
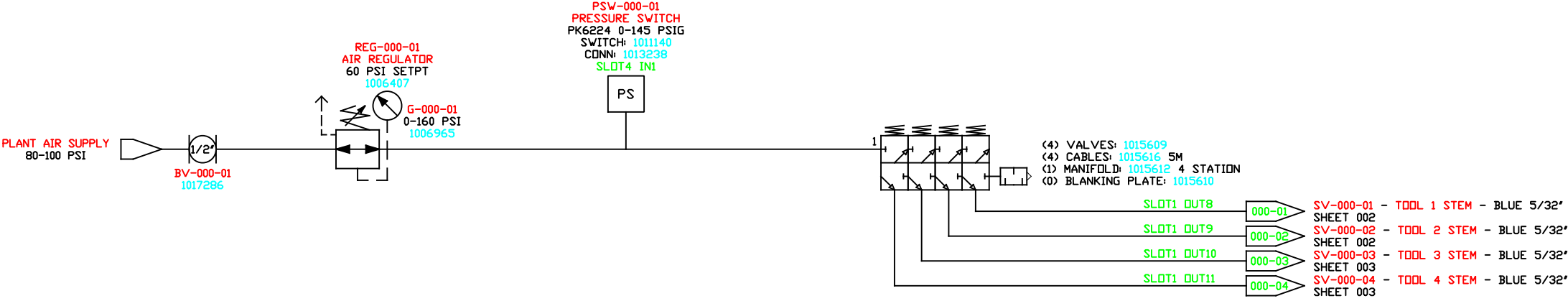


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Customer:	Rheem Laredo
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002	Refrigerant Chatge Tooling
003	Refrigerant Chatge Tooling
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011	Blank
012	Blank
013	Base High Voltage Enclosure 120 VAC Power Distribution
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REV	DESCRIPTION	DATE	APP'D	<p>This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.</p>	 <div>SERV-I-QUIP, INC.</div> <div>RHEEM MEXICO DATAFILL RRV-2490 REFRIGERANT CHARGER</div>				
0	MECHANICAL DRAWINGS	6/23/2022	MGC						
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK						
2	CORRECTIONS FOR SHOP	8/10/2022	JK						
					JOB#: 020439-1-1				
					DRAWN BY JK	DATE	SIZE	DRAWING NO.	SHEET
					APP'D BY JKS	6/23/2022		1019579	TDC



AIR DISTRIBUTION

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.
0	MECHANICAL DRAWINGS	6/23/2022	MGC	
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK	
2	CORRECTIONS FOR SHOP	8/10/2022	JK	
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DRAWN BY JK		DATE		
APP'D BY JKS		6/23/2022		

MACHINE SERIAL NUMBER: 1019579

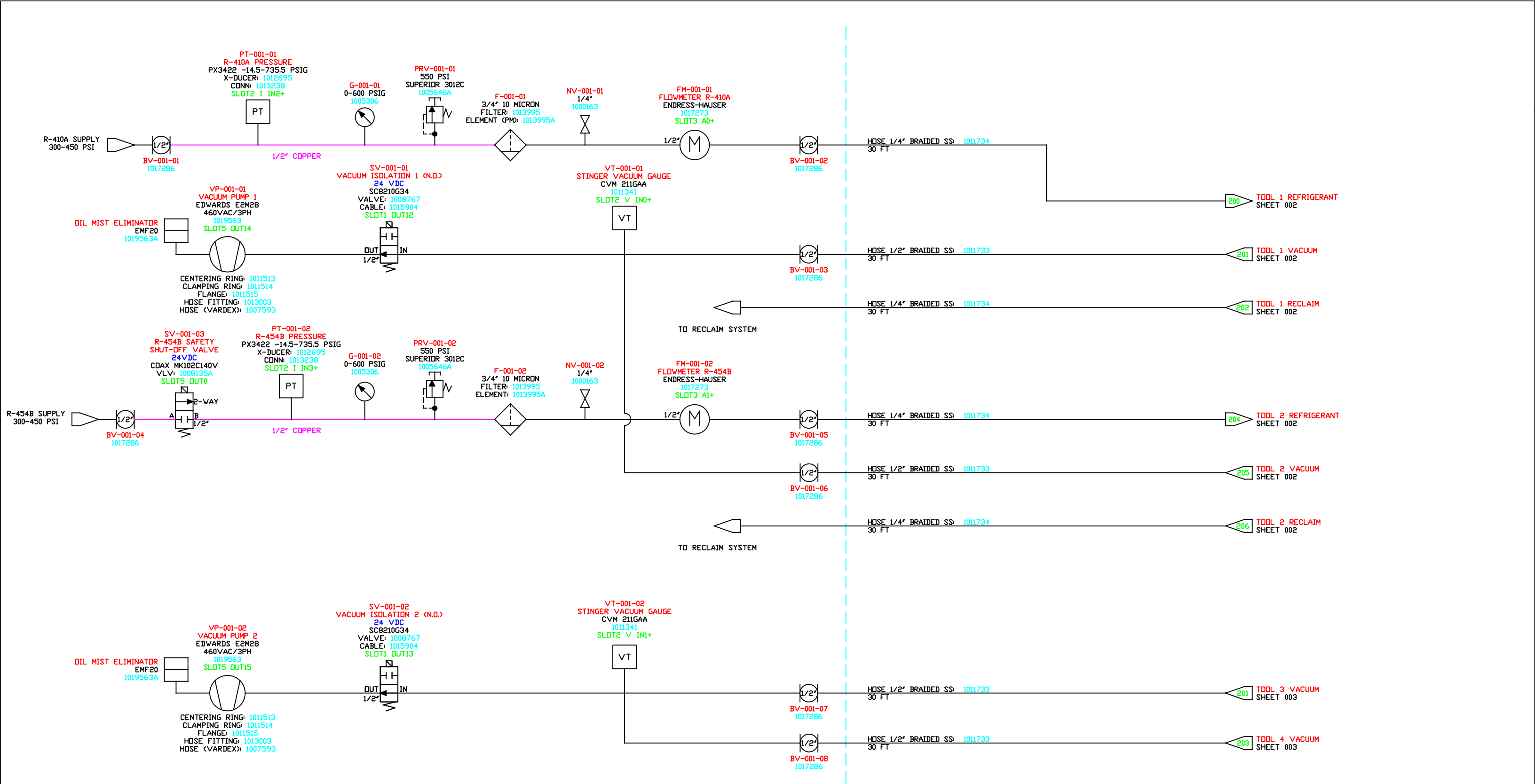
SERV-I-QUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

JOB#: 020439-1-1

EPICOR: 020439-1-1

SIZE	DRAWING NO.	SHEET
	1019579	000



REFRIGERANT CHARGE STATION MECHANICAL

REV	DESCRIPTION	DATE	APP'D
0	MECHANICAL DRAWINGS	6/23/2022	MGC
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK
2	CORRECTIONS FOR SHOP	8/10/2022	JK

JOB#: 020439-1-1

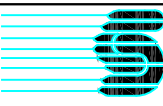
DRAWN BY JK

DATE 6/23/2022

APP'D BY JKS

This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.

MACHINE SERIAL NUMBER: 1019579



SERV-I-QUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

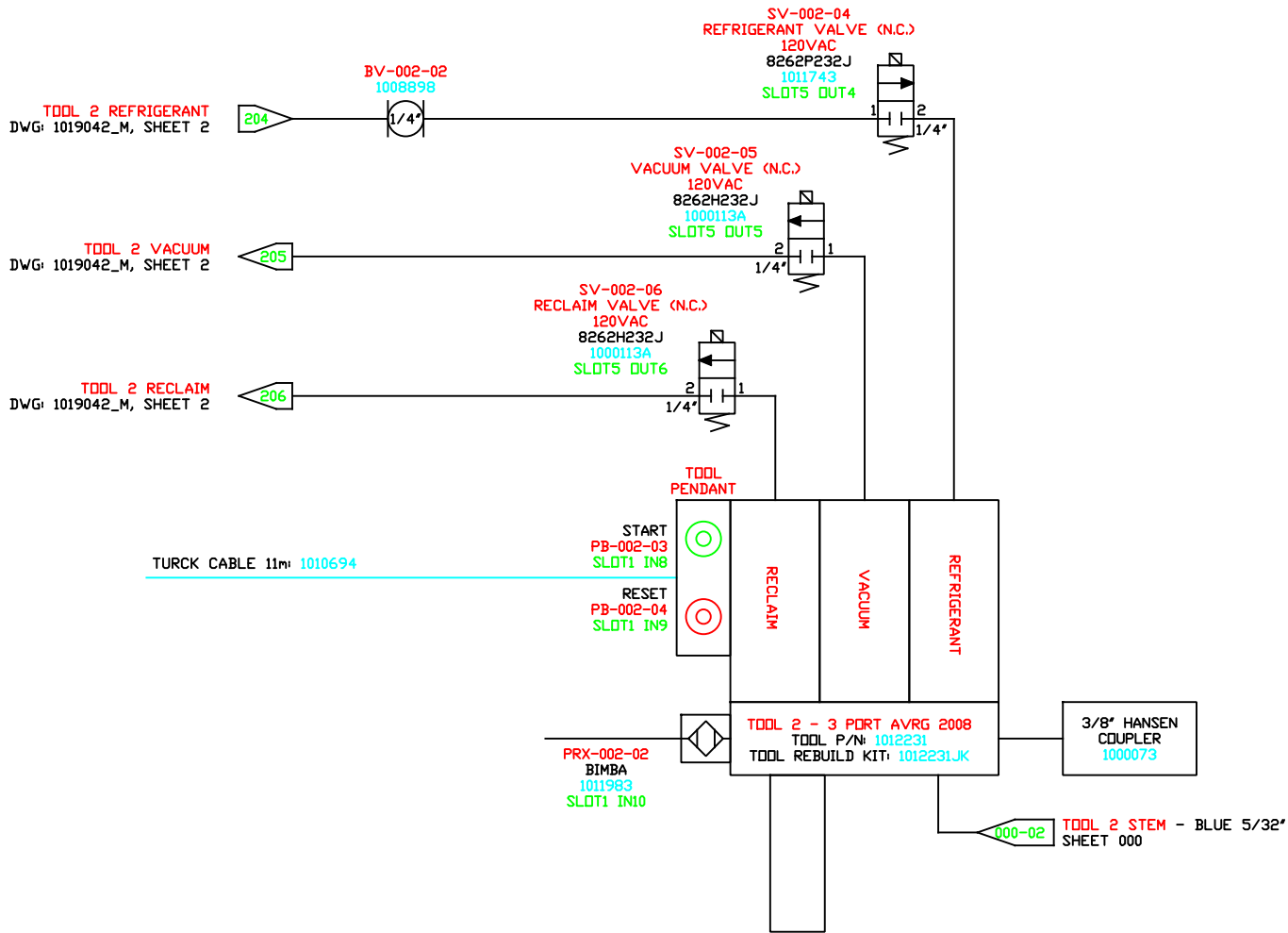
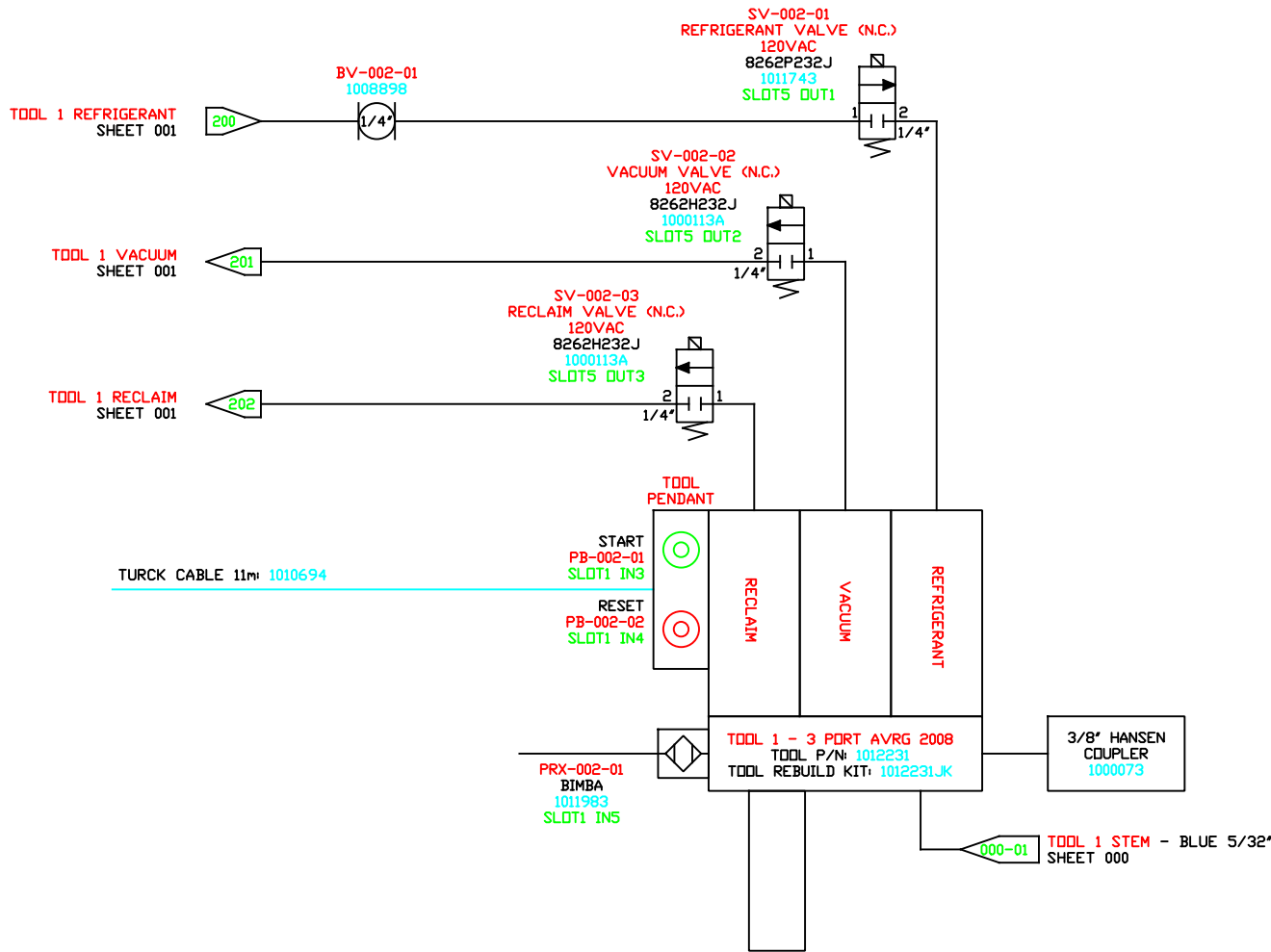
SIZE

DRAWING NO.  
1019579

SHEET  
001

TOOL 1  
3 PORT AVRG 2008  
Circuit 1

TOOL 2  
3 PORT AVRG 2008  
Circuit 2



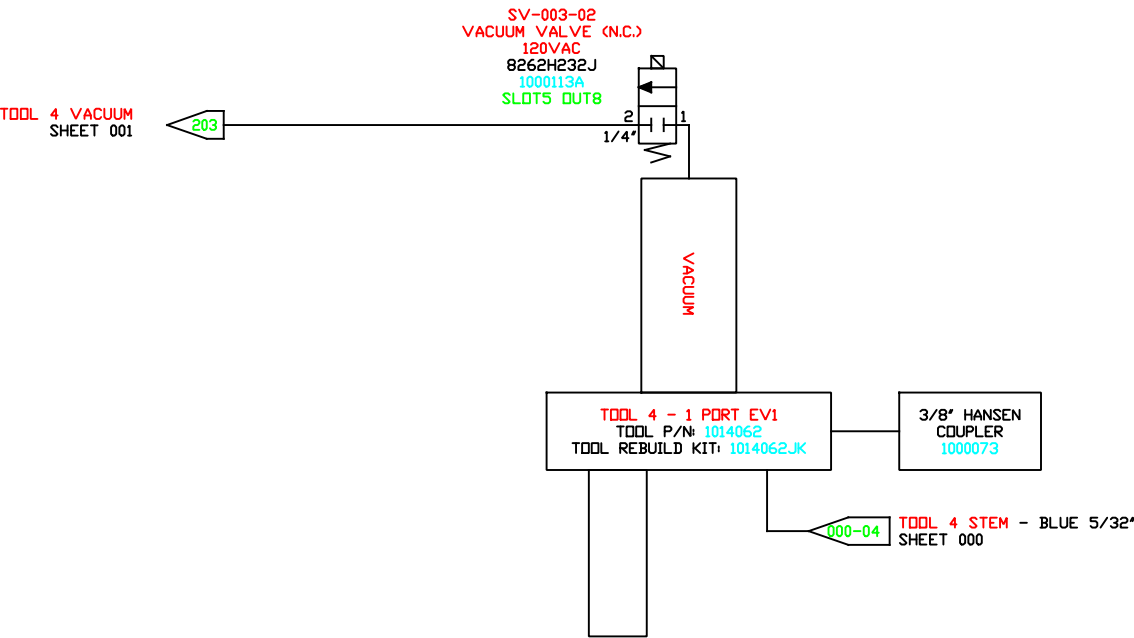
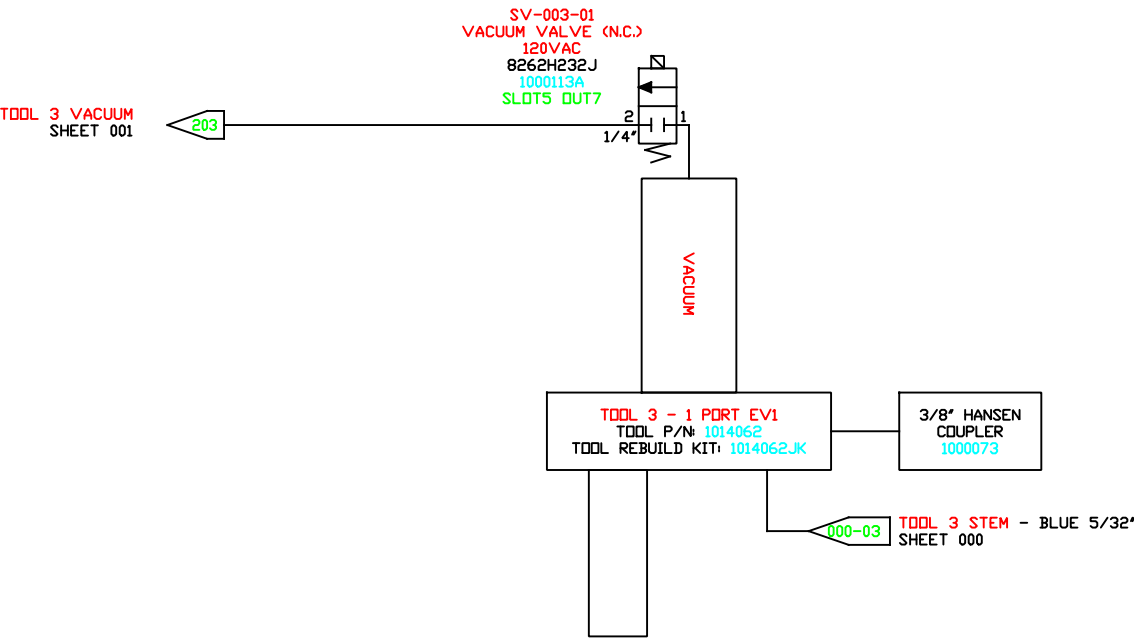
REFRIGERANT CHARGE TOOLING

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.
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2	CORRECTIONS FOR SHOP	8/10/2022	JK	
JOB#: 020439-1-1				
DRAWN BY JK			DATE	6/23/2022
APP'D BY JKS				

MACHINE SERIAL NUMBER: 1019579			
SERV-I-QUIP, INC.			
RHEEM MEXICO			
DATAFILL RRV-2490 REFRIGERANT CHARGER			
EPICOR: 020439-1-1			
SIZE	DRAWING NO.	SHEET	
	1019579	002	

TOOL 3  
1 PORT EV1  
Circuit 1


TOOL 4  
1 PORT EV1  
Circuit 2



REFRIGERANT CHARGE TOOLING

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2	CORRECTIONS FOR SHOP	8/10/2022	JK	
				JOB#: 020439-1-1
				DRAWN BY JK DATE
				APP'D BY JKS 6/23/2022

MACHINE SERIAL NUMBER: 1019579

SERV-I-QUIP, INC.

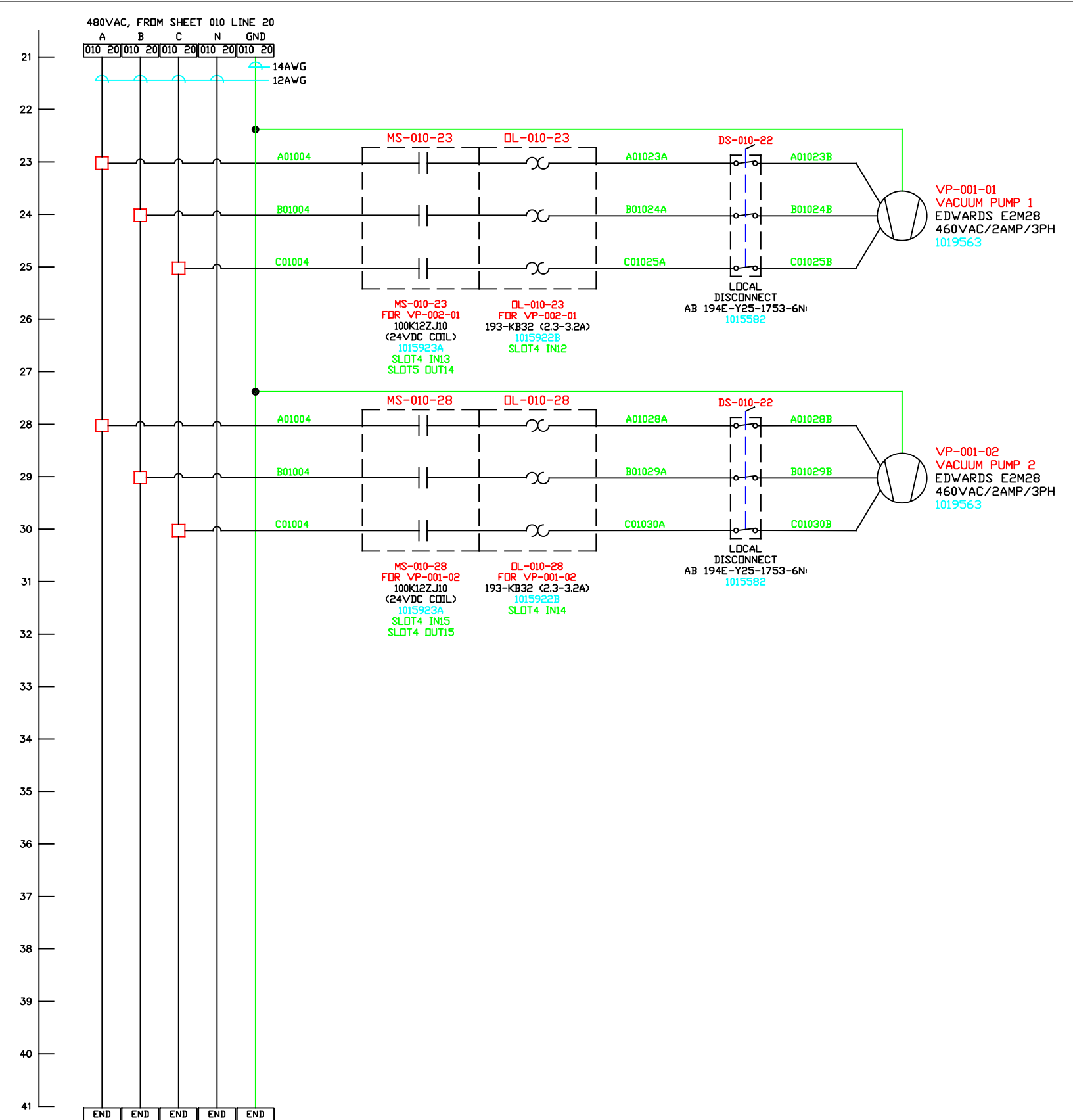
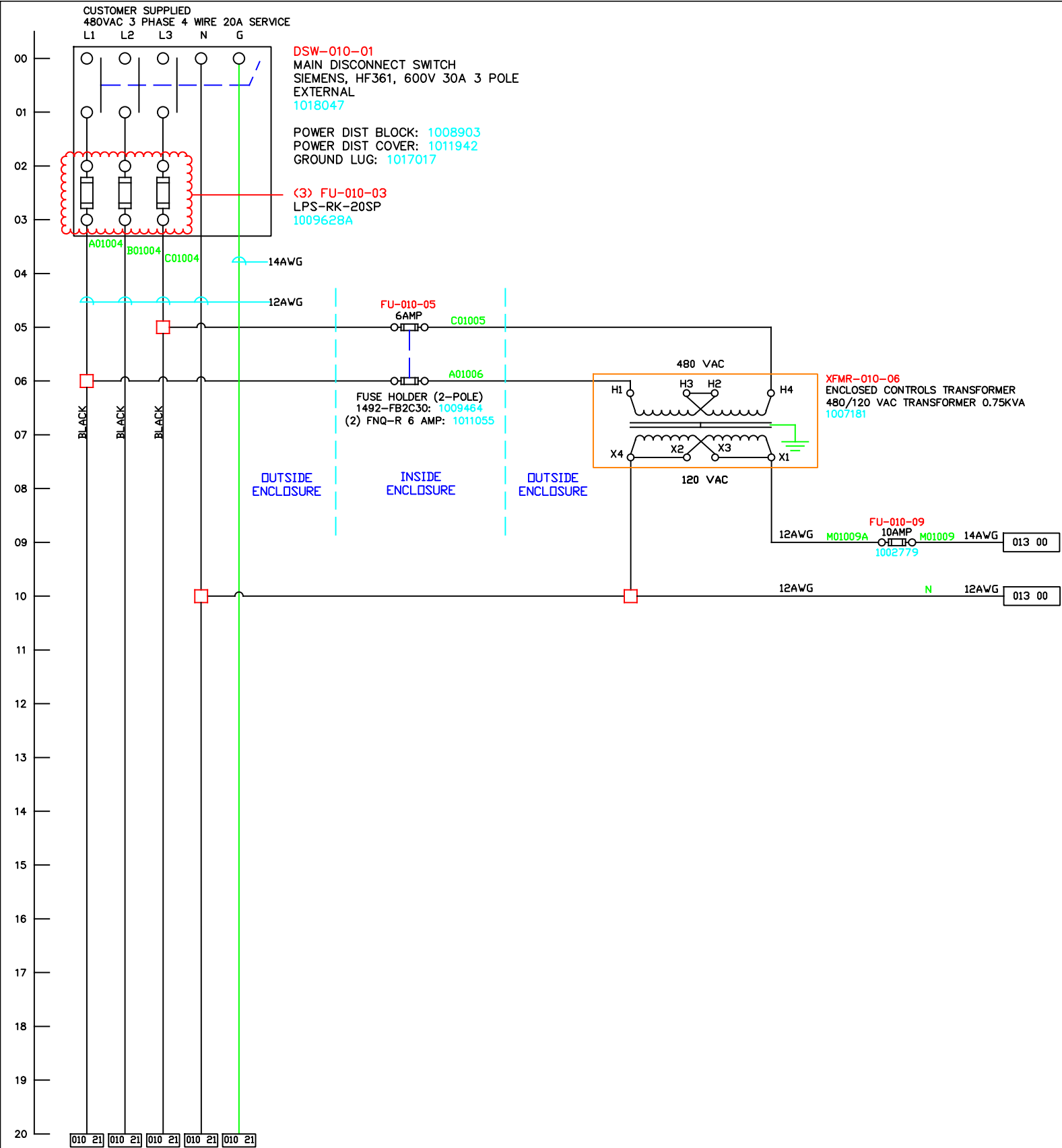
RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE

DRAWING NO.  
1019579

SHEET  
003



BASE HIGH VOLTAGE ENCLOSURE 480VAC POWER DISTRIBUTION

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.			
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				SIZE	DRAWING NO.	EPICOR: 020439-1-1	SHEET
					1019579		010

MACHINE SERIAL NUMBER: 1019579

**SERV-I-QUIP, INC.**

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER


SHEET INTENTIONALLY LEFT BLANK

REV	DESCRIPTION	DATE	APP'D	<div>This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.</div>
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1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK	
2	CORRECTIONS FOR SHOP	8/10/2022	JK	

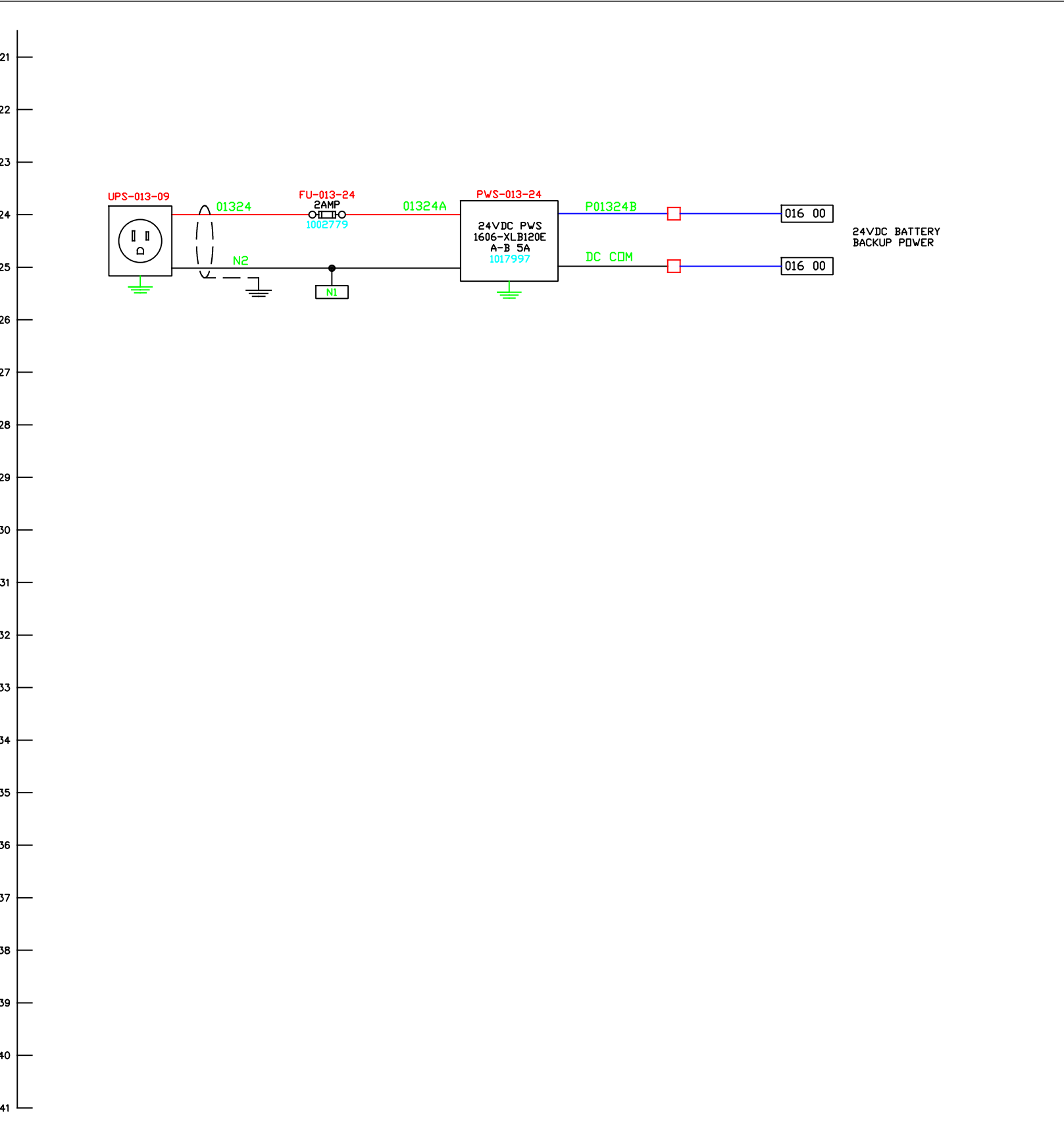
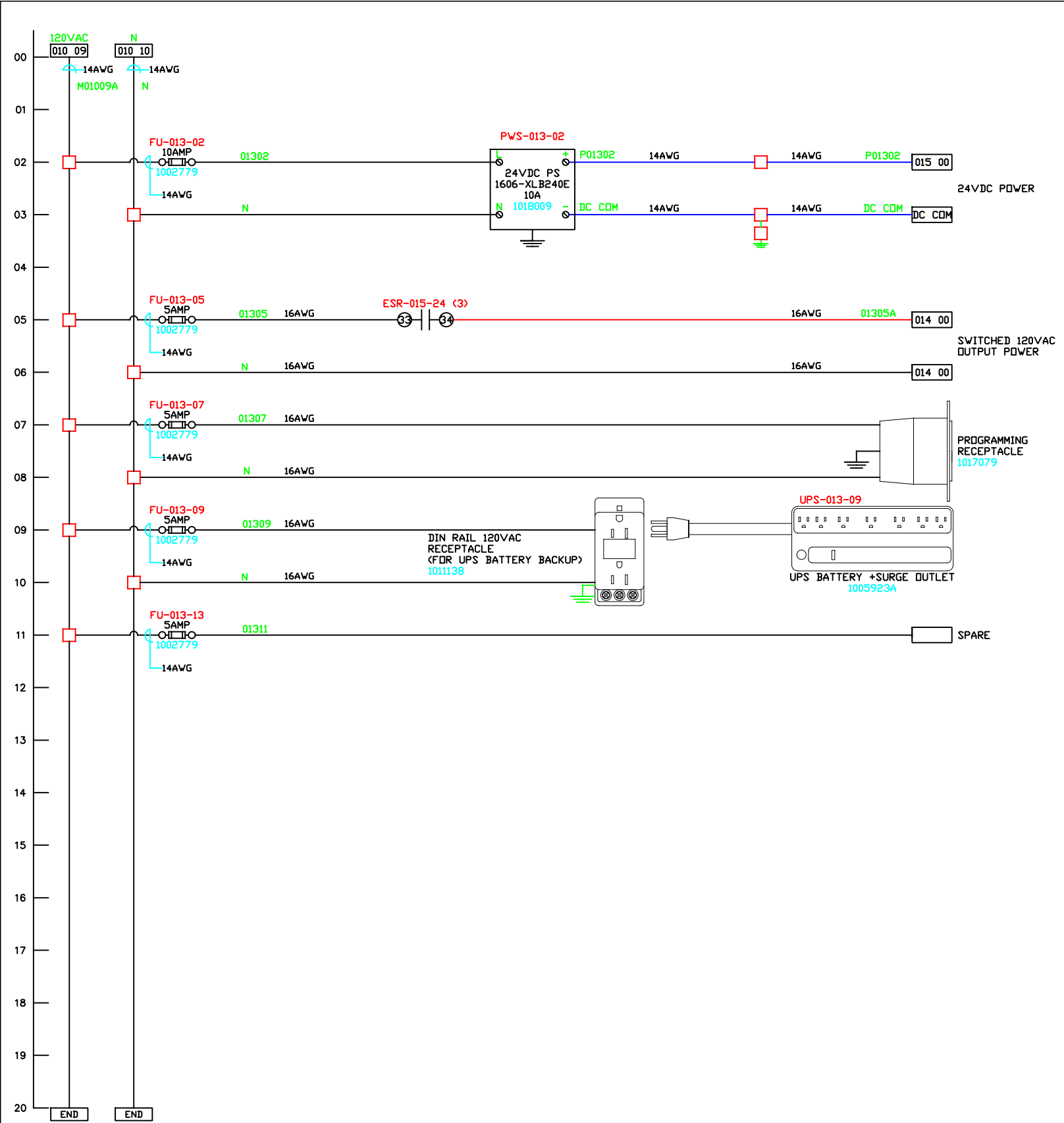
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DRAWN BY	JK
DATE	6/23/2022
APP'D BY	JKS

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<div><div></div><div>SERV-I-QUIP, INC.</div><div>RHEEM MEXICO</div><div>DATAFILL RRV-2490 REFRIGERANT CHARGER</div></div>		
EPICOR: 020439-1-1		
SIZE	DRAWING NO.	SHEET
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
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				DRAWN BY JK	DATE	SIZE	DRAWING NO.	SHEET
				APP'D BY JKS	6/23/2022		1019579	012



# BASE HIGH VOLTAGE ENCLOSURE 240/120VAC POWER DISTRIBUTION



# BASE HIGH VOLTAGE ENCLOSURE 120VAC POWER DISTRIBUTION

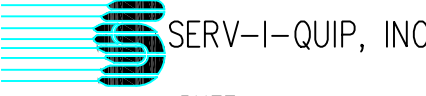
PANEL TO PANEL WIRING

LV TB  HV TB 

HV TB  LV TB 


REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.			
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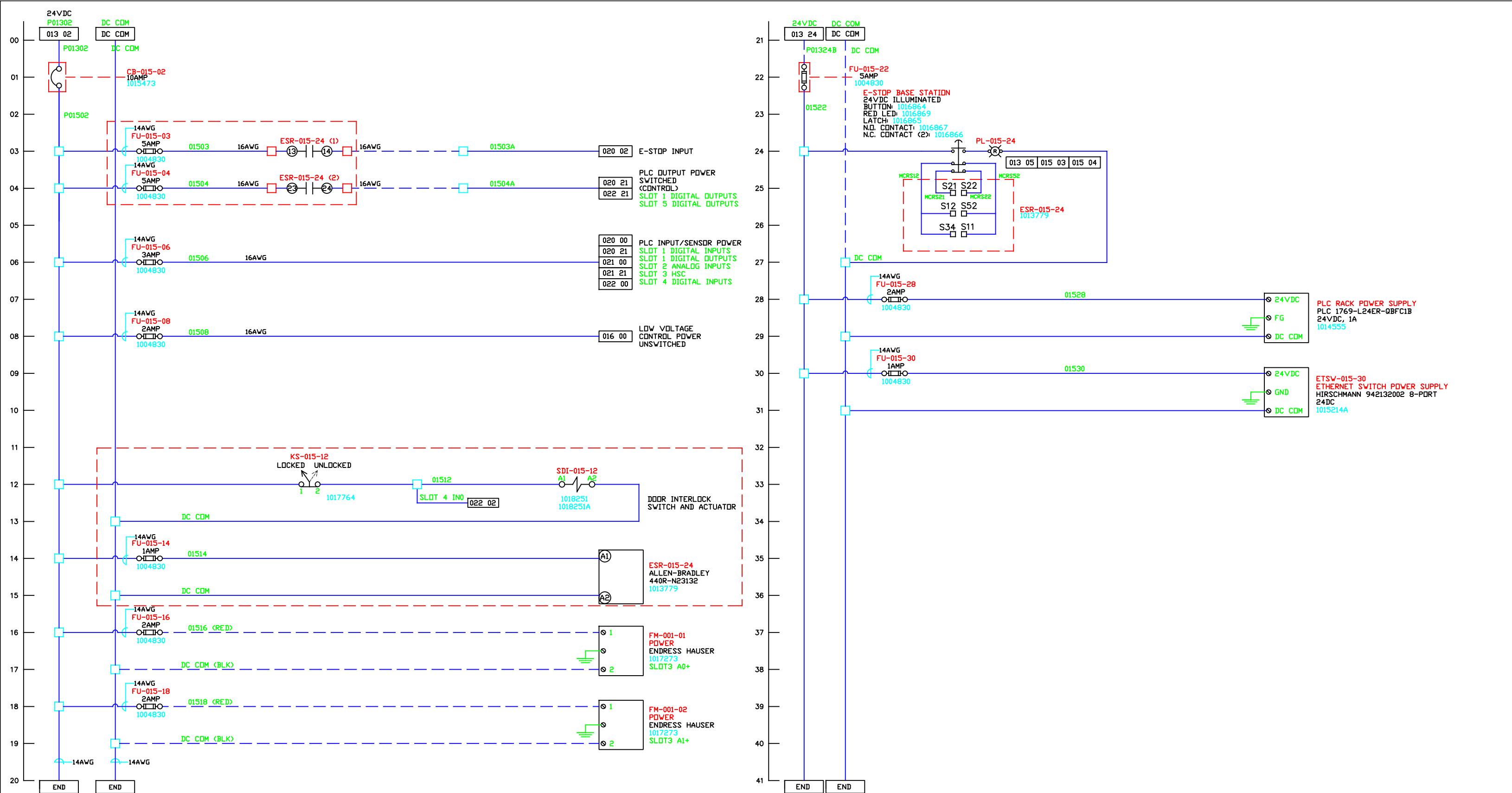
MACHINE SERIAL NUMBER: 1019579



RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER



MACHINE SERIAL NUMBER: 1019579		
 SERV-I-QUIP, INC. RHEEM MEXICO DATAFILL RRV-2490 REFRIGERANT CHARGER		
EPICOR: 020439-1-1		
SHEET	DRAWING NO.	1019579
		014




HIGH VOLTAGE ENCLOSURE

LOW VOLTAGE POWER DISTRIBUTION  
ALL COMPONENTS IN LOW VOLTAGE ENCLOSURE

PANEL TO PANEL WIRING  
LV TB HV TB  
HV TB LV TB

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.			
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MACHINE SERIAL NUMBER: 1019579

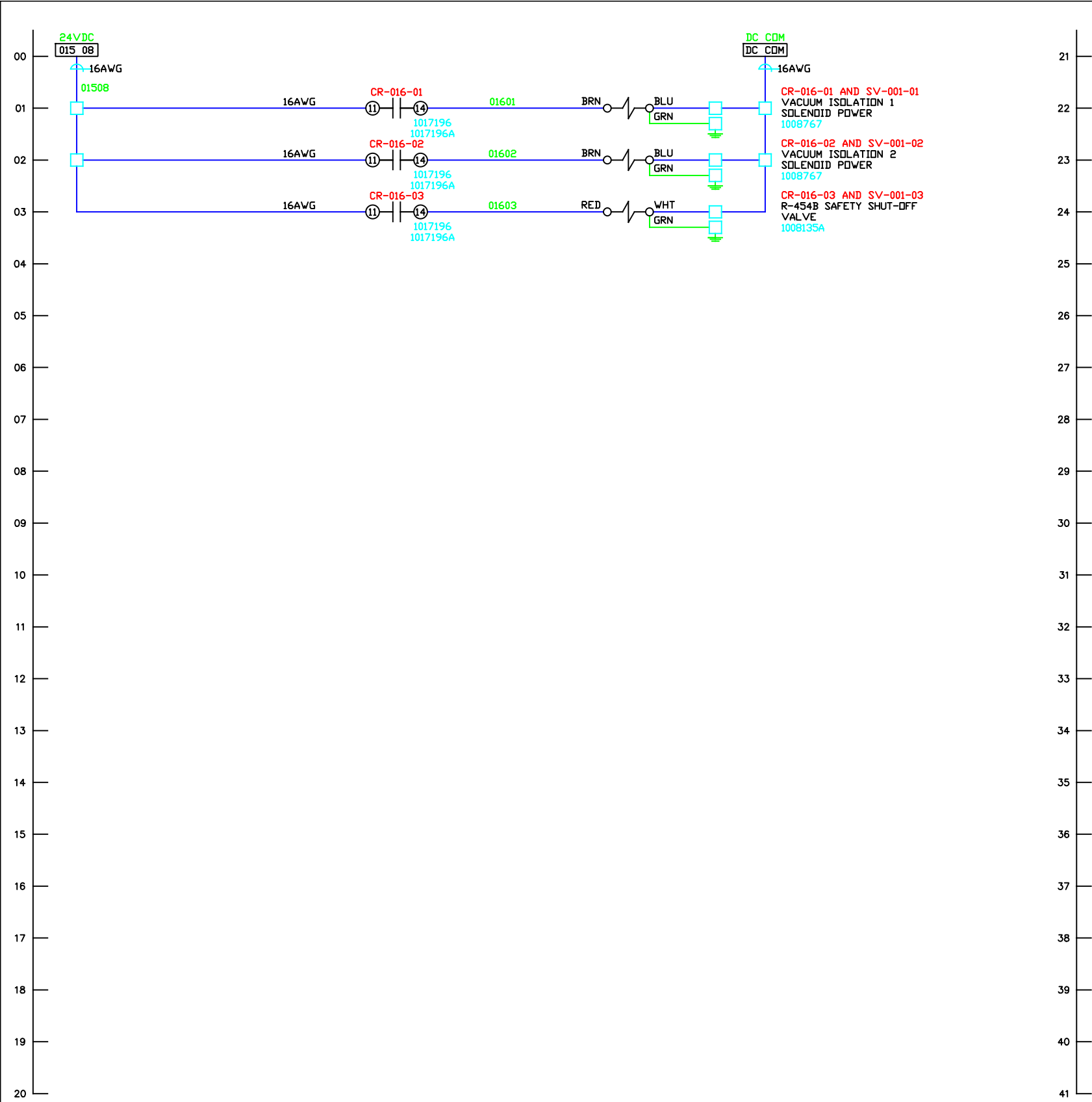


SERV-I-QUIP, INC.


RHEEM MEXICO

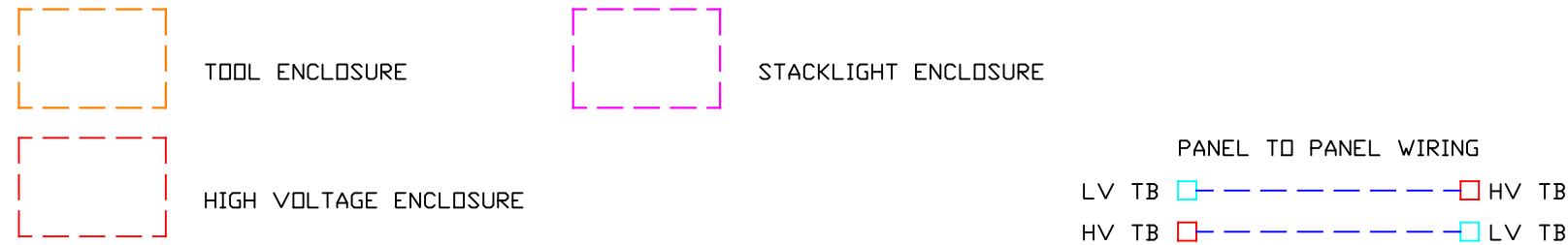
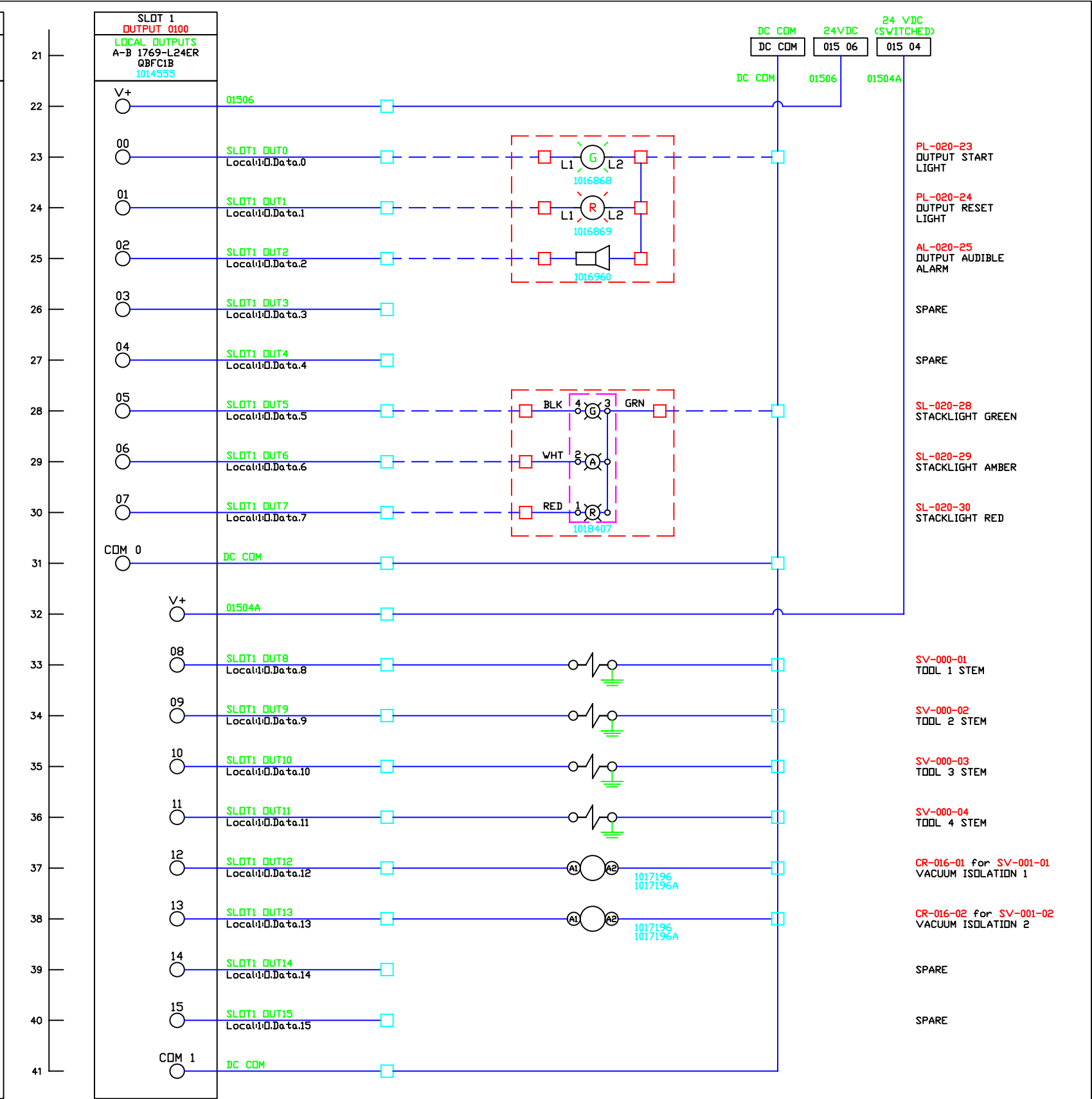
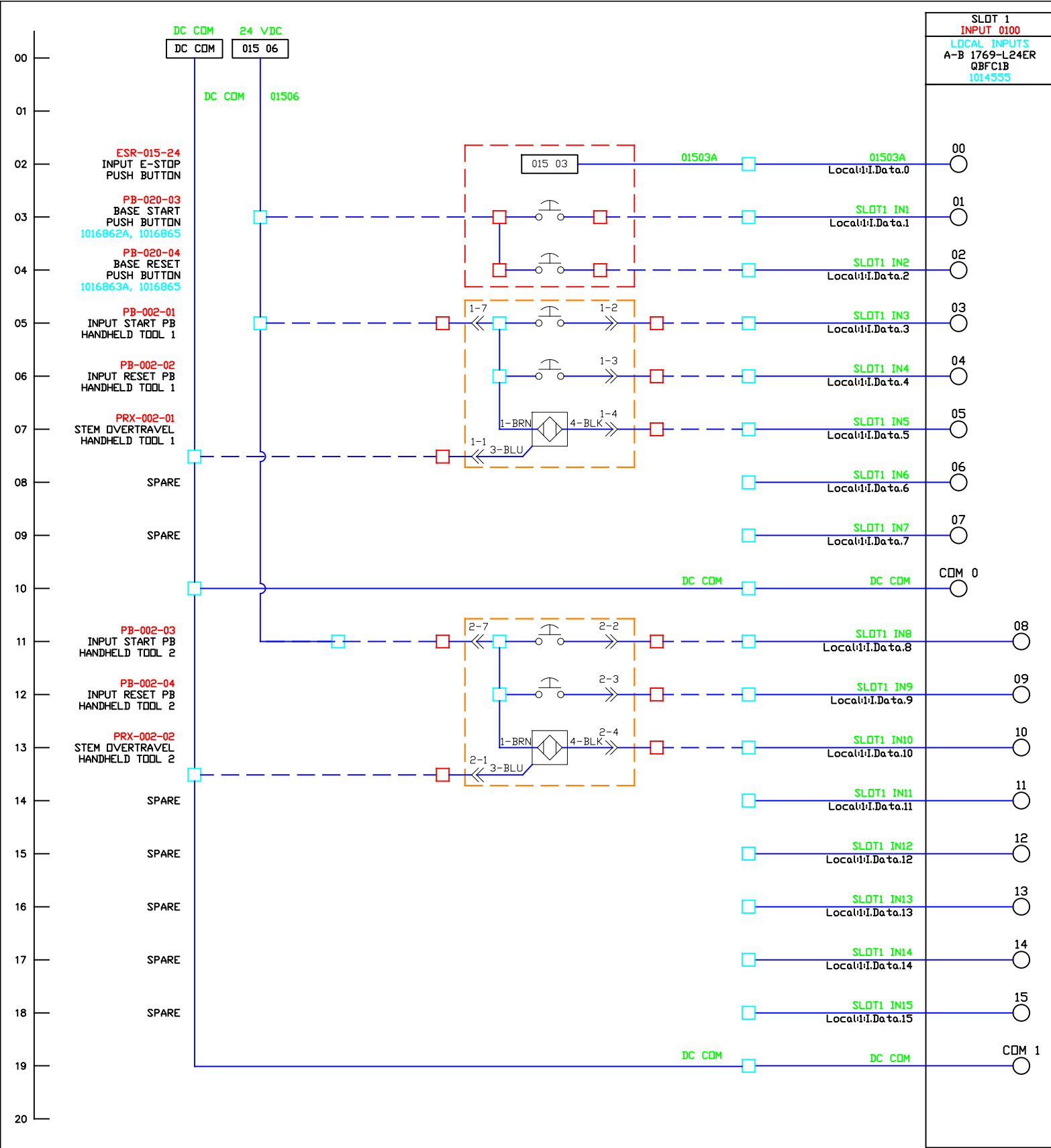
DATAFILL RRV-2490 REFRIGERANT CHARGER

EPICOR: 020439-1-1



LOW VOLTAGE CONTROL WIRING  
ALL COMPONENTS IN LOW VOLTAGE ENCLOSURE

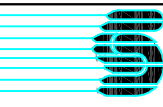
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0	MECHANICAL DRAWINGS	6/23/2022	MGC		RHEEM MEXICO			
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK		DATAFILL RRV-2490 REFRIGERANT CHARGER			
2	CORRECTIONS FOR SHOP	8/10/2022	JK		EPICOR: 020439-1-1			
JOB#: 020439-1-1								
DRAWN BY		JK	DATE	SIZE	DRAWING NO.		SHEET	
APP'D BY		JKS	6/23/2022		1019579		016	



CONTROL DRAWINGS: SLOT 1 INPUTS, SLOT 1 OUTPUTS

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.
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2	CORRECTIONS FOR SHOP	8/10/2022	JK	
JOB#: 020439-1-1				
DRAWN BY JK			DATE	
APP'D BY JKS			6/23/2022	

MACHINE SERIAL NUMBER: 1019579

SERV-I-QUIP, INC.

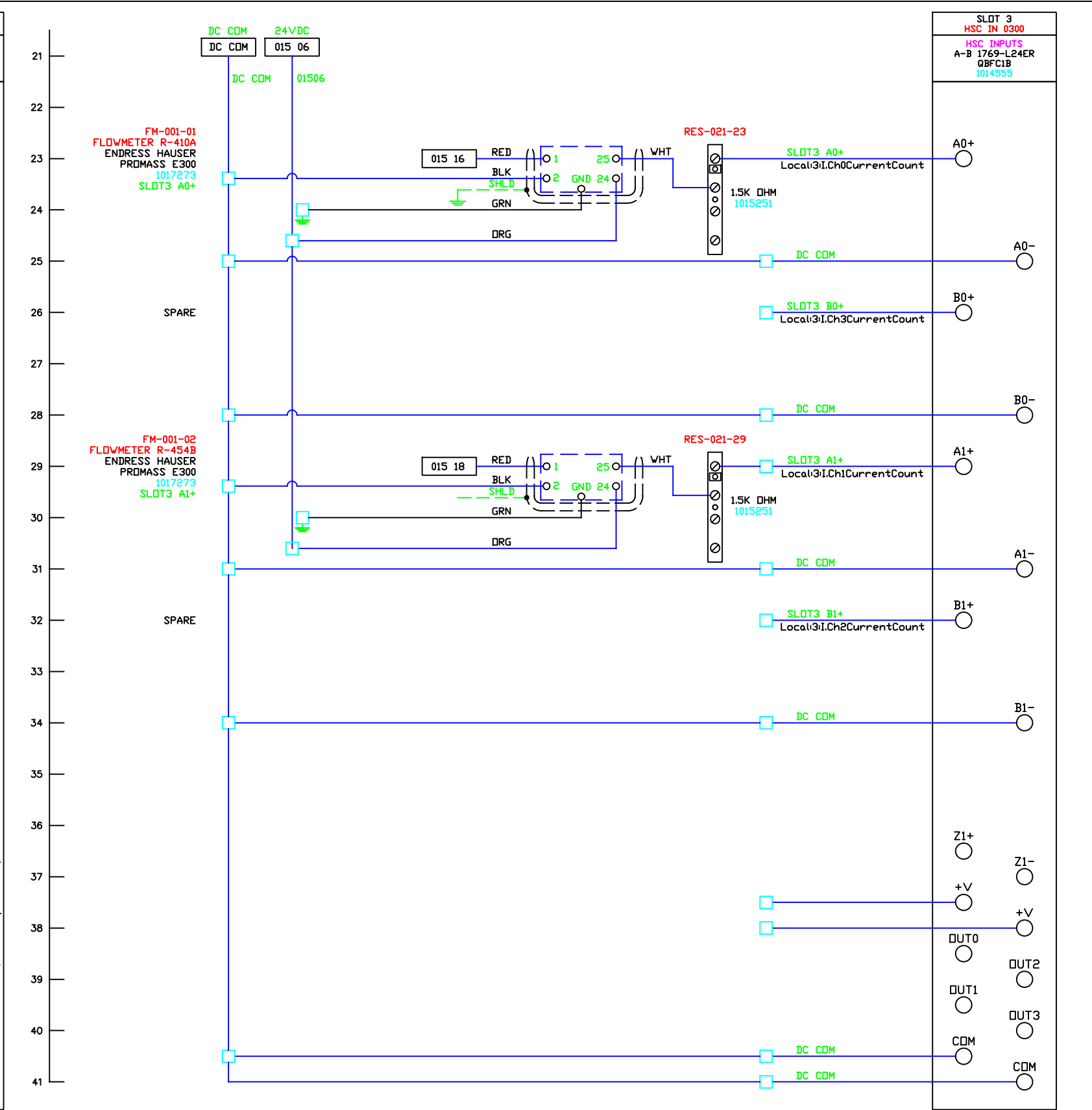
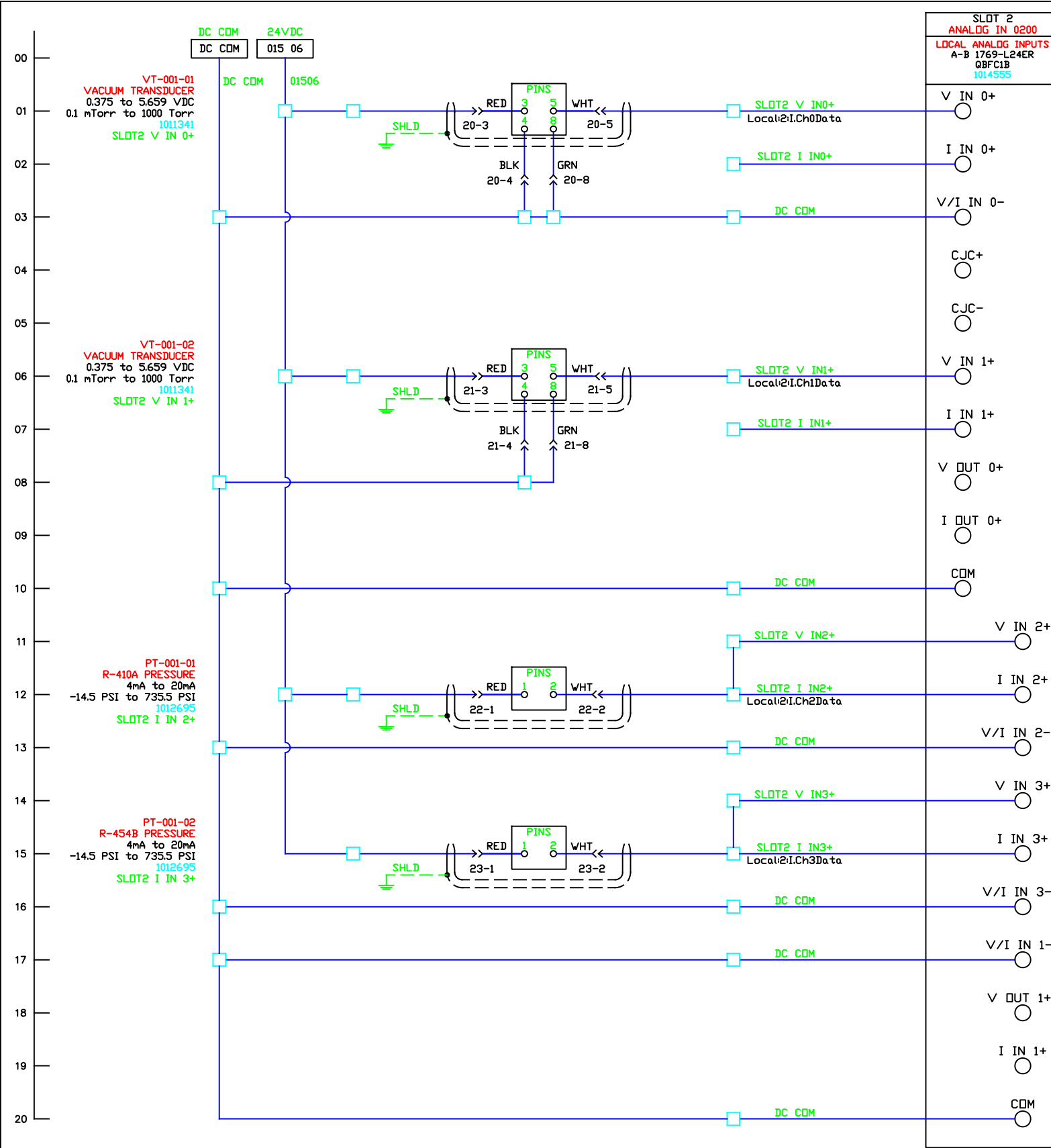
RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE

DRAWING NO.  
1019579

SHEET  
020



PANEL TO PANEL WIRING

LV TB  HV TB

HV TB  LV TB

CONTROL DRAWINGS: SLOT 2 ANALOG, SLOT 3 HSC

REV	DESCRIPTION	DATE	APP'D
0	MECHANICAL DRAWINGS	6/23/2022	MGC
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK
2	CORRECTIONS FOR SHOP	8/10/2022	JK

JOB#: 020439-1-1

DRAWN BY JK DATE 6/23/2022

APP'D BY JKS


SIZE

DRAWING NO. 1019579

SHEET 021

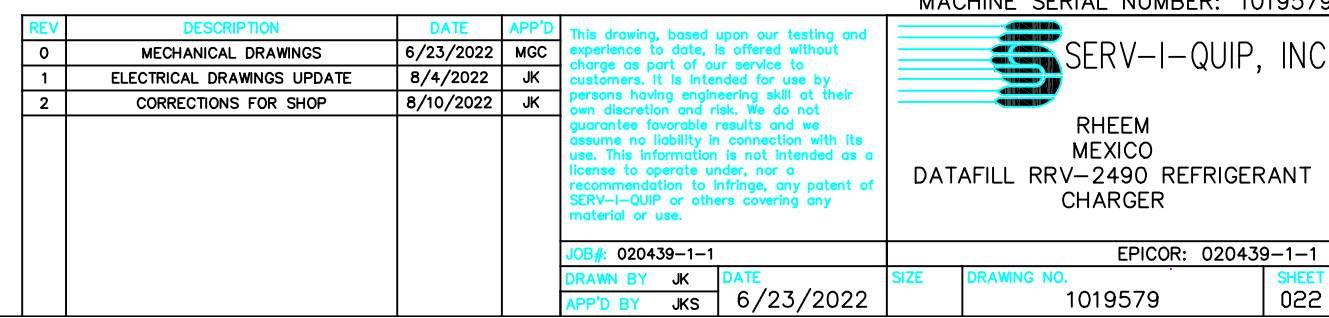
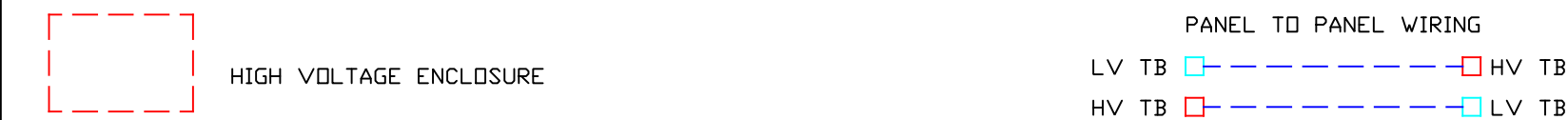
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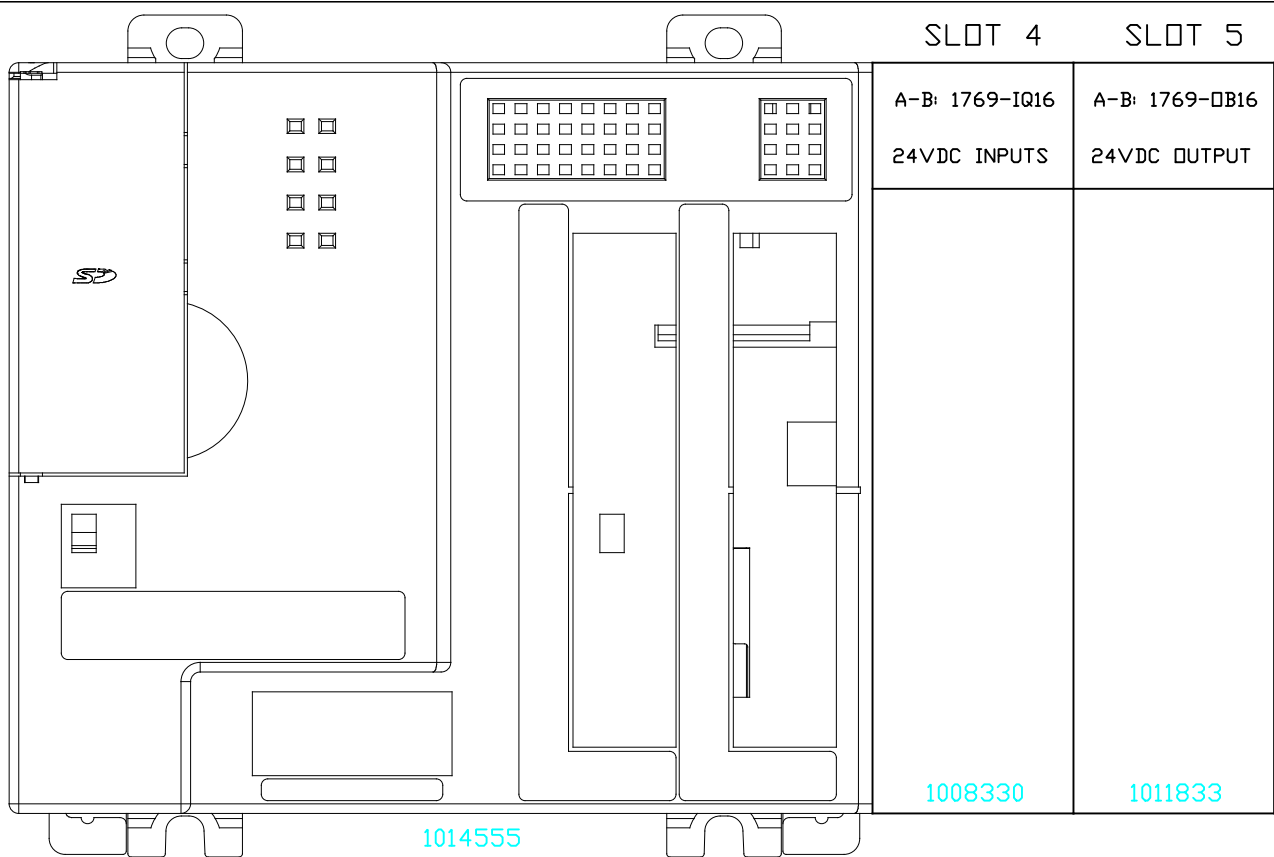
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 SERV-I-QUIP, INC.

RHEEM MEXICO

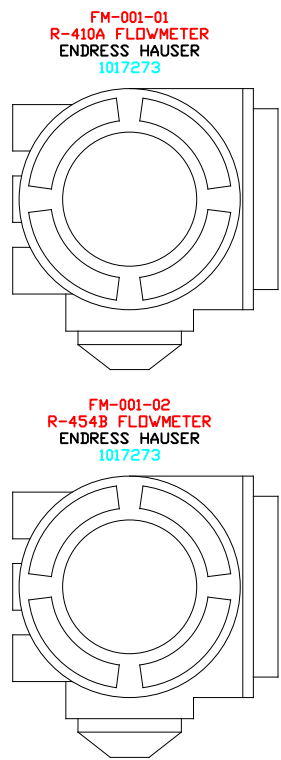
DATAFILL RRV-2490 REFRIGERANT CHARGER





MAC: XX:XX:XX:XX:XX:XX  
IP: XX.XX.XX.XX  
SUBNET: XX.XX.XX.XX  
GATEWAY: XX.XX.XX.XX

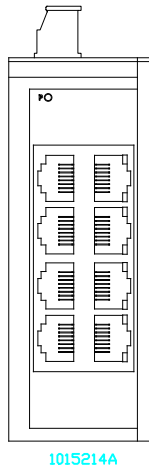
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ETH 2 - 1017849

ETH 3 - 1017849

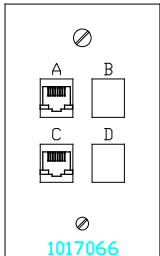
THROUGH HOLE  
IN CABINET



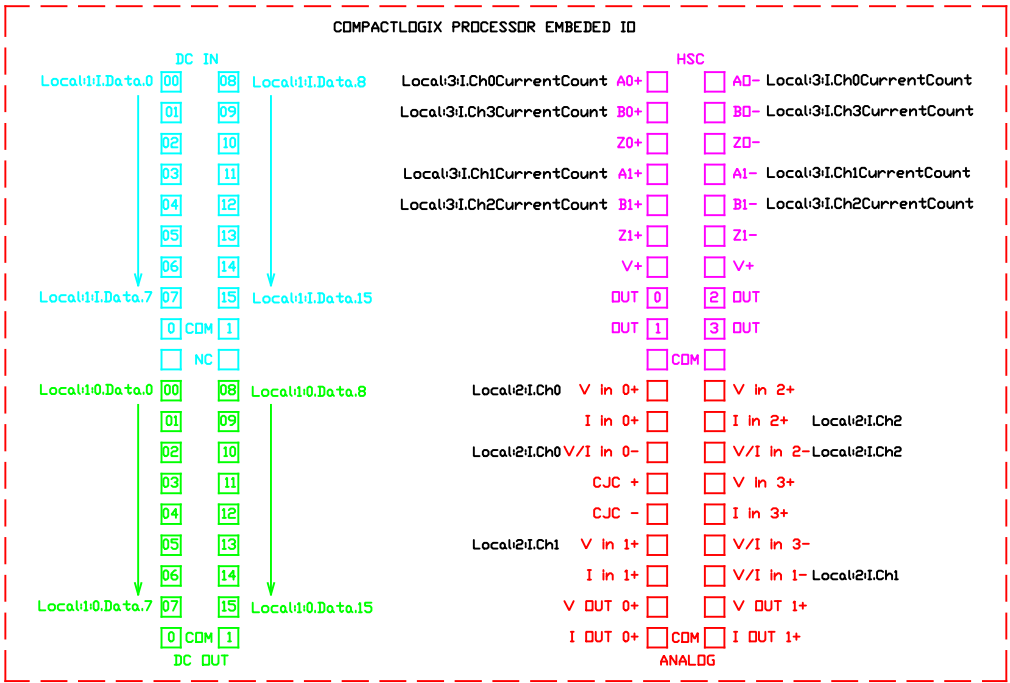
ETH 5 - 1005856

ETH 6 - 1005856

ETH 7 - 1005856



A: 1017069  
B: 1017069  
C: 1017070  
D: 1017070



## COMMUNICATION OVERVIEW

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.
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JOB#: 020439-1-1				
DRAWN BY JK			DATE	6/23/2022
APP'D BY JKS				

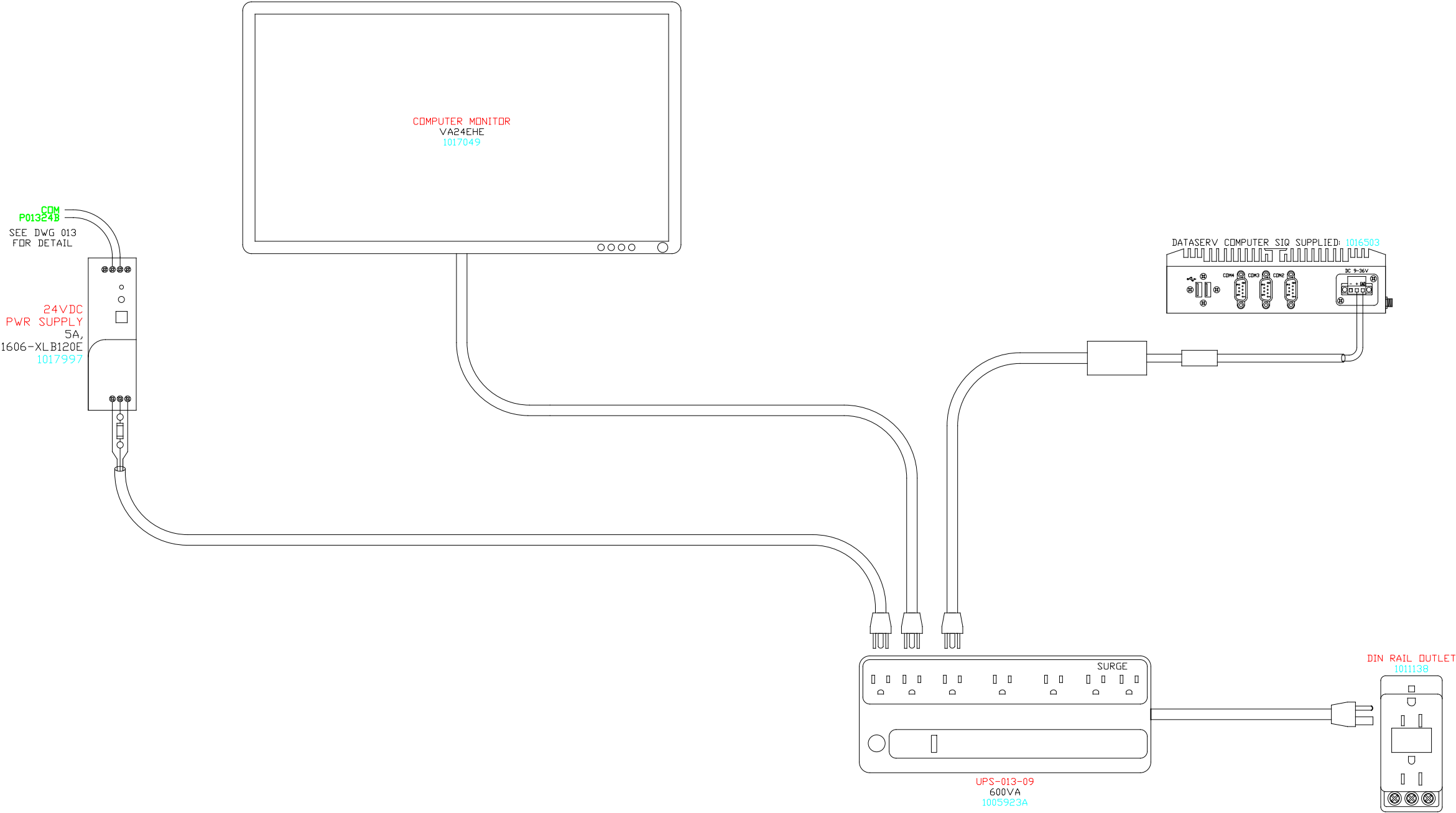
MACHINE SERIAL NUMBER: 1019579



RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

SIZE	DRAWING NO.	SHEET
	1019579	R000


UPS CONNECTIONS



UPS POWER DISTRIBUTION

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2	CORRECTIONS FOR SHOP	8/10/2022	JK	
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				DRAWN BY JK DATE
				APP'D BY JKS 6/23/2022

MACHINE SERIAL NUMBER: 1019579

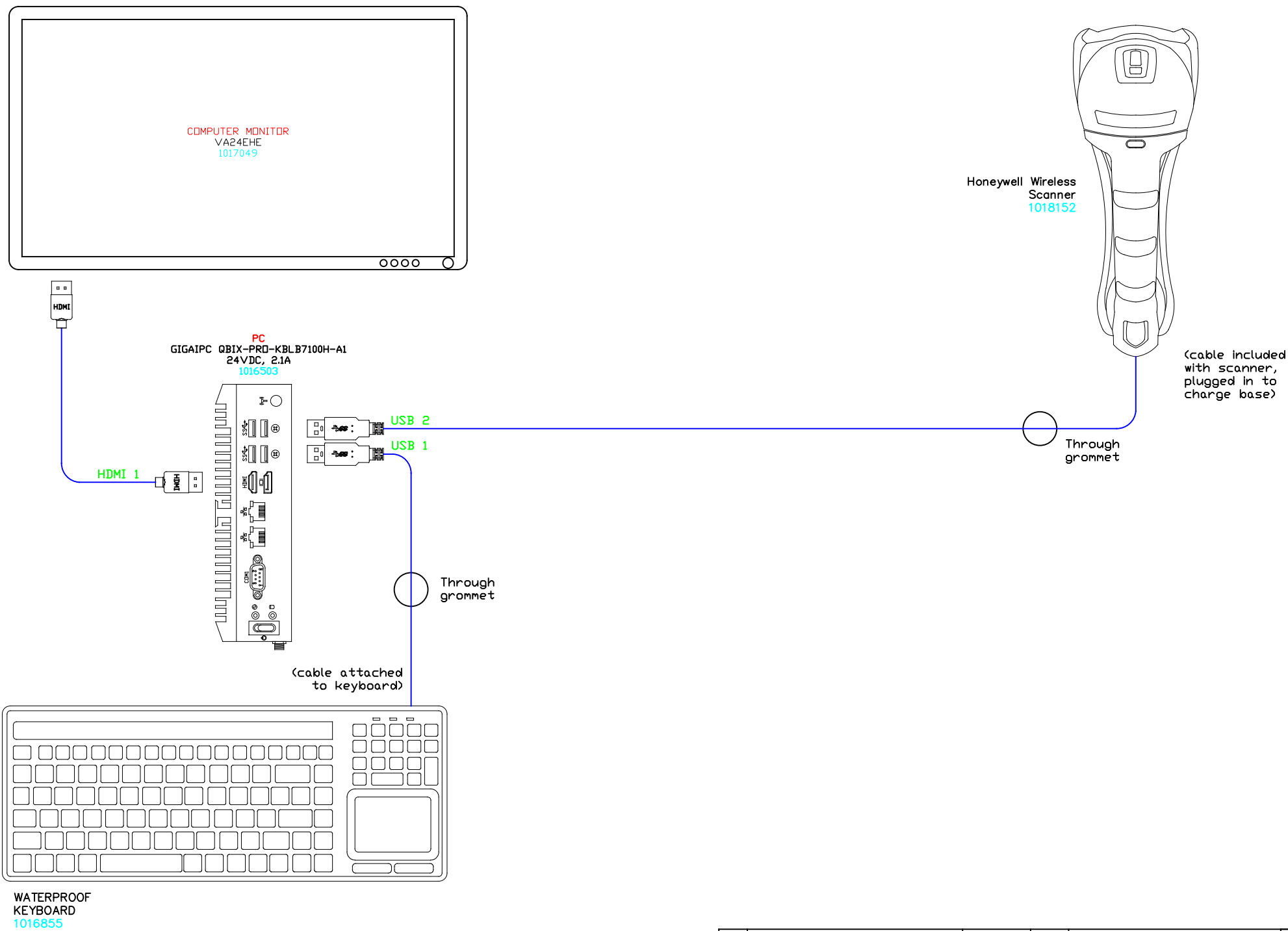
SERV-I-QUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE	DRAWING NO. 1019579	SHEET R001
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ADDITIONAL CABLE CONNECTIONS



ADDITIONAL CABLE CONNECTIONS

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.
0	MECHANICAL DRAWINGS	6/23/2022	MGC	
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK	
JOB#: 020439-1-1				DRAWN BY JK DATE 6/23/2022
APP'D BY XXX				

MACHINE SERIAL NUMBER: 1019579

SERV-I-QUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE

DRAWING NO.  
1019579

SHEET  
R002

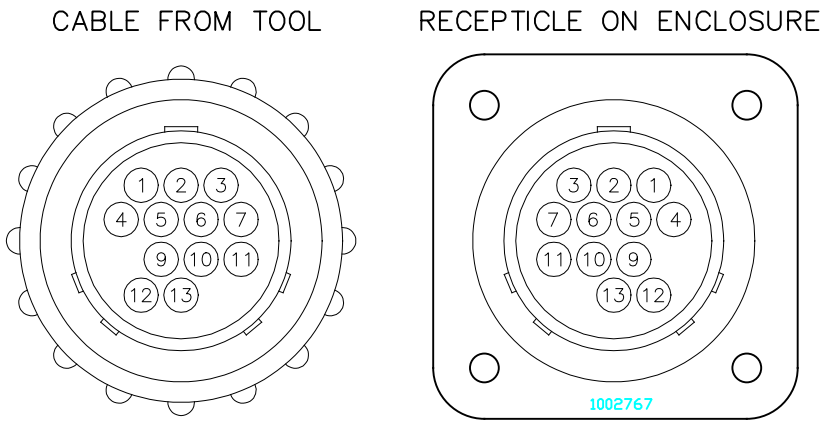
PLUG 1 PINOUT

TOOL 1  
3 PORT AVRG 2008  
w/ PENDANT

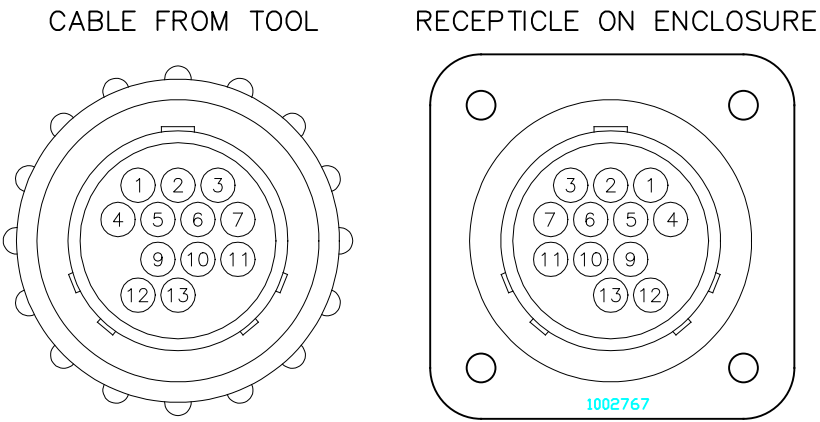
PLUG 2 PINOUT

TOOL 2  
3 PORT AVRG 2008  
w/ PENDANT

PLUG 1 PINOUT



PLUG 2 PINOUT



TOOL WIRING TO PLUG

PIN #	DESCRIPTION	CABLE #	WIRE #
1	24 VDC -	11	DC COM
2	START INPUT	8	SLOT1 IN3
3	RESET INPUT	7	SLOT1 IN4
4	STEM SENSOR INPUT	9	SLOT1 IN5
5	RECLAIM OUTPUT	3	01403A
6	RECLAIM NEUTRAL	6	N
7	24 VDC +	10	01506
8	(BLANK)	(BLANK)	(BLANK)
9	REFRIGERANT OUTPUT	1	01401A
10	REFRIGERANT NEUTRAL	4	N
11	VACUUM NEUTRAL	5	N
12	VACUUM OUTPUT	2	01402A
13	GROUND	GREEN	GND
14	(BLANK)	(BLANK)	(BLANK)

WIRING FOR TOOL 1

TOOL WIRING TO PLUG

PIN #	DESCRIPTION	CABLE #	WIRE #
1	24 VDC -	11	DC COM
2	START INPUT	8	SLOT1 IN8
3	RESET INPUT	7	SLOT1 IN9
4	STEM SENSOR INPUT	9	SLOT1 IN10
5	RECLAIM OUTPUT	3	01406A
6	RECLAIM NEUTRAL	6	N
7	24 VDC +	10	01506
8	(BLANK)	(BLANK)	(BLANK)
9	REFRIGERANT OUTPUT	1	01404A
10	REFRIGERANT NEUTRAL	4	N
11	VACUUM NEUTRAL	5	N
12	VACUUM OUTPUT	2	01405A
13	GROUND	GREEN	GND
14	(BLANK)	(BLANK)	(BLANK)

WIRING FOR TOOL 2

TOOL CONNECTION POINT WIRING

REV	DESCRIPTION	DATE	APP'D
0	MECHANICAL DRAWINGS	6/23/2022	MGC
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK
2	CORRECTIONS FOR SHOP	8/10/2022	JK

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JOB#: 020439-1-1


DRAWN BY JK

DATE

6/23/2022

APP'D BY JKS

MACHINE SERIAL NUMBER: 1019579

SERV-I-QUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE

DRAWING NO.

SHEET

1019579

R003

PLUG 3 PINOUT

TOOL 3

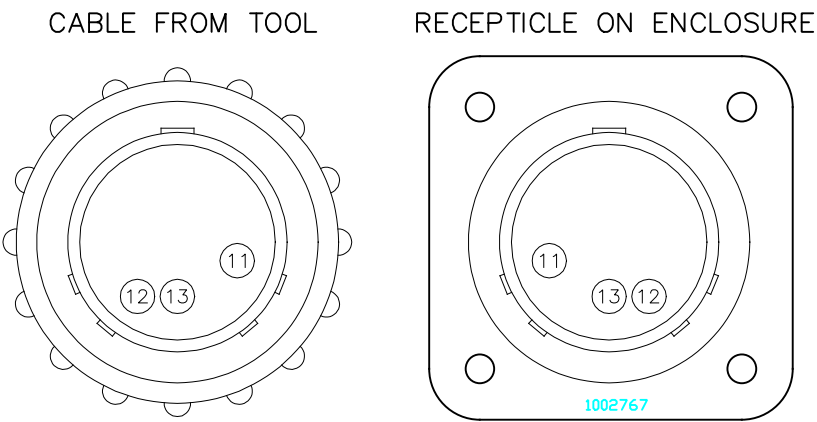
1 PORT EV1

PLUG 4 PINOUT

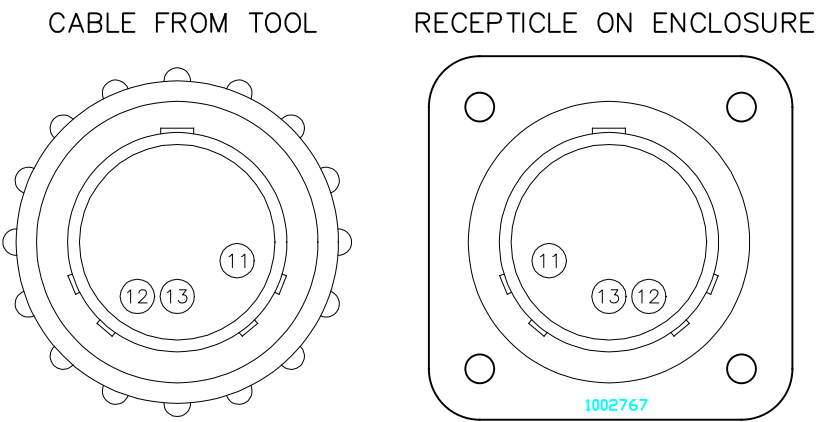
TOOL 4

1 PORT EV1

PLUG 3 PINOUT



PLUG 4 PINOUT



TOOL WIRING TO PLUG

PIN #	DESCRIPTION	CABLE #	WIRE #
1	(BLANK)	(BLANK)	(BLANK)
2	(BLANK)	(BLANK)	(BLANK)
3	(BLANK)	(BLANK)	(BLANK)
4	(BLANK)	(BLANK)	(BLANK)
5	(BLANK)	(BLANK)	(BLANK)
6	(BLANK)	(BLANK)	(BLANK)
7	(BLANK)	(BLANK)	(BLANK)
8	(BLANK)	(BLANK)	(BLANK)
9	(BLANK)	(BLANK)	(BLANK)
10	(BLANK)	(BLANK)	(BLANK)
11	VACUUM NEUTRAL	5	N
12	VACUUM OUTPUT	2	01407A
13	GROUND	GREEN	GND
14	(BLANK)	(BLANK)	(BLANK)

TOOL WIRING TO PLUG

PIN #	DESCRIPTION	CABLE #	WIRE #
1	(BLANK)	(BLANK)	(BLANK)
2	(BLANK)	(BLANK)	(BLANK)
3	(BLANK)	(BLANK)	(BLANK)
4	(BLANK)	(BLANK)	(BLANK)
5	(BLANK)	(BLANK)	(BLANK)
6	(BLANK)	(BLANK)	(BLANK)
7	(BLANK)	(BLANK)	(BLANK)
8	(BLANK)	(BLANK)	(BLANK)
9	(BLANK)	(BLANK)	(BLANK)
10	(BLANK)	(BLANK)	(BLANK)
11	VACUUM NEUTRAL	5	N
12	VACUUM OUTPUT	2	01408A
13	GROUND	GREEN	GND
14	(BLANK)	(BLANK)	(BLANK)


WIRING FOR TOOL 3

WIRING FOR TOOL 4

TOOL CONNECTION POINT WIRING

REV	DESCRIPTION	DATE	APP'D	<p>This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.</p>
0	MECHANICAL DRAWINGS	6/23/2022	MGC	
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2	CORRECTIONS FOR SHOP	8/10/2022	JK	
JOB#: 020439-1-1				
DRAWN BY JK			DATE	6/23/2022
APP'D BY JKS				

MACHINE SERIAL NUMBER: 1019579

SERV-I-QUIP, INC.

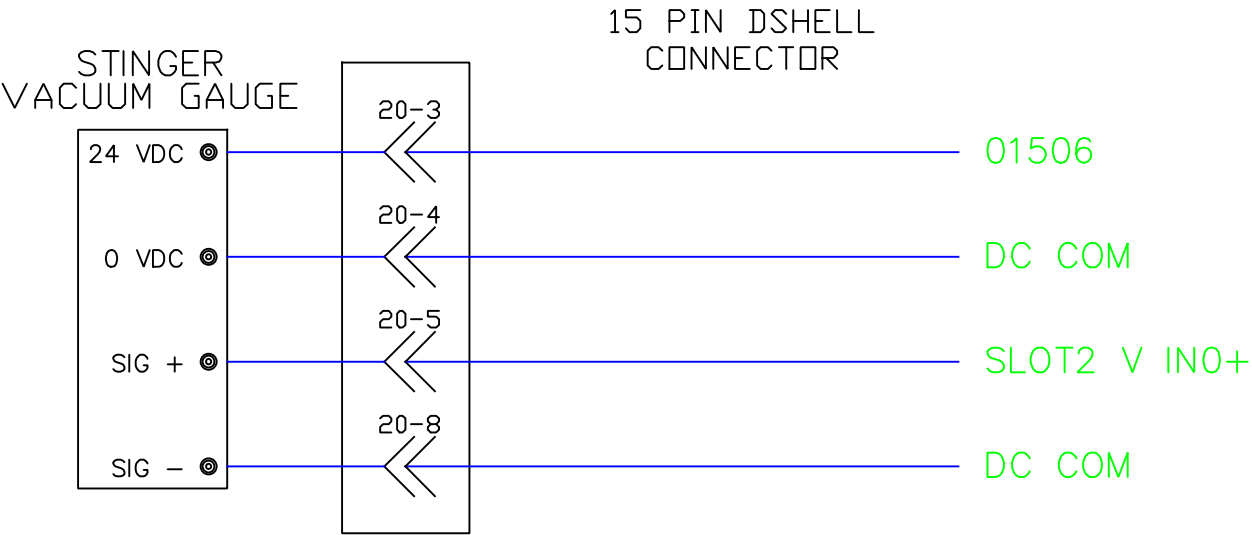
RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

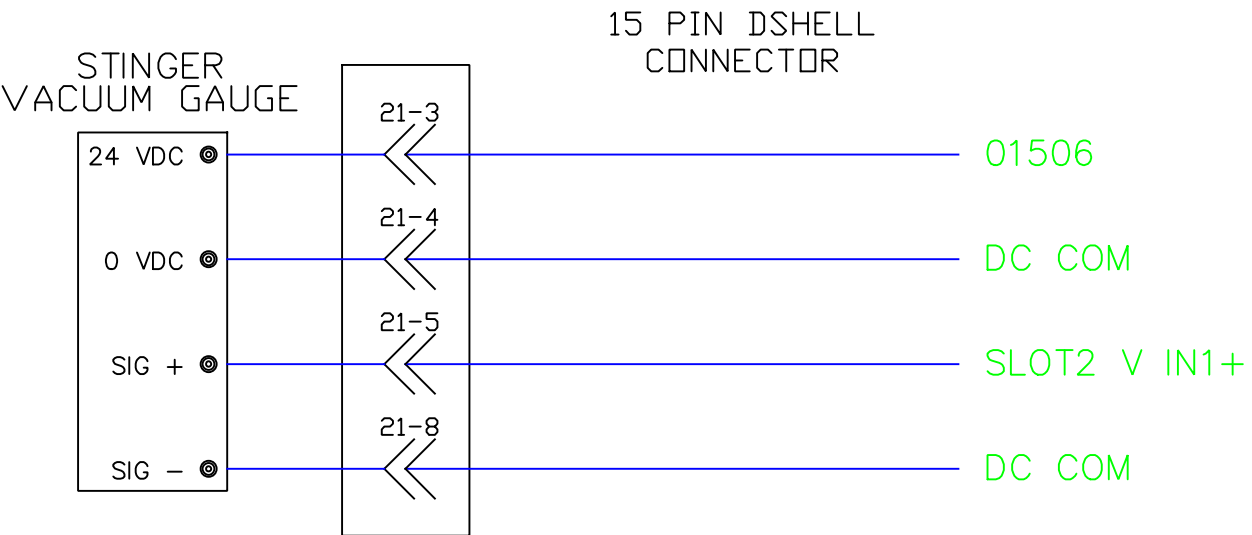
SIZE  
DRAWING NO.  
1019579

SHEET  
R004

PLUG 20 PINDOUT  
VACUUM GUAGE WIRING  
VT-001-01




PLUG 21 PINDOUT  
VACUUM GUAGE WIRING  
VT-001-02



VACUUM TRANSDUCER WIRING

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.
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1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK	
2	CORRECTIONS FOR SHOP	8/10/2022	JK	
JOB#: 020439-1-1				
DRAWN BY JK			DATE	
APP'D BY JKS			6/23/2022	

MACHINE SERIAL NUMBER: 1019579

SERV-I-QUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

JOB#: 020439-1-1

EPICOR: 020439-1-1

SIZE

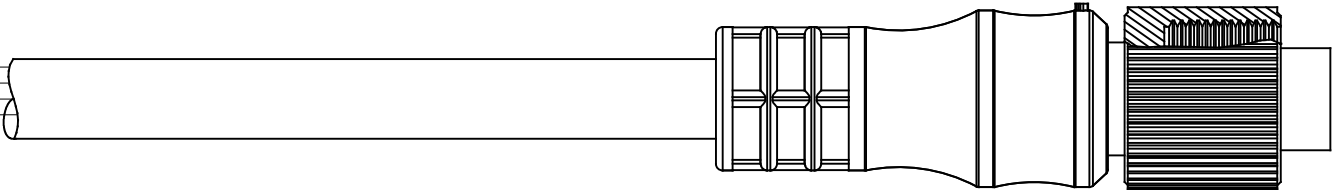
DRAWING NO. 1019579

SHEET R005

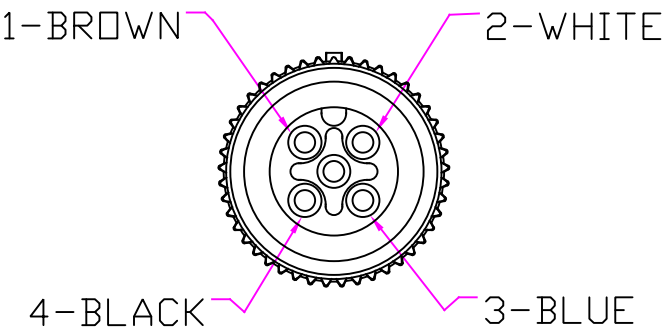
PLUG 22 PINDOUT  
TRANSDUCER WIRING  
R-410A Pressure  
PT-001-01

- 1-RED: 01506
- 2-WHT: SLOT2 I IN2+
- 3-BLU: N/A
- 4-BLK: N/A

FEMALE END  
EFFECTOR  
1013238



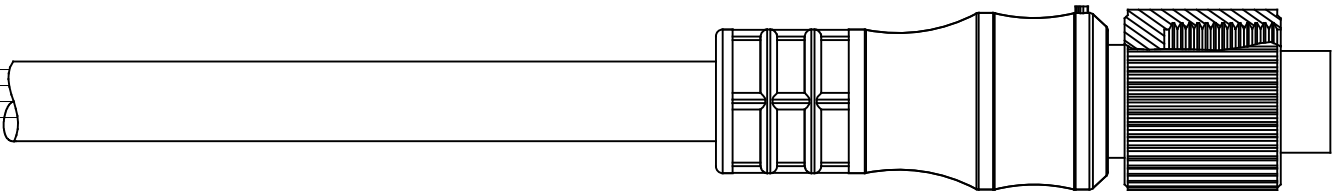
FEMALE END VIEW



PLUG 23 PINDOUT  
TRANSDUCER WIRING  
Refrigerant Pressure  
PT-001-02

- 1-RED: 01506
- 2-WHT: SLOT2 I IN3+
- 3-BLU: N/A
- 4-BLK: N/A


FEMALE END  
EFFECTOR  
1013238



PRESSURE TRANSDUCER WIRING

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-EQUIP or others covering any material or use.
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1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK	
2	CORRECTIONS FOR SHOP	8/10/2022	JK	
				JOB#: 020439-1-1
				DRAWN BY JK DATE
				APP'D BY JKS 6/23/2022

MACHINE SERIAL NUMBER: 1019579

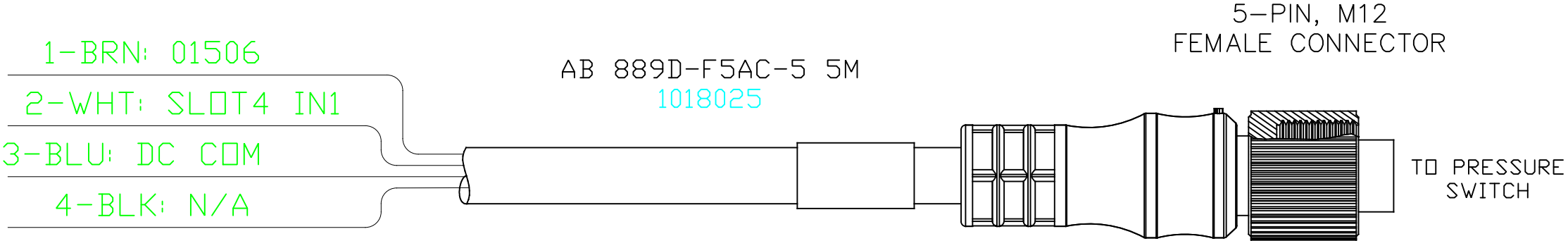
SERV-I-EQUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE 1019579 SHEET R006


PLUG 24 PINOUT  
PRESSURE SWITCH WIRING  
Air Pressure  
PSW-000-01



PRESSURE SWITCH WIRING

REV	DESCRIPTION	DATE	APP'D	<div>This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a recommendation to infringe, any patent of SERV-I-EQUIP or others covering any material or use.</div>
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2	CORRECTIONS FOR SHOP	8/10/2022	JK	
				JOB#: 020439-1-1
DRAWN BY JK		DATE		
APP'D BY JKS		6/23/2022		

MACHINE SERIAL NUMBER: 1019579

SERV-I-EQUIP, INC.

RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE  
DRAWING NO.  
1019579

SHEET  
R007

DUAL DOOR  
SYSTEM

BANK LABELING  
ON PANEL/WALL

SERV-I-QUIP  
127 WALLACE AVE.  
DOWNTOWN, PA 19335  
UL FILE #4006996  
TYPE 1 ENCLOSURE

VOLTAGE : 480VAC  
3 PHASE / MAX HP: 1  
SCCR: 50 kA / 60Hz  
MAX FLA: 20  
LARGEST MTR FLA: 1.7

HV  
DOOR  
RIGHT SIDE

SERV-I-QUIP  
127 WALLACE AVE.  
DOWNTOWN, PA 19335  
UL FILE #4006996  
TYPE 1 ENCLOSURE

VOLTAGE : 24VDC  
MAX FLA: 10  
DWG #: 1019579  
SHEET: 015 & 016

LV  
DOOR  
LEFT SIDE

CAUTION

FU: XXXXXX - XA  
FU: XXXXXX - XA  
FU: XXXXXX - XA  
FU: XXXXXX - XA  
FU: XXXXXX - XA  
FU: XXXXXX - XA  
FU: XXXXXX - XA  
FU: XXXXXX - XA

REPLACE FUSES  
ACCORDING TO DWG

CUSTOMER FIELD  
DEVICES

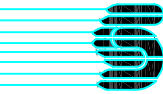
FOR FIELD WIRING

USE 60 DEGREE OR GREATER  
COPPER WIRE ONLY  
  
FOR LESS THAN 100 AMPS  
TORQUE SCREWS TO XX IN/LBS.  
(FOR EACH TYPE TERMINAL CONNECTED OR  
LUG CONNECTED)

CERTIFICATIONS AND LABELS

REV	DESCRIPTION	DATE	APP'D	This drawing, based upon our testing and experience to date, is offered without charge as part of our service to customers. It is intended for use by persons having engineering skill at their own discretion and risk. We do not guarantee favorable results and we assume no liability in connection with its use. This information is not intended as a license to operate under, nor a recommendation to infringe, any patent of SERV-I-QUIP or others covering any material or use.
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				JOB#: 020439-1-1
DRAWN BY JK		DATE		
APP'D BY JKS		6/23/2022		

MACHINE SERIAL NUMBER: 1019579



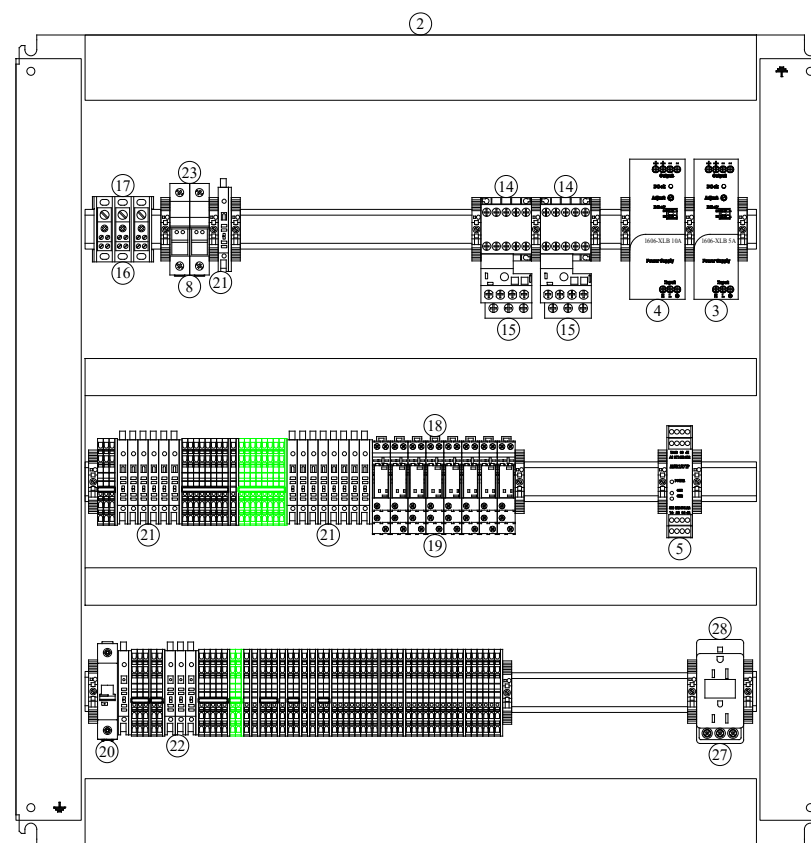
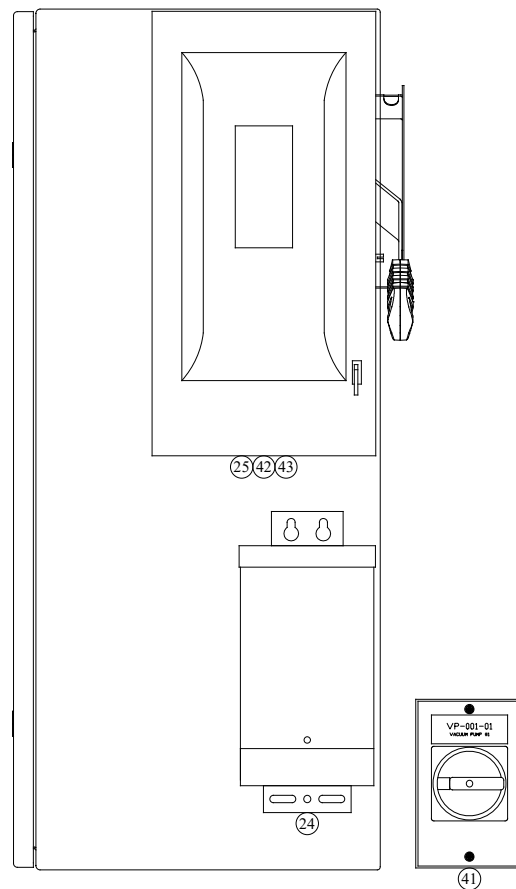
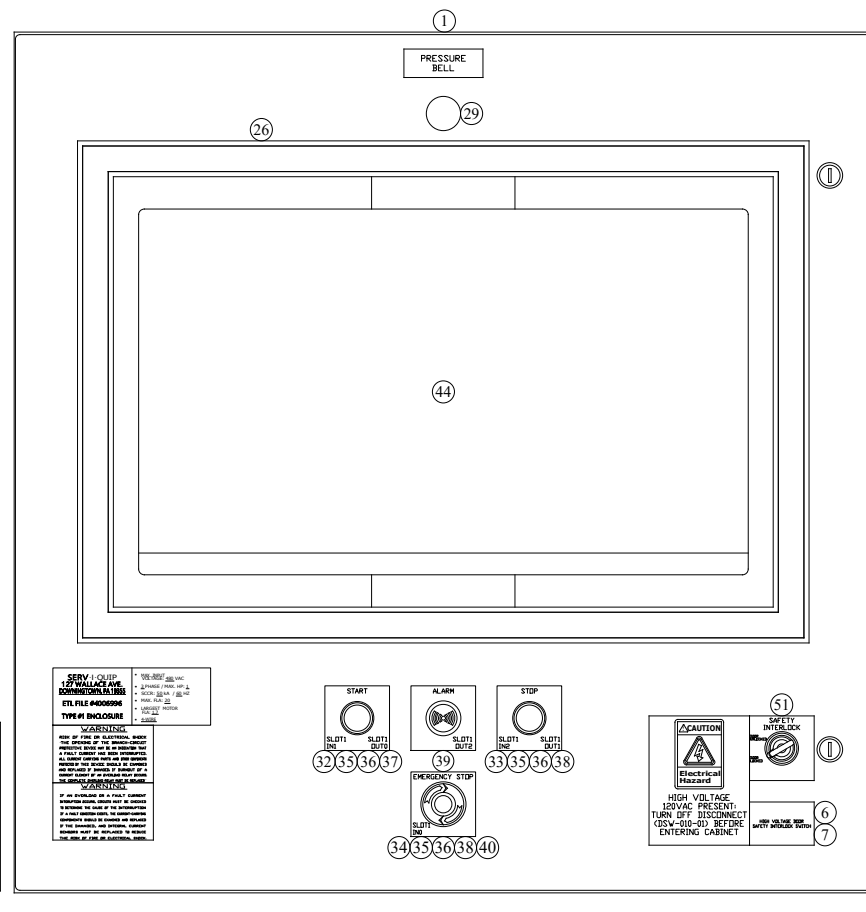
SERV-I-QUIP, INC.  
  
RHEEM  
MEXICO  
DATAFILL RRV-2490 REFRIGERANT  
CHARGER

EPICOR: 020439-1-1

SIZE

DRAWING NO.  
1019579

SHEET  
R008



ITEM	QTY	S.I.Q. PN	MANUFACTURER	DESCRIPTION
1	2	101609D	HOFFMAN	ENCLOSURE CSD303012
2	1	1014053	HOFFMAN	PANEL CP3030
3	1	1017397	ALLEN BRADLEY	POWER SUPPLY, 1806-ULB120E, 24VDC 5A POWER SUPPLY
4	1	1018089	ALLEN BRADLEY	POWER SUPPLY, 1806-ULB240E, 24VDC 10A POWER SUPPLY
5	1	1013779	ALLEN BRADLEY	SAFETY RELAY A40R-N2312
6	1	1012151	IDEC	INTERLOCK SWITCH, IDEC, HSSL-ZT74M-G, Safety Interlock Switch, w/ Solenoid
7	1	1018251A	IDEC	INTERLOCK SWITCH KEY, IDEC, HS92-A5
8	1	1009464	ALLEN BRADLEY	FUSE HOLDER, 2 POLE W/ FINGER, 1492-FRC230-L
9	1	1017079	MARINCO	52798L 15 Amp 125 Volt Induced Output Rectification, Part No. 52798L
10	1	1014555	ALLEN BRADLEY	PLC COMPACTLOGIX I/PIC, 2, 1769-I2AKH-Q8BC1B
11	1	1008330	ALLEN BRADLEY	COMPACTLOGIX INPUT MODULE 1769-IB16 1769-IO16
12	1	1018333	ALLEN BRADLEY	COMPACTLOGIX OUTPUT MODULE 16x24VDC 1769-OB16
13	1	1006462	ALLEN BRADLEY	END CAP 1769-ECR
14	2	10159232A	ALLEN BRADLEY	CONTACTOR AB 100-K12ZJ10
15	2	10159292B	ALLEN BRADLEY	OVERLOAD KSERIES 2-3-3-2A 193-KB32
16	1	1008903	ALLEN BRADLEY	DISTRIBUTION BLOCK, 3 POLE, 115 AMP, 600VAC, ALUMINUM, 1492-PDM3141
17	1	1011942	ALLEN BRADLEY	COVER FOR DISTRIBUTION BLOCK, 1492-PCB9
18	11	1017196	ALLEN BRADLEY	RELAY 700-K36324 10 AMP CONTACT 24 VDC SPDT
19	11	1017366A	ALLEN BRADLEY	RELAY SOCKET FOR 1017196 700-HN221 MINI SOCKET S-BLADE
20	1	1015473	ALLEN BRADLEY	CIRCUIT BREAKER, 1 POLE 10A, MCC 1492-SPMIC100
21	15	1002778	ALLEN BRADLEY	FUSE BLOCK, LAMP CHAC NEON INDICATORS
22	10	1006830	ALLEN BRADLEY	FUSE BLOCK, 1492-HS DC LED INDICATORS
23	1	1011055	BUSSMAN	FUSE, 6A, FNQ-R-6
24	1	1007181	ACME	TRANSFORMER, 75KVA T-2-3009S-5
25	1	1017017	BLACKBURN	GROUND LUG, 2 POLE, 2/O 2C 1/J CU/AL JAG, BLKADR21-21
26	1	1017311	HOFFMAN	WINDOW KIT, NEMA 4 AND 12, A-PWK2315NF
27	1	1011138	WEIDMULLER	OUTLET DUPLEX AC 125VAC 15AMP DIN LATCH MCM 167K131
28	1	10159232A	APC	Back-UPS 600VA UPS Battery Backup, BE600M1
29	1	1008740	BANNER	STACK LIGHT, K30RGVPQ, 3 COLOR GREEN/AMBER/RED, K30RGVPQ
30	4	1002767	AMP	CONNECTOR, RECEPTACLE, 14 POSITION, 206043
31	1	1018152	HONEYWELL	BARCODE SCANNING, BARCODE SCANNER, 1911-EP or 1991-SR
32	1	1016852	ALLEN BRADLEY	800MF LEX, Extended, Illuminated, Momentary, Metal, GREEN
33	1	1016834	ALLEN BRADLEY	800MF LEX, Extended, Illuminated, Momentary, Metal, RED
34	1	1016864	ALLEN BRADLEY	800F MUSHROOM 800FP-LMT44 METAL 40mm RED TWIST TO RELEASE
35	3	1016865	ALLEN BRADLEY	800F PLASTIC LATCH 800F-ALP
36	3	1016867	ALLEN BRADLEY	800F NO CONTACT 800F-X10
37	1	1016868	ALLEN BRADLEY	800F LED MODULE GREEN 800F-N3G 24VAC/VDC
38	1	1016869	ALLEN BRADLEY	800F LED MODULE RED 800F-N3R 24VAC/VDC
39	1	1016660	MALLORY	Arcant, Constant, 38-20VDC, 40mA, RS-95dB, Mil. Part# ZA028DLCT
40	1	1016862	ALLEN BRADLEY	800F NC CONTACT 800F-X10
41	2	1015582	ALLEN BRADLEY	Load Switch ENCLOSED 25 AMP 194E-UT55-1753-6N
42	1	1018047	SIEMENS	DISCONNECT, 600V 3PS, 3P601 EXTERNAL, MF361
43	3	1009628A	BUSSEMAN	FUSE, 20A, LPK-BK-20SP
44	1	1017049	ASUS	MONITOR 24", 1080p VGA, VA24HE
45	1	1018655	SOLIDTEC	INDUSTRIAL KEYBOARD/TOUCH PAD, IP68, WATER PROOF
46	1	1015214A	HIRSCHMANN	8TX UNMANAGED ETHERNET SWITCH, 10/100MB 942132002
47	2	1012521	ALLEN BRADLEY	RESISTOR, 1.5 KOHM, 1492ID3BR152
48	1	1016053	GG&SCP	Mini PC QBX-PR-KBLB7100M-A1
49	3	1014326	TYCO	Card R14MS Shielded Industrial Panel Mount Bulkhead, 1738601-2
50	1	1017764	KIEY SWICH	KEY SWITCH, 800F-KM2XPX11, 2 POSITION
51	1	1017665	LEGRAND	4 Port Faceplate Black Mfg. Part No. IQ3AB-4P
52	1	1017067	TRIPP LITE	USB 2.0 Panel Mount Coupler Black Mfg. Part No. U060-000-KP-BK
53	6	1017069	TRIPP LITE	Insert Modular Jack 89dS (RJ45) Ethernet Mfg. Part No. N235-001
61	3	1017070	HELLERMANN TYTON	Blank Insert Black Mfg. Part No. BLANK BK

SERV-I-QUIP, INC.

JOB#: 020439-1-1		EPICOR: 020439-1-1		
DRAWN BY JK	DATE	SIZE	DRAWING NO.	SHEET
APP'D BY JKS	6/23/2022		1019579	L001

REV	DESCRIPTION	DATE	APP'D
0	MECHANICAL DRAWINGS	6/23/2022	MGC
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK
2	CORRECTIONS FOR SHOP	8/10/2022	JK

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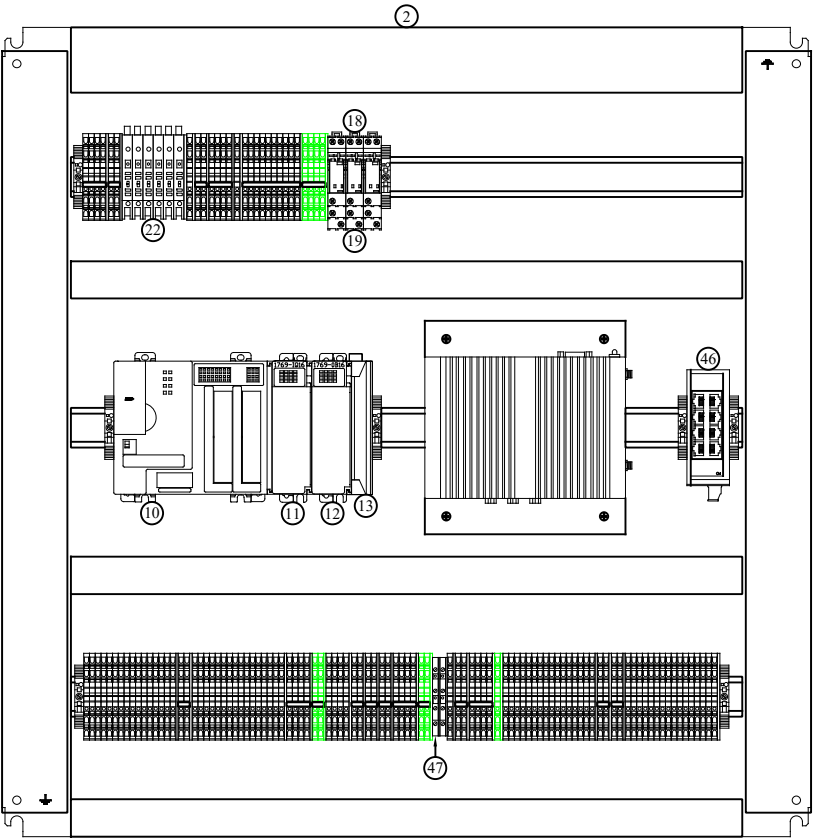
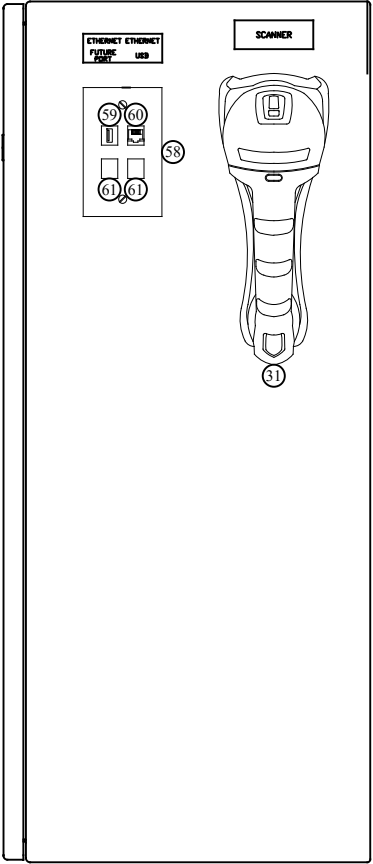
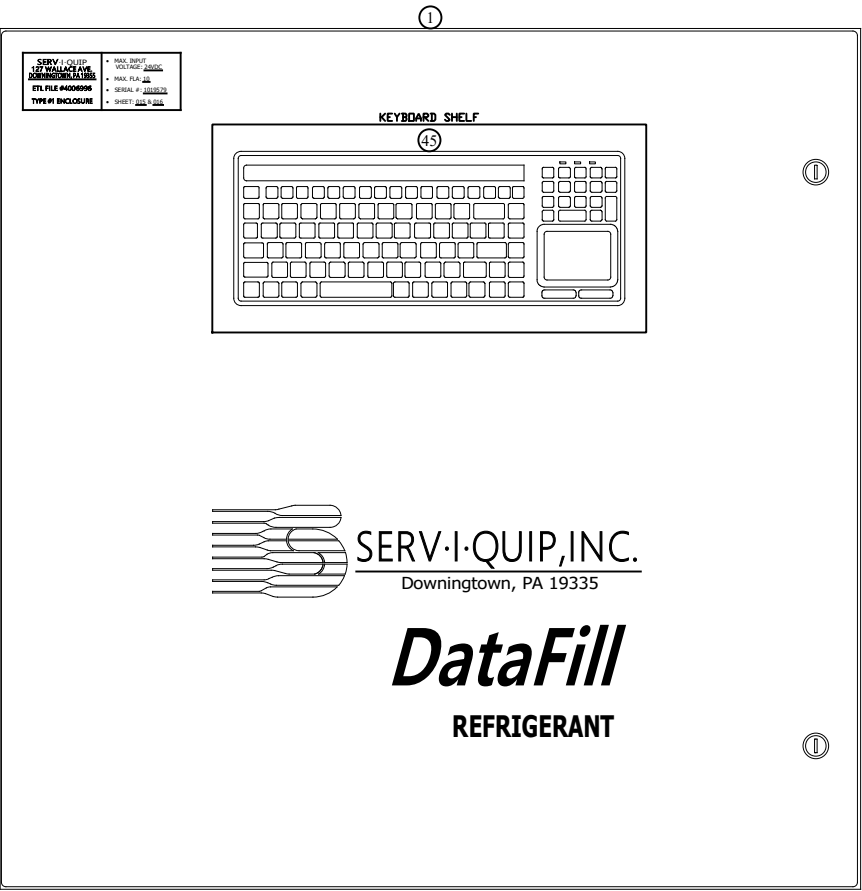
JOB#: 020439-1-

DRAWN BY	JK	DATE 6/23/2022
APP'D BY	JKS	

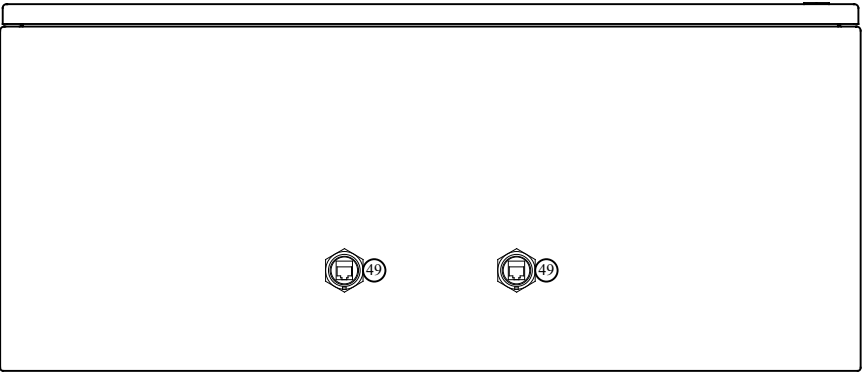
SIZE	DRAWING NO
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SHEET  
L001

# HIGH VOLTAGE ENCLOSURE / PANEL LAYOUTS AND BOM



ITEM	QTY	S/Q P/N	MANUFACTURER	DESCRIPTION
1	2	1016900	HOFFMAN	ENCLOSURE: CSD303012
2	2	1014053	HOFFMAN	PANEL, CP3030
3	1	1017997	ALLEN BRADLEY	POWER SUPPLY, 1606-XLB120E 24VDC 5A POWER SUPPLY
4	1	1018009	ALLEN BRADLEY	POWER SUPPLY, 1606-XLB240E 24VDC 10A POWER SUPPLY
5	1	1013779	ALLEN BRADLEY	SAFETY RELAY 440R-N23132
6	1	1018251	IDEC	INTERLOCK SWITCH, IDEC, HSSL-XD7Y4M-G, Safety Interlock Switch, w/ Solenoid
7	1	1018251A	IDEC	INTERLOCK SWITCH KEY, IDEC, HS92-A55
8	1	1009464	ALLEN BRADLEY	FUSE HOLDER, 2-POLE W/ INDIC, 1492-FB2C30-L
9	1	1017079	MARINCO	5279BL 15 Amp 125 Volt Flanged Outlet Receptacle, Part No. 5279BL
10	1	1014555	ALLEN BRADLEY	PLC, COMPACTLOGIX L24, 1769-L24ER-QBFC1B
11	1	1008330	ALLEN BRADLEY	COMPACTLOGIX INPUT MODULE 16X24VDC 1769-IQ16
12	2	1011833	ALLEN BRADLEY	COMPACTLOGIX OUTPUT MODULE 16X24VDC 1769-OB16
13	1	1006402	ALLEN BRADLEY	END CAP 1769-ECF
14	2	1015923A	ALLEN BRADLEY	CONTACTOR AB 100-K12Z110
15	2	1015923b	ALLEN BRADLEY	OVERLOAD KSERIES 2 3-3-2A 193-KB32
16	1	1008903	ALLEN BRADLEY	DISTRIBUTION BLOCK, 3 POLE, 115 AMP, 600VAC, ALUMINUM, 1492-P0MB141
17	1	1011942	ALLEN BRADLEY	COVER FOR DISTRIBUTION BLOCK, 1492-PBC9
18	11	1017196	ALLEN BRADLEY	RELAY 700-HK36224 10 AMP CONTACT 24 VDC SPDT
19	11	1017196A	ALLEN BRADLEY	RELAY SOCKET FOR 1017196 700-HN221 MINI SOCKET S-BLADE
20	1	1015473	ALLEN BRADLEY	CIRCUIT BREAKER, 1 POLE 10A, MCB 1492-SPM1C100
21	15	1002779	ALLEN BRADLEY	FUSE BLOCK, 1492-H4, AC NEON INDICATORS
22	10	1004830	ALLEN BRADLEY	FUSE BLOCK, 1492-H5, DC LED INDICATORS
23	2	1011055	BUSSMAN	FUSE, 6A, FNQ-R-6
24	1	1007181	ACME	TRANSFORMER, 75KVA T-2-53009-S
25	1	1017017	BLACKBURN	GROUND LUG, 2 POLE, 2/0-2C 1H CU/AL LG, BLKADR21-21
26	1	1017311	HOFFMAN	WINDOW KIT, NEMA 4 AND 12, A-PWK231SNF
27	1	1011138	WEIDMULLER	OUTLET DUPLEX AC 125VAC 15AMP DIN RAIL MCM 1671k13
28	2	1005923A	APC	Back-UPS 600VA UPS Battery Backup, BE600M1
29	1	1018407	BANNER	STACK LIGHT, K30LGRYPQ, 3 COLOR GREEN/AMBER/RED, K30LGRYPQ
30	4	1002767	AMP	CONNECTOR, RECEPTACLE, 14 POSITION, 206043
31	1	1018152	HONEYWELL	BARCODE SCANNER, CORDLESS USB KIT, 19111-ER or 19911-SR
32	1	1016862a	ALLEN BRADLEY	800FM-LE3, Extended, Illuminated, Momentary, Metal, GREEN
33	1	1016863a	ALLEN BRADLEY	800FM-LE4, Extended, Illuminated, Momentary, Metal, RED
34	1	1016864	ALLEN BRADLEY	800F MUSHROOM 800FP-LMT44 METAL40mm RED TWIST TO RELEASE
35	3	1016865	ALLEN BRADLEY	800F PLASTIC LATCH 800F-ALP
36	3	1016867	ALLEN BRADLEY	800F NO CONTACT 800F-X10
37	1	1016868	ALLEN BRADLEY	800F LED MODULE GREEN 800F-N3G 24VAC/VDC
38	2	1016869	ALLEN BRADLEY	800F LED MODULE RED 800F-N3R 24VAC/VDC
39	1	1016960	MALLORY	Alarm, Constant, 16-28VDC, 40mA, 85-95dB, Mfr. Part#: ZA028LDCT
40	1	1016862	ALLEN BRADLEY	800F NC CONTACT 800F-X01
41	2	1015582	ALLEN BRADLEY	LOAD SWITCH ENCLOSED 25 AMP 194E-V25-1753-6N
42	1	1018047	SIEMENS	DISCONNECT, 600V 30A 3 POLE EXTERNAL, HF361
43	3	1009628A	BUSSMAN	FUSE, 20A, LPS-RK-20SP
44	1	1017049	ASUS	MONITOR 24", 1080p VESA, VA2MEHE
45	1	1016855	SOLIDTEK	INDUSTRIAL KEYBOARD/TOUCH PAD, IP68, WATER PROOF
46	1	1015214A	HIRSCHMANN	8TX UNMANAGED ETHERNET SWITCH, 10/100MB 942132002
47	2	1015251	ALLEN BRADLEY	RESISTOR, 1.5 KOHM, 1492ID3R8152
48	1	1016503	GIGAIPC	Mini PC, QBIX-Pro-KBL87100H-A1
49	3	1014326	TYCO	CAT 6 RJ45 Shielded Industrial Panel Mount Bulkhead, 1738601-2
51	1	1017764	ALLEN BRADLEY	KEY SWITCH, 800P-KM21PX11, 2 POSITION
58	2	1017066	LEGRAIND	4 Port Faceplate Black, Mfg. Part No. FQJAD-BK
59	2	1017067	TRIPP LITE	USB 2.0 Panel Mount Coupler Black, Mfg. Part No. U060-000-KP-BK
60	3	1017069	TRIPP LITE	Insert Modular Jack 8p8c (RJ45, Ethernet) Mfg. Part No. N235-001
61	3	1017070	HELLERMAN TYTON	Blank Insert Black, Mfg. part No. BLANK-BK



LOW VOLTAGE ENCLOSURE / PANEL LAYOUTS AND BOM

REV	DESCRIPTION	DATE	APP'D	MACHINE SERIAL NUMBER: 1019579			
0	MECHANICAL DRAWINGS	6/23/2022	MGC	<div><div></div><div>SERV-I-QUIP, INC.</div><div>RHEEM MEXICO DATAFILL RRV-2490 REFRIGERANT CHARGER</div></div>			
1	ELECTRICAL DRAWINGS UPDATE	8/4/2022	JK				
2	CORRECTIONS FOR SHOP	8/10/2022	JK				
				JOB#: 020439-1-1			
				DRAWN BY JK	DATE 6/23/2022	SIZE	DRAWING NO. 1019579
				APP'D BY JKS			SHEET L002