

**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 SOFTWARE, 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](mailto: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](mailto: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](mailto: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.

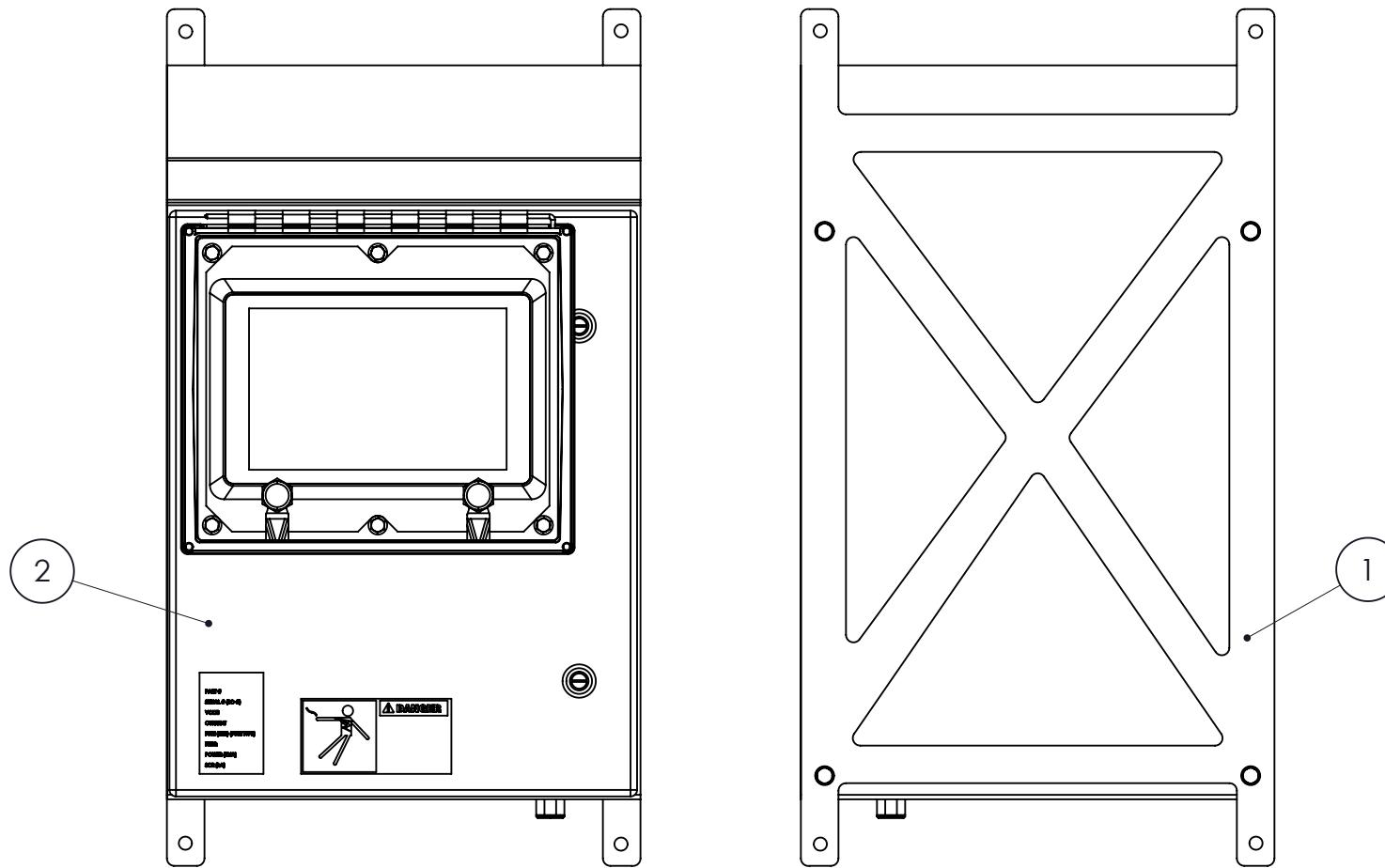
APPROVAL SIGNATURE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

Please sign this page and return the package.



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

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

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THIRD ANGLE PROJECTION

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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  
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

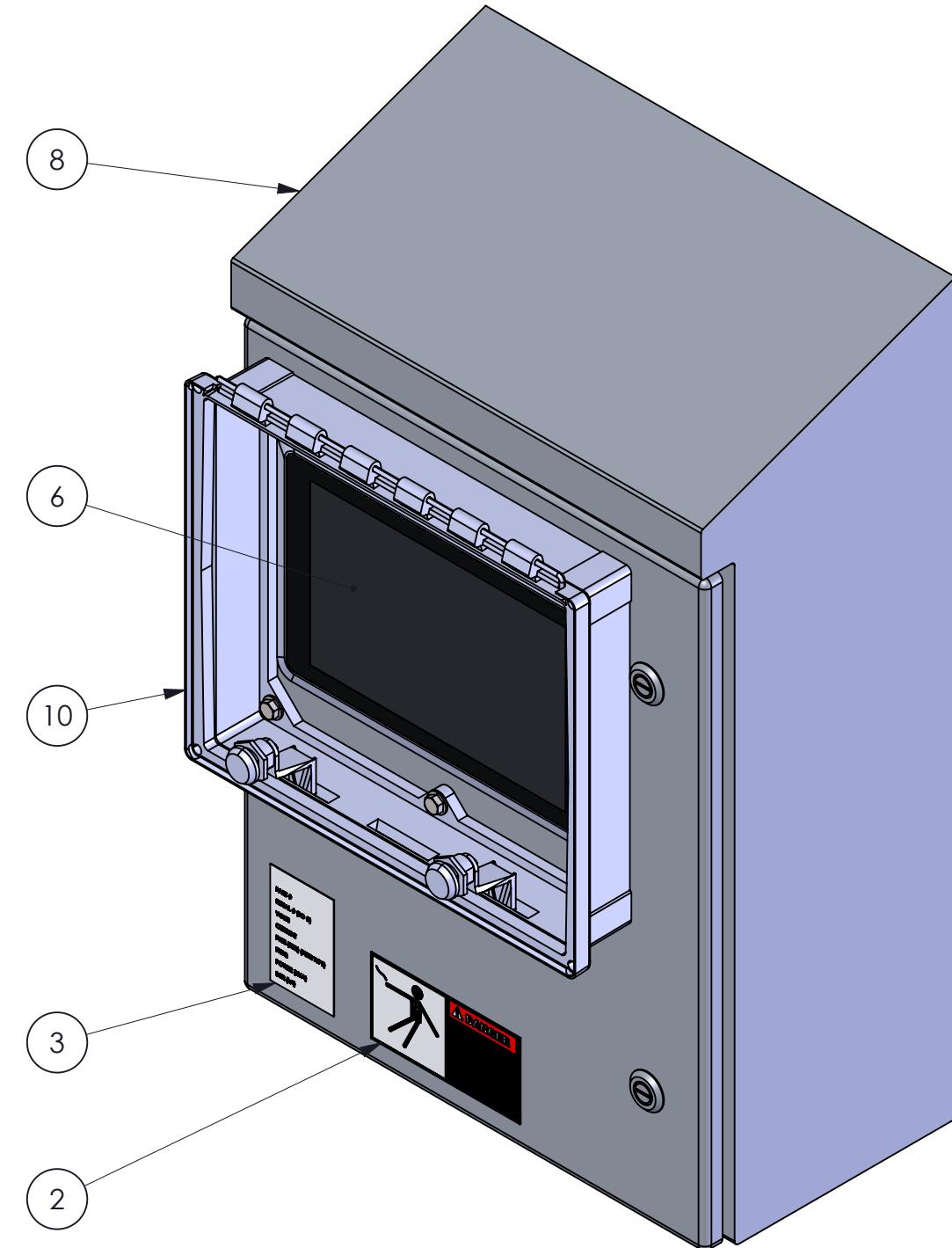
Approved By: mironeg 02/27/2025

PRIME  
EQUIPMENT GROUP

JBT CONTROLLER PAW  
RECOVERY SYSTEM

Size	Part Number	Rev.
A	SN4390	A
SHEET 1 OF 1		

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NOTE:  
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C - martist 08/07/2024 REMOVED RELAYS

Revision ECN # By Date

Description of Change

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ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
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

## THIRD ANGLE PROJECTION

## LOCATIONS

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Gainsville, GA, USA (770) 532-4766

Chapeco SC Brazil 55 (49) 3328-3322

Material: SEE BOM/DETAILS

SEE BOM/DETAILS

Finish: SEE BOM/DETAILS

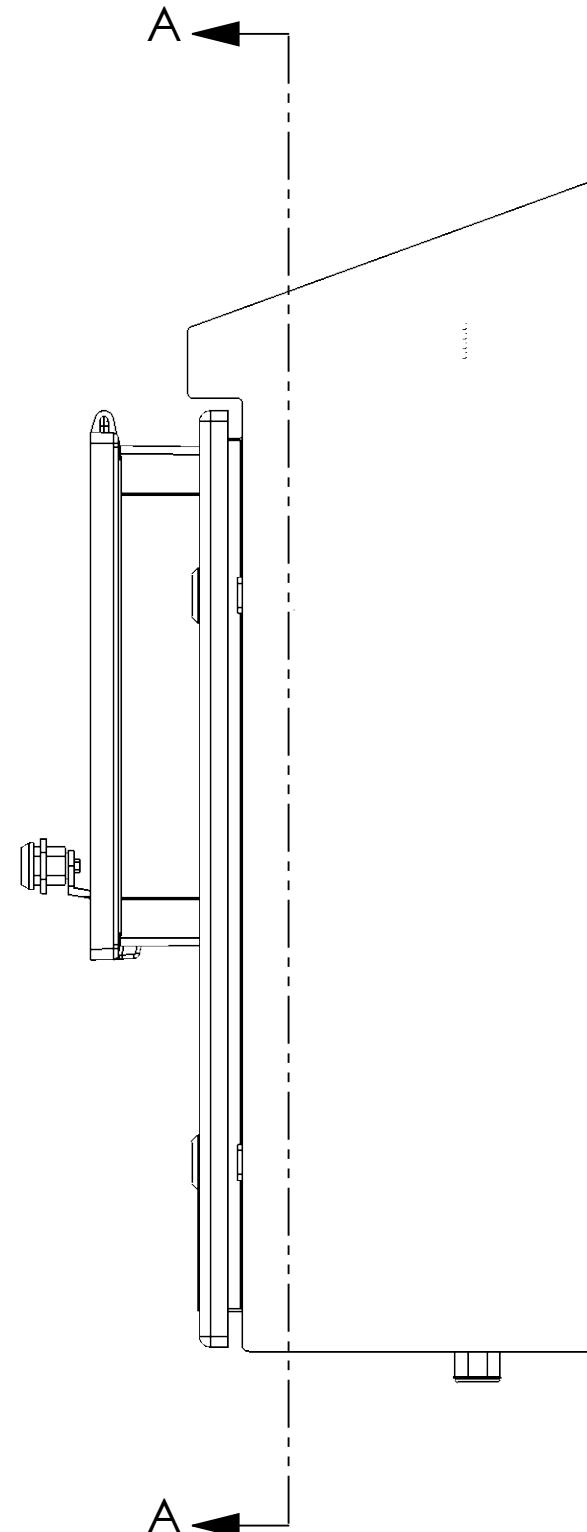
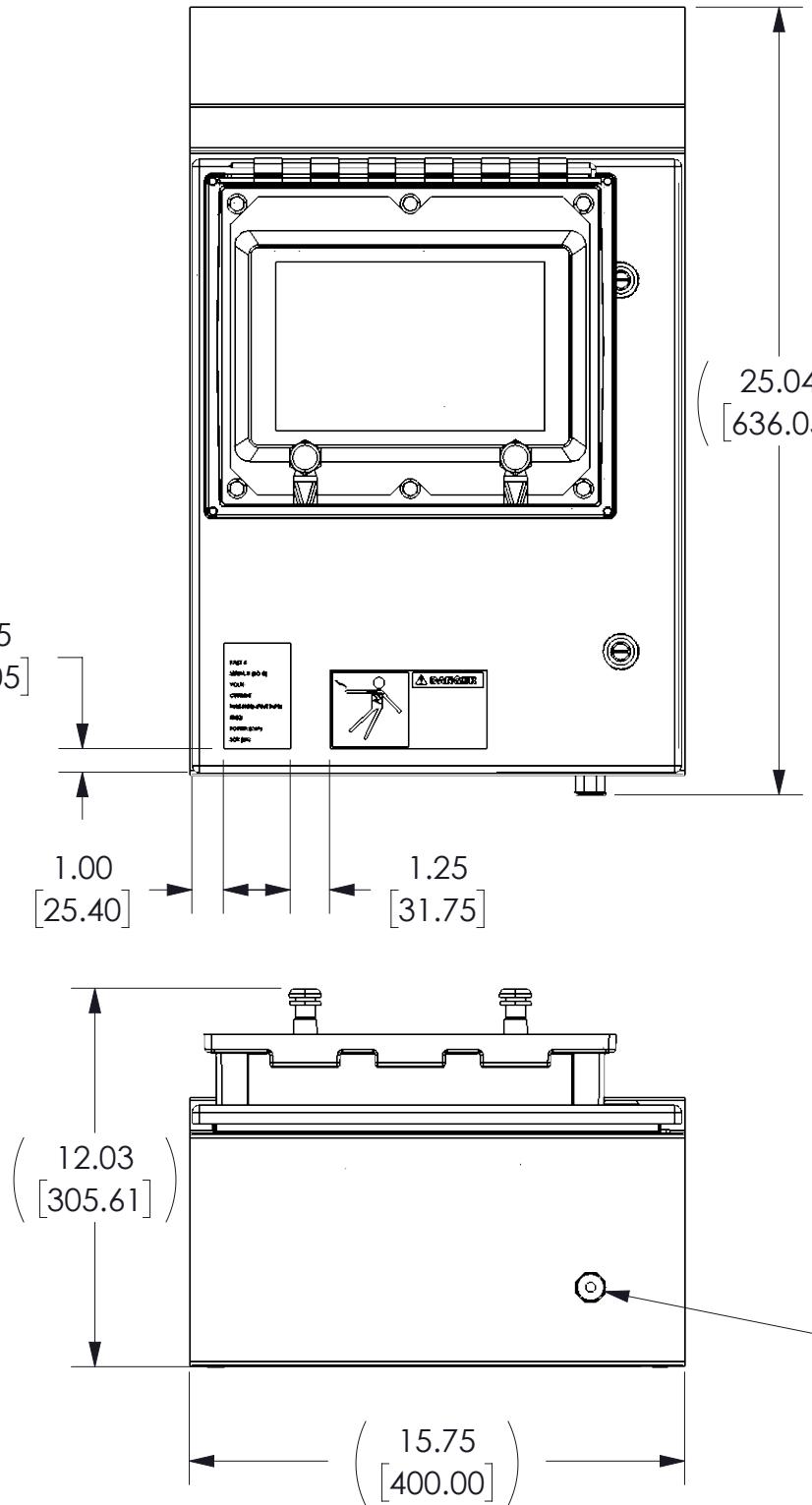
Heat Treat: SEE BOM/DETAILS

Designed By: loganca 08/25/2023

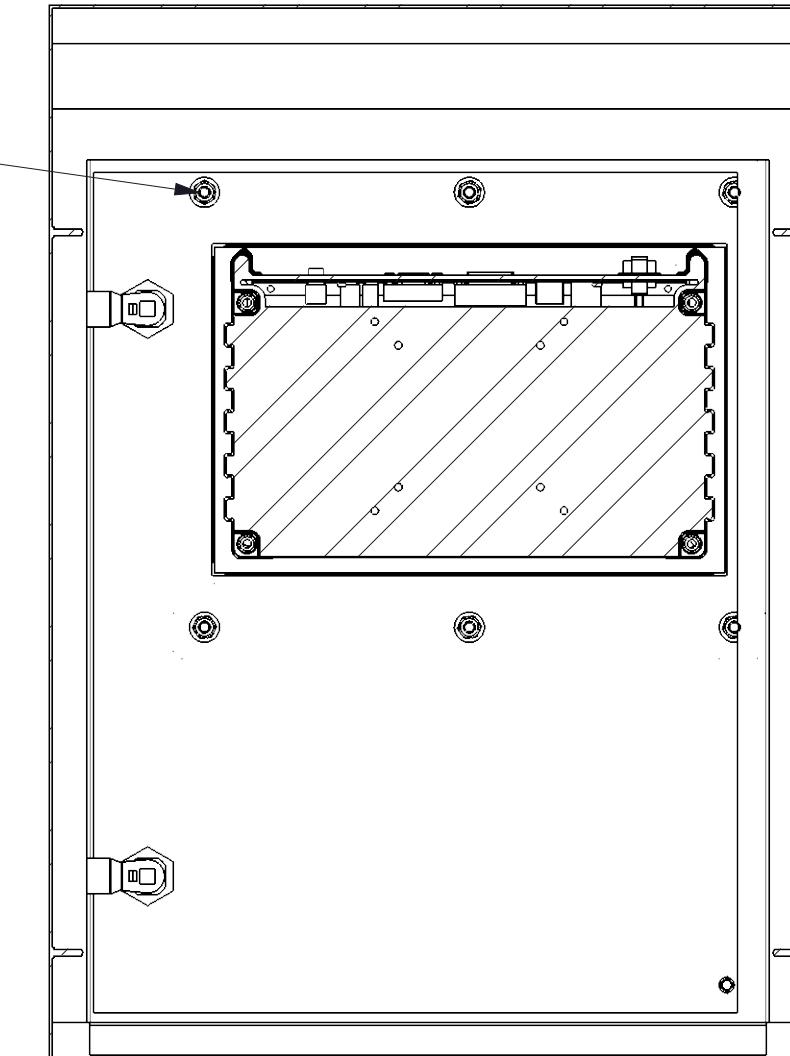
Detailed By: loganca 08/25/2023

Approved By: BrasilE 12/14/2023

 Size Part Number Rev.  
**B** MPAWRS-10001 **C**  
 SHEET 1 OF 3



12  
13  
13  
14



SECTION A-A

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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

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

**PRIME**  
EQUIPMENT GROUP

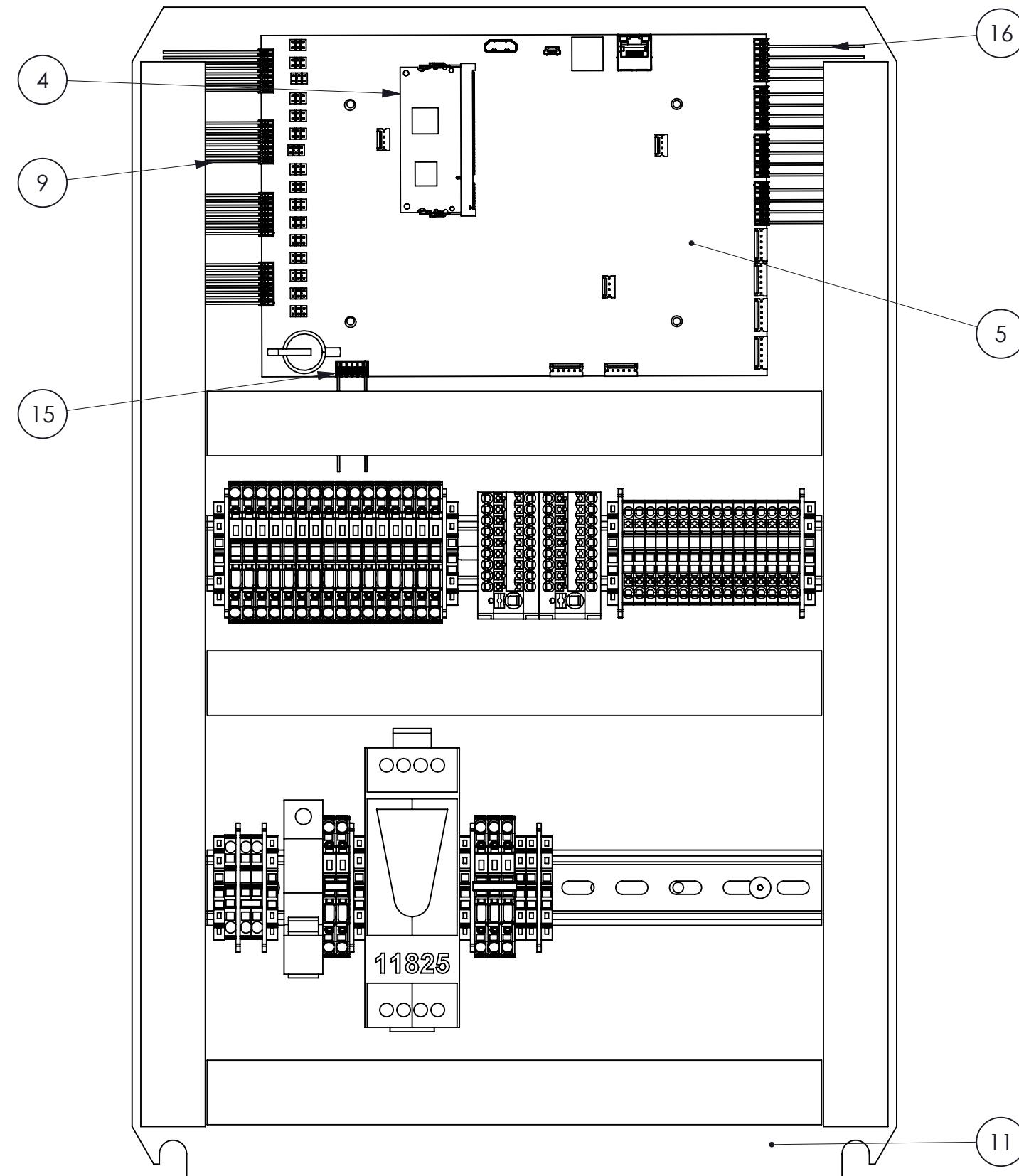
PAW RECOVERY SYST, JBT

Size Part Number

**B** MPAWRS-10001 **C**

Rev.

SHEET 2 OF 3



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#### THIRD ANGLE PROJECTION

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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

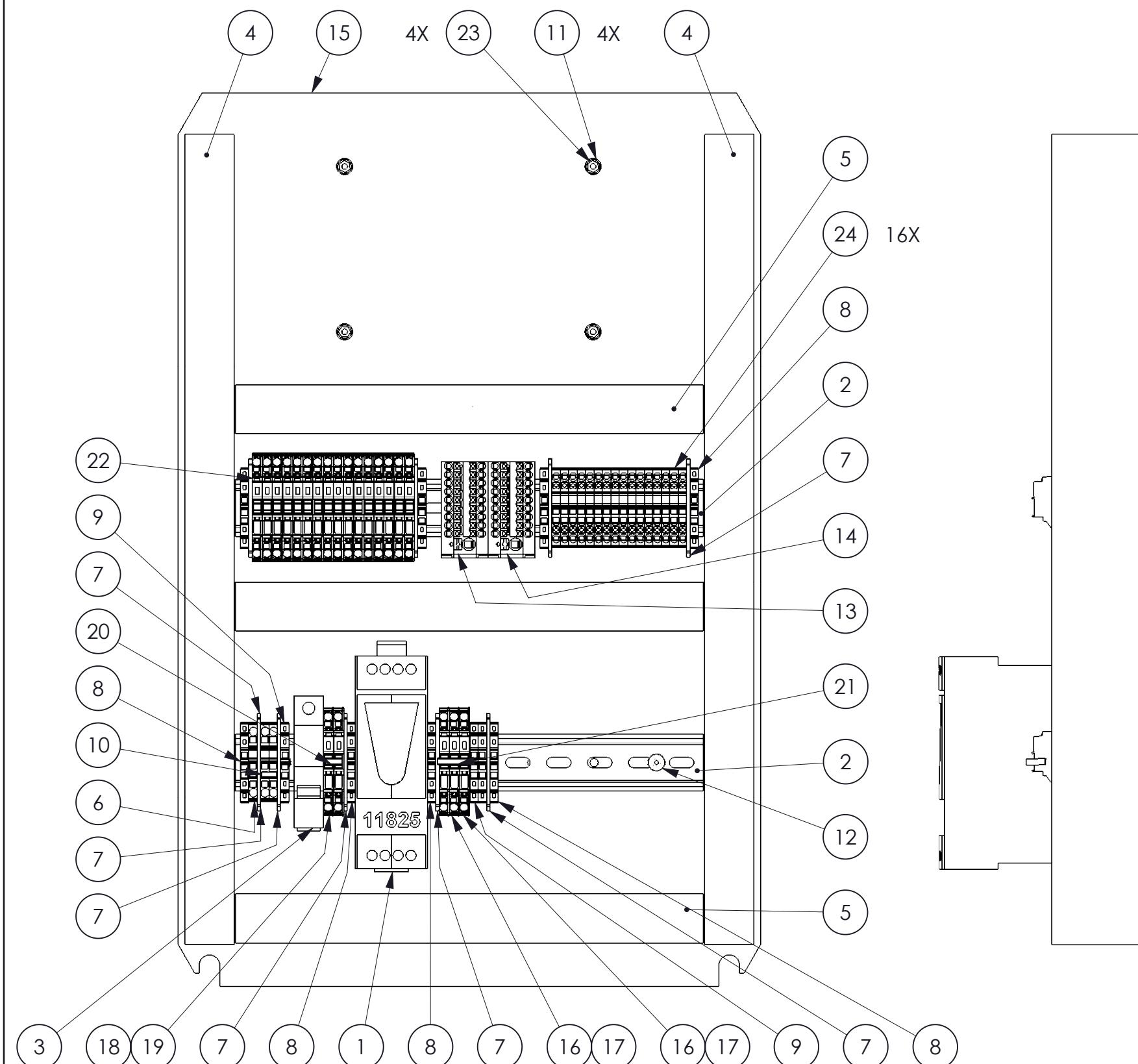
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PAW RECOVERY SYST, JBT

Size Part Number Rev.  
**B** MPAWRS-10001 **C**  
Designed By: loganca 08/25/2023  
Detailed By: loganca 08/25/2023  
Approved By: BrasilE 12/14/2023  
SHEET 3 OF 3



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	LENGTH
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	

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I - martist 06/24/2024 UPDATED BOM

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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

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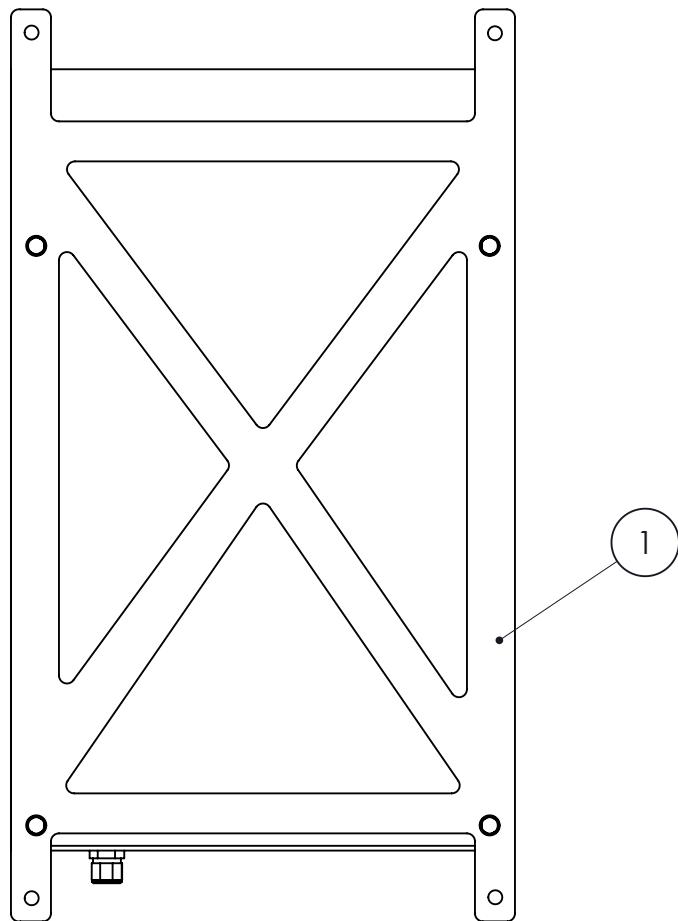
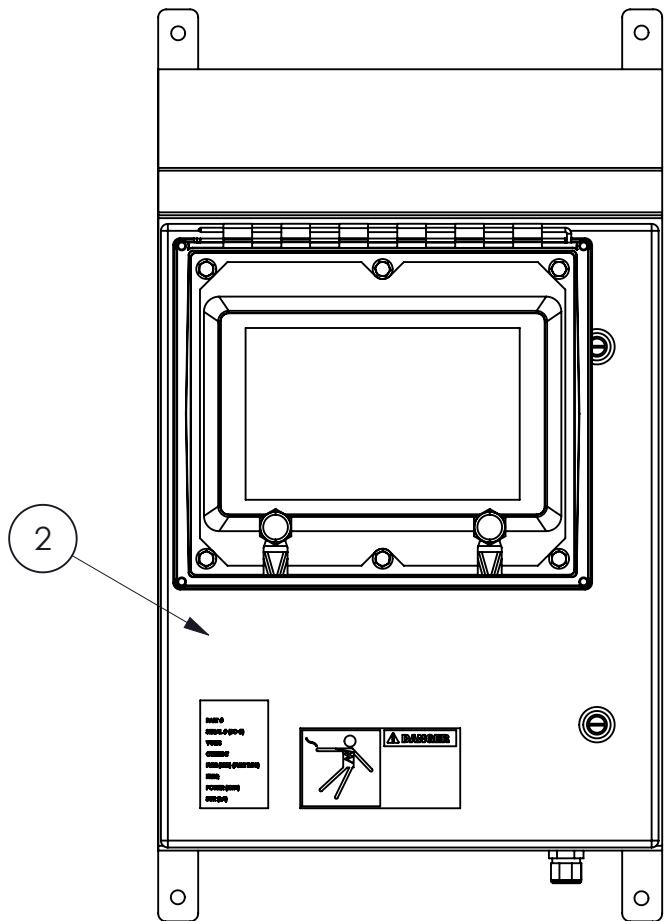
#### MARS/JBT CNTRL PANEL ASM, BASIC

Size Part Number

**B** EA120-100001

Rev. I

SHEET 1 OF 1



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

A	-	-	NEW SN
Revision	ECN #	By	Date

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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

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Chapeco SC Brazil 55 (49) 3328-3322

Material: SEE BOM/DETAILS  
SEE BOM/DETAILS

Finish: SEE BOM/DETAILS

Heat Treat: SEE BOM/DETAILS

Designed By: martist 02/27/2025

Detailed By: martist 02/27/2025

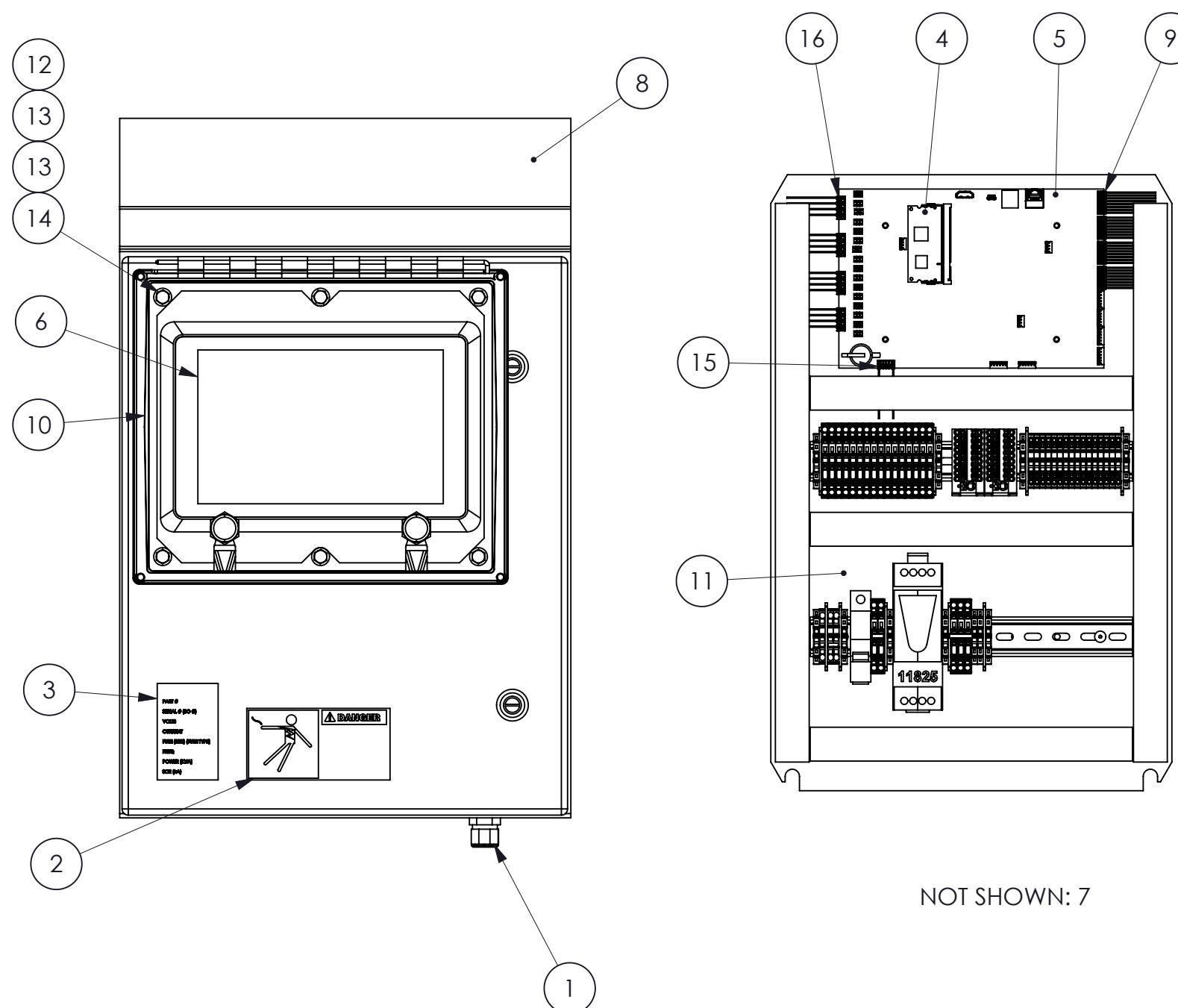
Approved By: mironeg 02/27/2025

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EQUIPMENT GROUP

JBT CONTROLLER EFFICIENCY  
MGMT SYS

Size	Part Number	Rev.
A	SN4391	A
SHEET 1 OF 1		

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ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
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, SLTOP, 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

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B - martist 07/18/2024 updated BOM

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THIRD ANGLE PROJECTION

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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

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(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 07/01/2024

Detailed By:

martist 07/01/2024

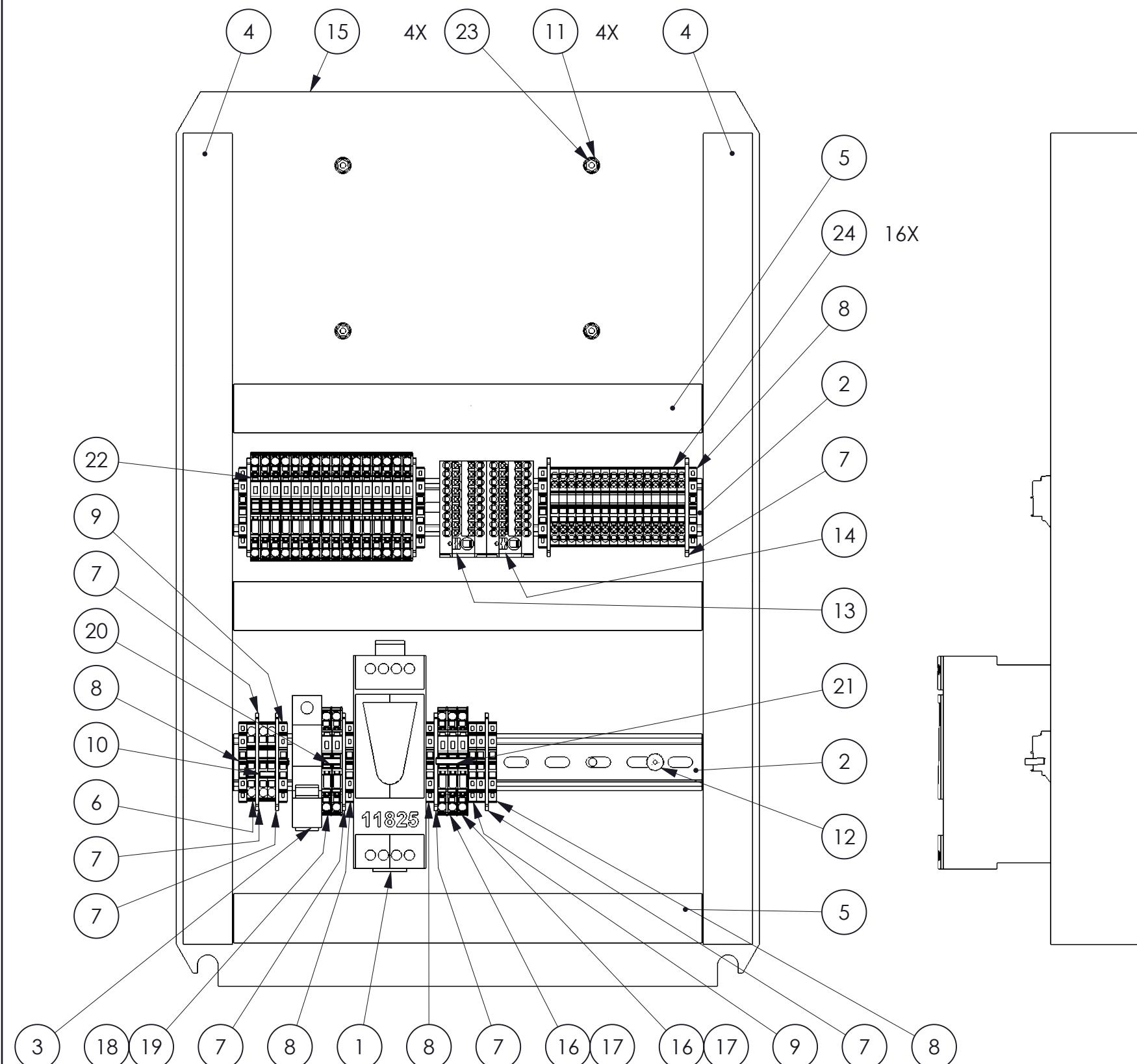
Approved By:

mironeg 07/02/2024

**PRIME**  
EQUIPMENT GROUP

COUNTER SYSTEM

Size Part Number Rev.  
**B** **MSCNTR-10001** **B**  
SHEET 1 OF 1



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	LENGTH
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	

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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

**PRIME**  
EQUIPMENT GROUP

MARS/JBT CNTRL PANEL ASM,  
BASIC

Size Part Number

**B** EA120-100001

Rev. I

SHEET 1 OF 1