



WAYNE-SANDERSON FARMS; UNION SPRINGS, AL

ENGINEERING APPROVAL PACKAGE

SALES ORDER #203606S and 204052S

Engineering Contact: Dennis Barr
Title: Maintenance Manager
Email: dennis.barr@waynesanderson.com
Phone: 334-434-4830
Salesperson: Ashley Walter

Ship to Address: Wayne-Sanderson Farms
444 Baskin Street S.
Union Springs, AL 36089

P.O. #20290899, received on 02/24/2025. Sales Order #203606S. Order includes the following;

- Quantity 1, JBT CONTROLLER PAW RECOVERY SYSTEM, SN4390
- Quantity 1, JBT CONTROLLER EFFICIENCY MGMT SYS FOR PICKING LINE SYSTEM, SN4391
- Quantity 1, Install Supervision and Training, 1 Tech 3 days.

P.O. # 20294185, received on 03/07/2025. Sales Order #204052S. Order includes the following;

- Quantity 1, PLANT PC W/MARS EMS SFTWARE,PROGRAMMED,SO203606S, MRS3101-SO203606S

System overview.

JBT Prime will supply JBT controllers to replace the Gen 1 MARS controllers currently at the plant. These controllers will be for the Paw Tracking System and for the First Processing Counter System. JBT Prime will also supply a new reporting PC



MODEL # JBT CONTROLLER PAW RECOVERY SYSTEM Serial #SN4390. See attached drawing #4390.dwg for all dimensions, etc.

- **Controller is in a 20" H X 16" W X 8" D stainless steel Nema 4X enclosure with a plastic HMI cover.**

SN4390 Utilities.

Electrical.

- Customer is responsible for providing an electrical drop to the controller and for terminating into it.
 - Dedicated 120VAC, Single Phase, 60HZ, 6 Amps
- Customer is responsible for running the existing wire from each of the hardware components to the new controller and for replacing any worn or damaged wire. JBT Prime recommends shielded 10 conductor 22AWG communication wire. The JBT Prime tech will be responsible for terminating the wire.
 - 24VDC.

Network/Ethernet.

- Customer is responsible for running shielded CAT 6 ethernet cable from the controller to their nearest network switch.
- Customer is responsible for providing a static IP address for the controller. PLEASE NOTE CUSTOMER HAS PROVIDED THE FOLLOWING.
- **Static IP Address Paw Tracking Controller**
 - **IP Address:** 10.116.70.151
 - SN: [255.255.255.0](#)
 - GW: 10.116.70.254
 - DNS1: [167.110.87.115](#)
 - DNS2: [167.110.212.4](#)
- Customer is responsible for providing remote VPN access to the controller to JBT Prime Principal Software Engineer Chris Freeman chirs.freeman@jbtc.com.

Mounting

- Customer is responsible for all labor and material needed to mount the equipment and for providing and running any needed conduit.

MODEL # JBT CONTROLLER EFFICIENCY MGMT SYS FOR PICKING LINE SYSTEM Serial #SN4391. See attached drawing #SN4391.dwg for all dimensions, etc.

- **Controller is in a 20" H X 16" W X 8" D stainless steel Nema 4X enclosure with a plastic HMI cover.**

SN4391 Utilities.



Electrical.

- Customer is responsible for providing an electrical drop to the controller and for terminating into it.
 - Dedicated 120VAC, Single Phase, 60HZ, 6 Amps
- Customer is responsible for running the existing wire from each of the hardware components to the new controller and for replacing any worn or damaged wire. JBT Prime recommends shielded 10 conductor 22AWG communication wire. The JBT Prime tech will be responsible for terminating the wire.
 - 24VDC.

Network/Ethernet.

- Customer is responsible for running shielded CAT 6 ethernet cable from the controller to their nearest network switch.
- Customer is responsible for providing a static IP address for the controller. PLEASE NOTE CUSTOMER HAS PROVIDED THE FOLLOWING.
- **Static IP Address First Processing Counter Controller**
 - **IP Address:** 10.116.70.152
 - SN: [255.255.255.0](#)
 - GW: 10.116.70.254
 - DNS1: [167.110.87.115](#)
 - DNS2: [167.110.212.4](#)
- Customer is responsible for providing remote VPN access to the controller to JBT Prime Principal Software Engineer Chris Freeman chirs.freeman@jbtc.com.

Mounting

- Customer is responsible for all labor and material needed to mount the equipment and for providing and running any needed conduit.
- **MODEL # PLANT PC W/MARS EMS SFTWARE,PROGRAMMED,SO203606S Part # MRS3101-SO203606S.**

MRS3101-SO203606S Utilities.

Electrical.

- Customer is responsible for plugging the computer into a standard 120VAC wall outlet. This computer should be placed in a dry climate-controlled room like an office.

Network/Ethernet.

- Customer is responsible for running shielded CAT 6 ethernet cable from the controller to their nearest network switch.
- Customer is responsible for providing a static IP address for the controller. PLEASE NOTE CUSTOMER HAS PROVIDED THE FOLLOWING.



- **Static IP Address MARS EMS Reporting PC**
 - **IP Address:** 10.116.70.150
 - SN: [255.255.255.0](#)
 - GW: 10.116.70.254
 - DNS1: [167.110.87.115](#)
 - DNS2: [167.110.212.4](#)
- Customer is responsible for providing remote VPN access to the controller to JBT Prime Principal Software Engineer Chris Freeman chirs.freeman@jbtc.com.

All above information is based off the attached drawings. Please sign below stating that you agree to the above information and attached drawings.

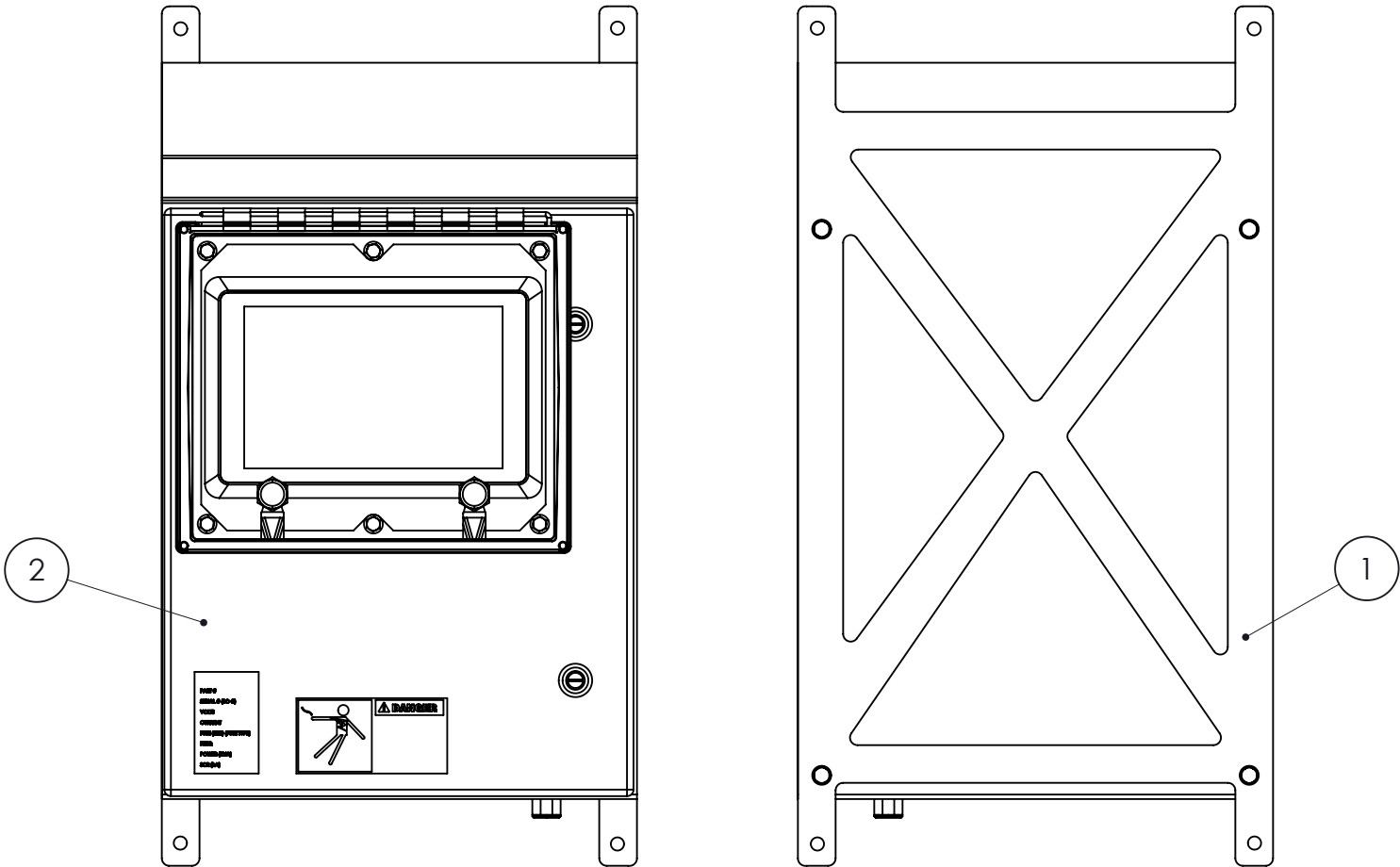
APPROVAL SIGNATURE: _____

PRINT NAME: _____

TITLE: _____

DATE: _____

Please sign this page and return the package.



2	1	MPAWRS-10001	PAW RECOVERY SYST, JBT
1	1	85083	KIT, BRACKET, JBT CONTROLLER
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION

NEW SN		Description of Change	
A	-	By	Date
Revision	ECN #	Current Revision Information	

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TOLERANCES
X.X ± 0.1 FRACT ± 1/16
X.XX ± 0.01 ANGLE ± 0.25°
X.XXX ± 0.005
SURFACE FINISH 250 MICROINCH
BREAK ALL SHARP EDGES 0.015.
CONCENTRICITY 0.01 TIR.
WELD BEAD 1/8" TYP

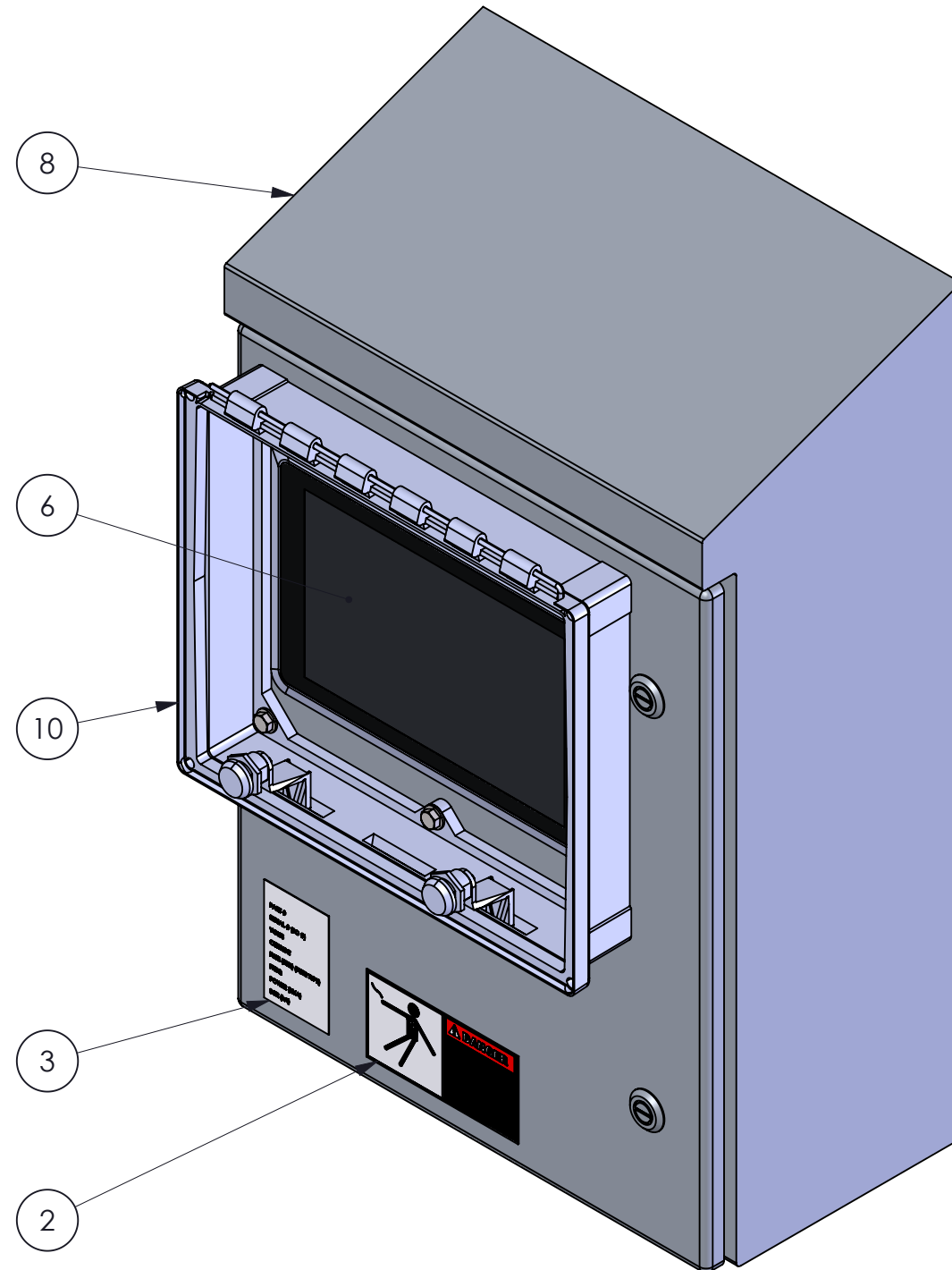
LOCATIONS
Columbus, OH. USA (614) 253-8590
Gainesville, GA. USA (770) 532-4766
Chapeco SC Brazil 55 (49) 3328-3322
Material: SEE BOM/DETAILS
Finish: SEE BOM/DETAILS
Heat Treat: SEE BOM/DETAILS
Designed By: martist 02/27/2025
Detailed By: martist 02/27/2025
Approved By: mironeg 02/27/2025



JBT CONTROLLER PAW RECOVERY SYSTEM

Size	Part Number	Rev.
A	SN4390	A



SHEET 1 OF 1

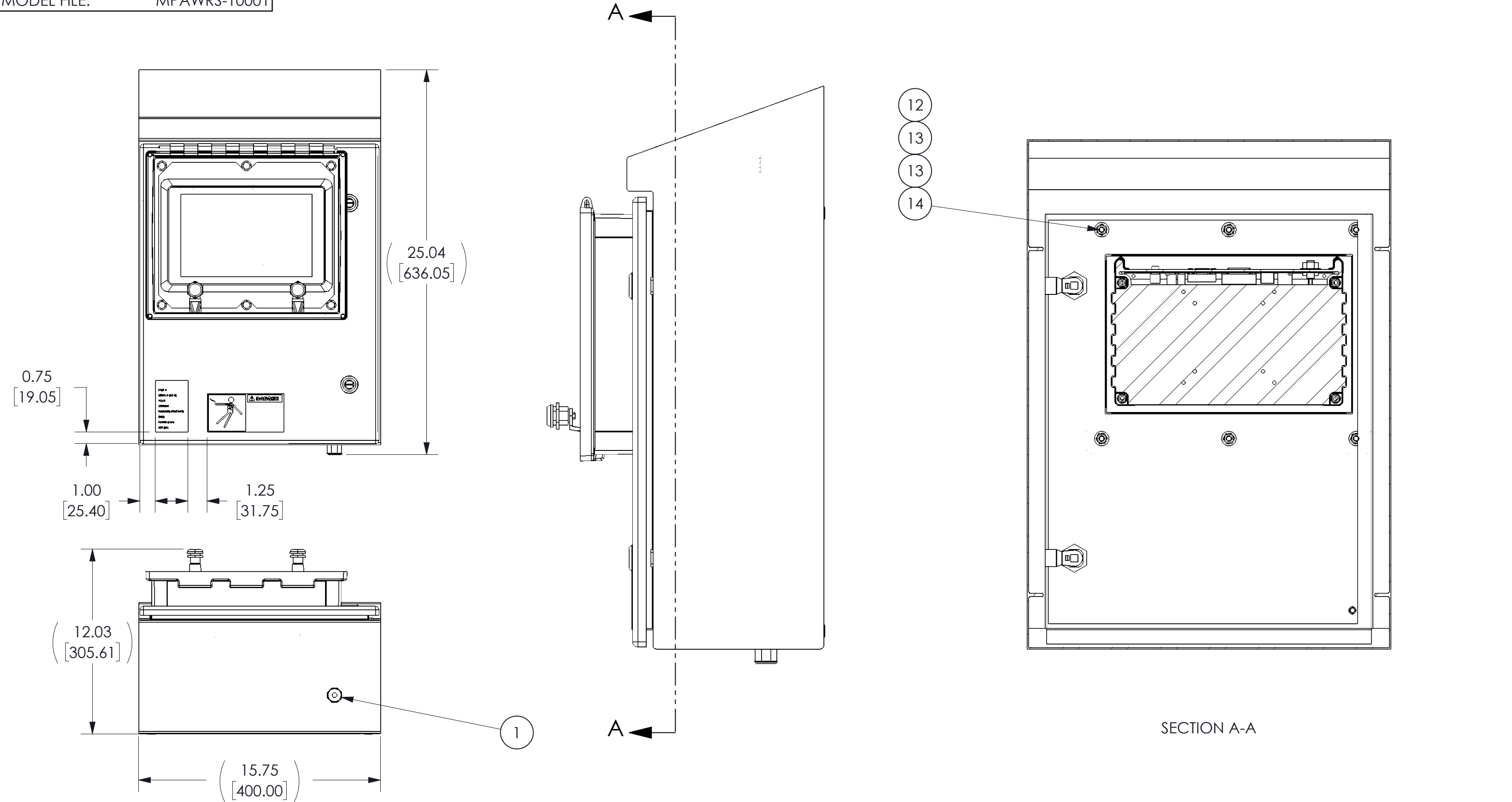


NOT SHOWN: 7

16	4	MRS1043	CBL, OUTPUT WIRES W/CONNECTOR
15	1	MRS1042	CBL,POWER WIRE w/CONNECTOR
14	6	HCSS025C0100	SCR,CAP,HEXHD,1/4-20X1,SS
13	12	FWUS025	FLW,1/4,SS
12	6	ESNS025C	LKNT,INSR,NYL,1/4-20,SS
11	1	EA120-100001	MARS/JBT CNTRL PANEL ASM, BASIC
10	1	81636	CVR,HMI,12X10,MOD,PLASTIC
9	4	81250	CBL, INPUT WIRE W/CONNECTOR JBT CONTROLLER
8	1	81102	MACH, ENCL, 20X16X08, SLPTOP, JBT SYS (CAT)
7	1	80787	CBL, HDMI, 3FT
6	1	80742	DISPLAY, 10", PNL MT, ALUM BEZEL, IP65
5	1	80001	BOARD, CNTRL, JBT
4	1	79453-16	RASPBERRY PI COMPUTE MODULE 3+ / 16GB
3	1	28814	PLT,LEGND,PVC,0,5MM THCK,US-EMLP 85,6X54
2	1	19883	SAFETY STICKER,WARN,VOLTAGE,HORIZONTAL
1	1	10526	CORD GRIP, 0.20-0.35, 1/2NPT, 1HOLE, STR
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION

NOTE:
ALL DIMENSIONS ARE IN INCHES, MILLIMETERS ARE SPECIFIED AS A REFERENCE.

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	Revision	ECN #	By	Date	Description of Change	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES		Columbus, OH. USA (614) 253-8590 Gainsville, GA. USA (770) 532-4766 Chapeco SC Brazil 55 (49) 3328-3322	Material:					SEE BOM/DETAILS		
	Current Revision Information					X.X ± 0.1 FRACT ±1/16 X.XX ± 0.01 ANGLE ±0.25° X.XXX ± 0.005		SEE BOM/DETAILS	Finish:					SEE BOM/DETAILS		
						SURFACE FINISH 250 MICROINCH. BREAK ALL SHARP EDGES 0.015. CONCENTRICITY 0.01 TIR. WELD BEAD 1/8" TYP		Heat Treat:	SEE BOM/DETAILS					Size	Part Number	Rev.
								Designed By: loganca 08/25/2023 Detailed By: loganca 08/25/2023 Approved By: BrasilE 12/14/2023	BMPAWS-10001C					SHEET 1 OF 3		



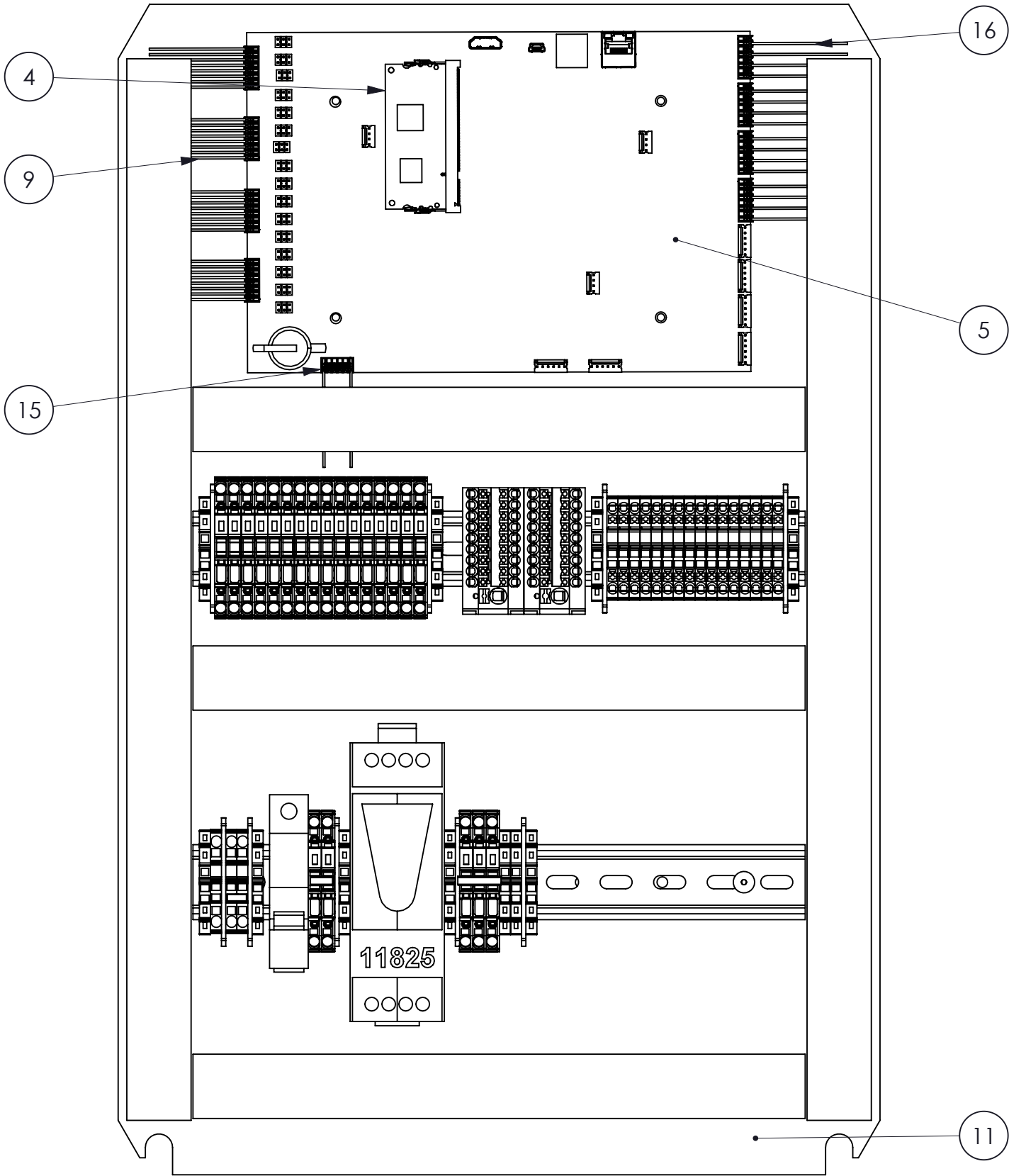
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C	-	martist	08/07/2024	REMOVED RELAYS
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THIRD ANGLE PROJECTION	⊕	⏏
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES TOLERANCES		
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X.XX ± 0.01	ANGLE ± 0.25°	
X.XXX ± 0.005		
SURFACE FINISH 250 MICROINCH. BREAK ALL SHARP EDGES 0.015. CONCENTRICITY 0.01 TIR. WELD BEAD 1/8" TYP		

LOCATIONS	
Columbus, OH. USA	(614) 253-8590
Gainsville, GA. USA	(770) 532-4766
Chapeco SC Brazil	55 (49) 3328-3322
Material:	SEE BOM/DETAILS
Finish:	SEE BOM/DETAILS
Heat Treat:	SEE BOM/DETAILS
Designed By:	loganca 08/25/2023
Detailed By:	loganca 08/25/2023
Approved By:	BrasilE 12/14/2023

		PAW RECOVERY SYST, JBT	
Size	Part Number	Rev.	
B	MPAWRS-10001	C	
SHEET 2 OF 3			




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C	-	martist	08/07/2024	REMOVED RELAYS
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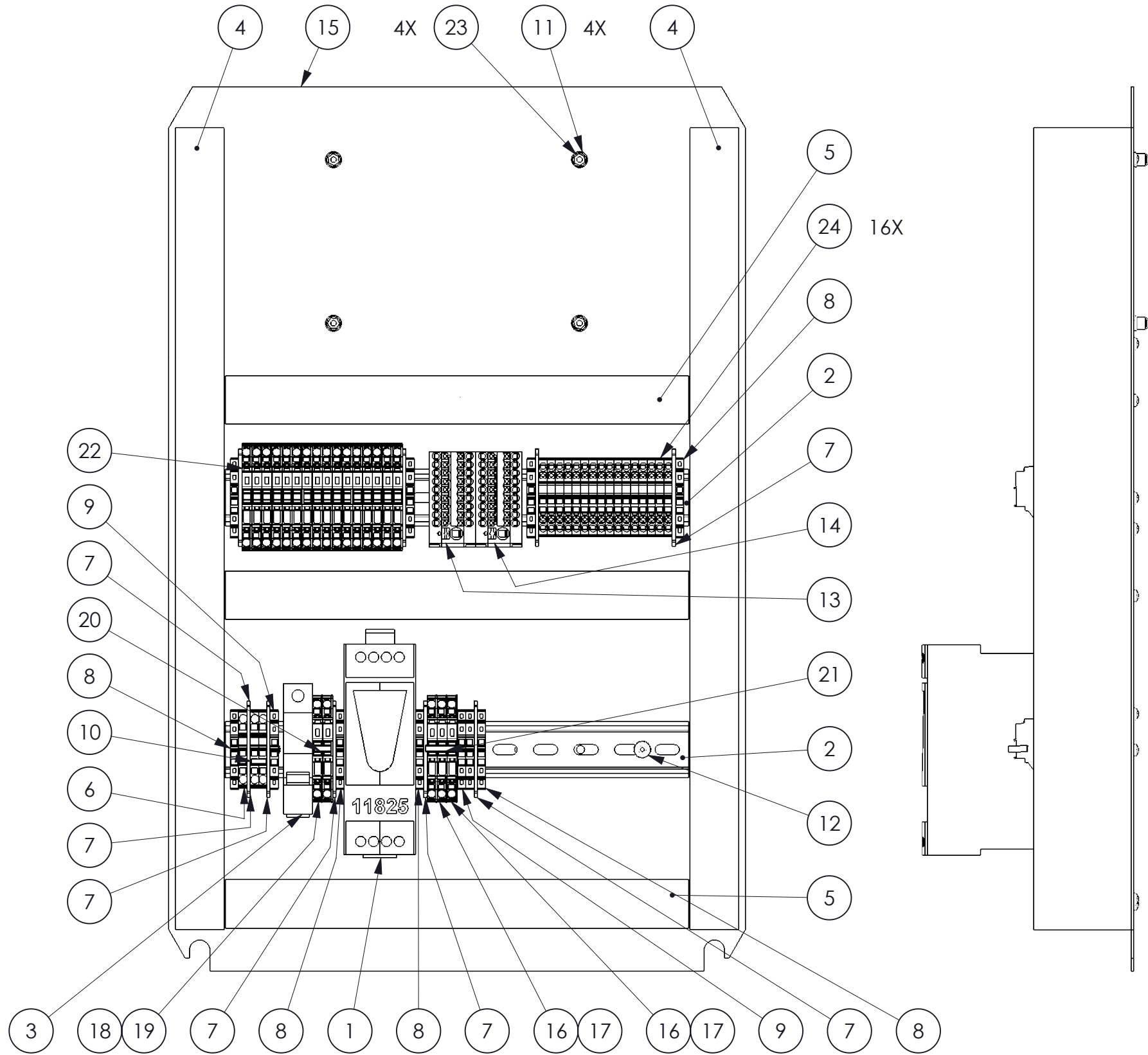
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Finish:	SEE BOM/DETAILS
Heat Treat:	SEE BOM/DETAILS
Designed By:	loganca 08/25/2023
Detailed By:	loganca 08/25/2023
Approved By:	BrasilE 12/14/2023



PAW RECOVERY SYST, JBT

Size	Part Number	Rev.
B	MPAWRS-10001	C

SHEET 3 OF 3



24	16	MRS1223	TERMINAL,26-12AWG,YEL,5.2MM	
23	4	MRS1021	Control Panel Long Stand-Offs	
22	16	84016	FUSE, 315mA, MINI	
21	1	82850	JUMPER, 3P, 6.2MM TERM, GRA	
20	1	82849	JUMPER, 2P, GRAY	
19	2	80044	TERM, HLDR, FUSE, MINI, 120V	
18	2	80038	FUSE, 5A, MINI	
17	3	80037	FUSE, 2A, MINI	
16	19	80036	TERM, HLDR, FUSE, MINI, 24V	
15	1	79926	PNL,BACK,16X20,SS,MARS 16 I/O	
14	1	69567	TERMINAL, DISTR, 19PTS, BK	
13	1	69566	TERMINAL, DISTR, 19PTS, RED	
12	25	59210	RIVET, POP, 3/16, AL	
11	4	59209	RIVET, NUT, 8-32, AL	
10	1	27503	JUMPER,BUS,2P,F/5.2MM TERM,RED	
9	3	27501	TERMINAL, GND, 26-12AWG, GRN/YEL, 5.2MM	
8	8	27500	END CLAMP, TERM, GRAY, 5.15MM	
7	9	27499	PART PLT, TERM, 2MM, GREY, F/27498	
6	3	27498	TERMINAL, 26-12AWG, GREY, 5.2MM	
5	3	17413	WIRE DUCT, 30X60MM, NAR SLOT, GRAY	11.25
4	2	17413	WIRE DUCT, 30X60MM, NAR SLOT, GRAY	19.5
3	1	12974	CIRCUIT BREAKER, 1P, 5A	
2	2	11874	DIN RAIL, STEEL, 35MM X 15MM	11.25
1	1	11825	POWER SUPPLY, 24VDC, 3A, 100-500V	
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	LENGTH

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I	-	martist	06/24/2024	UPDATED BOM
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X.XX ± 0.01 ANGLE ± 0.25°
X.XXX ± 0.005

SURFACE FINISH 250 MICROINCH.
BREAK ALL SHARP EDGES 0.015.
CONCENTRICITY 0.01 TIR.
WELD BEAD 1/8" TYP

LOCATIONS

Columbus, OH. USA (614) 253-8590
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Chapeco SC Brazil 55 (49) 3328-3322

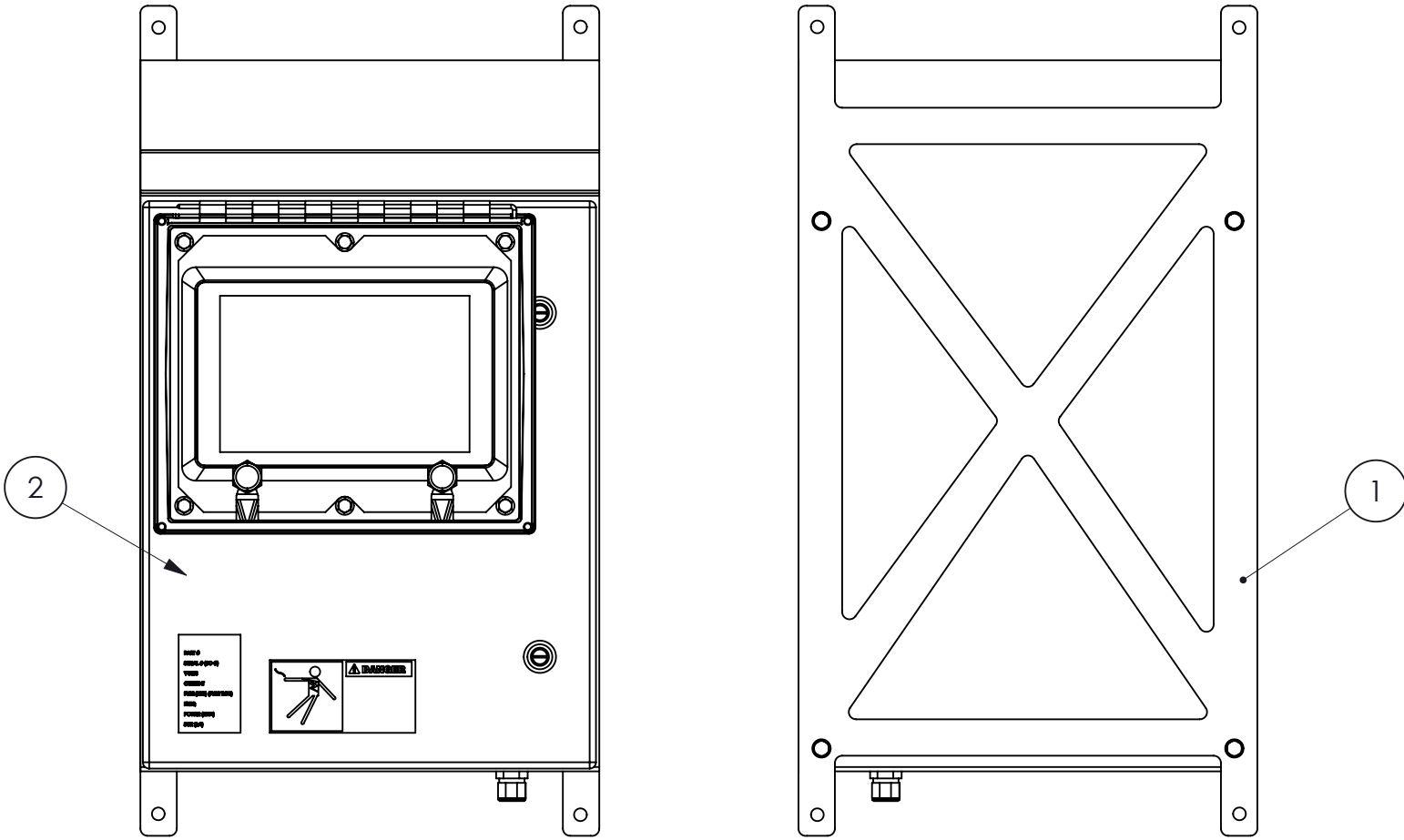
Material: SEE BOM/DETAILS
Finish: SEE BOM/DETAILS
Heat Treat: SEE BOM/DETAILS
Designed By: willswy Jul 22, 21
Detailed By: willswy 07/22/2021
Approved By: heckert 04/11/2022

PRIME
EQUIPMENT GROUP

MARS/JBT CNTRL PANEL ASM,
BASIC

Size	Part Number	Rev.
B	EA120-100001	I

SHEET 1 OF 1




2	1	MSCNTR-10001	COUNTER SYSTEM
1	1	85083	KIT, BRACKET, JBT CONTROLLER
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION

NEW SN		Description of Change	
A	Revision	ECN #	Date
-	By	-	-
Current Revision Information			
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SURFACE FINISH 250 MICROINCH
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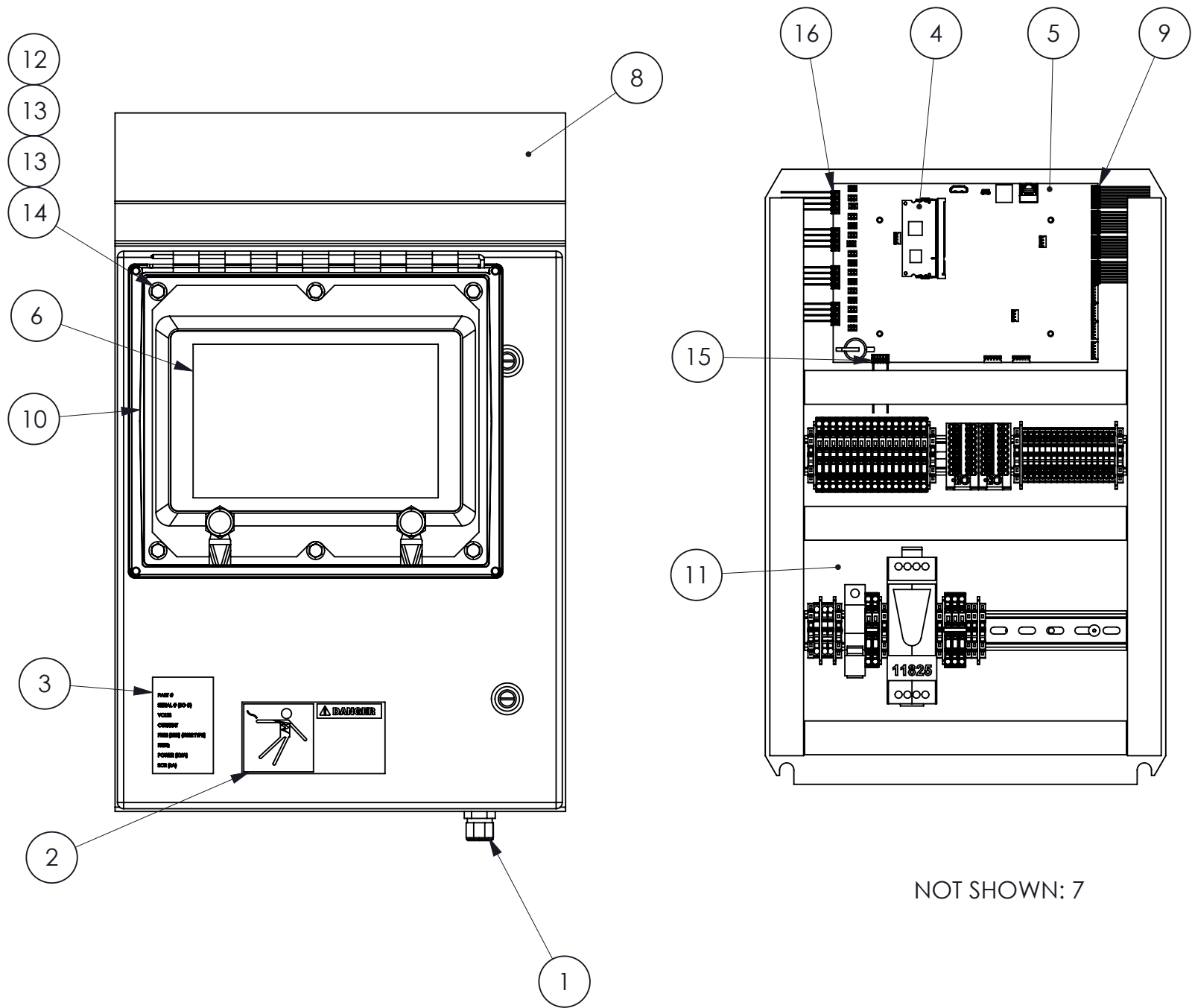
LOCATIONS
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Material: SEE BOM/DETAILS
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Heat Treat: SEE BOM/DETAILS
Designed By: martist 02/27/2025
Detailed By: martist 02/27/2025
Approved By: mironeg 02/27/2025



JBT CONTROLLER EFFICIENCY MGMT SYS

Size	Part Number	Rev.
A	SN4391	A

SHEET 1 OF 1



16	4	MRS1043	CBL, OUTPUT WIRES W/CONNECTOR
15	1	MRS1042	CBL,POWER WIRE w/CONNECTOR
14	6	HCSS025C0100	SCR,CAP,HEXHD,1/4-20X1,SS
13	12	FWUS025	FLW,1/4,SS
12	6	ESNS025C	LKNT,INSR,NYL,1/4-20,SS
11	1	EA120-100001	MARS/JBT CNTRL PANEL ASM, BASIC
10	1	81636	CVR,HMI,12X10,MOD,PLASTIC
9	4	81250	CBL, INPUT WIRE W/CONNECTOR JBT CONTROLLER
8	1	81102	MACH, ENCL, 20X16X08, SLPTOP, JBT SYS (CAT)
7	1	80787	CBL, HDMI, 3FT
6	1	80742	DISPLAY, 10", PNL MT, ALUM BEZEL, IP65
5	1	80001	BOARD, CNTRL, JBT
4	1	79453-16	RASPBERRY PI COMPUTE MODULE 3+ / 16GB
3	1	28814	PLT,LEGND,PVC,0,5MM THCK,US-EMLP 85,6X54
2	1	19883	SAFETY STICKER,WARN,VOLTAGE,HORIZONTAL
1	1	10526	CORD GRIP, 0.20-0.35, 1/2NPT, 1HOLE, STR
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION

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B	-	martist	07/18/2024	updated BOM
Revision	ECN #	By	Date	Description of Change
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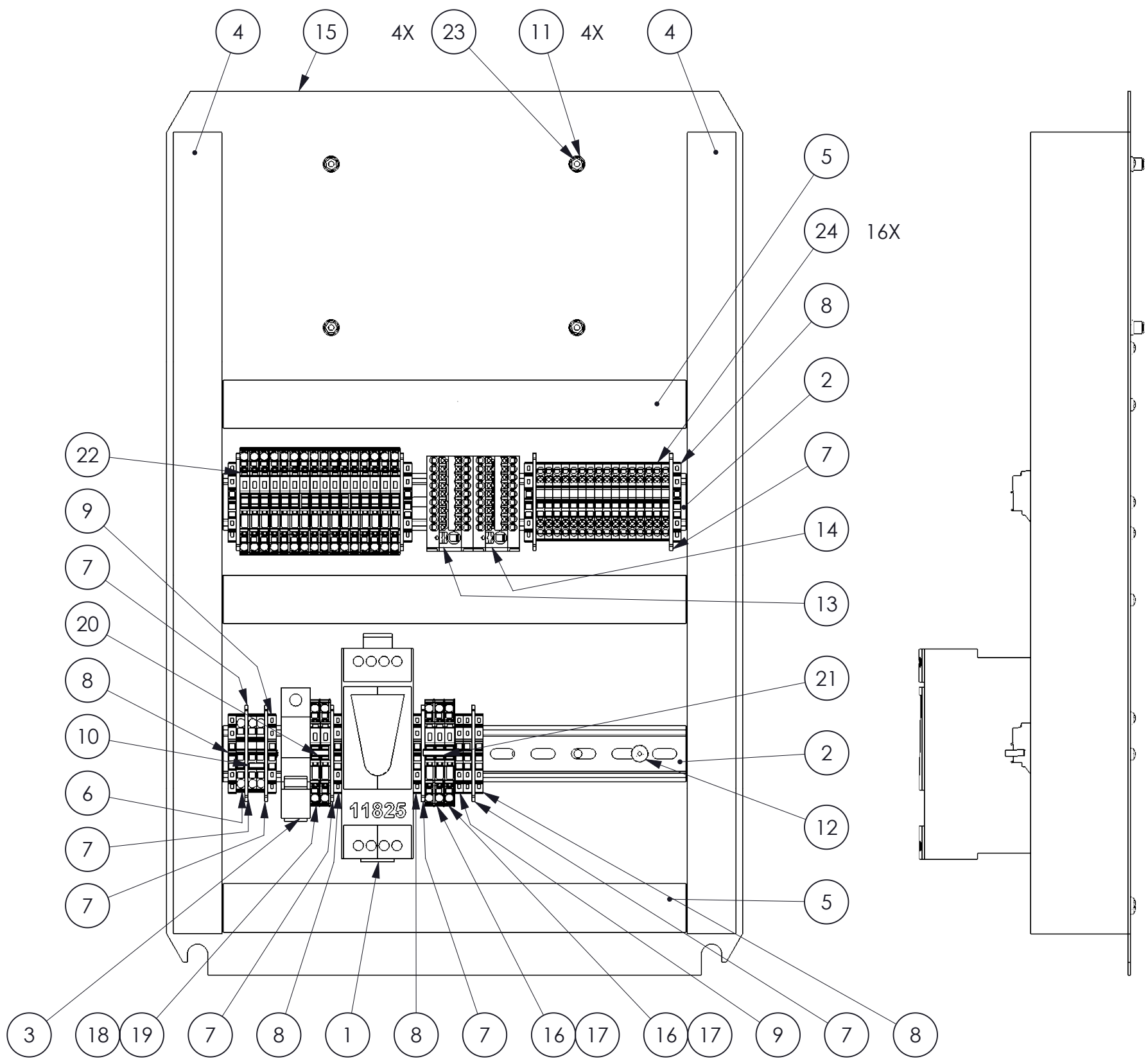
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Heat Treat:	SEE BOM/DETAILS
Designed By:	martist 07/01/2024
Detailed By:	martist 07/01/2024
Approved By:	mironeg 07/02/2024

COUNTER SYSTEM

Size	Part Number	Rev.
B	MSCNTR-10001	B

SHEET 1 OF 1



24	16	MRS1223	TERMINAL,26-12AWG,YEL,5.2MM	
23	4	MRS1021	Control Panel Long Stand-Offs	
22	16	84016	FUSE, 315mA, MINI	
21	1	82850	JUMPER, 3P, 6.2MM TERM, GRA	
20	1	82849	JUMPER, 2P, GRAY	
19	2	80044	TERM, HLDR, FUSE, MINI, 120V	
18	2	80038	FUSE, 5A, MINI	
17	3	80037	FUSE, 2A, MINI	
16	19	80036	TERM, HLDR, FUSE, MINI, 24V	
15	1	79926	PNL,BACK,16X20,SS,MARS 16 I/O	
14	1	69567	TERMINAL, DISTR, 19PTS, BK	
13	1	69566	TERMINAL, DISTR, 19PTS, RED	
12	25	59210	RIVET, POP, 3/16, AL	
11	4	59209	RIVET, NUT, 8-32, AL	
10	1	27503	JUMPER,BUS,2P,F/5.2MM TERM,RED	
9	3	27501	TERMINAL, GND, 26-12AWG, GRN/YEL, 5.2MM	
8	8	27500	END CLAMP, TERM, GRAY, 5.15MM	
7	9	27499	PART PLT, TERM, 2MM, GREY, F/27498	
6	3	27498	TERMINAL, 26-12AWG, GREY, 5.2MM	
5	3	17413	WIRE DUCT, 30X60MM, NAR SLOT, GRAY	11.25
4	2	17413	WIRE DUCT, 30X60MM, NAR SLOT, GRAY	19.5
3	1	12974	CIRCUIT BREAKER, 1P, 5A	
2	2	11874	DIN RAIL, STEEL, 35MM X 15MM	11.25
1	1	11825	POWER SUPPLY, 24VDC, 3A, 100-500V	
ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	LENGTH

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I	-	martist	06/24/2024	UPDATED BOM
Revision	ECN #	By	Date	Description of Change
Current Revision Information				

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THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES
TOLERANCES

X.X ± 0.1 FRACT ± 1/16
X.XX ± 0.01 ANGLE ± 0.25°
X.XXX ± 0.005

SURFACE FINISH 250 MICROINCH.
BREAK ALL SHARP EDGES 0.015.
CONCENTRICITY 0.01 TIR.
WELD BEAD 1/8" TYP

LOCATIONS

Columbus, OH. USA (614) 253-8590
Gainsville, GA. USA (770) 532-4766
Chapeco SC Brazil 55 (49) 3328-3322

Material: SEE BOM/DETAILS
Finish: SEE BOM/DETAILS
Heat Treat: SEE BOM/DETAILS
Designed By: willswy Jul 22, 21
Detailed By: willswy 07/22/2021
Approved By: heckert 04/11/2022

PRIME
EQUIPMENT GROUP

MARS/JBT CNTRL PANEL ASM,
BASIC

Size	Part Number	Rev.
B	EA120-100001	I

SHEET 1 OF 1