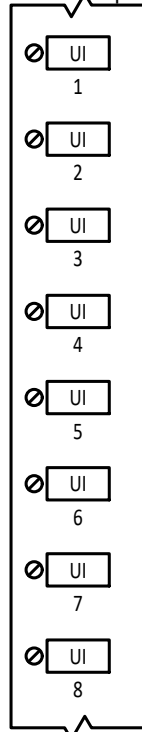
C-MX34 (1)  
Digital Inputs



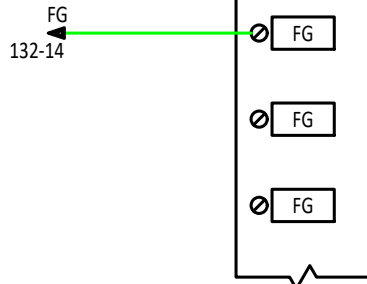
Field Ground



Universal Inputs

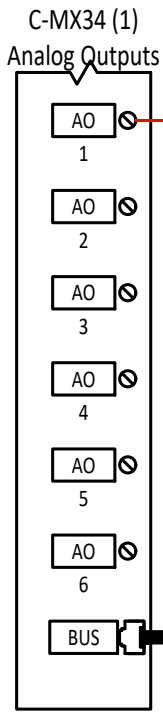


Field Ground

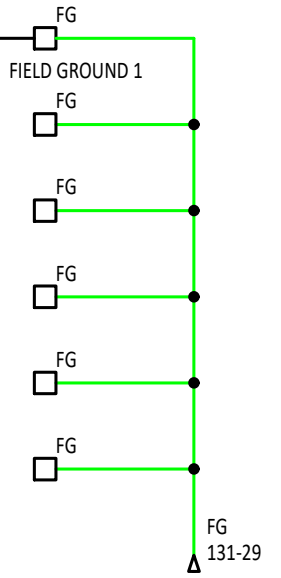


				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104	
				TESTED BY:	C-MX34(1) Top	PANEL NUMBER C-4X	
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Digital & Universal Inputs	DRAWING # 131	
REV	BY	DATE (M/D/Y)	DESC				

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BUZZER



C-MX34 Bus  
231-02

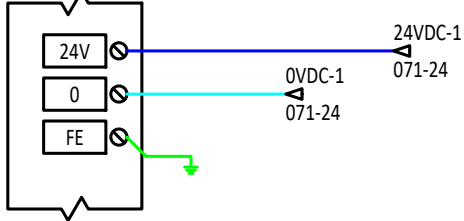
				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104
				TESTED BY:	C-MX34(1) Top	PANEL NUMBER C-4X
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Analog Outputs	DRAWING # 132
REV	BY	DATE (M/D/Y)	DESC			



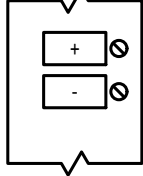
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C-MX34 (1)

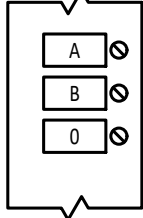
24VAC/DC IN



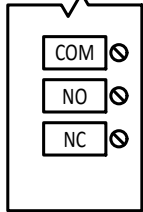
24VDC/DC OUT



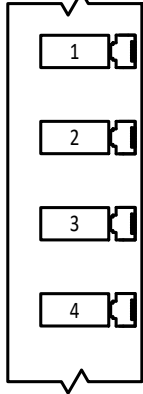
RX/TX



Alarm Out



Network



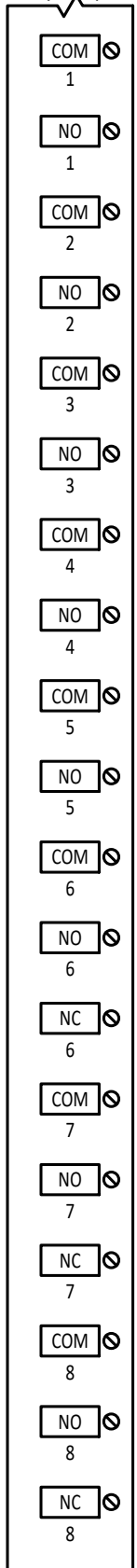
				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104
				TESTED BY:	C-MX34(1) Bottom	PANEL NUMBER C-4X
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Power, Communications	DRAWING # 133
REV	BY	DATE (M/D/Y)	DESC			





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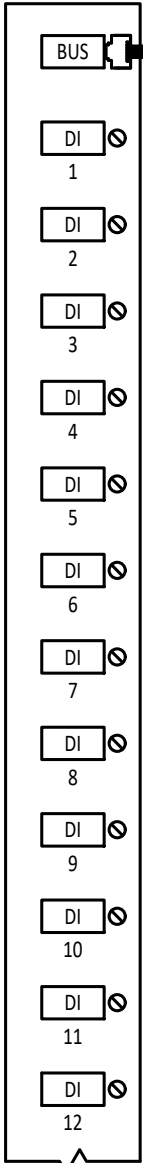
C-MX34(1)  
Relay Outputs



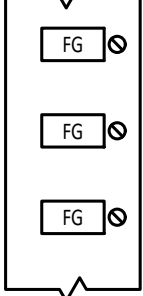
				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104	
				TESTED BY:	C-MX34(1) Bottom	PANEL NUMBER C-4X	
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Relay Outputs	DRAWING # 134	
REV	BY	DATE (M/D/Y)	DESC				

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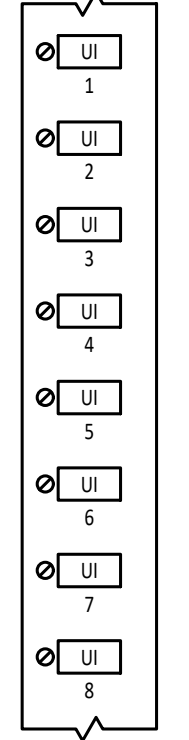
MX34(2)  
Digital Inputs



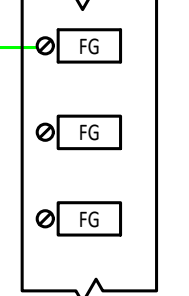
Field Ground



MX34(2)  
Universal Inputs

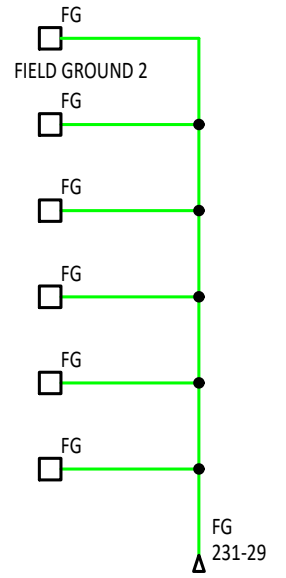
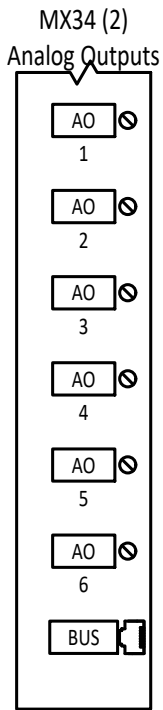



Field Ground



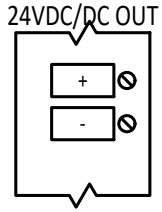
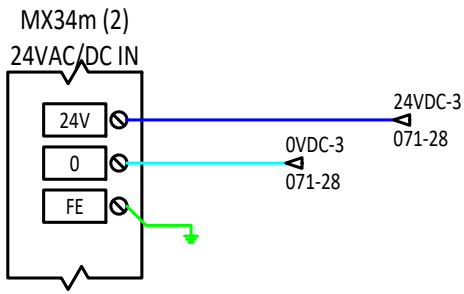
				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104	
				TESTED BY:	MX34(2) Top	PANEL NUMBER C-4X	
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Digital & Universal Inputs	DRAWING # 231	
REV	BY	DATE (M/D/Y)	DESC				

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				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104	 <b>PRIVA</b>
				TESTED BY:	MX34(2) Top	PANEL NUMBER C-4X	
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Analog Outputs	DRAWING # 232	
REV	BY	DATE (M/D/Y)	DESC				

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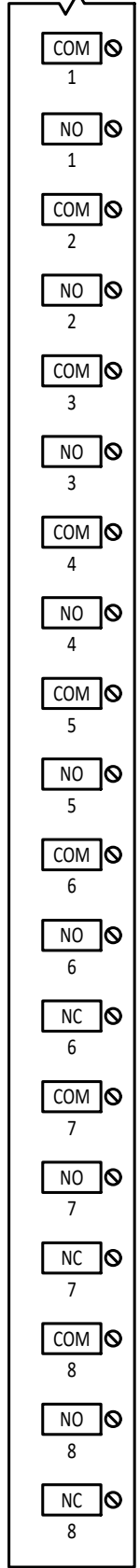


				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104
				TESTED BY:	MX34(2) Bottom	PANEL NUMBER C-4X
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Power	DRAWING # 233
REV	BY	DATE (M/D/Y)	DESC			



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MX34(2)  
Relay Outputs



				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104	
				TESTED BY:	MX34(2) Bottom	PANEL NUMBER C-4X	
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	Relay Outputs	DRAWING # 234	
REV	BY	DATE (M/D/Y)	DESC				



# C-4X

Compass 4X

ENCLOSURE TYPE: 12

PART NO: 3772104



SUPPLY VOLTAGE: 120VAC-1Ø  
SUPPLY AMPERAGE: 15A

SUPPLY VOLTAGE: N/A  
SUPPLY AMPERAGE: N/A

TOTAL OUTGOING HP: N/A  
CONTROL VOLTAGE: 120VAC-1Ø  
CONTROL AMPERAGE: 4A  
Hz: 60Hz

KAIC RATING: N/A



# C-4X

Compass 4X

ENCLOSURE TYPE: 12

PART NO: 3772104



SUPPLY VOLTAGE: 120VAC-1Ø  
SUPPLY AMPERAGE: 15A

SUPPLY VOLTAGE: N/A  
SUPPLY AMPERAGE: N/A

TOTAL OUTGOING HP: N/A  
CONTROL VOLTAGE: 120VAC-1Ø  
CONTROL AMPERAGE: 4A  
Hz: 60Hz

KAIC RATING: N/A



# C-4X

Compass 4X

ENCLOSURE TYPE: 12

PART NO: 3772104



SUPPLY VOLTAGE: 120VAC-1Ø  
SUPPLY AMPERAGE: 15A

SUPPLY VOLTAGE: N/A  
SUPPLY AMPERAGE: N/A

TOTAL OUTGOING HP: N/A  
CONTROL VOLTAGE: 120VAC-1Ø  
CONTROL AMPERAGE: 4A  
Hz: 60Hz

KAIC RATING: N/A

CAUTION: REPLACE FUSE WITH SAME TYPE AND RATING.

ATTENTION: REMPLACE LES FUSIBLES AVEC MEME TYPE ET CLASSEMENT

PRECAUCION: REEMPLACE LOS FUSIBLES CON EL MISMO TIPO Y CLASIFICACION

120V Fuse		24V XF07110 Fuse	
F07110	1.5A	F07116	4A

Quantity	Catalog	Manufacturer	Description
1	3651124	KINGSTATE	4-28VDC PZ INDCTR 85DB KPEG750
1	3653033	PRIVA	TRANSFORMER (BLOCK) 100-230V / 100VA / 24V
1	3656164	ELDON	ENCLOSURE COMPASS 600X600X210
1	3659056	MEANWELL	POWER SUPPLY, DIN-MOUNT, 110/24, 120W
1	3659062	PRIVA	POWERSUPPLY PRIVA 72W 24VDC 3A 100-240VAC
1	5210001	PRIVA	CONTROLLER, C4, C-MX34, BLUE ID
1	5211001	PRIVA	MODULE, C-LINE MX34, MIX I/O, BLUE ID
1	3773212	PRIVA	PATCHCABLE FTP 1,5M BLUE
3	E015290	BUSSMANN	FUSE 5X20, 1.5 AMP 250V SLOW CSA/UL
3	E015710	BUSSMANN	FUSE 5x20, 4.0 Amp 250V SLOW CSA/UL
2	E021130	PHOENIX CONTACT	TERMINAL, PHX, 1D, #10, 6.2mm GRAY- UT 4
15	E021200	PHOENIX CONTACT	TERMINAL, PHX, 2D,#10, 5.2mm UTTB 2,5
1	E022001	PHOENIX CONTACT	FUSE HOLDER, PHX, 1D w LIGHT IND, 24V
1	E022002	PHOENIX CONTACT	FUSE HOLDER, PHX, 1D W LIGHT IND, 250V
4	E022054	PHOENIX CONTACT	TERMINAL, PHX, 2D,#10, 5.2mm UTTB 2,5-PE
1	E022055	PHOENIX CONTACT	GROUND TERMINAL, PHX, UT 4-PE
5	E023000	PHOENIX CONTACT	END SECTION, PHX, D-UTTBT 2,5/4
1	E023013	PHOENIX CONTACT	END SECTION, PHX, D-UT 2,5/10
5	E023075	PHOENIX CONTACT	SPACER PLATE, PHX, DP-UTTBT 2,5/4
76	E023120	PHOENIX CONTACT	MARKER CARD, PHX, WHITE, UNPRINTED UCT-TM5
10	E023121	PHOENIX CONTACT	MARKER CARD, PHX, WHITE, UNPRINTED UCT-TM6
6	E023122	PHOENIX CONTACT	MARKER CARD, PHX, WHITE, UNPRINTED, US-EMP (44x7)
6	E023170	PHOENIX CONTACT	MARKER CARD HOLDER, PHX, KLM-A
30	E023211	PHOENIX CONTACT	BRIDGE, FIXED, 50 Pos. FBS 50-5
12	E023300	PHOENIX CONTACT	END STOP, DIN RAIL, E/NS 35 N
1	E039297	SPRECHER	CIRCUIT BREAKER, MINI 4A 1 POLE C-CURVE
2	E070650	BIMED	CABLE CONNECTOR, PG 13 PLASTIC
10	E070700	BIMED	CABLE CONNECTOR, PG 16 PLASTIC
2	E070730	BIMED	CABLE CONNECTOR, PG 21 PLASTIC
1	W050060	EDP	WIRE, 96" #18 BLACK C/W FERRULE O/E
2	W050070	EDP	WIRE, 96" #18 ORANGE C/W FERRULE O/E
1	W060010	EDP	WIRE, #18/16 AWG WHITE TEW
2	W060030	EDP	WIRE, #18/16 AWG BLUE TEW
3	W060050	EDP	WIRE, #18/16 AWG GREEN TEW
2	W060075	EDP	WIRE, #18/16 AWG WHITE w/ BLUE STRIPE TEW
2	W060090	EDP	WIRE, #18/16 AWG GRAY TEW
1	W060130	EDP	WIRE, #16/26 AWG BLUE TEW
1	W060175	EDP	WIRE, #16/26 AWG BLUE w/ WHITE STRIPE TEW
1	W060250	EDP	WIRE, #14/41 AWG GREEN TEW
1	Z010031	PRIVA	LABEL, WARNING 'HAZARDOUS VOLTAGE'
3	Z010033	PRIVA	LABEL, "NO CONDUIT ENTRY", RED
1	Z010380	PRIVA	LABEL, BLANK, 8.5" x 11", BRADY
4	Z010404	PHOENIX CONTACT	LABEL, COMPONENT, PHOENIX

				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104
				TESTED BY:	Bill Of Materials	PANEL NUMBER C-4X
A	DM	02/12/2024	Rev A	START DATE: 11/28/2022	3772104 Enclosure	DRAWING # 962
REV	BY	DATE (M/D/Y)	DESC			



Module Labeling for Controller/Input/Output devices works as follows.  
Device Type Row - Column.

Example: A UI8 Input Module in row 1 in the second slot would be UI8 1-2.

Component labeling works as follows.                      Component Type/Drawing #/Rung #

Example: A Transformer on drawing 141 rung 01 will be XF14101.

Component Naming Codes:

XF	Transformer - Typical: Hammond 120/24Vac Step-down Isolation Transformer
F	Fuse - Typical: 250/24Vac Slow-Blow 5x20mm fuse in Phoenix Contact Hinged Fuse Holder

Priva Compass (C4) Modules:

Control/Communications Modules	
C-MX34	C-MX34 Control Module w/Mixed I/O
MX34	MX34 Expansion Module w/Mixed I/O
Gateway	Gateway Compass Industrial PC
Dongle	Dongle USB WiFi, 2.4Ghz
Input Modules	
UI8	UI8 Module with 8 Universal Inputs (Analog or Digital)
UI8S	UI8S Module with 8 Universal Inputs (Analog or Digital) w/Signalling
Digital Output Modules	
DOR6	DOR6 Module with 6 Relay Outputs
DOR6M	DOR6M Module with 6 Relay Outputs and Manual Override

				DESIGN BY: TJB	Priva Compass 4X	PART NUMBER 3772104
				TESTED BY:	Nomenclature	PANEL NUMBER C-4X
A	DM	02/12/2024	Rev A	START DATE:		DRAWING # 975
REV	BY	DATE (M/D/Y)	DESC	11/28/2022		





# Priva Compass 4X

Compass 4X  
As Built  
02/12/2024



# Priva Compass 4X

Compass 4X  
As Built  
02/12/2024



# Priva Compass 4X

Compass 4X  
As Built  
02/12/2024



# Priva Compass 4X

Compass 4X  
As Built  
02/12/2024



# Priva Compass 4X

Compass 4X  
As Built  
02/12/2024

