

# MCC Documentation Approval Drawings

**Sold To:**

LEVERAGE CORPORATION PROVISIONES S.

**Project Owner:**

LEVERAGE CORPORATION PROVISIONES S.

**Project Name:**

PLANTA CHIQUITOS CS

**Equipment Name:**

MCC-002

MCC-001

**Rockwell Automation Order Number:**

6505648006

**Date:**

1/26/2023

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Transmittal

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## One Lines

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One Line Diagram - 10007010213

6505648006-000300: MCC-002

One Line Diagram - 10007010242

## Firmware

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Firmware Reference Table - 10006998368

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Firmware Reference Table - 10006998370

## Schematics

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EtherNet Power Supply Unit, 125 AF/15 AT - 10007076011

Metering Unit, 1200 A - 10007076021

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PowerFlex 755 AC Drive w/CB, 25 HP ND 34.0 A - 10007115327

PowerFlex 755 AC Drive w/CB, 25 HP ND 34.0 A - 10007115327

3-Pole Feeder Circuit Breaker (FCB), 125 AF/50 AT - 10007115331

3-Pole Feeder Circuit Breaker (FCB), 125 AF/60 AT - 10007115333

Main Circuit Breaker, 1200 AF/1000 AT - 10007115345

Feeder Fusible Disconnect Switch, 30 A / J CLIP - 10007125068

Optimized Ethernet Switch - 10007131557

3-Pole Feeder Circuit Breaker (FCB), 250 AF/125 AT - 10007173636

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3-Pole Feeder Circuit Breaker (FCB), 125 AF/20 AT - 10007173642

6505648006-000300: MCC-002

Two Speed Starter w/CB, 50 HP - 10007010253

EtherNet Power Supply Unit, 125 AF/15 AT - 10007076061  
Optimized Ethernet Switch - 10007076065  
Full Voltage Lighting Contactor with CB, 60 A/ 40AT - 10007076067  
Full Voltage Lighting Contactor with CB, 200 A/ 200AT - 10007076069  
Metering Unit, 800 A - 10007076073  
3-Pole Feeder Circuit Breaker (FCB), 125 AF/15 AT - 10007076077  
3-Pole Feeder Circuit Breaker (FCB), 125 AF/50 AT - 10007076079  
3-Pole Feeder Circuit Breaker (FCB), 125 AF/60 AT - 10007076081  
Full Voltage Non-Rev Starter w/CB, 10 HP - 10007115356  
Main Incoming Line Lug Compartment, 800 A - 10007115358

APPROVAL

# Transmittal Report

**Rockwell Automation Order Number:**

6505648006

**Date:**

1/26/2023



# Transmittal Report

RA Order: 6505648006

Items: 000300-03,000100-05

Customer: LEVERAGE CORPORATION PROVISIONES S.

Project Name: PLANTA CHIQUITOS CS

Status: Approval

Date Generated: 1/26/2023

No.	File	Title	Section
1	Transmittal.pdf	Document Transmittal	Transmittal
2	10007010243-scii.pdf	Elevation Diagram - 10007010243-scii	Elevations
3	10007010214-scii.pdf	Elevation Diagram - 10007010214-scii	Elevations
4	One Line Diagram - 10007010242.pdf	One Line Diagram - 10007010242	One Lines
5	One Line Diagram - 10007010213.pdf	One Line Diagram - 10007010213	One Lines
6	10006998370.pdf	Firmware Reference Table - 10006998370	Firmware
7	10006998368.pdf	Firmware Reference Table - 10006998368	Firmware
8	10007010253.pdf	Two Speed Starter w/CB, 50 HP - 10007010253	Schematics
9	10007076061.pdf	EtherNet Power Supply Unit, 125 AF/15 AT - 10007076061	Schematics
10	10007076065.pdf	Optimized Ethernet Switch - 10007076065	Schematics
11	10007076067.pdf	Full Voltage Lighting Contactor with CB, 60 A/ 40AT - 10007076067	Schematics
12	10007076069.pdf	Full Voltage Lighting Contactor with CB, 200 A/ 200AT - 10007076069	Schematics

No.	File	Title	Section
13	10007076073.pdf	Metering Unit, 800 A - 10007076073	Schematics
14	10007076077.pdf	3-Pole Feeder Circuit Breaker (FCB), 125 AF/15 AT - 10007076077	Schematics
15	10007076079.pdf	3-Pole Feeder Circuit Breaker (FCB), 125 AF/50 AT - 10007076079	Schematics
16	10007076081.pdf	3-Pole Feeder Circuit Breaker (FCB), 125 AF/60 AT - 10007076081	Schematics
17	10007115356.pdf	Full Voltage Non-Rev Starter w/CB, 10 HP - 10007115356	Schematics
18	10007115358.pdf	Main Incoming Line Lug Compartment, 800 A - 10007115358	Schematics
19	10007076011.pdf	EtherNet Power Supply Unit, 125 AF/15 AT - 10007076011	Schematics
20	10007076021.pdf	Metering Unit, 1200 A - 10007076021	Schematics
21	10007115323.pdf	Empty Unit Insert - 10007115323	Schematics
22	10007115325.pdf	Full Voltage Lighting Contactor with CB, 100 A/ 100AT - 10007115325	Schematics
23	10007115327_1.pdf	PowerFlex 755 AC Drive w/CB, 25 HP ND 34.0 A - 10007115327	Schematics
24	10007115327_2.pdf	PowerFlex 755 AC Drive w/CB, 25 HP ND 34.0 A - 10007115327	Schematics
25	10007115331.pdf	3-Pole Feeder Circuit Breaker (FCB), 125 AF/50 AT - 10007115331	Schematics
26	10007115333.pdf	3-Pole Feeder Circuit Breaker (FCB), 125 AF/60 AT - 10007115333	Schematics
27	10007115345.pdf	Main Circuit Breaker, 1200 AF/1000 AT - 10007115345	Schematics

No.	File	Title	Section
28	10007125068.pdf	Feeder Fusible Disconnect Switch, 30 A / J CLIP - 10007125068	Schematics
29	10007131557.pdf	Optimized Ethernet Switch - 10007131557	Schematics
30	10007173636.pdf	3-Pole Feeder Circuit Breaker (FCB), 250 AF/125 AT - 10007173636	Schematics
31	10007173638.pdf	3-Pole Feeder Circuit Breaker (FCB), 800 AF/600 AT - 10007173638	Schematics
32	10007173640.pdf	3-Pole Feeder Circuit Breaker (FCB), 800 AF/800 AT - 10007173640	Schematics
33	10007173642.pdf	3-Pole Feeder Circuit Breaker (FCB), 125 AF/20 AT - 10007173642	Schematics

APPROVED

# Elevations

**Rockwell Automation Order Number:**

6505648006

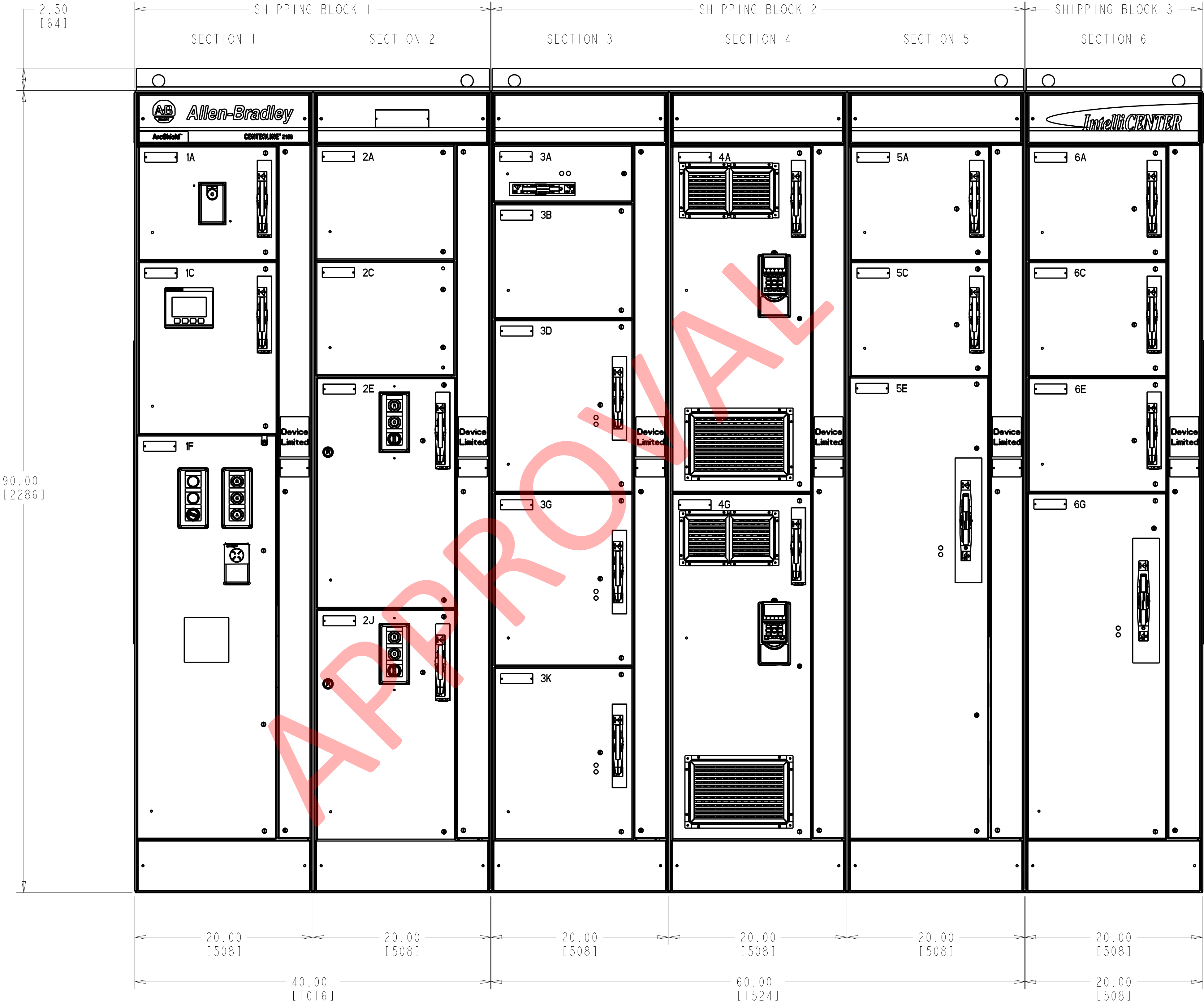
**Date:**

1/26/2023

Rockwell  
Automation  
CENTERLINE 2100  
MOTOR CONTROL CENTER  
PROJECT: PLANTA CHIQUITOS CS  
MCC: MCC-001

REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>			CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC.		
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS						
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-001						
C	E MARTINEZ	26-JAN-23	APPROVAL							
				CUSTOMER:	MECHANICAL ELEVATION			SHEET 1 OF 4		
				LEVERAGE CORPORATION PROVISIONES S.						
				863153						
				OC 1-159-22						
				ORDER-LINE NUMBER:				SIZE	10007010214	VER
				6505648006-000100						
PROJ. DOC. TYPE: Mechanical Lineup				LANG.: ENG	DRAWN BY: E MARTINEZ			DATE: 26-JAN-23		

ELEVATION VIEW  
(FRONT)



TOTAL LINEUP LENGTH = 120 [3048]

REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL

PROJECT:  
PLANTA CHIQUITOS CS  
MCC-001

CUSTOMER:  
LEVERAGE CORPORATION PROVISIONES S.  
863153  
OCT-159-22

ORDER-LINE NUMBER:  
6505648006-000100

PROJ. DOC. TYPE: Mechanical Lineup

LANG.: ENG

Rockwell  
Automation

MECHANICAL ELEVATION

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23

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SHEET 2 OF 4

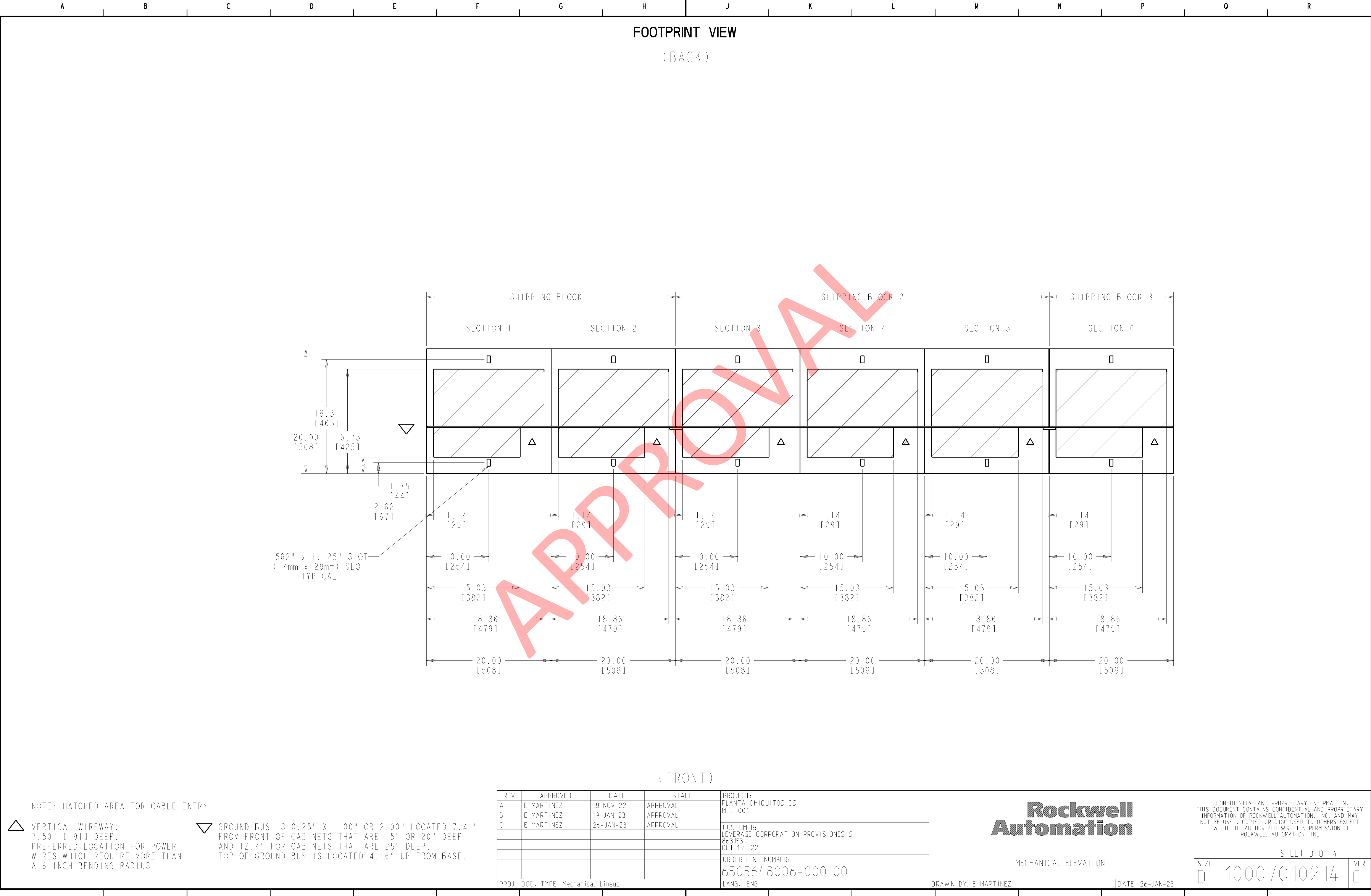
SIZE

D

10007010214

VER

C



FOOTPRINT VIEW  
(BACK)

(FRONT)

NOTE: HATCHED AREA FOR CABLE ENTRY

- VERTICAL WIREWAY:  
7.50" [191] DEEP.  
PREFERRED LOCATION FOR POWER  
WIRES WHICH REQUIRE MORE THAN  
A 6 INCH BENDING RADIUS.
- GROUND BUS IS 0.25" X 1.00" OR 2.00" LOCATED 7.41"  
FROM FRONT OF CABINETS THAT ARE 15" OR 20" DEEP  
AND 12.4" FOR CABINETS THAT ARE 25" DEEP.  
TOP OF GROUND BUS IS LOCATED 4.16" UP FROM BASE.

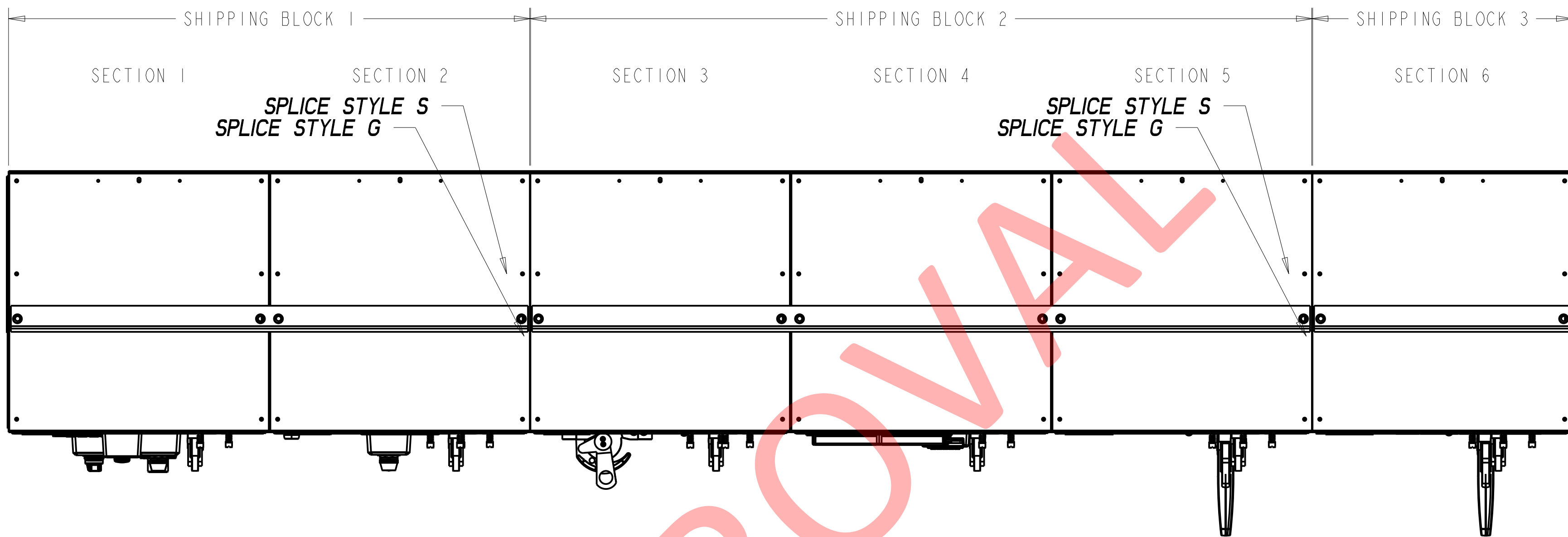
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A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: Mechanical Lineup			

PROJECT: PLANTA CHIQUITOS CS MCC-001
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 863153 0C1-159-22
ORDER-LINE NUMBER: 6505648006-000100
LANG.: ENG

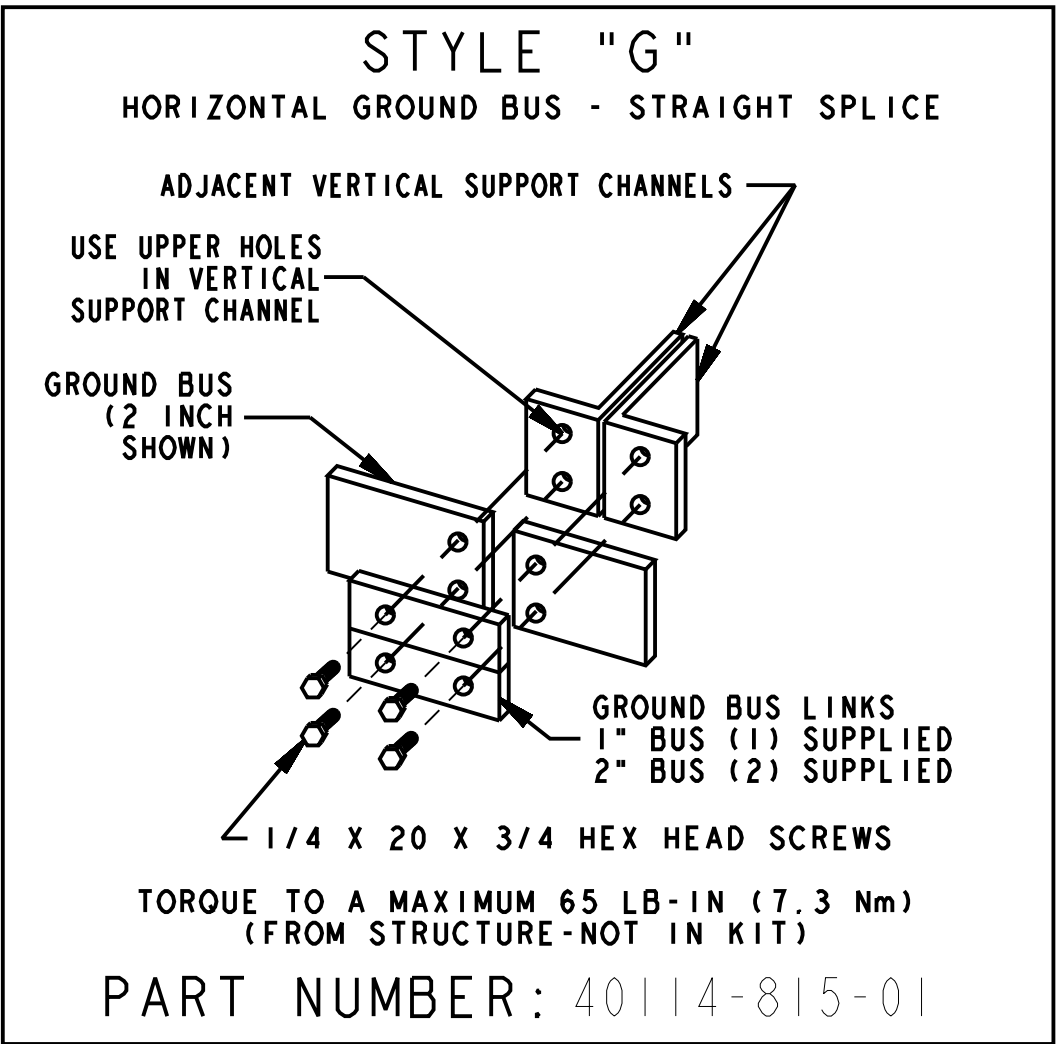
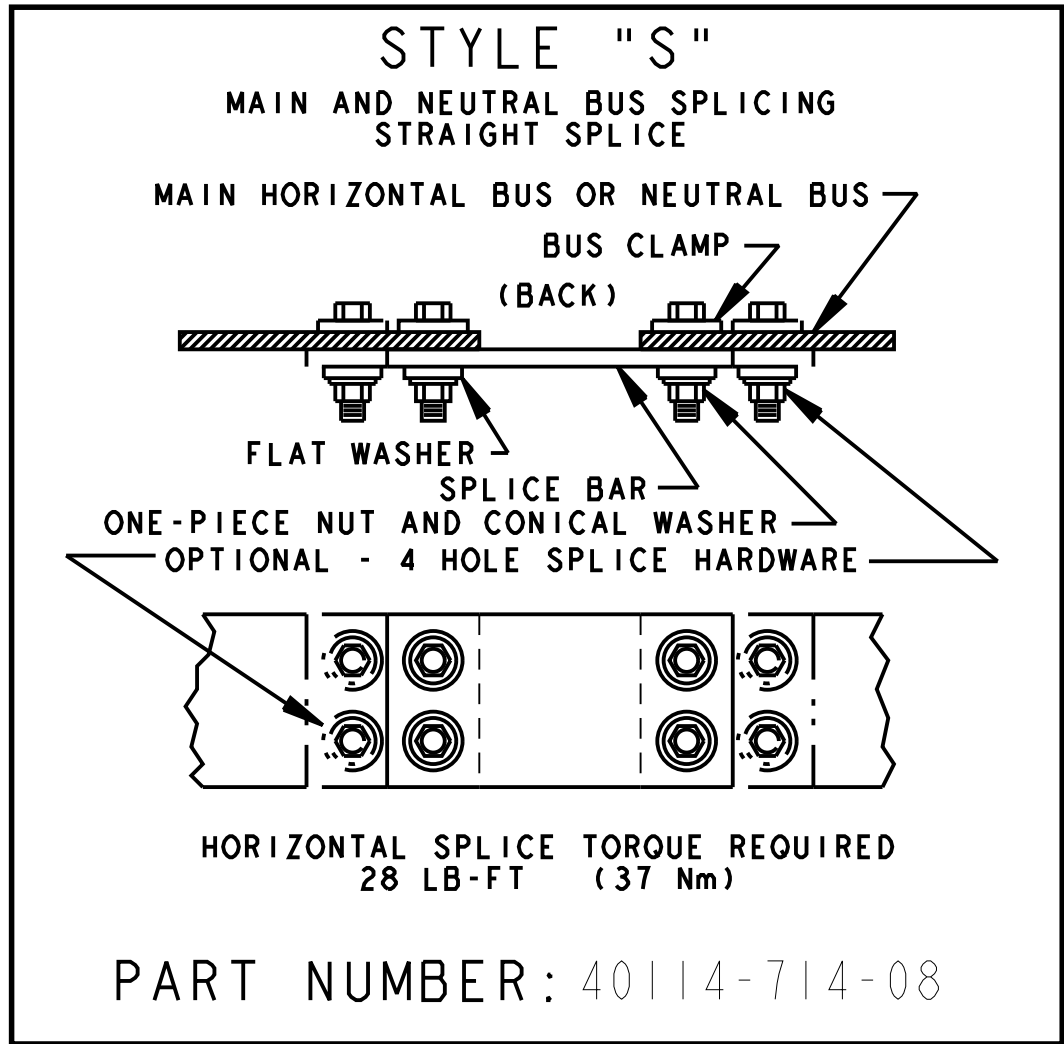
MECHANICAL ELEVATION	
DRAWN BY: E MARTINEZ	DATE: 26-JAN-23

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SHEET 3 OF 4		
SIZE D	10007010214	VER C

SPLICE ASSEMBLY  
(BACK)



(FRONT)



REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: Mechanical Lineup			

PROJECT: PLANTA CHIQUITOS CS MCC-001	Rockwell Automation
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 863153 0C1-159-22	
ORDER-LINE NUMBER: 6505648006-000100	
LANG.: ENG	

MECHANICAL ELEVATION		SHEET 4 OF 4
DRAWN BY: E MARTINEZ	DATE: 26-JAN-23	

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SIZE D	10007010214	VER C



Rockwell  
Automation  
CENTERLINE 2100  
MOTOR CONTROL CENTER  
PROJECT: PLANTA CHIQUITOS CS  
MCC: MCC-002

REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>			CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC.		
A	E MARTINEZ	17-NOV-22	APPROVAL	PLANTA CHIQUITOS CS						
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002						
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:						
				LEVERAGE CORPORATION PROVISIONES S.	MECHANICAL ELEVATION			SHEET 1 OF 7		
				863153						
				OC 1-159-22						
				ORDER-LINE NUMBER:						
				6505648006-000300				SIZE	10007010243	VER
PROJ. DOC. TYPE: Mechanical Lineup				LANG.: ENG	DRAWN BY: E MARTINEZ			DATE: 26-JAN-23	D	C



REV	APPROVED	DATE	STAGE
A	E MARTINEZ	17-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL

PROJECT:  
PLANTA CHIQUITOS CS  
MCC-002

CUSTOMER:  
LEVERAGE CORPORATION PROVISIONES S.  
863153  
OC1-159-22

ORDER-LINE NUMBER:  
6505648006-000300

LANG.: ENG

PROJ. DOC. TYPE: Mechanical Lineup

Rockwell  
Automation

MECHANICAL ELEVATION

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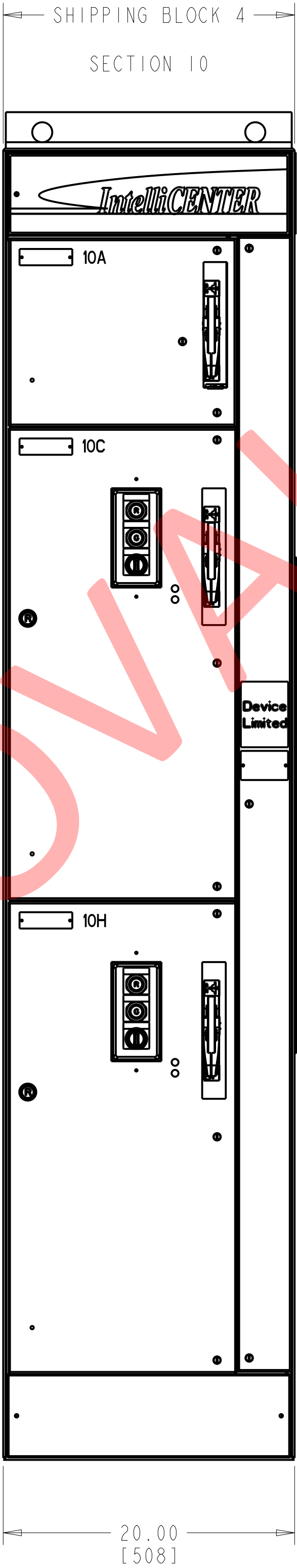
SHEET 2 OF 7

SIZE  
D 10007010243 VER  
C

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23

ELEVATION VIEW  
(FRONT)

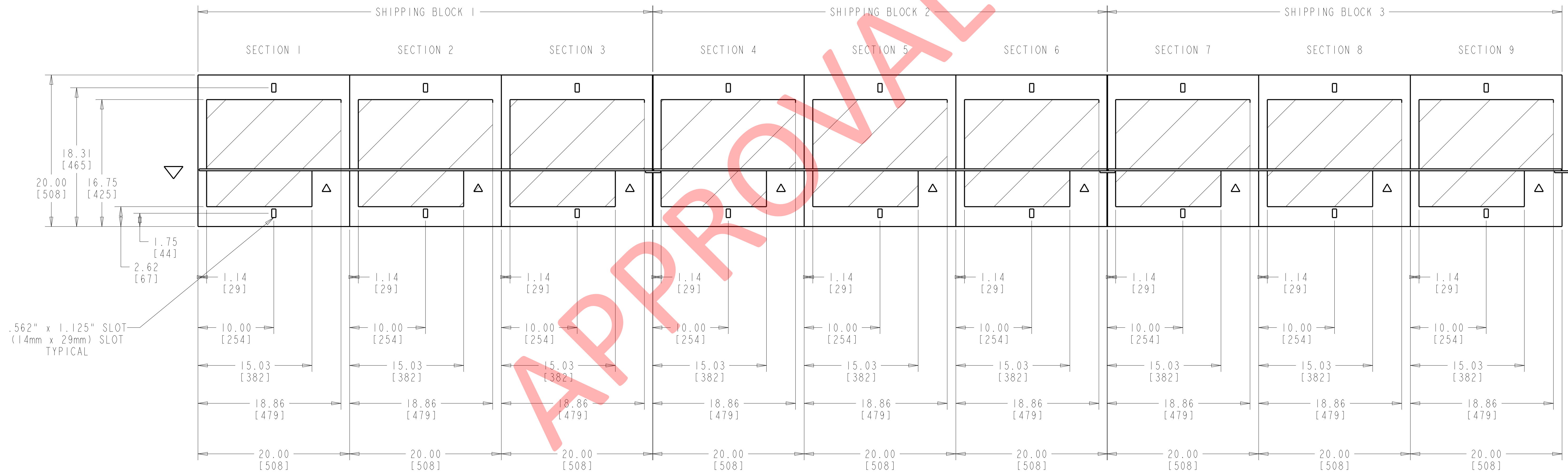


TOTAL LINEUP LENGTH = 200 [5080]

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A	E MARTINEZ	17-NOV-22	APPROVAL	PLANTA CHIQUITOS CS MCC-002				
B	E MARTINEZ	19-JAN-23	APPROVAL	CUSTOMER:	MECHANICAL ELEVATION		SHEET 3 OF 7	
C	E MARTINEZ	26-JAN-23	APPROVAL	LEVERAGE CORPORATION PROVISIONES S. 863153 OC1-159-22				
				ORDER-LINE NUMBER:	DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	
				6505648006-000300				
PROJ. DOC. TYPE: Mechanical Lineup				LANG.: ENG			SIZE D	VER C

10007010243

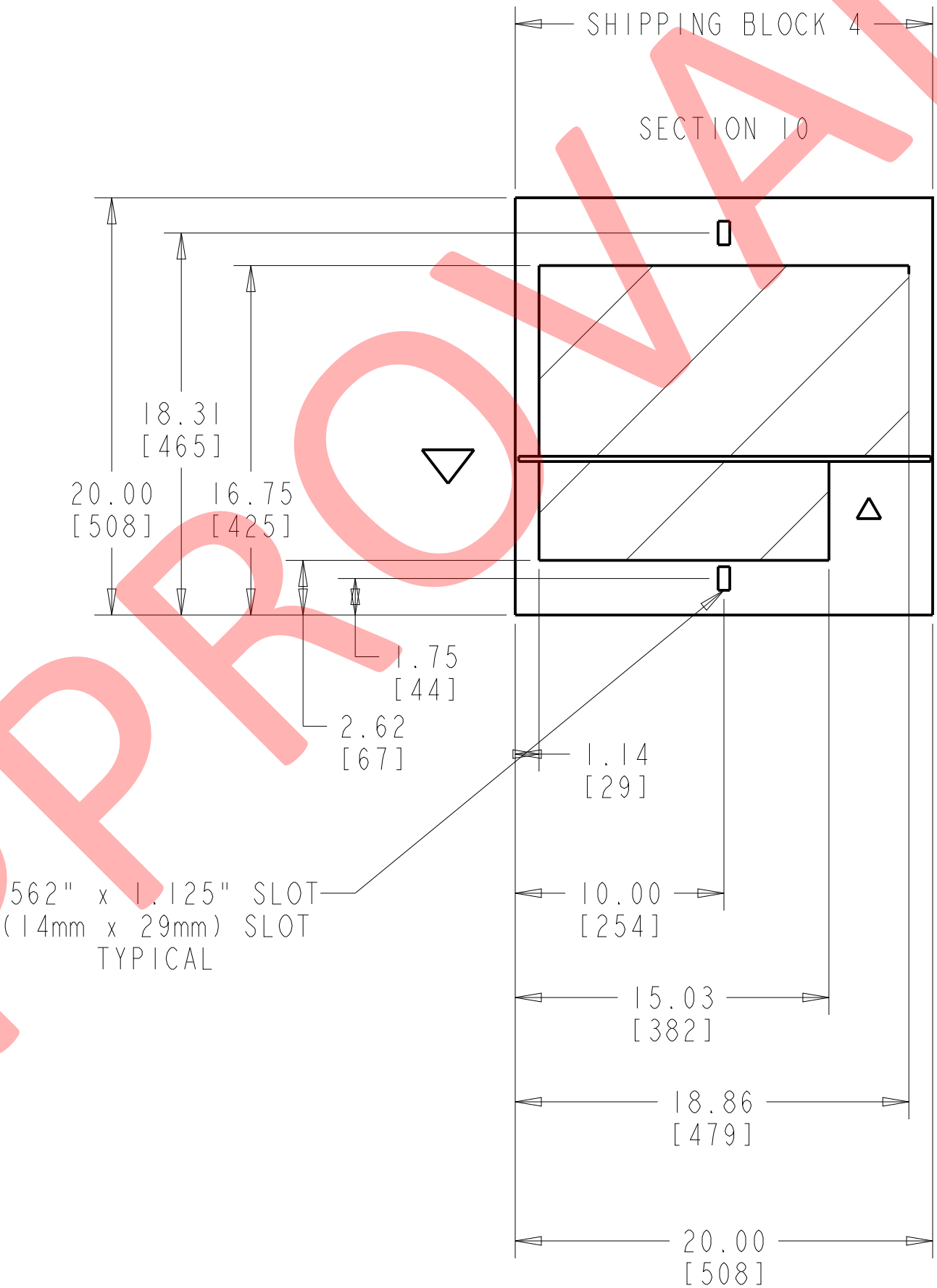
(BACK)



<p>△ VERTICAL WIREWAY: 7.50" [191] DEEP. PREFERRED LOCATION FOR POWER WIRES WHICH REQUIRE MORE THAN A 6 INCH BENDING RADIUS.</p>	<p>▽ GROUND BUS IS 0.25" X 1.00" OR 2.00" LOCATED 7.41" FROM FRONT OF CABINETS THAT ARE 15" OR 20" DEEP AND 12.4" FOR CABINETS THAT ARE 25" DEEP. TOP OF GROUND BUS IS LOCATED 4.16" UP FROM BASE.</p>
--	--

REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>	<div>CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC.</div>		
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B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002				
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:				
				LEVERAGE CORPORATION PROVISIONES S.				
				863153	MECHANICAL ELEVATION	SHEET 4 OF 7		
				OCI-159-22		SIZE D	10007010243	VER C
				ORDER-LINE NUMBER:				
				6505648006-000300				
PROJ. DOC. TYPE: Mechanical Lineup				LANG.: ENG		DRAWN BY: E MARTINEZ	DATE: 26-JAN-23	

FOOTPRINT VIEW  
(BACK)



(FRONT)

NOTE: HATCHED AREA FOR CABLE ENTRY

△ VERTICAL WIREWAY:  
7.50" [191] DEEP.  
PREFERRED LOCATION FOR POWER  
WIRES WHICH REQUIRE MORE THAN  
A 6 INCH BENDING RADIUS.

▽ GROUND BUS IS 0.25" X 1.00" OR 2.00" LOCATED 7.41"  
FROM FRONT OF CABINETS THAT ARE 15" OR 20" DEEP  
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REV	APPROVED	DATE	STAGE
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C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: Mechanical Lineup			

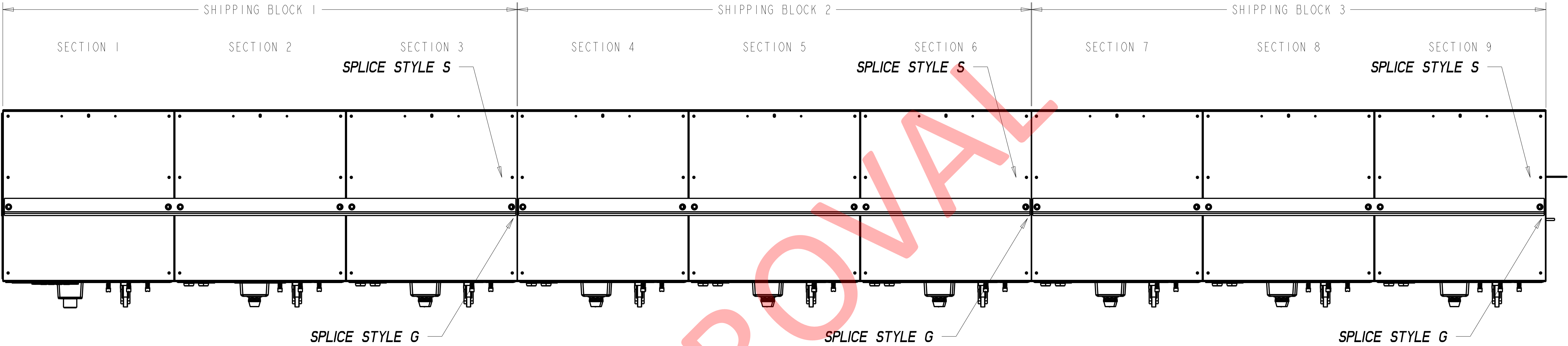
PROJECT: PLANTA CHIQUITOS CS MCC-002
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 863153 OCT-159-22
ORDER-LINE NUMBER: 6505648006-000300
LANG.: ENG

<div>Rockwell Automation</div>		SHEET 5 OF 7	
		MECHANICAL ELEVATION	VER C
DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	

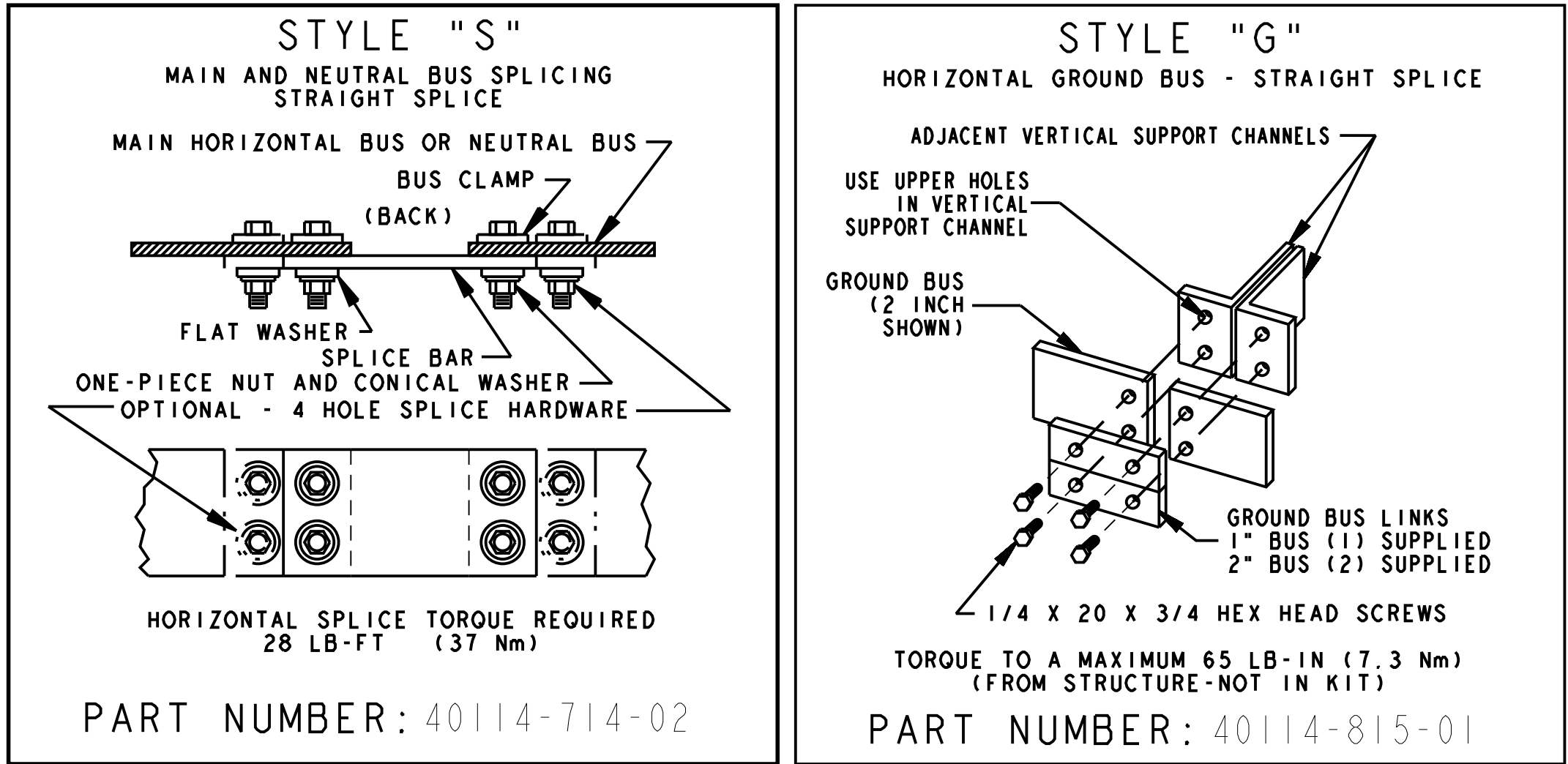
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SIZE D	10007010243		



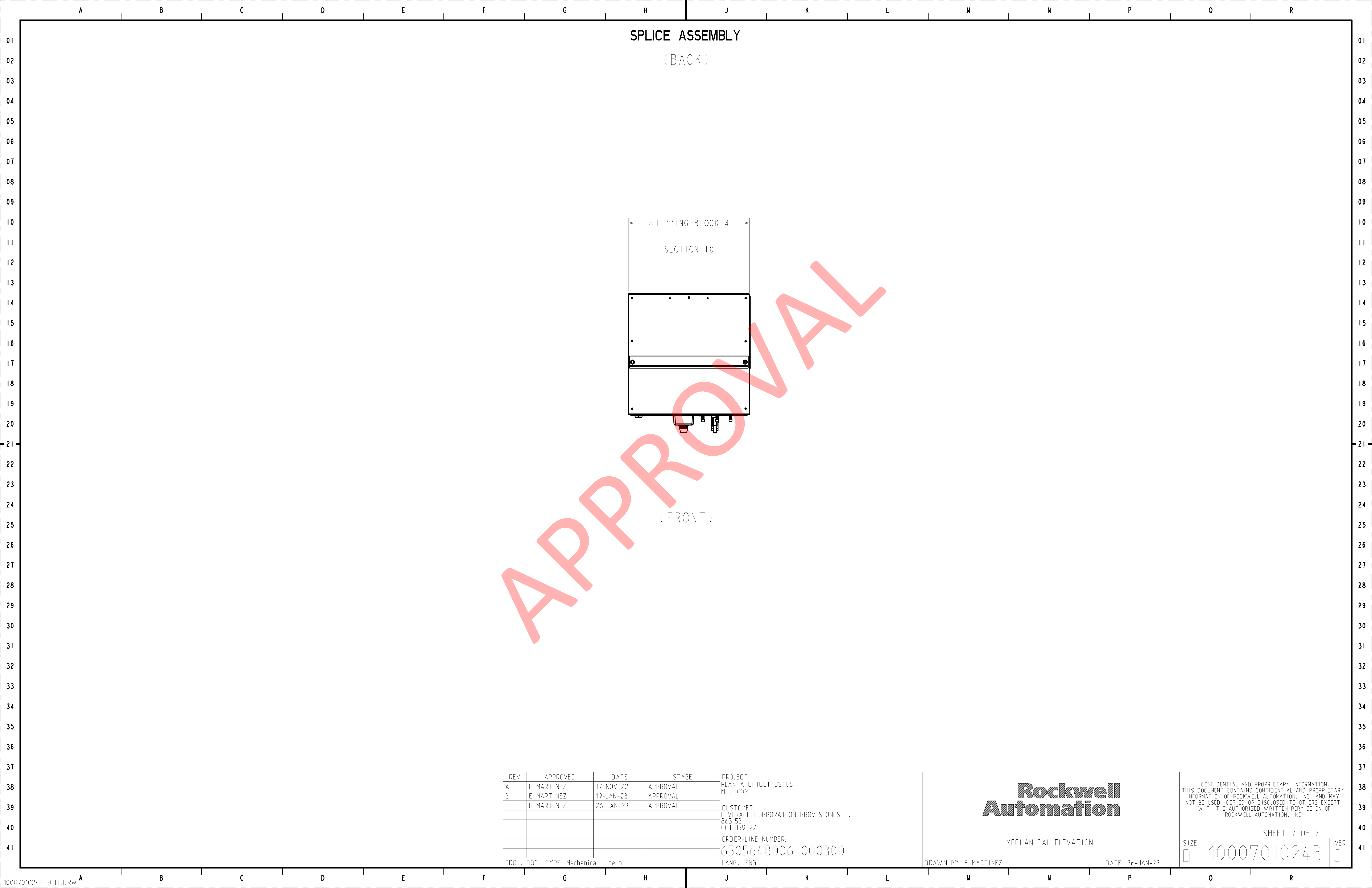
SPLICE ASSEMBLY  
(BACK)



(FRONT)



REV	APPROVED	DATE	STAGE	PROJECT:	<b>Rockwell Automation</b>		CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC.	
A	E MARTINEZ	17-NOV-22	APPROVAL	PLANTA CHIQUITOS CS MCC-002				
B	E MARTINEZ	19-JAN-23	APPROVAL	CUSTOMER:	MECHANICAL ELEVATION		SHEET 6 OF 7	
C	E MARTINEZ	26-JAN-23	APPROVAL	LEVERAGE CORPORATION PROVISIONES S. 863153 OC1-159-22				
				ORDER-LINE NUMBER:	DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	
				6505648006-000300				
PROJ. DOC. TYPE: Mechanical Lineup				LANG.: ENG				



REV	APPROVED	DATE	STAGE
A	E MARTINEZ	17-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL

PROJECT: PLANTA CHQUITOS CS MCC-002
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 863153 OC1-159-22
ORDER-LINE NUMBER: 6505648006-000300
PROJ. DOC. TYPE: Mechanical Lineup
LANG.: ENG

<div>Rockwell Automation</div>	
MECHANICAL ELEVATION	
DRAWN BY: E MARTINEZ	DATE: 26-JAN-23

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SHEET 7 OF 7		
SIZE D	10007010243	VER C

One Lines

**Rockwell Automation Order Number:**

6505648006

**Date:**

1/26/2023



Rockwell  
Automation  
CENTERLINE 2100  
MOTOR CONTROL CENTER

PROJECT: PLANTA CHIQUITOS CS  
MCC: MCC-001

REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>		
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS			
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-001			
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:			
				LEVERAGE CORPORATION PROVISIONES S.	<div>ONE LINE COVER SHEET</div>		
				0000863153			
				OCI-159-22			
				ORDER-LINE NUMBER:			
				6505648006-000100	<div>10007010213</div>		
				LANG: ENG			
PROJ. DOC. TYPE: COVER SHEET				DRAWN BY: E MARTINEZ	DATE: 26-JAN-23		VER
							C

## MOTOR CONTROL CENTER STRUCTURE SPECIFICATIONS

## ENCLOSURE OPTIONS REQUESTED

## VERTICAL WIREWAY TIE-BARS

EXPORT PACKAGING REQUIRED

## MOTOR CONTROL CENTER COMMON UNIT OPTIONS

P ADDRESSES NOT PROVIDED ON NAMEPLATES  
EXTERNAL OVERLOAD RESET BUTTONS  
UNIT DIAGRAM LOCATION: CENTRAL

## NETWORK INFORMATION

NETWORK TYPE: ETHERNET/IP

## UNIT NAMEPLATE

REV	APPROVED	DATE	STAGE	PROJECT:
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-001
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:
				LEVERAGE CORPORATION PROVISIONES S.
				0000863153
				OCI-159-22
				ORDER-LINE NUMBER:
				6505648006-000100
PROJ. DOC. TYPE: SPECIFICATIONS SHEET				LANG: ENG

# Rockwell Automation

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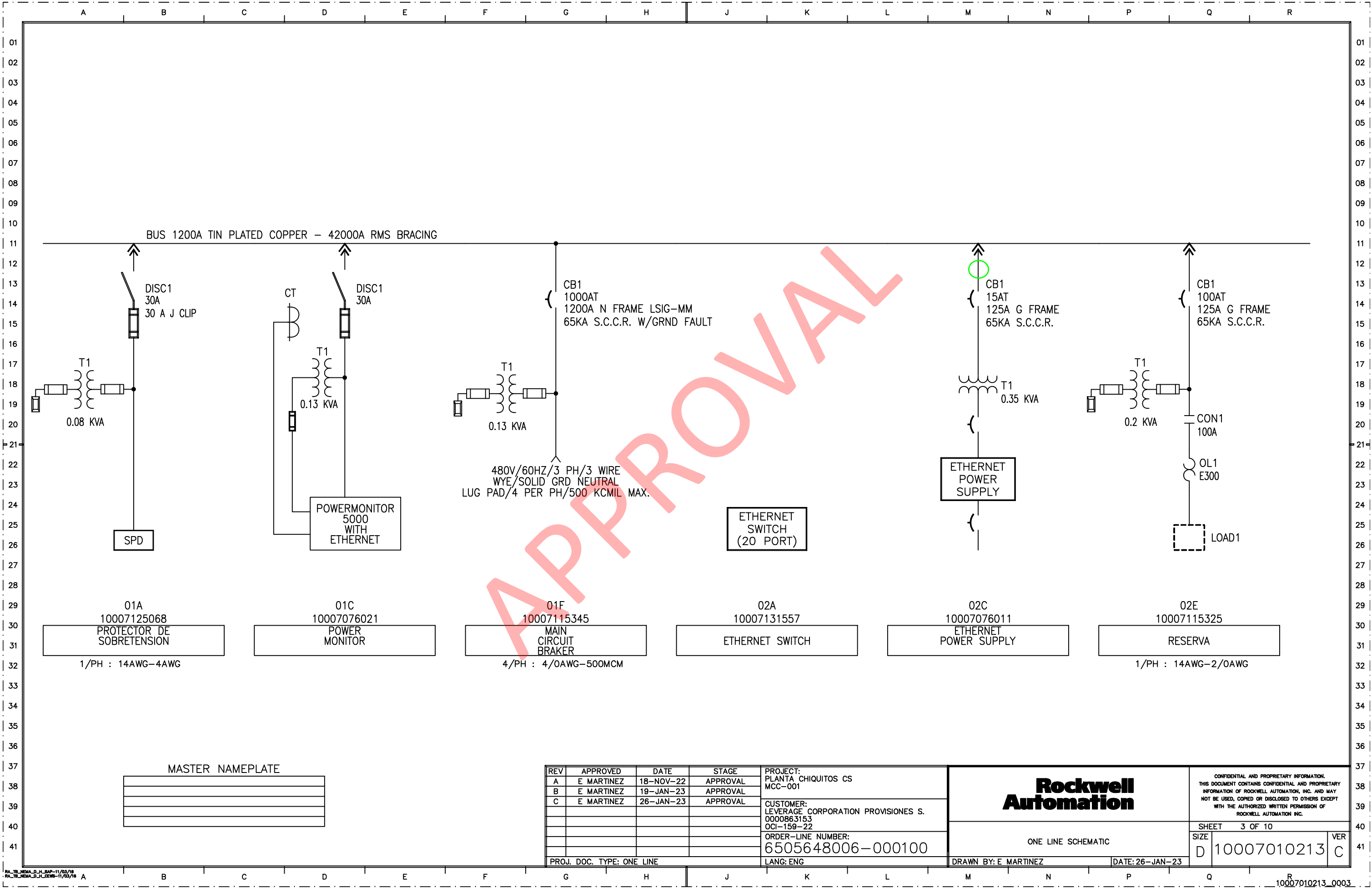
SHEET 2 OF 10

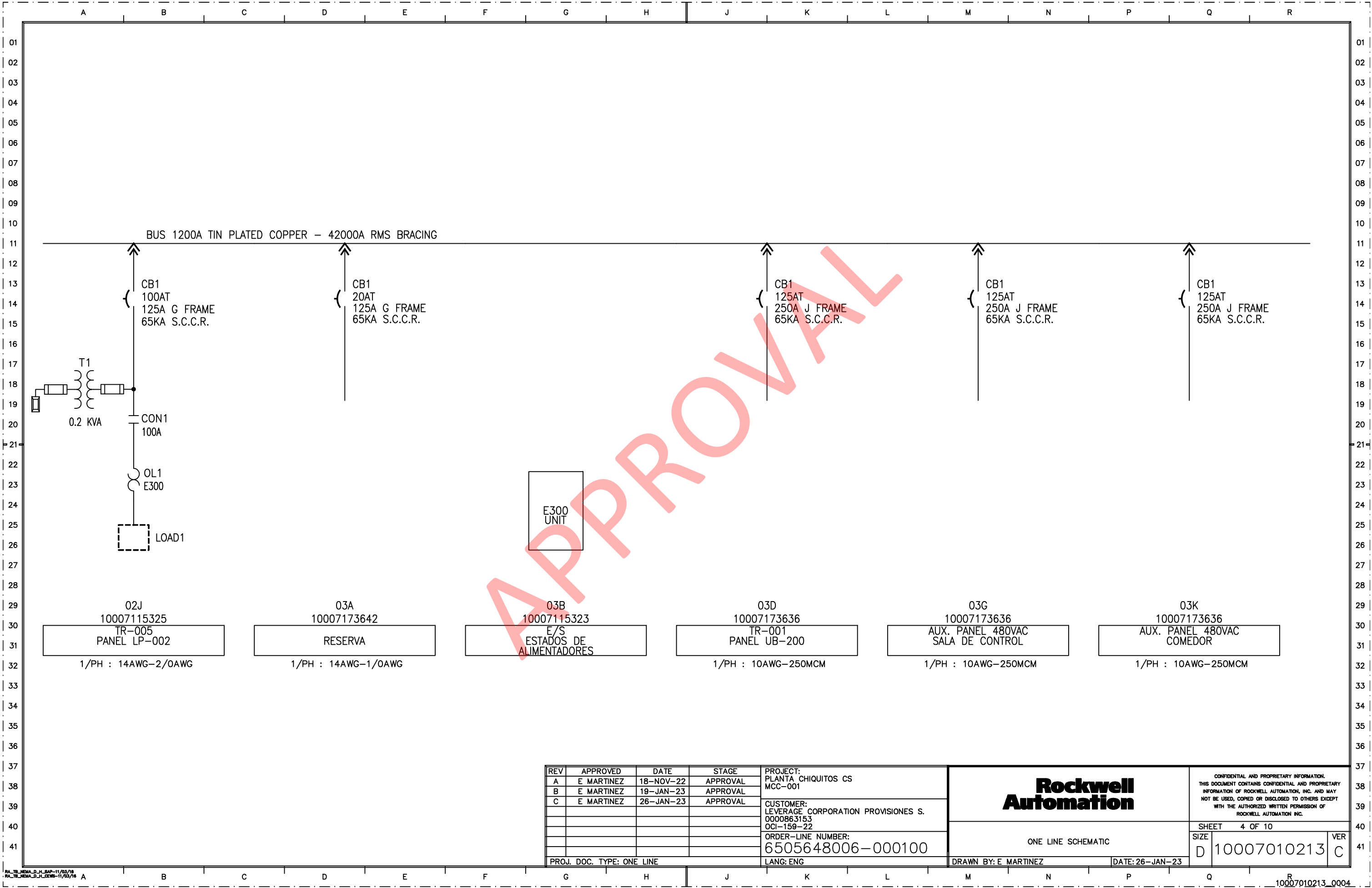
SPECIFICATIONS SHEET

SIZE	10007010213	VER
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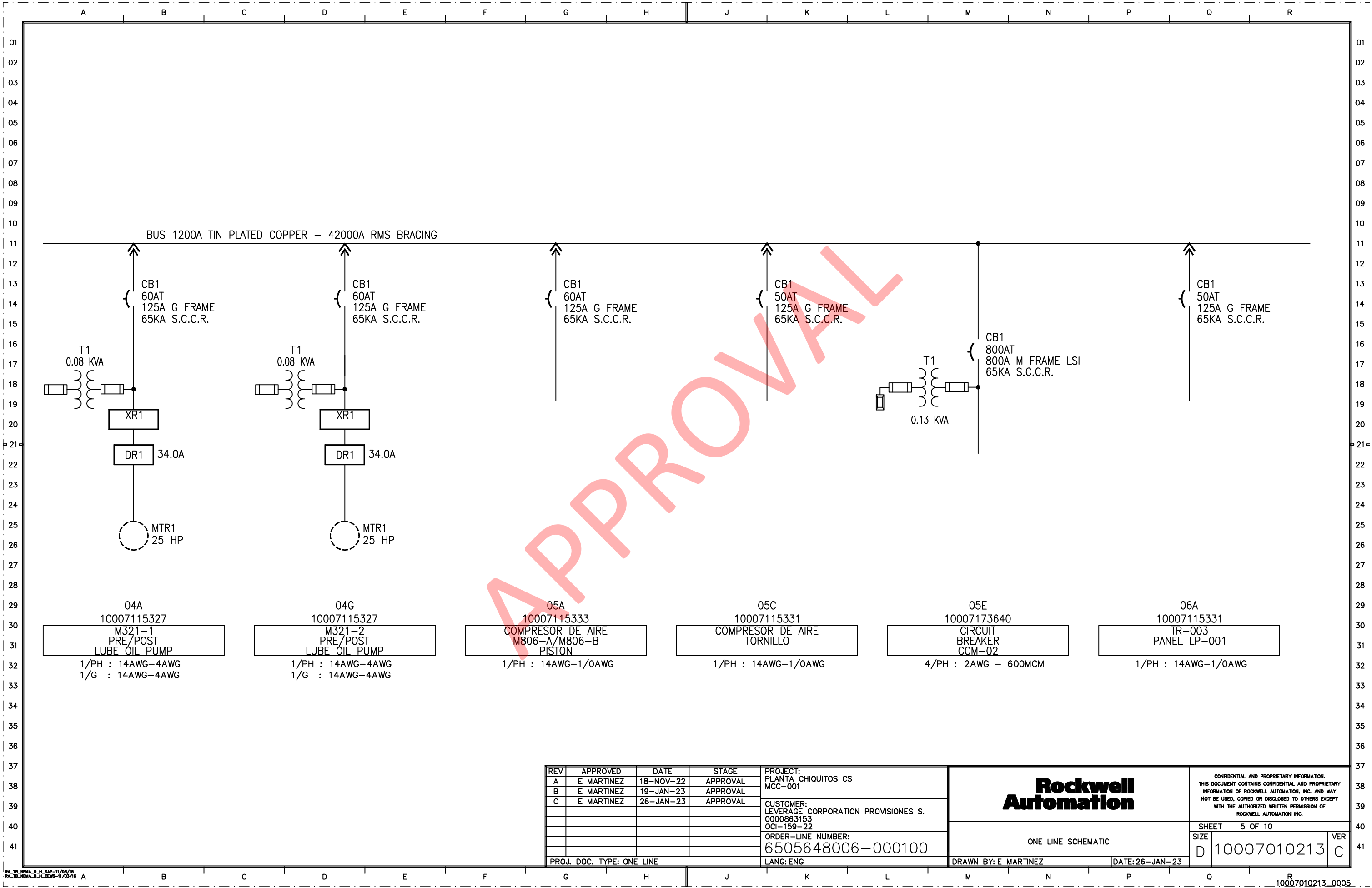
DRAWN BY: E MARTINEZ

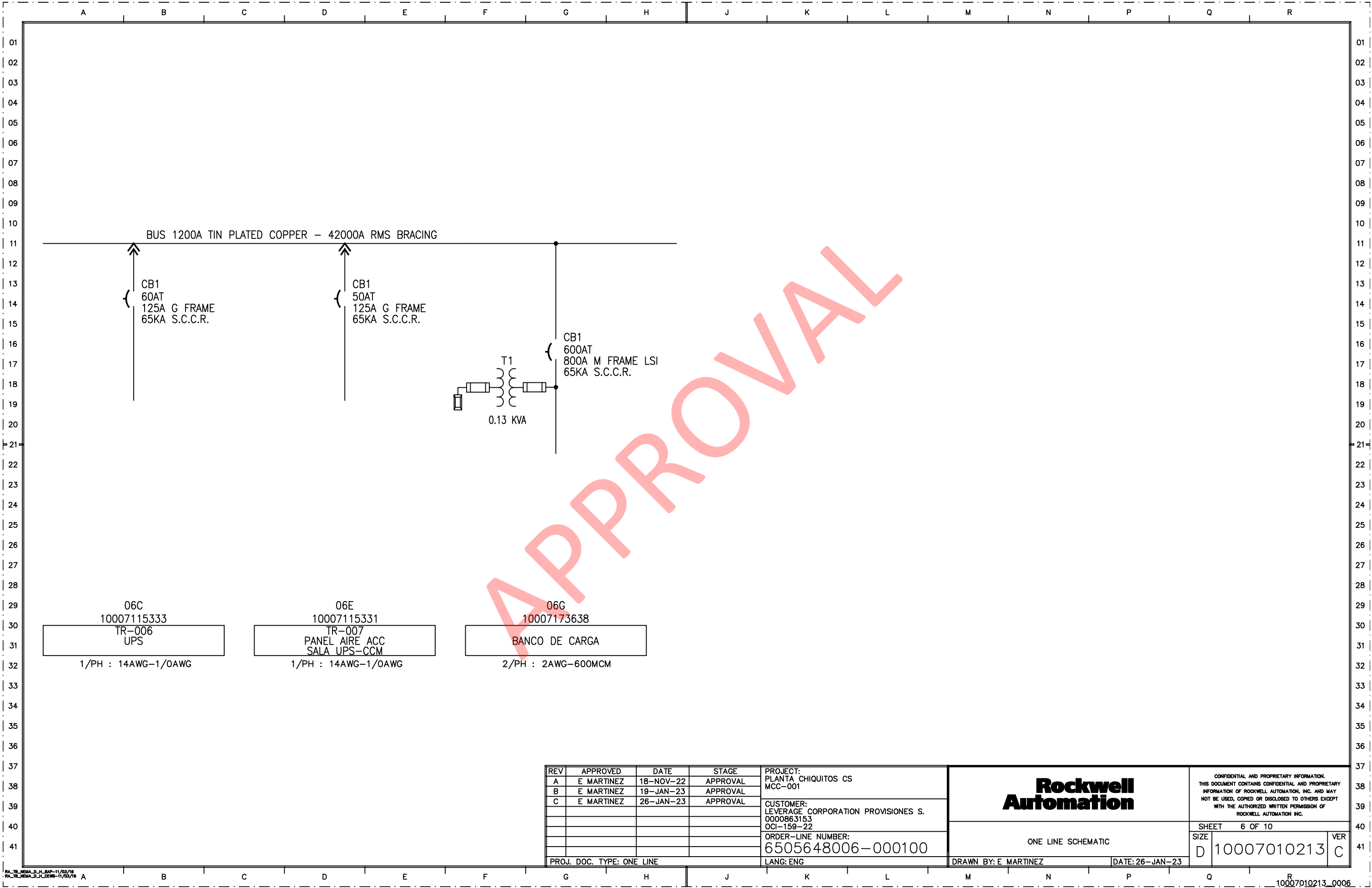
DATE: 26-JAN-23
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REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>			CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION INC.		
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS MCC-001						
B	E MARTINEZ	19-JAN-23	APPROVAL							
C	E MARTINEZ	26-JAN-23	APPROVAL							
				CUSTOMER:	ONE LINE SCHEMATIC			SHEET 4 OF 10		
				LEVERAGE CORPORATION PROVISIONES S.						
				0000863153						
				OCI-159-22	DRAWN BY: E MARTINEZ			DATE: 26-JAN-23		
				ORDER-LINE NUMBER:						
				6505648006-000100	SIZE D			10007010213		
				LANG: ENG						
PROJ. DOC. TYPE: ONE LINE								VER C		





REV	APPROVED	DATE	STAGE	PROJECT: PLANTA CHIQUITOS CS MCC-001	<div>Rockwell Automation</div>	CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION INC.	
A	E MARTINEZ	18-NOV-22	APPROVAL			SHEET 6 OF 10	
B	E MARTINEZ	19-JAN-23	APPROVAL	CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22	ONE LINE SCHEMATIC	SIZE	VER
C	E MARTINEZ	26-JAN-23	APPROVAL	ORDER-LINE NUMBER: 6505648006-000100		D 10007010213	C
PROJ. DOC. TYPE: ONE LINE				LANG: ENG	DRAWN BY: E MARTINEZ	DATE: 26-JAN-23	

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Ethernet Power Supply								
ENET PS Loc	ENET PS Cat #	2-Branch Redundant Unit Loc (1)	2-Branch Redundant Cat # (1)	Max Amp (A)	Left Branch Sections	Left Branch Total Current (A)	Right Branch Sections	Right Branch Total Current (A)
02C	2100-EPS8KBH-30TGM-79GD-79U-112A-751HS-751M			8.00	1 - 2	1.00	3 - 6	0.00

(1)

Column is left blank when the 2-branch redundant unit is not utilized.

(2)

Customer connection is made to terminal blocks in the corresponding 2-Branch Redundant Unit.

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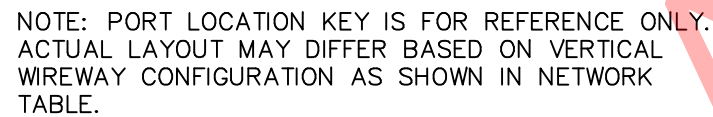
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A	E MARTINEZ	18-NOV-22	APPROVAL	
B	E MARTINEZ	19-JAN-23	APPROVAL	
C	E MARTINEZ	26-JAN-23	APPROVAL	
				CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22
				ORDER-LINE NUMBER: 6505648006-000100
PROJ. DOC. TYPE: POWER SUPPLIES				LANG: ENG

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ETHERNET POWER SUPPLIES		SHEET 7 OF 10	
SIZE D	10007010213	VER C	
DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	

Ethernet Switch														Switch-to-Adapter Ethernet Cable (1)				Manufacturing Code (2)	Device Ethernet Cable		Device				
Switch Data		Port (3)	Adapter Section Loc.	Adapter Port Loc.	Label	Length (m)	Label	Length (m)	Unit Loc.	Type	IP Address	Subnet Mask	Current Draw (A)												
Uplink ID: 01 Switch Section: 2 Switch Location: Unit 02A Catalog Number: 1783-BMS20CL IP Address: 192.168.1.3 Subnet Mask: 255.255.255.0 Current Draw (A) 1.00	1					22T	SG02A-R01-EH-01C-01-2.5-A	2.5	01C	PM5000	192.168.1.1	255.255.255.0	0.00												
	2					22T	SG02A-R02-EH-01C-02-2.5-S	2.5	01C	PM5000	192.168.1.2	255.255.255.0	0.00												
	3					62T	SG02A-R03-EH-04A-01-3.5-S	3.5	04A	PowerFlex755	192.168.1.4	255.255.255.0	0.00												
	4					62T	SG02A-R04-EH-04G-01-4.5-S	4.5	04G	PowerFlex755	192.168.1.5	255.255.255.0	0.00												
	5					22T	SG02A-R05-EH-01F-01-4.5-S	4.5	01F	E300	192.168.1.6	255.255.255.0	0.00												
	6					22T	SG02A-R06-EH-02E-01-3.0-S	3.0	02E	E300	192.168.1.7	255.255.255.0	0.00												
	7					22T	SG02A-R07-EH-02J-01-4.0-S	4.0	02J	E300	192.168.1.8	255.255.255.0	0.00												
	8					42T	SG02A-R08-EH-03B-01-2.5-S	2.5	03B	E300	192.168.1.9	255.255.255.0	0.00												
	9					82T	SG02A-R09-EH-05E-01-7.0-S	7.0	05E	E300	192.168.1.10	255.255.255.0	0.00												
	10					102T	SG02A-R10-EH-06G-01-7.0-S	7.0	06G	E300	192.168.1.11	255.255.255.0	0.00												
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	14																								
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	(1) This column group details an Ethernet cable that connects a switch port to a vertical wireway adapter. If this column group is blank, the switch port connects directly to the device utilizing the cable called out in the "Device Ethernet Cable" section.																								
(2) For Rockwell Automation Manufacturing Purposes Only																									
(3) Some Stratix 5700 Ethernet switch ports leverage gigabit Ethernet connections and are shown on the MCC network table and network diagram with a "G" located before the switch port number. Consult the Stratix 5700 Technical Data (publication 1783-TD001) for more information on the physical Stratix 5700 port representations.																									



71" MCC	90" MCC	71" MCC
25.5" BUS HEIGHT		45" BUS HEIGHT



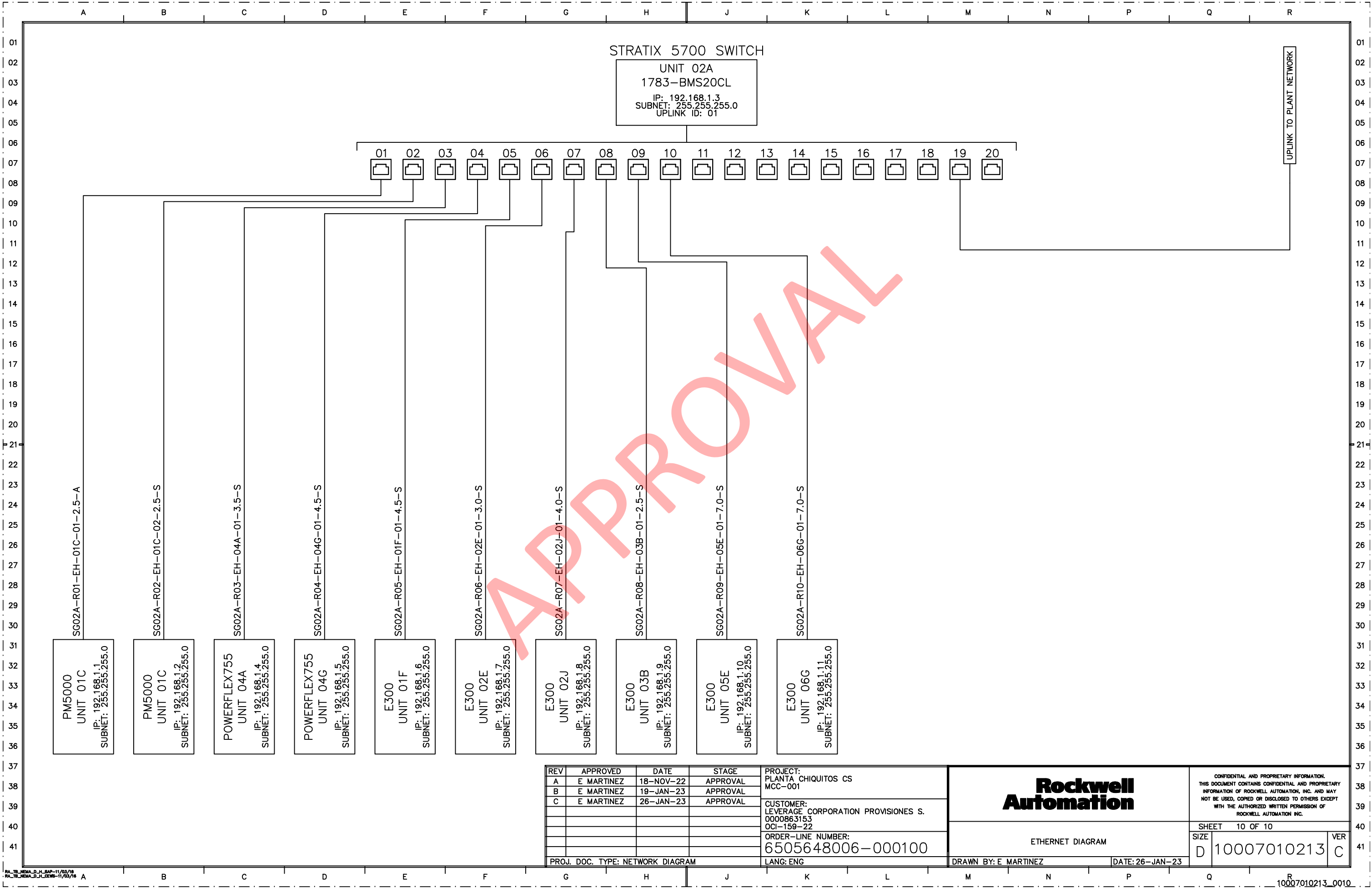
**Switch to Device Cable Label**

Location within the lineup of the Ethernet Switch Unit for a given switch group	Physical location of the switch within the unit (Left or Right) and the port number	Ethernet Cable type (Adapter, Homerun, or Patch) and Adapter Port Letter (A-H)	Location within the lineup of the connected Ethernet enabled unit. — # for cables without units.	Unit part number (for units with more than one enabled device) ## for cables without units.	Metric length of the Ethernet cable	Type of the connector at the unit end of the cable (Straight or Angled)
↓	↓	↓	↓	↓	↓	↓
(SG____)	— (____)	— (E__)	— (____)	— (__)	— (____.)	— (____)

**Switch to Switch Cable Label**

Location within the lineup of the Ethernet Switch Unit for a given switch group	Physical location of the switch within the unit (Left or Right) and the port number	Location within the lineup of the Ethernet Switch Unit for a given switch group	Physical location of the switch within the unit (Left or Right) and the port number	Metric length of the Ethernet cable	Type of the connector at the unit end of the cable (Straight or Angled)
↓	↓	↓	↓	↓	↓
(SG____)	— (____)	— (SG____)	— (____)	— (____.)	— (____)

[illegible]



REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: NETWORK DIAGRAM			

PROJECT: PLANTA CHIQUITOS CS MCC-001
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22
ORDER-LINE NUMBER: 6505648006-000100
LANG: ENG

<b>Rockwell Automation</b>	SHEET 10 OF 10	
	SIZE D	VER C
ETHERNET DIAGRAM		10007010213
DRAWN BY: E MARTINEZ		DATE: 26-JAN-23

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ROCKWELL AUTOMATION INC.

Rockwell  
Automation  
CENTERLINE 2100  
MOTOR CONTROL CENTER

PROJECT: PLANTA CHIQUITOS CS  
MCC: MCC-002

REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>		
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS			
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002			
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:			
				LEVERAGE CORPORATION PROVISIONES S.	<div>ONE LINE COVER SHEET</div>		
				0000863153			
				OCI-159-22			
				ORDER-LINE NUMBER:			
				6505648006-000300	<div>10007010242</div>		
				LANG: ENG			
PROJ. DOC. TYPE: COVER SHEET				DRAWN BY: E MARTINEZ	DATE: 26-JAN-23		VER
							C

## MOTOR CONTROL CENTER STRUCTURE SPECIFICATIONS

## ENCLOSURE DATA

NEMA TYPE 1G ENCLOSURES  
90" [2286] ENCLOSURE HEIGHT  
20" [508] ENCLOSURE DEPTH  
FRONT MOUNTED ENCLOSURE STYLE  
ANSI 49 ENCLOSURE FINISH  
TOTAL NUMBER OF SECTIONS 10  
TOTAL NUMBER OF SHIPPING BLOCKS 4  
MAIN INCOMING LUG COMPARTMENT

INCOMING POWER SYSTEM

WYE/3 PH/3 WIRE W/SOLID GRD NEUT POWER SYSTEM

480V POWER SYSTEM LINE VOLTAGE  
60HZ POWER SYSTEM LINE FREQUENCY

CUSTOMER INCOMING CABLES ENTRY: BOTTOM

## POWER BUS

800A HORIZONTAL POWER BUS  
HORIZONTAL POWER BUS MATERIAL IS COPPER  
TIN HORIZONTAL POWER BUS PLATING  
42000A RMS HORIZONTAL POWER BUS BRACING

VERTICAL POWER BUS MATERIAL IS TIN PLATED COPPER  
AUTOMATIC SHUTTER VERTICAL BUS OPENING PROTECTION

## GROUND BUS

0.25" X 1" [6.4] X [25.4] HORIZONTAL GROUND BUS  
HORIZONTAL GROUND BUS IS UNPLATED COPPER  
GROUND BUS LOCATED IN BOTTOM HORIZONTAL WIREWAY  
VERTICAL GROUND BUS: PLUG-IN (CU)

EQUIPMENT GROUND LUG SIZE: #6AWG - 250 KCMIL  
INCOMING GROUND CABLES: 1

## NEUTRAL BUS

NONE REQUESTED

### ONE-LINE LEGEND

UNIT LOCATION: 01A  
SCHEMATIC/DIAGRAM: 1000XXXXXX

UNIT NAMEPLATE

CUSTOMER LOAD WIRE SIZE RANGE  
GND/NEUT. WIRE SIZE RANGE

## MOTOR CONTROL CENTER STRUCTURE SPECIFICATIONS

## NEUTRAL CONNECTION PLATES IN HORIZONTAL WIREWAY

NONE REQUESTED

## STANDARD 300A VERTICAL POWER BUS CABINET(S)

02, 03, 04, 05, 06, 07, 08, 09

## 600A VERTICAL POWER BUS CABINET(S)

01, 10

## HORIZONTAL NEUTRAL BUS CABINET(S)

NONE REQUESTED

VERTICAL NEUTRAL BUS CABINET(S)

NONE REQUESTED

PULLBOX REQUIRED ON CABINET(S)

NONE REQUESTED

## MOTOR CONTROL CENTER STRUCTURE SPECIFICATIONS

## ENCLOSURE OPTIONS REQUESTED

MASTER NAMEPLATE REQUIRED WITH 3 LINES OF TEXT

## VERTICAL WIREWAY TIE-BARS

SPACE HEATER VOLTAGE: 120V  
SPACE HEATER THERMOSTAT: 1 PER SECTION

EXPORT PACKAGING REQUIRED

ArcSHIELD, ARC RESISTANT MCC  
 DEVICE LIMITED NOTE:  
 THIS MCC PROVIDES TYPE 2 ACCESSIBILITY PER IEEE C37.20.7  
 WHEN AVAILABLE SHORT CIRCUIT CURRENT  $\leq 65\text{kA}$  AND  
 PROTECTED BY ONE OF THE FOLLOWING DEVICES:  
UL LISTED FUSES  
 CLASS L -ANY FUSE  $\leq 1200\text{ A}$   
 CLASS R -ANY FUSE  $\leq 600\text{ A}$   
 CLASS J -ANY FUSE  $\leq 600\text{ A}$   
UL LISTED MOLDED CASE CIRCUIT BREAKERS  
 ALLEN-BRADLEY -BULLETIN 140G, FRAME G, H, J, K, M, or N


## MOTOR CONTROL CENTER COMMON UNIT OPTIONS

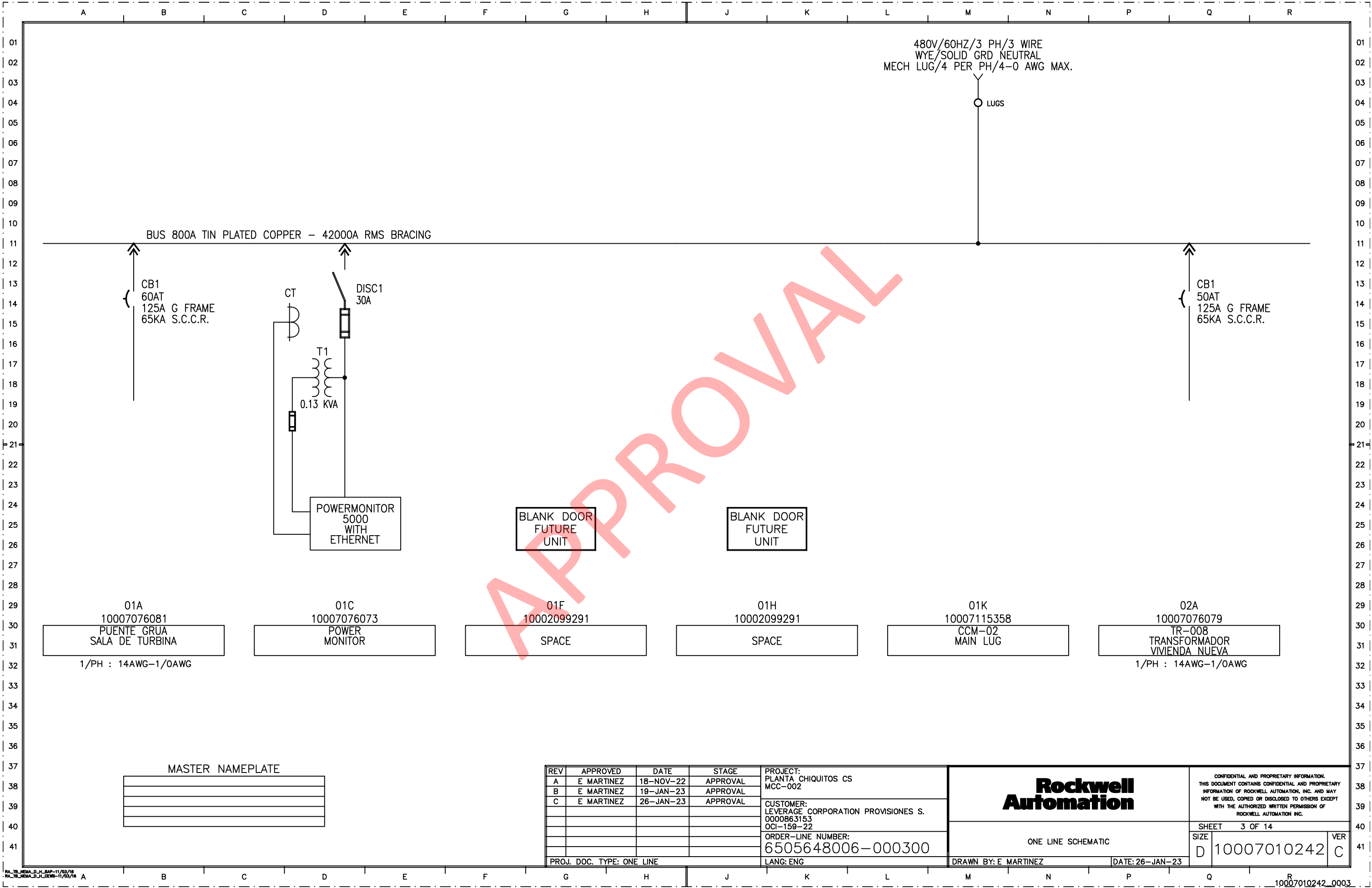
ACRYLIC STYLE UNIT NAMEPLATES  
BLACK LETTERS ON WHITE UNIT NAMEPLATE COLOR  
3 - LINES OF INFORMATION PER UNIT NAMEPLATE

IP ADDRESSES NOT PROVIDED ON NAMEPLATES  
EXTERNAL OVERLOAD RESET BUTTONS  
UNIT DIAGRAM LOCATION: WITHIN EACH UNIT

## NETWORK INFORMATION

NETWORK TYPE: ETHERNET/IP

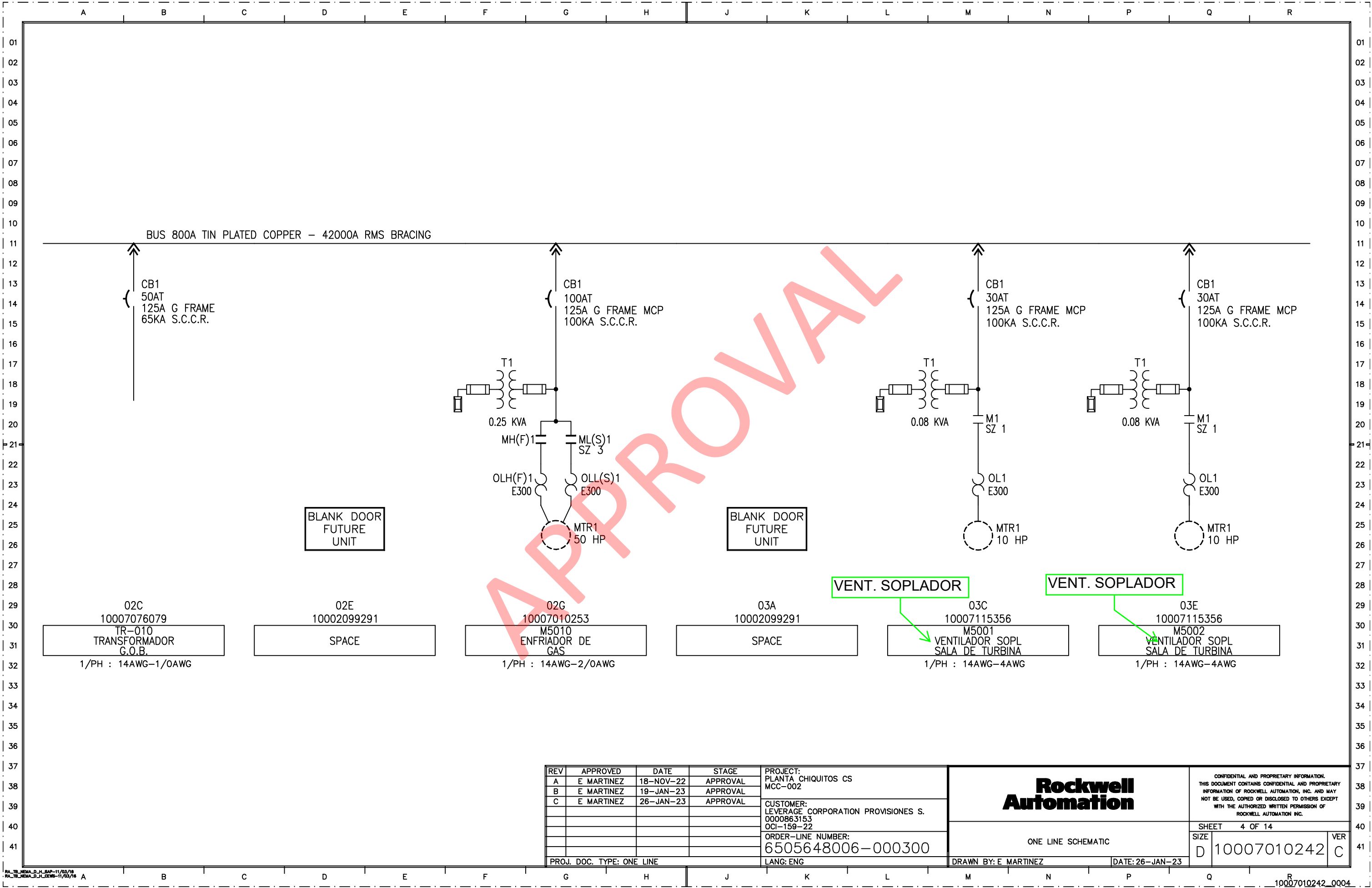
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A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS				
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002				
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:				
				LEVERAGE CORPORATION PROVISIONES S.	SPECIFICATIONS SHEET	SHEET 2 OF 14  SIZE 10007010242 VER C		
				0000863153				
				OCI-159-22				
				ORDER-LINE NUMBER:				
				6505648006-000300	DRAWN BY: E MARTINEZ	DATE: 26-JAN-23		
PROJ. DOC. TYPE: SPECIFICATIONS SHEET				LANG: ENG				



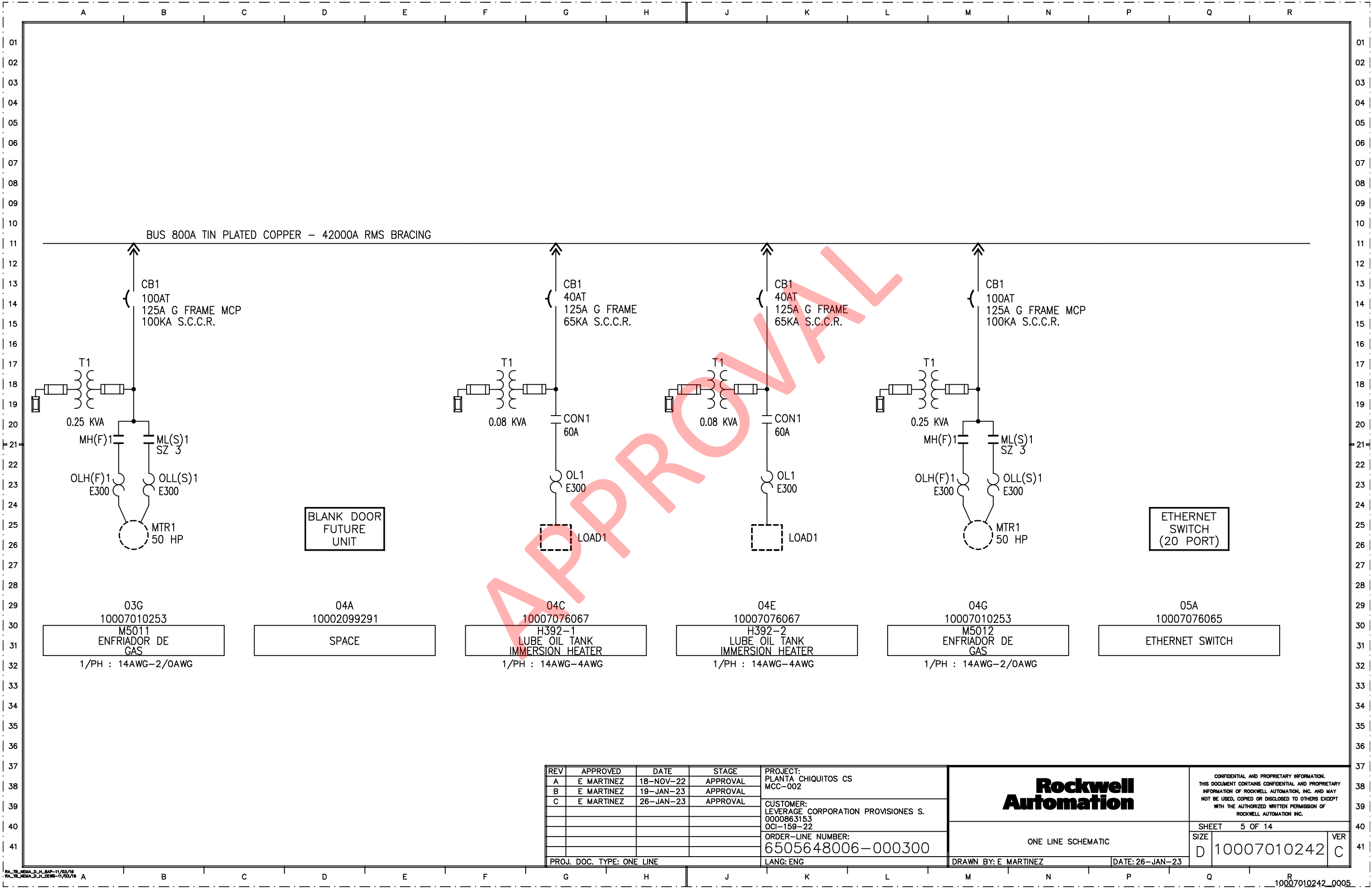
MASTER NAMEPLATE			

REV	APPROVED	DATE	STAGE	PROJECT:
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:
				LEVERAGE CORPORATION PROVISIONES S.
				0000863153
				OCI-159-22
				ORDER-LINE NUMBER:
				6505648006-000300
PROJ. DOC. TYPE: ONE LINE				LANG: ENG

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ONE LINE SCHEMATIC		SHEET 3 OF 14	
		SIZE D	10007010242
DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	VER C



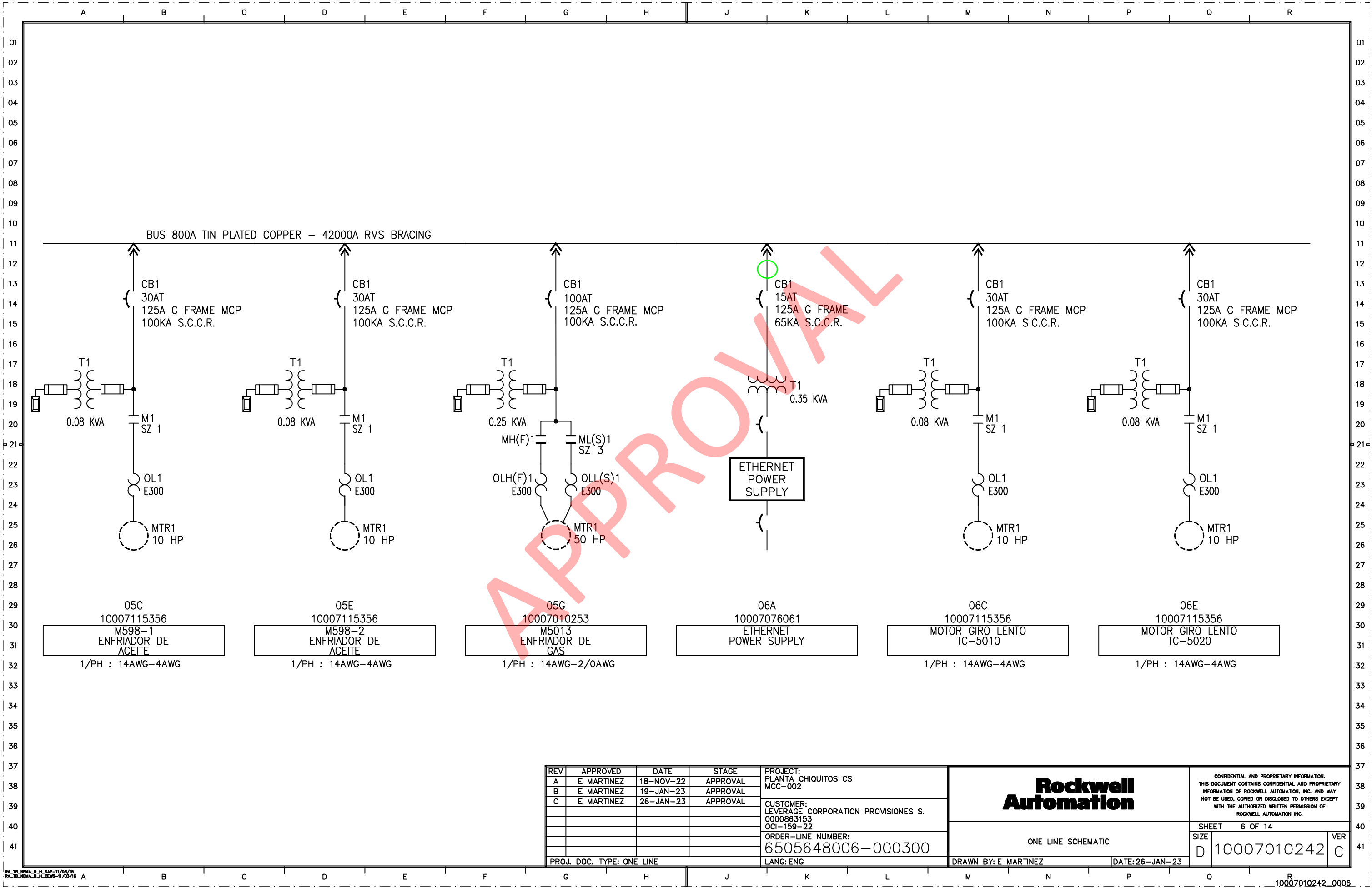
REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>		CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION INC.	
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS MCC-002				
B	E MARTINEZ	19-JAN-23	APPROVAL	CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22	ONE LINE SCHEMATIC		SHEET 4 OF 14	SIZE
C	E MARTINEZ	26-JAN-23	APPROVAL					
				ORDER-LINE NUMBER: 6505648006-000300	DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	VER
				LANG: ENG				
PROJ. DOC. TYPE: ONE LINE							D 10007010242	C



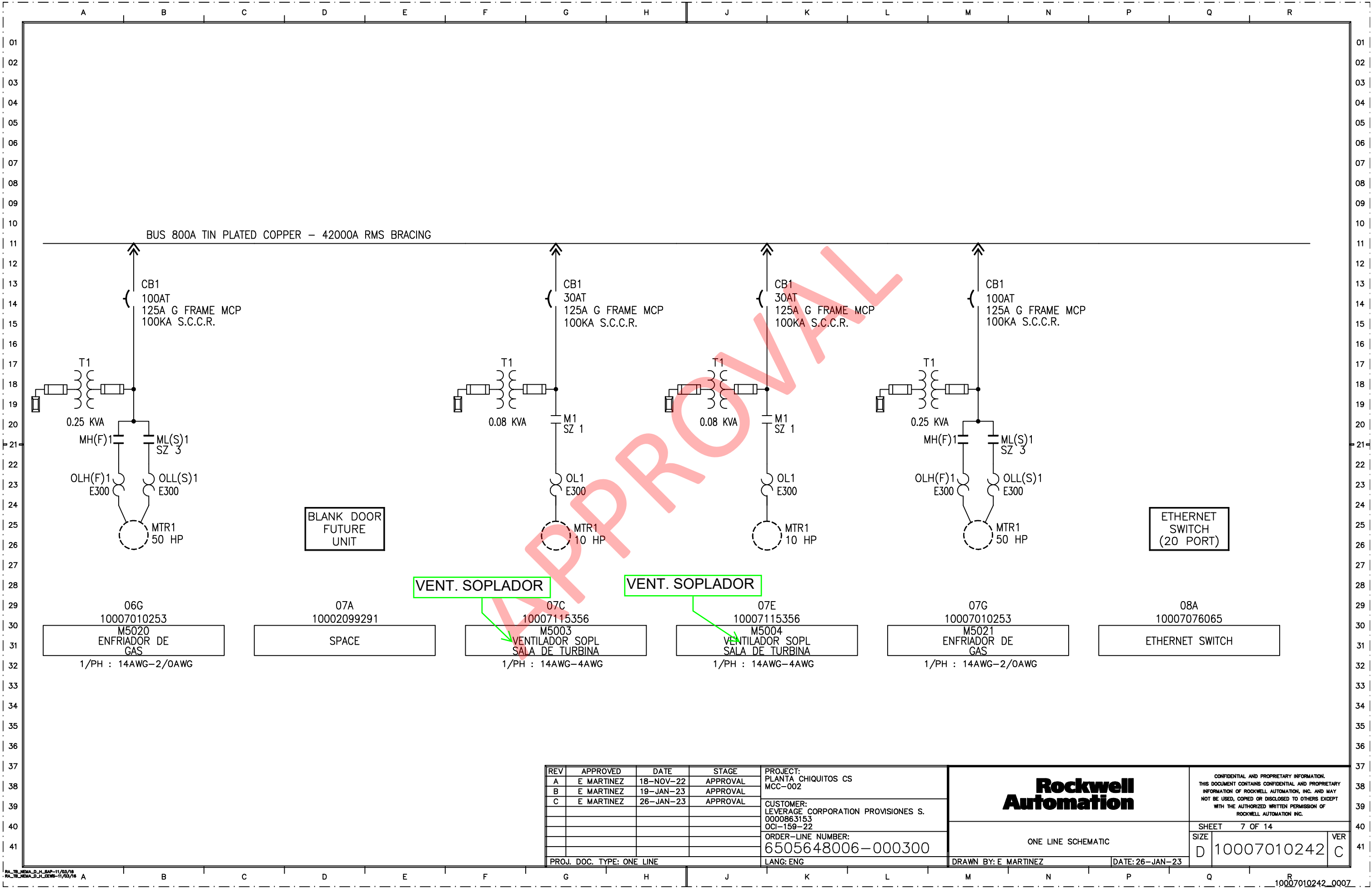
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A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002
C	E MARTINEZ	26-JAN-23	APPROVAL	
				CUSTOMER:
				LEVERAGE CORPORATION PROVISIONES S.
				0000863153
				OCI-159-22
				ORDER-LINE NUMBER:
				6505648006-000300
				LANG: ENG
PROJ. DOC. TYPE: ONE LINE				

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ONE LINE SCHEMATIC		SHEET 5 OF 14	
SIZE D	10007010242	VER C	
DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	

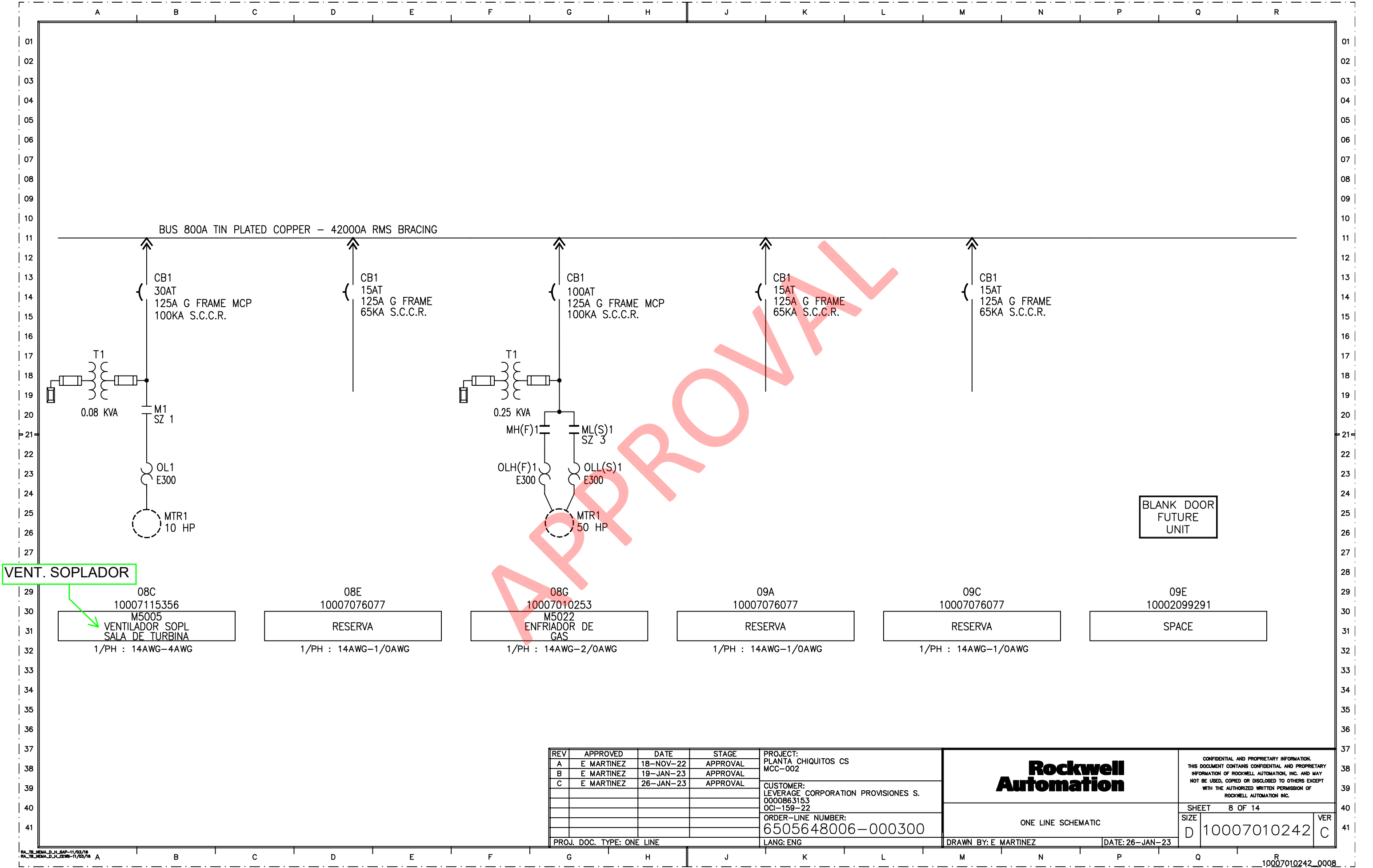


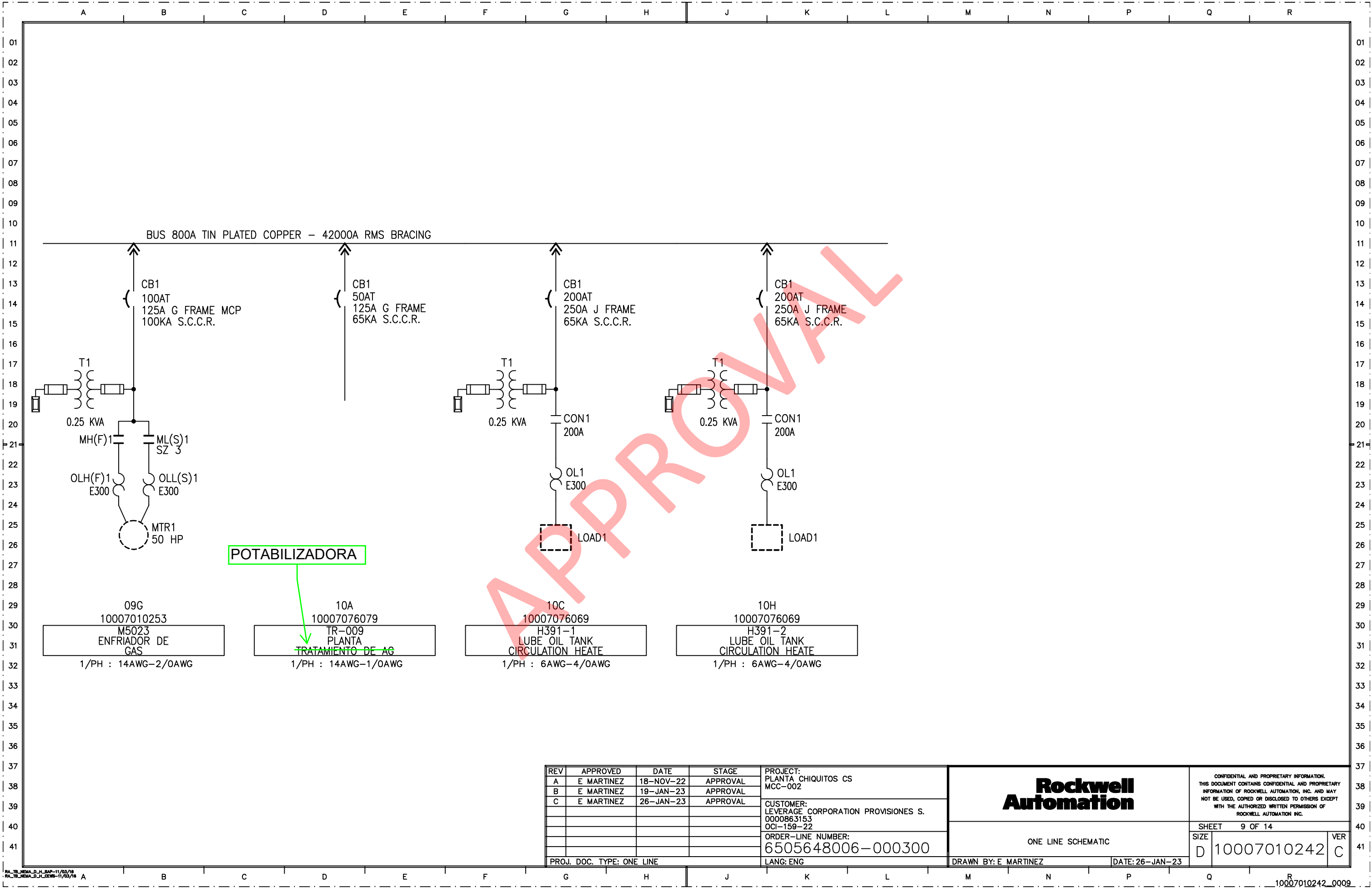






REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>	CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION INC.
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B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002		
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22		
				ORDER-LINE NUMBER: 6505648006-000300	ONE LINE SCHEMATIC	SHEET 7 OF 14
				LANG: ENG		
PROJ. DOC. TYPE: ONE LINE				DRAWN BY: E MARTINEZ	DATE: 26-JAN-23	SIZE D 10007010242 VER C





REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>	CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION INC.
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B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002		
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:	ONE LINE SCHEMATIC	SHEET 9 OF 14
				LEVERAGE CORPORATION PROVISIONES S.		
				0000863153	SIZE D	10007010242
				OCI-159-22		
				ORDER-LINE NUMBER:	DRAWN BY: E MARTINEZ	VER C
				6505648006-000300		
PROJ. DOC. TYPE: ONE LINE				LANG: ENG	DATE: 26-JAN-23	10007010242_0009

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A B C D E F G H J K L M N P Q R

Ethernet Power Supply								
ENET PS Loc	ENET PS Cat #	2-Branch Redundant Unit Loc (1)	2-Branch Redundant Cat # (1)	Max Amp (A)	Left Branch Sections	Left Branch Total Current (A)	Right Branch Sections	Right Branch Total Current (A)
06A	2100-EPS8KBH-30TGM-79GD-79U-112A-751HS-751M			8.00	1 – 6	1.00	7 – 10	1.00

(1)

Column is left blank when the 2-branch redundant unit is not utilized.

(2)

Customer connection is made to terminal blocks in the corresponding 2-Branch Redundant Unit.

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A B C D E F G H J K L M N P Q R

REV	APPROVED	DATE	STAGE	PROJECT:
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:
				LEVERAGE CORPORATION PROVISIONES S.
				0000863153
				OCI-159-22
				ORDER-LINE NUMBER:
				6505648006-000300
				LANG: ENG
				PROJ. DOC. TYPE: POWER SUPPLIES

Rockwell Automation

ETHERNET POWER SUPPLIES

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SHEET 10 OF 14

SIZE D

10007010242

VER C

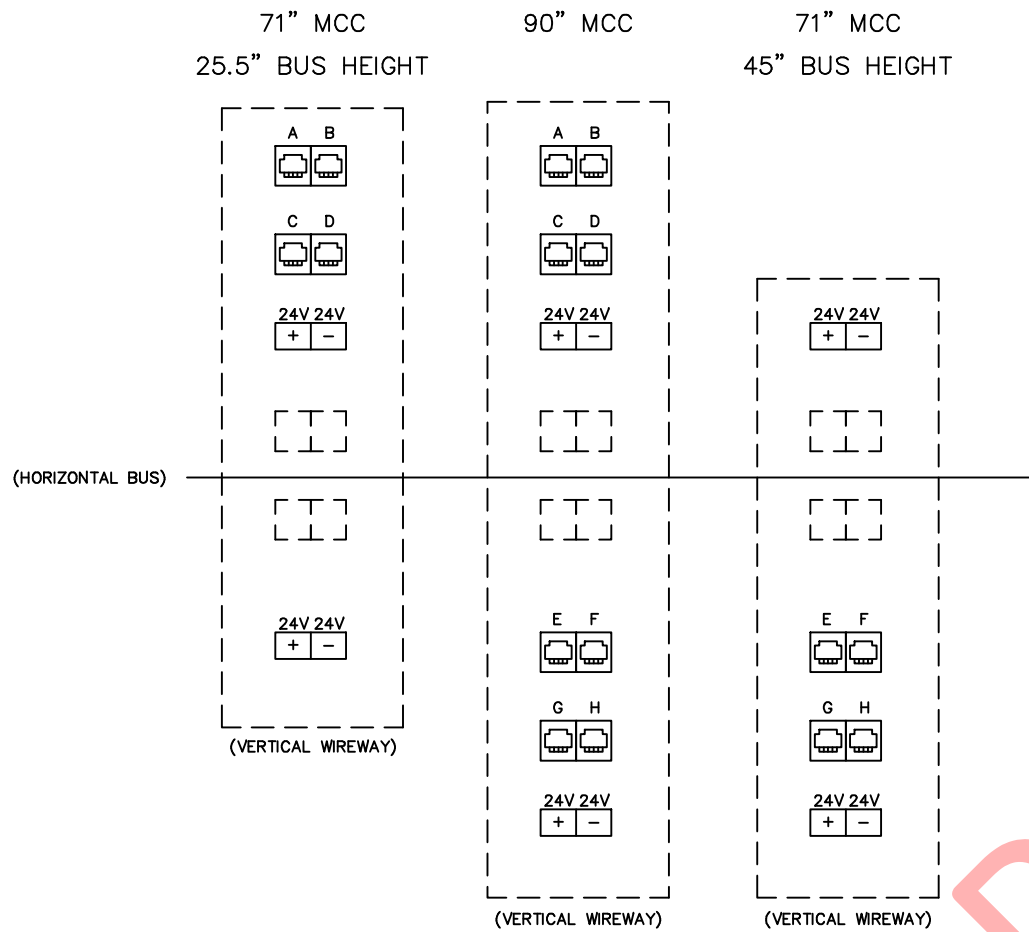
DRAWN BY: E MARTINEZ

DATE: 26-JAN-23

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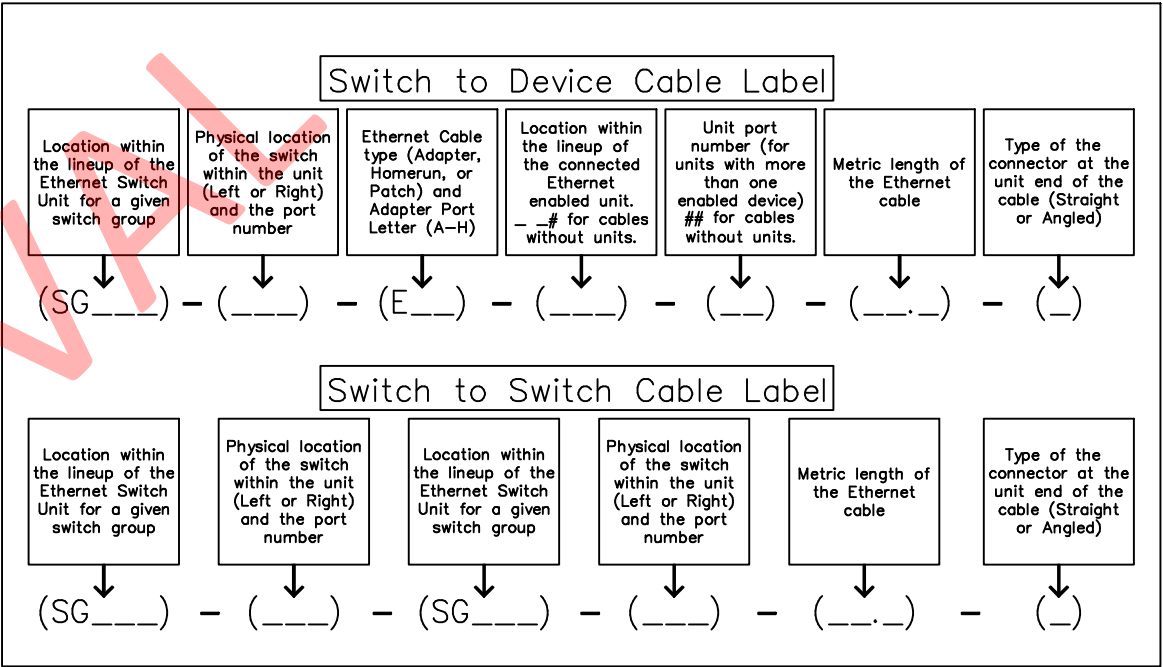
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VERTICAL WIREWAY ADAPTER PLACEMENT KEY

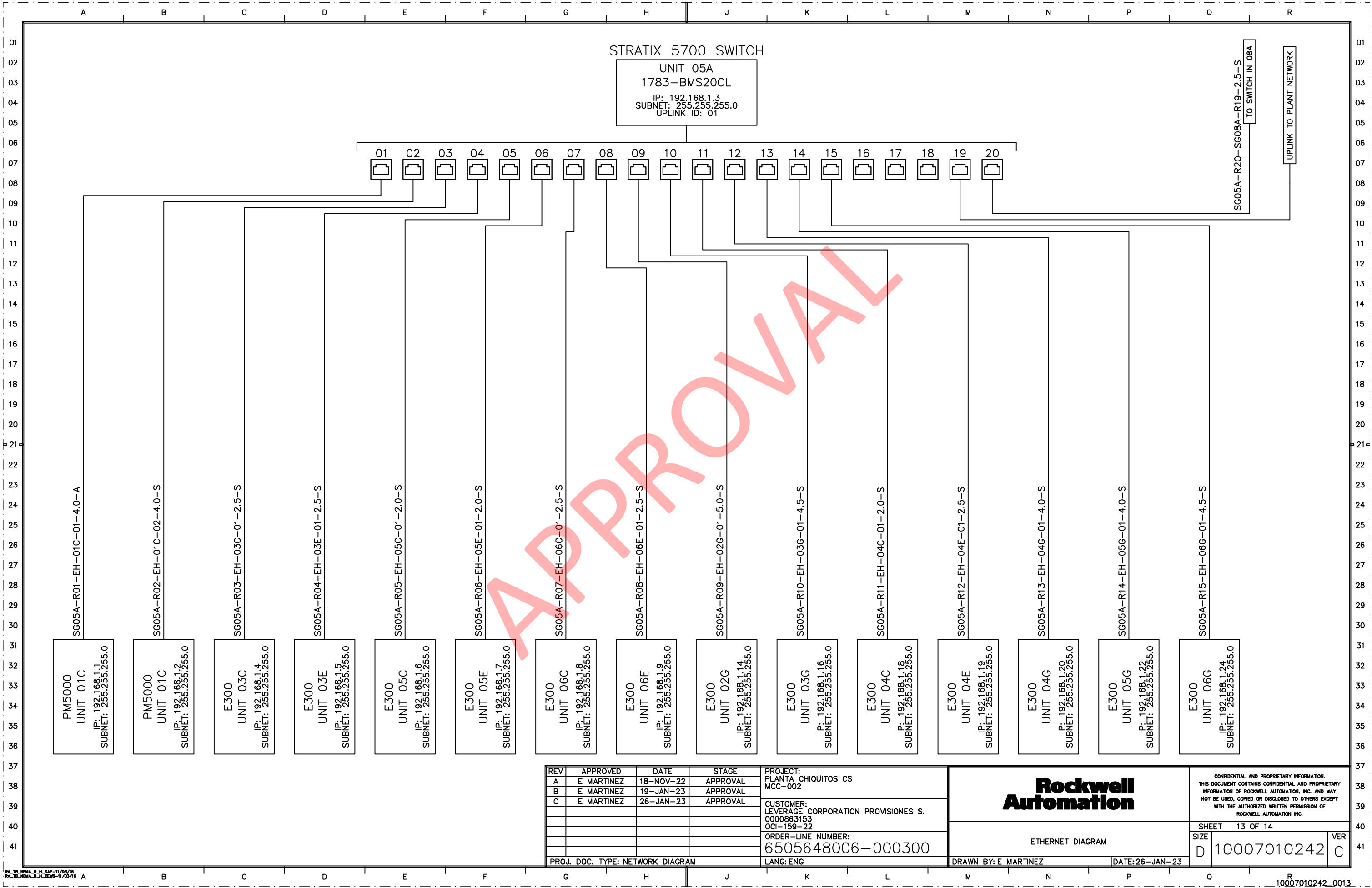


NOTE: PORT LOCATION KEY IS FOR REFERENCE ONLY.  
ACTUAL LAYOUT MAY DIFFER BASED ON VERTICAL  
WIREWAY CONFIGURATION AS SHOWN IN NETWORK  
TABLE.

CABLE LABEL LEGEND



REV	APPROVED	DATE	STAGE	PROJECT:	<div>Rockwell Automation</div>		CONFIDENTIAL AND PROPRIETARY INFORMATION. THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION INC.		
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS					
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002					
C	E MARTINEZ	26-JAN-23	APPROVAL	CUSTOMER:					
				LEVERAGE CORPORATION PROVISIONES S.	ETHERNET REFERENCE PAGE		SHEET 12 OF 14		
				0000863153					
				OCI-159-22					
				ORDER-LINE NUMBER:					
				6505648006-000300			SIZE	10007010242	VER
							D		
PROJ. DOC. TYPE: ETHERNET REFERENCE PAGE				LANG: ENG	DRAWN BY: E MARTINEZ		DATE: 26-JAN-23		



REV	APPROVED	DATE	STAGE	PROJECT:
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002
C	E MARTINEZ	26-JAN-23	APPROVAL	
				CUSTOMER:
				LEVERAGE CORPORATION PROVISIONES S.
				0000863153
				OCI-159-22
				ORDER-LINE NUMBER:
				6505648006-000300
PROJ. DOC. TYPE: NETWORK DIAGRAM				LANG: ENG

ETHERNET DIAGRAM

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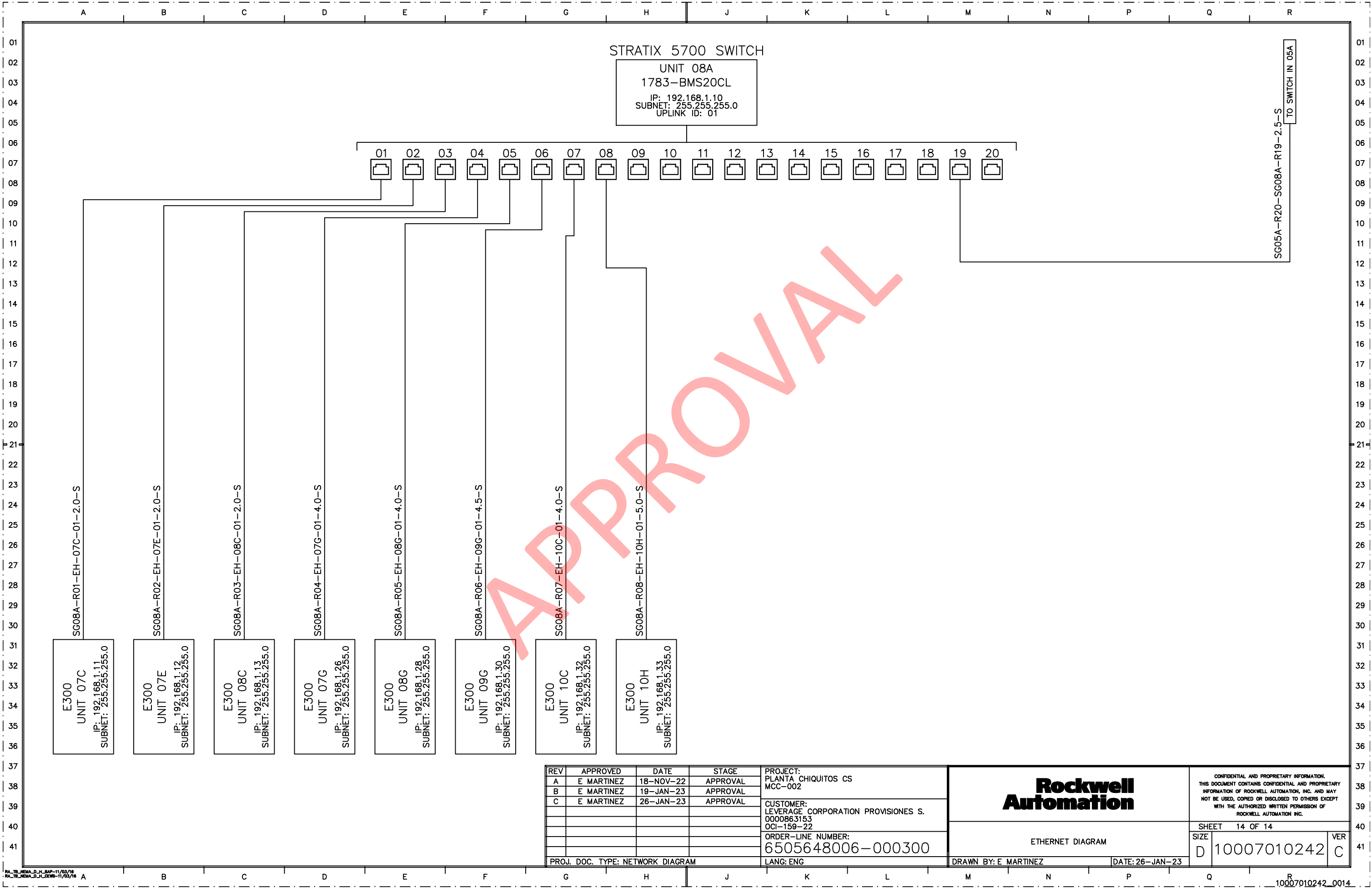
SHEET 13 OF 14

SIZE D 10007010242 VER C

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23





REV	APPROVED	DATE	STAGE	PROJECT:
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-002
C	E MARTINEZ	26-JAN-23	APPROVAL	
				CUSTOMER:
				LEVERAGE CORPORATION PROVISIONES S.
				0000863153
				OCI-159-22
				ORDER-LINE NUMBER:
				6505648006-000300
				LANG: ENG
PROJ. DOC. TYPE: NETWORK DIAGRAM				

**Rockwell Automation**

ETHERNET DIAGRAM

DRAWN BY: E MARTINEZ

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SHEET 14 OF 14

SIZE D 10007010242 VER C

DATE: 26-JAN-23



# Firmware

**Rockwell Automation Order Number:**

6505648006

**Date:**

1/26/2023

# FIRMWARE REFERENCE TABLE

Order Number: 6505648006-000100  
Reference Number: 05281806-0003  
Equipment Name: MCC2100-ENG  
Business Unit: LVMCC\_2100

Customer: LEVERAGE CORPORATION PROVISIONES S.  
Project Name: PLANTA CHIQUITOS CS  
PO Number: OCI-159-22  
Date: 01/13/2023

Location	Device Type	Firmware Version	EDS Version
01C	PowerMonitor 5000	4.010	1.65
02A	1783-BMS20CL Stratix 5700	13.001	1.7
04G,04A	PowerFlex 755 no Comm Module	16.002	1.1

APPROVAL

# DEVICE PARAMETER REPORT

Device Type: PowerMonitor 5000

Location: 01C

Name	Number	Value	ENUM/UofM
------	--------	-------	-----------

Device Type: PowerFlex 755 no Comm Module

Location: 04G

Name	Number	Value	ENUM/UofM
------	--------	-------	-----------

Device Type: PowerFlex 755 no Comm Module

Location: 04A

Name	Number	Value	ENUM/UofM
------	--------	-------	-----------

FIRMWARE REFERENCE TABLE

Order Number: 6505648006-000300  
Reference Number: 05281806-0004  
Equipment Name: MCC2100-ENG  
Business Unit: LVMCC\_2100

Customer: LEVERAGE CORPORATION PROVISIONES S.  
Project Name: PLANTA CHIQUITOS CS  
PO Number: OCI-159-22  
Date: 01/25/2023

Location	Device Type	Firmware Version	EDS Version
01C	PowerMonitor 5000	4.010	1.65
02G, 03C, 03E, 03G, 04E, 04C, 04G, 05E, 05C, 05G, 06E, 06C, 06G, 07E, 07C, 07G, 08C, 08G, 09G, 10C, 10H	E300 Overload Relay	7.163	7.1
05A,08A	1783-BMS20CL Stratix 5700	13.001	1.7

# DEVICE PARAMETER REPORT

Device Type: PowerMonitor 5000

Location: 01C

Name	Number	Value	ENUM/UofM
------	--------	-------	-----------

Device Type: E300 Overload Relay

Location: 03C

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 03E

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 05E

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 05C

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal

Name	Number	Value	ENUM/UofM
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 06E

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 06C

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 07E

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 07C

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

Device Type: E300 Overload Relay

Location: 08C

Name	Number	Value	ENUM/UofM
------	--------	-------	-----------

Name	Number	Value	ENUM/UofM
InPt03Assignment	199	1	(1) TripReset
OutPt0Assignment	202	0	(0) Normal
OutPt2Assignment	204	1	(1) TripRelay

APPROVAL

# Schematics

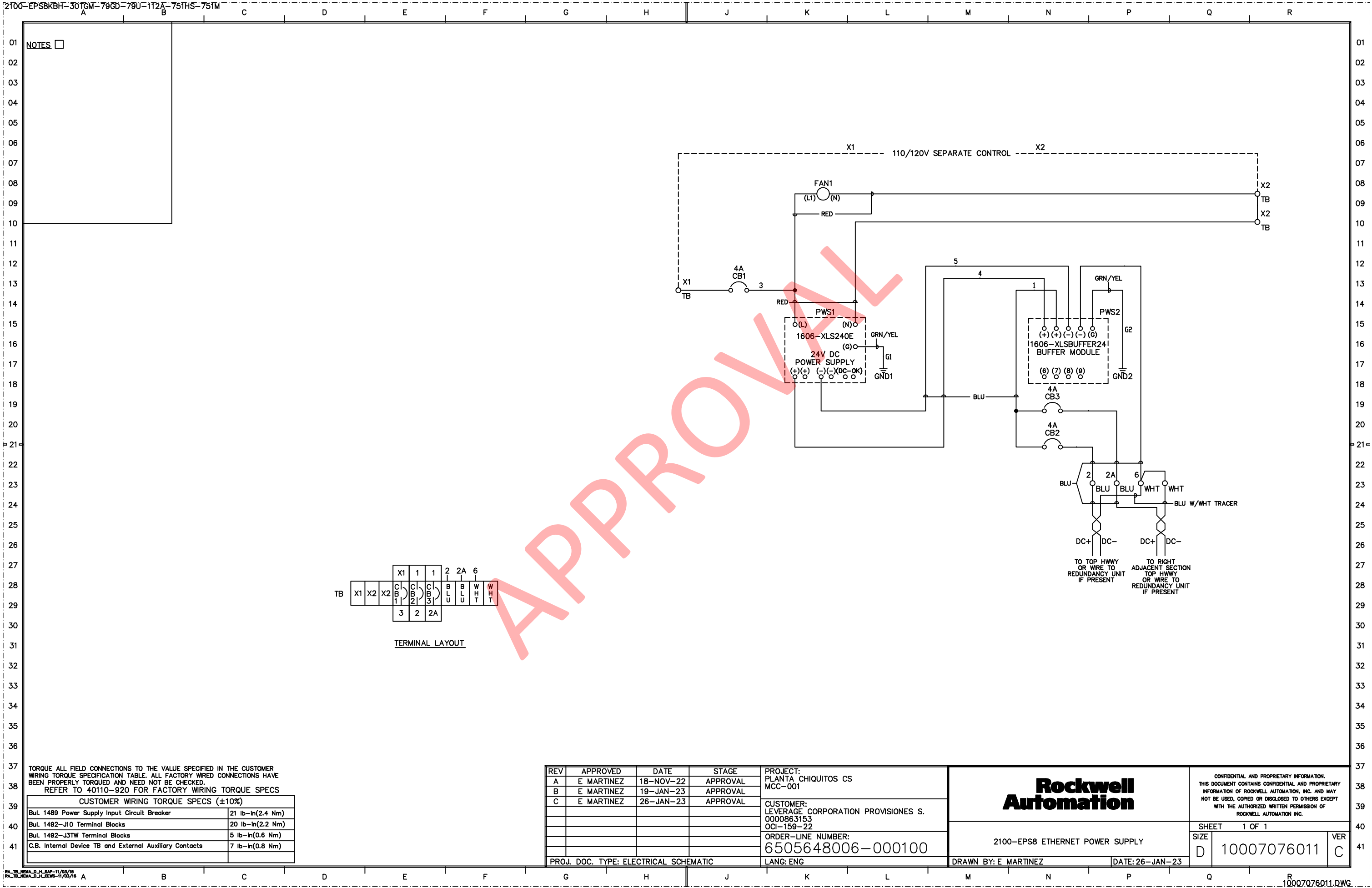
**Rockwell Automation Order Number:**

6505648006

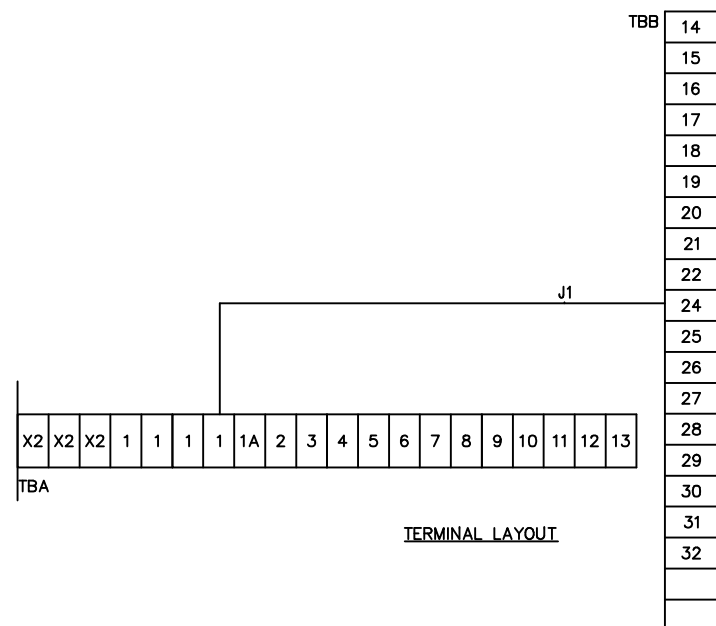
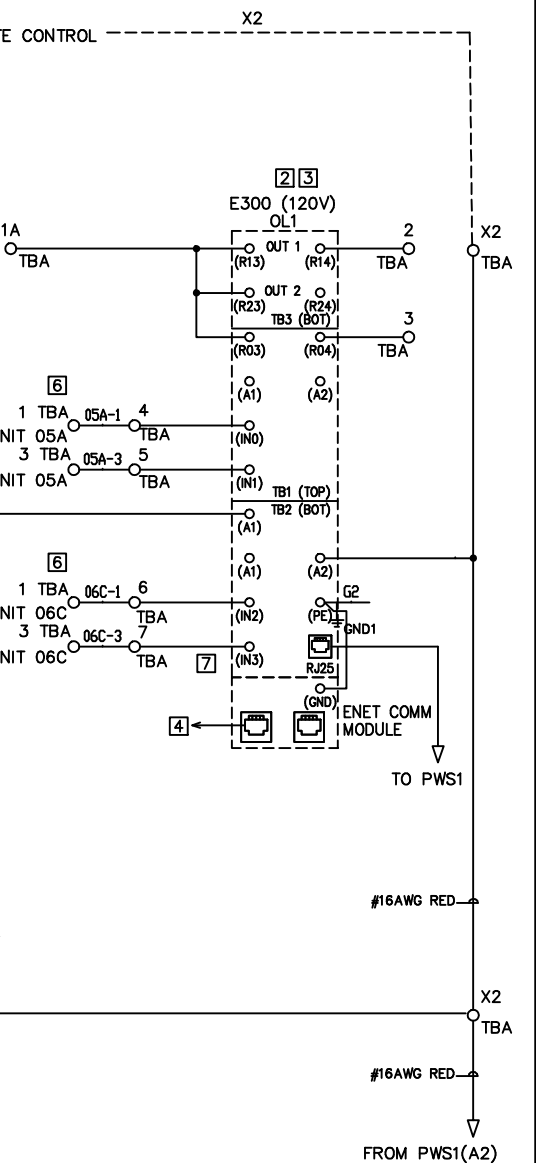
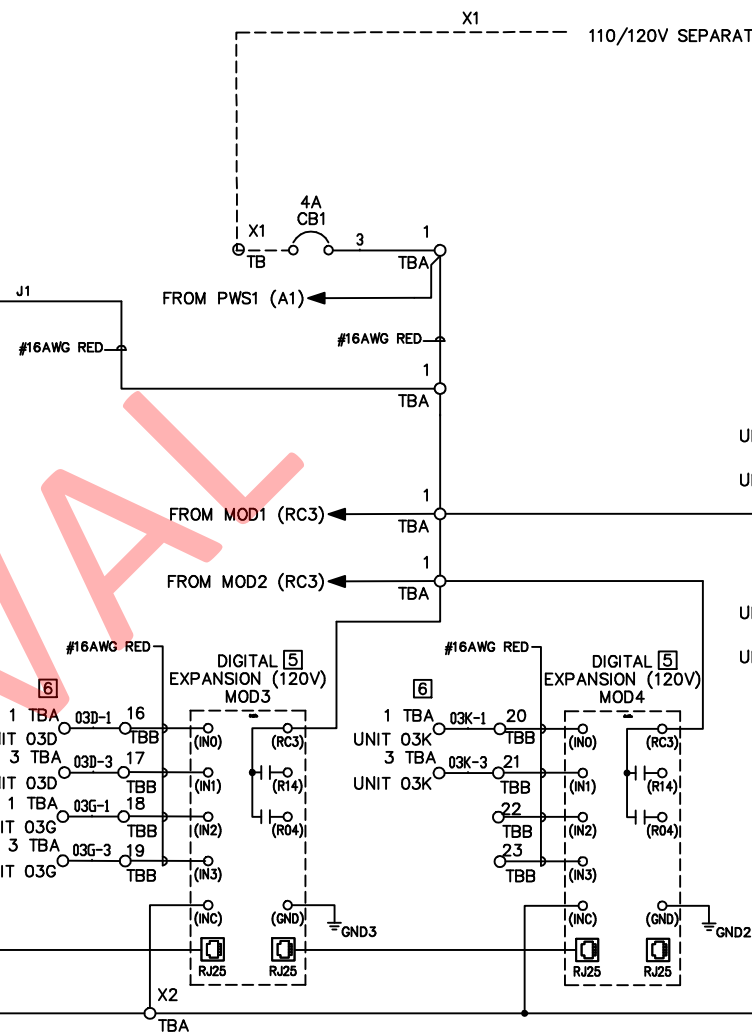
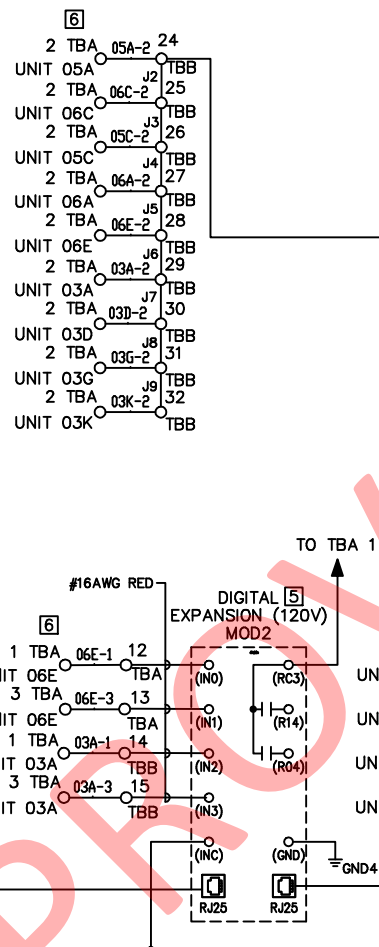
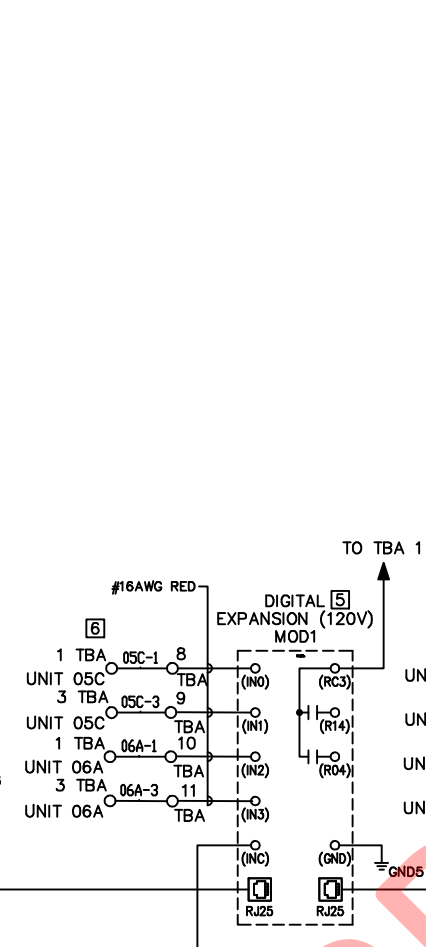
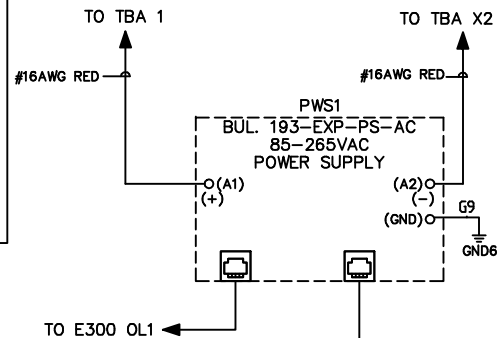
**Date:**

1/26/2023









REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL

PROJECT:	PLANTA CHIQUITOS CS MCC-001
CUSTOMER:	LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22
ORDER-LINE NUMBER:	6505648006-000100
LANG:	ENG

# Rockwell Automation

2100-N EMPTY UNIT

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23
-----------------

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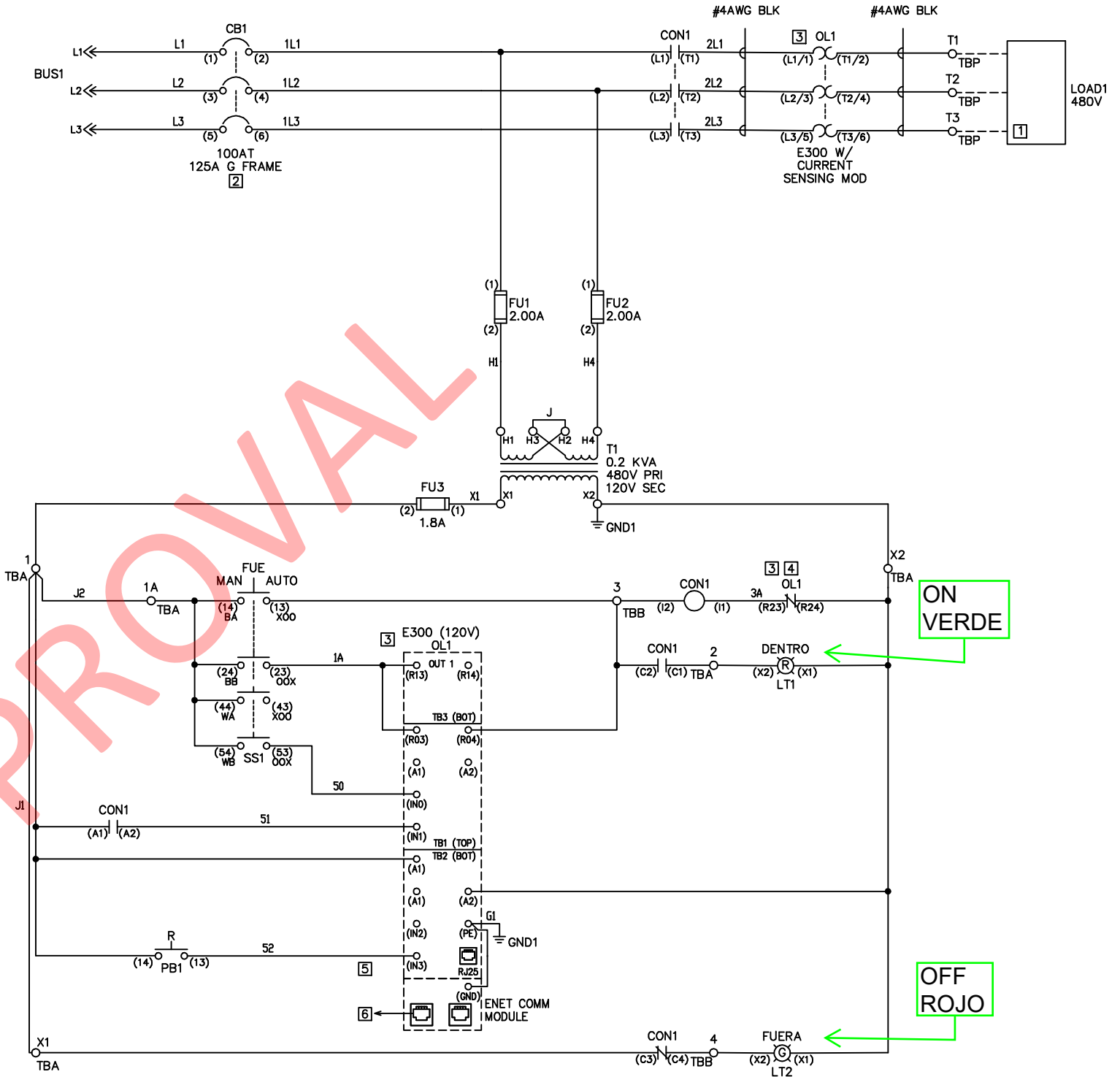
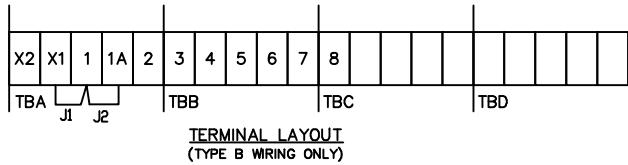
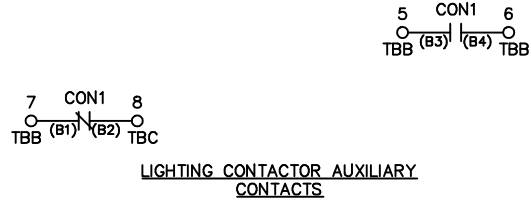
SHEET	1 OF 1
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NOTES

- REMOTE DEVICE
- UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
- DO NOT USE AUTOMATIC RESET MODE IN APPLICATIONS WHERE UNEXPECTED AUTOMATIC RESTART OF THE MOTOR CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.  
  
ADDITIONAL DEVICES MAY BE MONITORED BY THE E300 OVERLOAD DEPENDING ON THE CONFIGURATION. CONNECT A 120VAC SIGNAL TO ANY OF THE UNUSED 120VAC INTERFACE MODULE INPUTS. ALL A1 AND A2 TERMINALS ARE INTERNALLY CONNECTED. ADDITIONAL PROGRAMMING MAY BE REQUIRED.  
  
OUTPUT PT00 (R0)  
E300 PARAMETER 202 SET TO 0 - (NORMAL RELAY)  
  
OUTPUT PT02 (R2)  
E300 PARAMETER 204 SET TO 1 - (TRIP RELAY)
- CONTACT SHOWN WITH RELAY POWERED AND NO FAULTS PRESENT. REFER TO E300 USER MANUAL FOR OPERATION.
- RESET BUTTON (IN3)  
E300 PARAMETER 199 SET TO 1 - (TRIPRESET) OR  
LOGIX TAG - C.INPT03ASSIGNMENT SET TO 1
- FOR ETHERNET LINEUPS, ETHERNET CABLE CONNECTED TO ADAPTER IN WIREWAY OR DIRECTLY TO SWITCH. FOR ALL OTHER ORDERS, NO CONNECTION IS MADE BY FACTORY.



TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRED CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED. REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)	
Load Cable Connection at Contactor	150 lb-in(17 Nm)
Load Cable Connection at Power Terminal Block	50 lb-in(5.6 Nm)
Control Terminal Blocks	12 lb-in(1.3 Nm)
C.B. Internal Device TB and External Auxiliary Contacts	7 lb-in(0.8 Nm)
Contactor Auxiliary Contacts	12 lb-in(1.3 Nm)
700P or 700CF Relay	20 lb-in(2.2 Nm)

REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: ELECTRICAL SCHEMATIC			

PROJECT: PLANTA CHIQUITOS CS MCC-001

CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22

ORDER-LINE NUMBER: 6505648006-000100

LANG: ENG

Rockwell Automation

2103L 100 AMP FVLC

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23

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SHEET 1 OF 1

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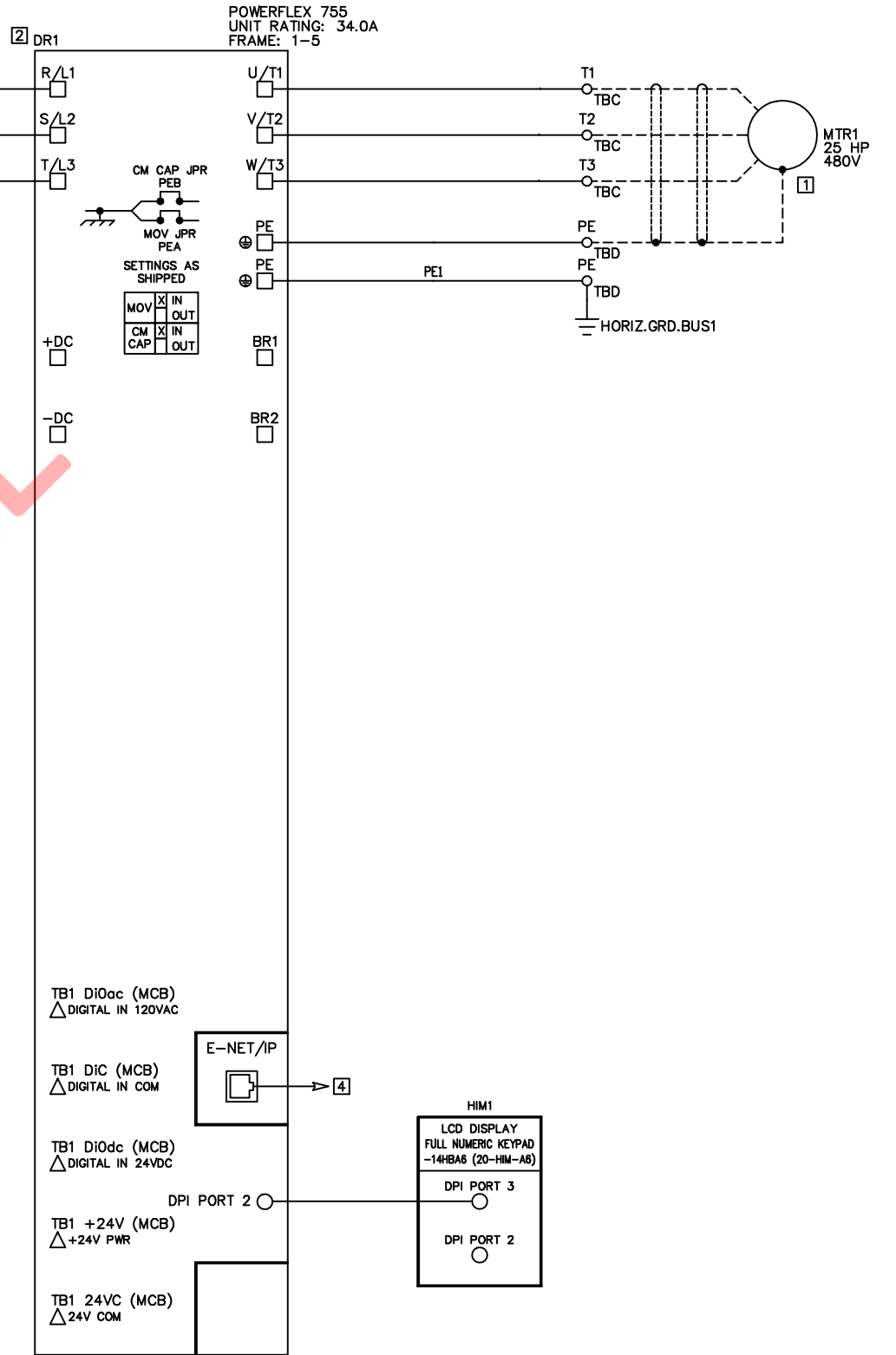
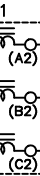
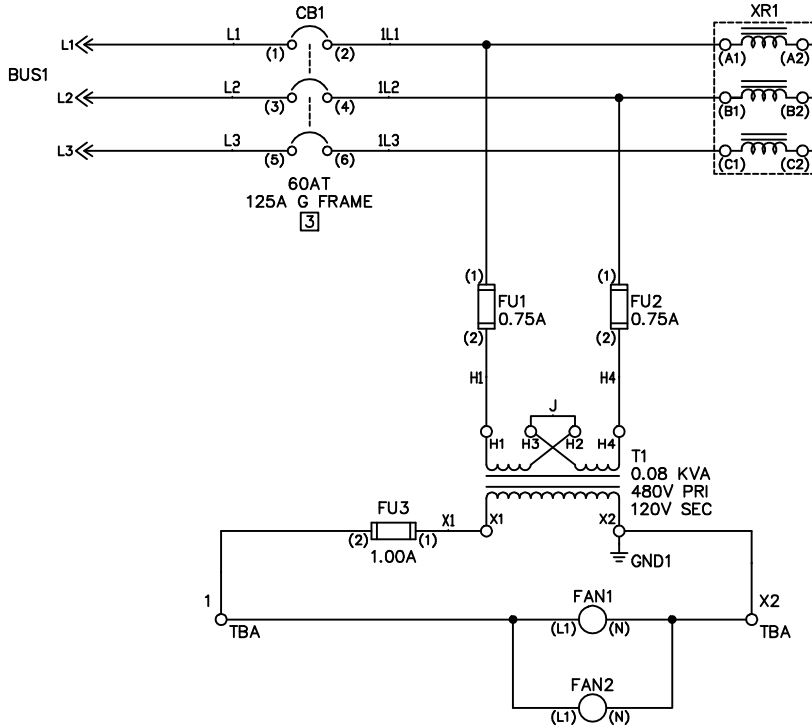
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NOTES

1. REMOTE DEVICE
2. REFER TO DRIVE USER MANUAL FOR APPLICATION DATA.
3. UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
4. FOR ETHERNET/IP ORDERS, ETHERNET CABLE CONNECTED TO ADAPTER IN WIREWAY OR DIRECTLY TO SWITCH. FOR ALL OTHER ORDERS, NO CONNECTION IS MADE.



TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRING CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED. REFER TO 40110-922 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)	
Fuse Clamp Screw w/Fuses (40A Only)	30 lb-in(3.4 Nm)
Load Cable Connection at Drive Power Terminal Blocks	11 lb-in(1.2 Nm)
Drive Main Control Terminal Blocks -- TB1, TB2 & TB3	2 lb-in(0.2 Nm)
C.B. Internal Device TB and External Auxiliary Contacts	7 lb-in(0.8 Nm)
Control Wire Connections at Control Terminal Blocks	6 lb-in(0.7 Nm)
Load Cable Connection at Power Terminal Blocks	30 lb-in(3.4 Nm)
Ground Wire to Horizontal Ground Bus	65 lb-in(7.3 Nm)

NOTATION (used in above notes)  
P = PARAMETER  
(e.g. P158 = PARAMETER 158)

DRIVE LEGEND

- POWER TERMINAL
- CONTROL TERMINAL

REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL

PROJECT: PLANTA CHIQUITOS CS  
MCC-001

CUSTOMER: LEVERAGE CORPORATION PROVISIONES S.  
0000863153  
OCI-159-22

ORDER-LINE NUMBER:  
6505648006-000100

LANG: ENG

PROJ. DOC. TYPE: ELECTRICAL SCHEMATIC

Rockwell Automation

2163V 34 AMP FLEX 755 VFD N.D.

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23

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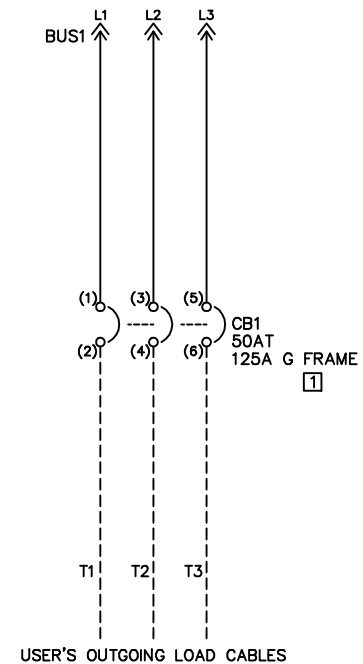
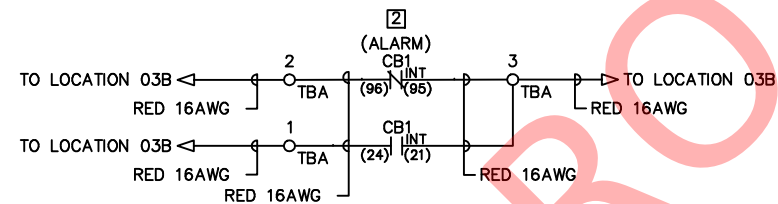
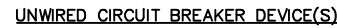
SHEET 1 OF 2

SIZE D 10007115327 VER C





||<sup>INT</sup> INTERNAL CIRCUIT BREAKER DEVICES  
N<sup>INT</sup> SUPPLIED WITH UNMOUNTED  
CONNECTION BLOCKS.



TERMINAL LAYOUT  
(TYPE B WIRING ONLY)

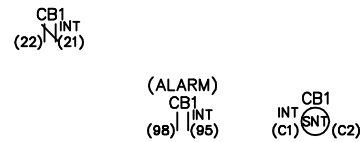
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		SHEET 1 OF 1	
2193F 125 AF FEEDER CB		SIZE	VER
DRAWN BY: E MARTINEZ	DATE: 26-JAN-23	D	10007115331 C

NOTES ☐

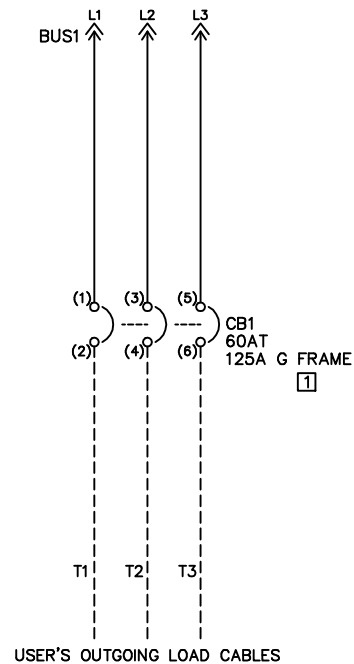
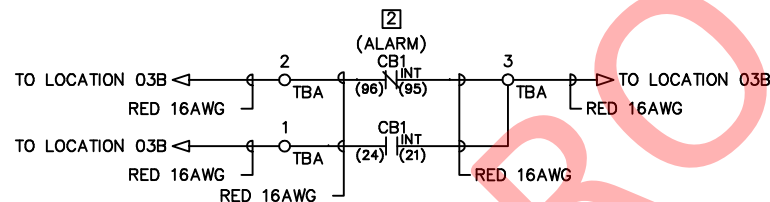
1. UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
2. FOR DETAILED INTERWIRING REFER TO 10007115323.

## CIRCUIT BREAKER DEVICES

||<sup>INT</sup> INTERNAL CIRCUIT BREAKER DEVICES  
N<sup>INT</sup> SUPPLIED WITH UNMOUNTED  
CONNECTION BLOCKS.



UNWIRED CIRCUIT BREAKER DEVICE(S)



1	2	3		
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### TERMINAL LAYOUT (TYPE B WIRING ONLY)

TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRING CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED.  
REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)	
Load Cable Connections	62 lb-in(7 Nm)
H-Frame Lug Pad Assy (2193FZ only)	90 lb-in(10 Nm)
C.B. Internal Device TB and External Auxiliary Contacts	7 lb-in(0.8 Nm)
22.5 mm DSA	5 lb-in(0.6 Nm)

REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL

PROJECT:	PLANTA CHIQUITOS CS
	MCC-001

CUSTOMER:  
LEVERAGE CORPORATION PROVISIONES S.  
0000863153  
OCI-159-22

ORDER-LINE NUMBER:  
6505648006-000100

LANG: ENG
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PROJ. DOC. TYPE: ELECTRICAL SCHEMATIC
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# Rockwell Automation

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SHEET 1 OF 1

2193F 125 AF FEEDER CB

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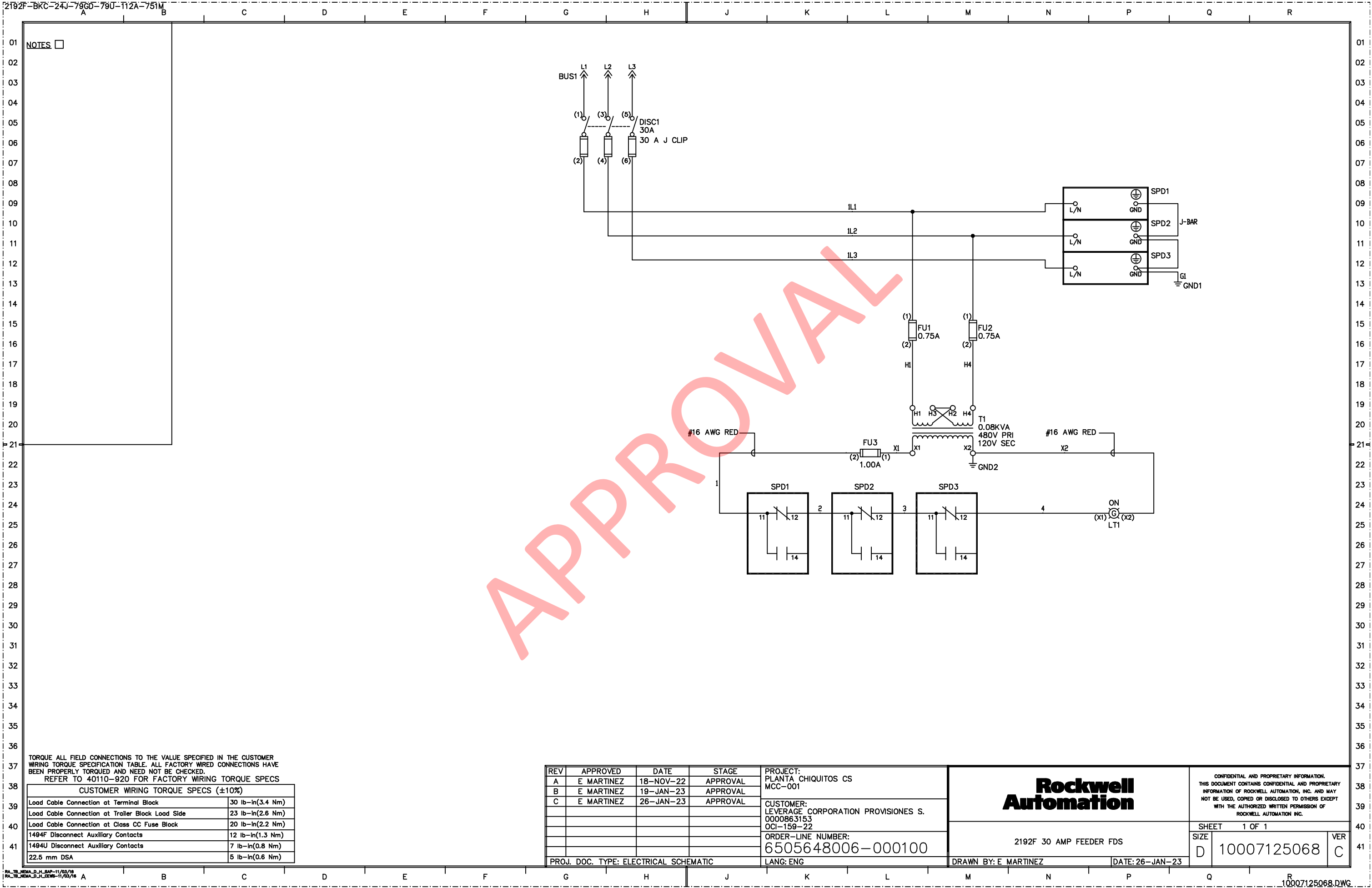
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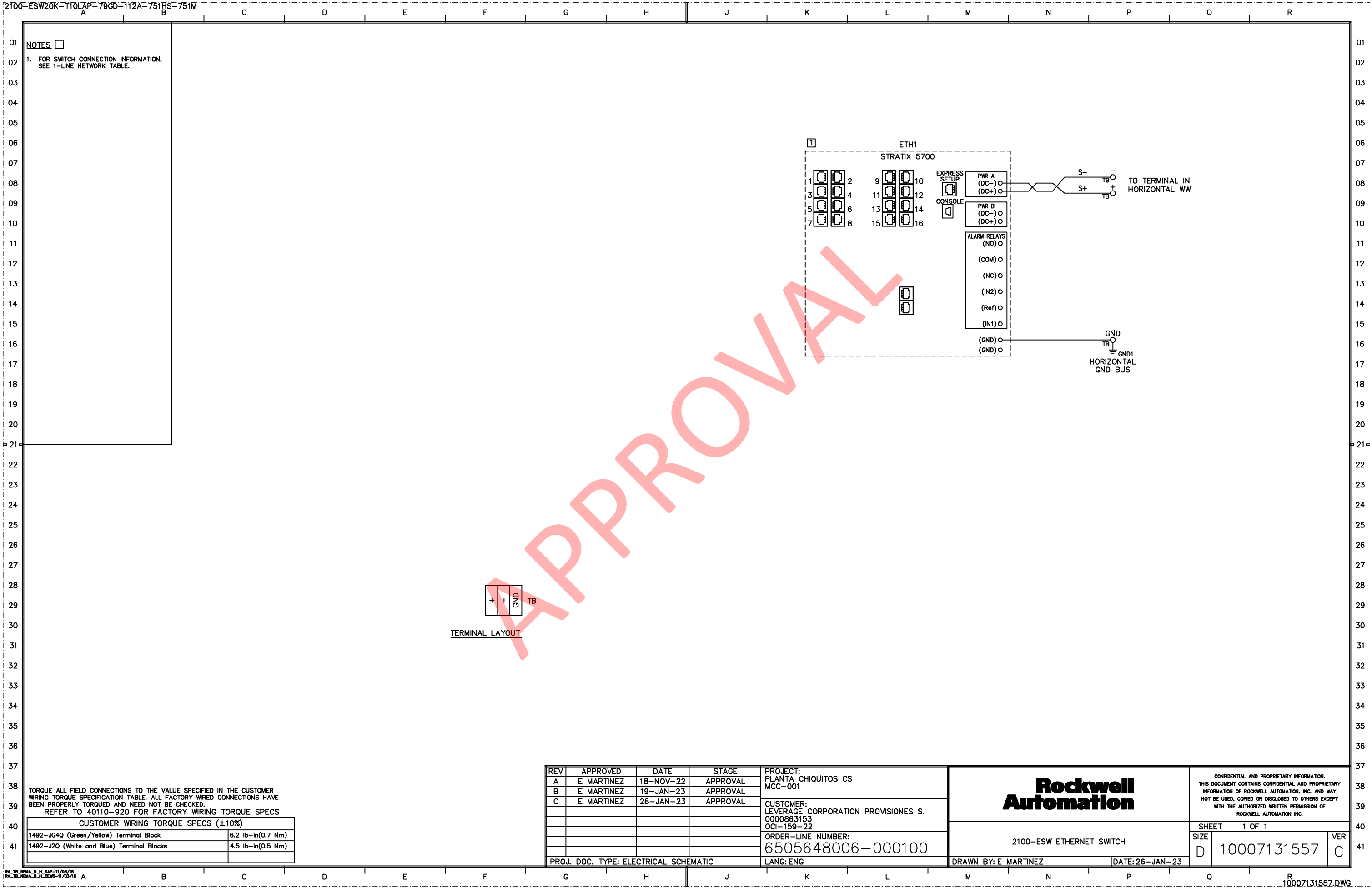
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DATE: 26-JAN-23
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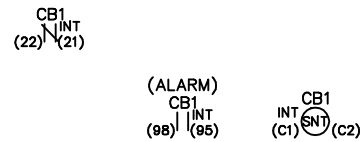


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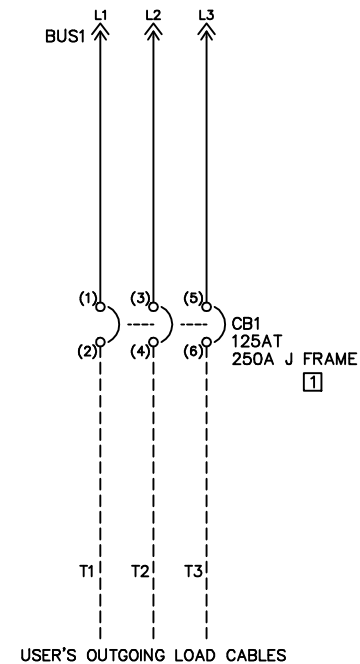
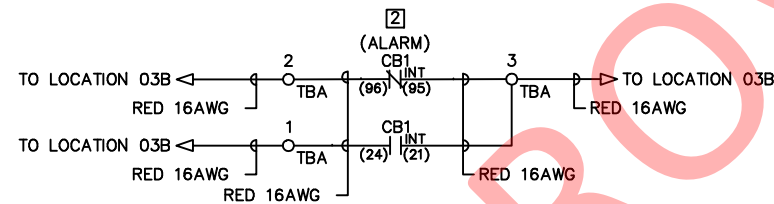
1. UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
2. FOR DETAILED INTERWIRING REFER TO 10007115323.

## CIRCUIT BREAKER DEVICES

11	INT	INTERNAL CIRCUIT BREAKER DEVICES
N	INT	SUPPLIED WITH UNMOUNTED CONNECTION BLOCKS.



UNWIRED CIRCUIT BREAKER DEVICE(S)



1	2	3		
---	---	---	--	--

### TERMINAL LAYOUT (TYPE B WIRING ONLY)

TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER  
WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRED CONNECTIONS HAVE  
BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED.  
REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)	
Load Cable Connections:	
#10-350 kcmil CU	124 lb-in(14 Nm)
#14-1/0 CU/AL	50 lb-in(5.6 Nm)
#14-350 kcmil CU/AL	89 lb-in(10 Nm)
J-Frame Lug Pad Assy Cu 6-25	250 lb-in(28.2 Nm)
C.B. Internal Device TB and External Auxiliary Contacts	7 lb-in(0.8 Nm)
22.5 mm DSA	5 lb-in(0.6 Nm)

REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: ELECTRICAL SCHEMATIC			



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ROCKWELL AUTOMATION INC.

SHEET	1 OF 1
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2193F 250 AF FEEDER CB

SIZE	PRICE	DESCRIPTION
12	12.99	12.99
14	14.99	14.99
16	16.99	16.99
18	18.99	18.99
20	20.99	20.99
22	22.99	22.99
24	24.99	24.99
26	26.99	26.99
28	28.99	28.99
30	30.99	30.99
32	32.99	32.99
34	34.99	34.99
36	36.99	36.99
38	38.99	38.99
40	40.99	40.99
42	42.99	42.99
44	44.99	44.99
46	46.99	46.99
48	48.99	48.99
50	50.99	50.99
52	52.99	52.99
54	54.99	54.99
56	56.99	56.99
58	58.99	58.99
60	60.99	60.99
62	62.99	62.99
64	64.99	64.99
66	66.99	66.99
68	68.99	68.99
70	70.99	70.99
72	72.99	72.99
74	74.99	74.99
76	76.99	76.99
78	78.99	78.99
80	80.99	80.99
82	82.99	82.99
84	84.99	84.99
86	86.99	86.99
88	88.99	88.99
90	90.99	90.99
92	92.99	92.99
94	94.99	94.99
96	96.99	96.99
98	98.99	98.99
100	100.99	100.99

D

10007173636

VER

c |

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23
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NOTES

- UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
- DO NOT USE AUTOMATIC RESET MODE IN APPLICATIONS WHERE UNEXPECTED AUTOMATIC RESTART OF THE MOTOR CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.  
  
ADDITIONAL DEVICES MAY BE MONITORED BY THE E300 OVERLOAD DEPENDING ON THE CONFIGURATION. CONNECT A 120VAC SIGNAL TO ANY OF THE UNUSED 120VAC INTERFACE MODULE INPUTS. ALL A1 AND A2 TERMINALS ARE INTERNALLY CONNECTED. ADDITIONAL PROGRAMMING MAY BE REQUIRED.  
  
OUTPUT PT00 (R0)  
E300 PARAMETER 202 SET TO 0 - (NORMAL RELAY)  
  
OUTPUT PT02 (R2)  
E300 PARAMETER 204 SET TO 1 - (TRIP RELAY)
- E300 CONTROL MODULE FIRMWARE TO BE 5.000 OR GREATER TO ENABLE DEVICELOGIX.
- FOR ETHERNET LINEUPS, ETHERNET CABLE CONNECTED TO ADAPTER IN WIREWAY OR DIRECTLY TO SWITCH. FOR ALL OTHER ORDERS, NO CONNECTION IS MADE BY FACTORY.
- INPUT PT00 (IN0)  
E300 PARAMETER 196 SET TO 0 - (NORMAL-FUNCTION AS DIGITAL INPUT)
- INPUT PT01 (IN1)  
E300 PARAMETER 197 SET TO 0 - (NORMAL-FUNCTION AS DIGITAL INPUT)

CIRCUIT BREAKER DEVICES

INT INTERNAL CIRCUIT BREAKER DEVICES SUPPLIED WITH UNMOUNTED CONNECTION BLOCKS.

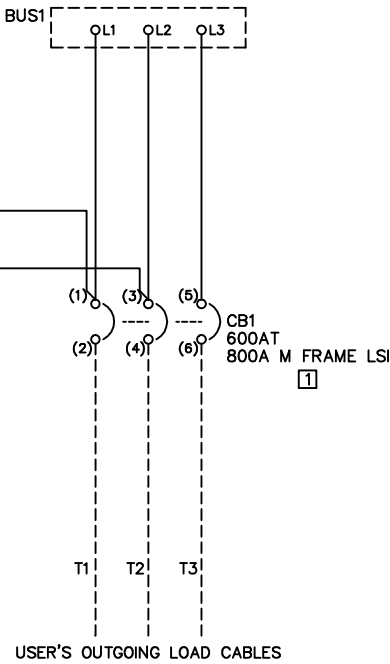
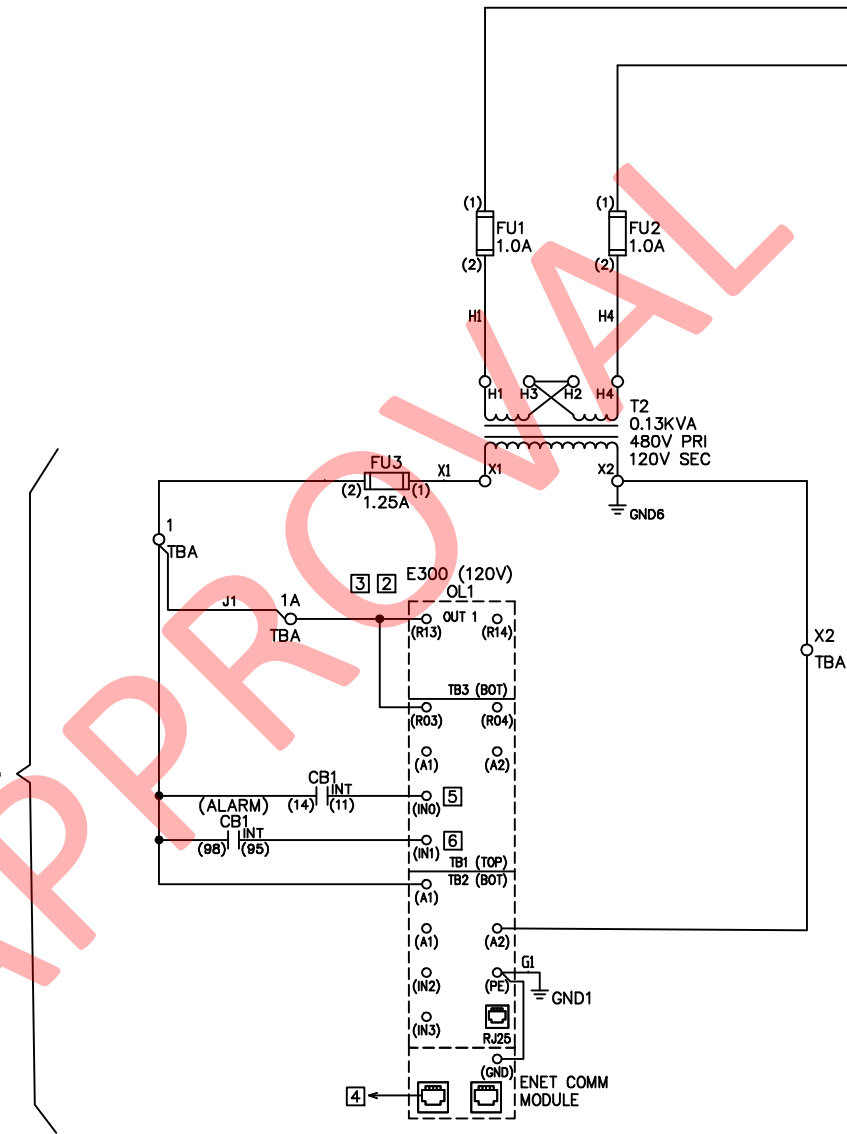
TBA	X2
	1
	1A

TERMINAL LAYOUT

UNWIRED CIRCUIT BREAKER DEVICE(S)

CB1 (12) INT (11)  
(ALARM) CB1 (96) INT (95)  
CB1 (c1) INT (c2)

#16AWG RED



TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRED CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED.  
REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)		
Load Cable Connections:		
#2/0-400 kcmil CU	381 lb-in(43 Nm)	
#2/0-400 kcmil CU/AL	381 lb-in(43 Nm)	
C.B. Internal Device TB and External Auxiliary Contacts	7 lb-in(0.8 Nm)	
22.5 mm DSA	5 lb-in(0.6 Nm)	

REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: ELECTRICAL SCHEMATIC			

PROJECT: PLANTA CHIQUITOS CS MCC-001
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22
ORDER-LINE NUMBER: 6505648006-000100
LANG: ENG

Rockwell Automation

2193F 800 AF FEEDER CB

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23

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SHEET 1 OF 1

SIZE	10007173638	VER
D		C

- NOTES
- UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
  - DO NOT USE AUTOMATIC RESET MODE IN APPLICATIONS WHERE UNEXPECTED AUTOMATIC RESTART OF THE MOTOR CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.  
  
ADDITIONAL DEVICES MAY BE MONITORED BY THE E300 OVERLOAD DEPENDING ON THE CONFIGURATION. CONNECT A 120VAC SIGNAL TO ANY OF THE UNUSED 120VAC INTERFACE MODULE INPUTS. ALL A1 AND A2 TERMINALS ARE INTERNALLY CONNECTED. ADDITIONAL PROGRAMMING MAY BE REQUIRED.  
  
OUTPUT PT00 (R0)  
E300 PARAMETER 202 SET TO 0 - (NORMAL RELAY)  
  
OUTPUT PT02 (R2)  
E300 PARAMETER 204 SET TO 1 - (TRIP RELAY)
  - E300 CONTROL MODULE FIRMWARE TO BE 5.000 OR GREATER TO ENABLE DEVICELOGIX.
  - FOR ETHERNET LINEUPS, ETHERNET CABLE CONNECTED TO ADAPTER IN WIREWAY OR DIRECTLY TO SWITCH. FOR ALL OTHER ORDERS, NO CONNECTION IS MADE BY FACTORY.
  - INPUT PT00 (IN0)  
E300 PARAMETER 196 SET TO 0 - (NORMAL-FUNCTION AS DIGITAL INPUT)
  - INPUT PT01 (IN1)  
E300 PARAMETER 197 SET TO 0 - (NORMAL-FUNCTION AS DIGITAL INPUT)

CIRCUIT BREAKER DEVICES

- INTERNAL CIRCUIT BREAKER DEVICES SUPPLIED WITH UNMOUNTED CONNECTION BLOCKS.

TBA	X2
	1
	1A

TERMINAL LAYOUT

TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRED CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED.  
REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)		
Load Cable Connections:		
#2/0-400 kcmil CU	381 lb-in(43 Nm)	
#2/0-400 kcmil CU/AL	381 lb-in(43 Nm)	
C.B. Internal Device TB and External Auxiliary Contacts		
22.5 mm DSA	7 lb-in(0.8 Nm)	
	5 lb-in(0.6 Nm)	

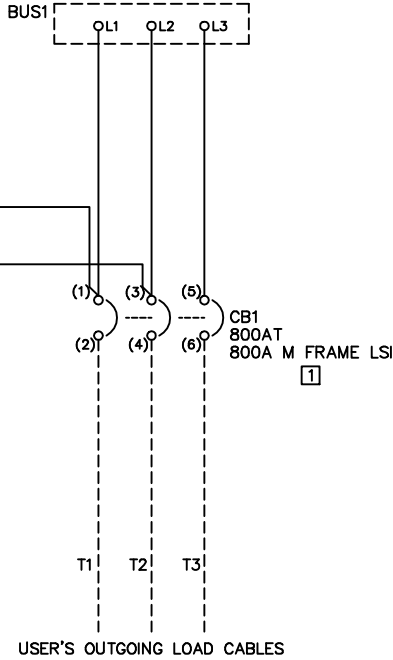
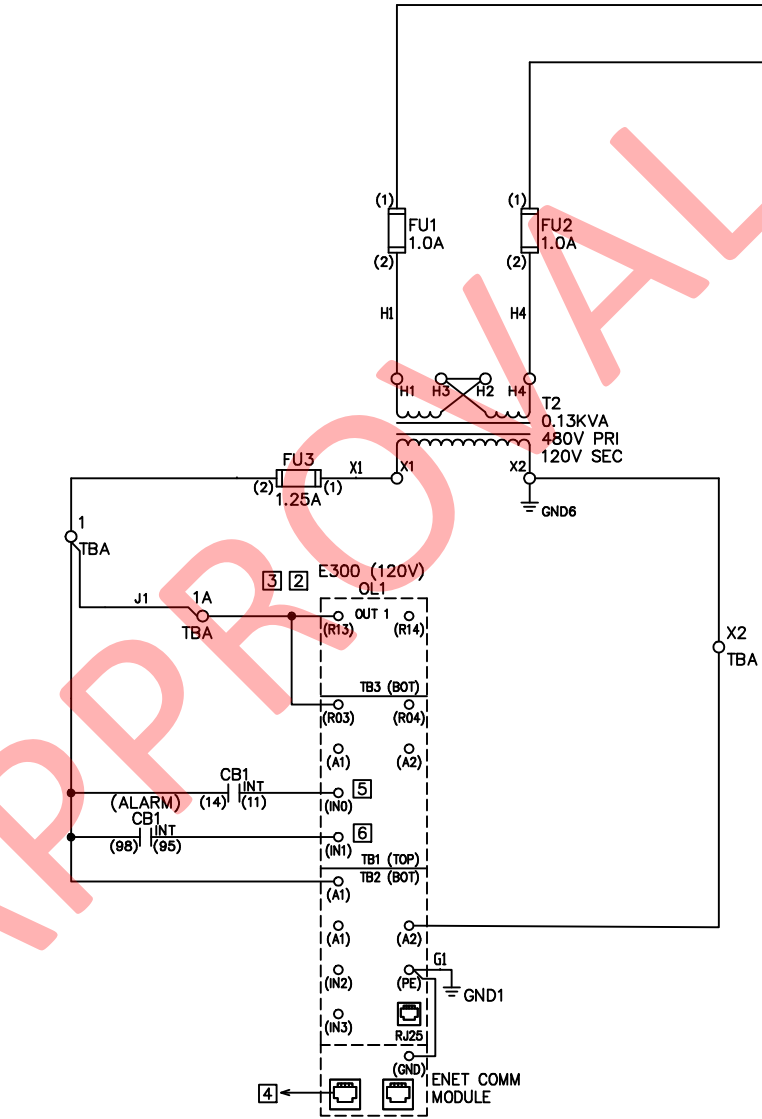
CB1 (12) INT (11)

(ALARM) CB1 (96) INT (95)

CB1 (C1) INT (C2)

UNWIRED CIRCUIT BREAKER DEVICE(S)

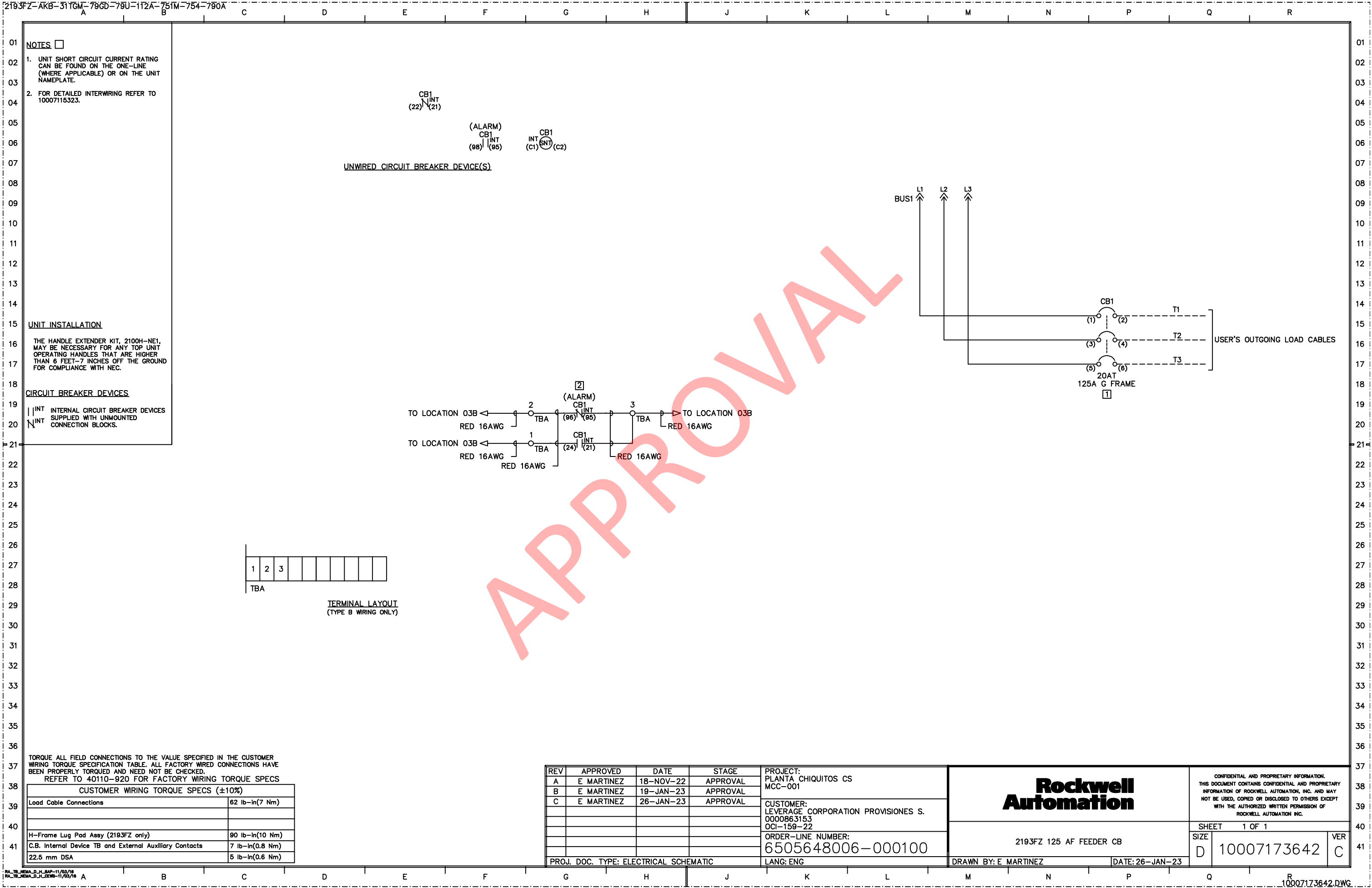
#16AWG RED



REV	APPROVED	DATE	STAGE	PROJECT:
A	E MARTINEZ	18-NOV-22	APPROVAL	PLANTA CHIQUITOS CS
B	E MARTINEZ	19-JAN-23	APPROVAL	MCC-001
C	E MARTINEZ	26-JAN-23	APPROVAL	
				CUSTOMER:
				LEVERAGE CORPORATION PROVISIONES S.
				0000863153
				OCI-159-22
				ORDER-LINE NUMBER:
				6505648006-000100
				LANG: ENG
PROJ. DOC. TYPE: ELECTRICAL SCHEMATIC				

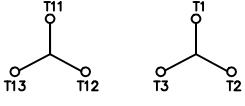
<b>Rockwell Automation</b>		SHEET 1 OF 1	
		SIZE D	VER C
2193F 800 AF FEEDER CB		10007173640	
DRAWN BY: E MARTINEZ		DATE: 26-JAN-23	

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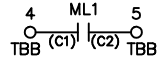




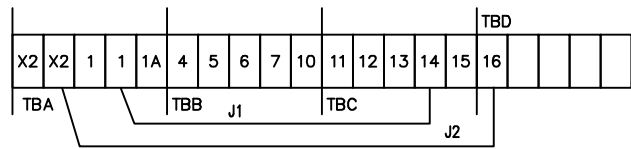
NOTES

- REMOTE DEVICE
- MOTOR WINDINGS:  

- UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
- DO NOT USE AUTOMATIC RESET MODE IN APPLICATIONS WHERE UNEXPECTED AUTOMATIC RESTART OF THE MOTOR CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.  
ADDITIONAL DEVICES MAY BE MONITORED BY THE E300 OVERLOAD DEPENDING ON THE CONFIGURATION. CONNECT A 120VAC SIGNAL TO ANY OF THE UNUSED 120VAC INTERFACE MODULE INPUTS. ALL A1 AND A2 TERMINALS ARE INTERNALLY CONNECTED. ADDITIONAL PROGRAMMING MAY BE REQUIRED.  
OUTPUT PT00 (R0) E300 PARAMETER 202 SET TO 0 - (NORMAL RELAY)  
OUTPUT PT02 (R2) E300 PARAMETER 204 SET TO 1 - (TRIP RELAY)
- CONTACT SHOWN WITH RELAY POWERED AND NO FAULTS PRESENT. REFER TO E300 USER MANUAL FOR OPERATION.
- RESET BUTTON (IN3) E300 PARAMETER 199 SET TO 1 - (TRIPRESET) OR LOGIX TAG - C.INPT03ASSIGNMENT SET TO 1
- FOR ETHERNET LINEUPS, ETHERNET CABLE CONNECTED TO ADAPTER IN WIREWAY OR DIRECTLY TO SWITCH. FOR ALL OTHER ORDERS, NO CONNECTION IS MADE BY FACTORY.

NEMA STANDARD MOTOR CONNECTIONS						
SPEED	LINES			OPEN		
LOW	T1	T2	T3	T1	T2	T3
HIGH	T1	T1	T1	T1	T2	T3



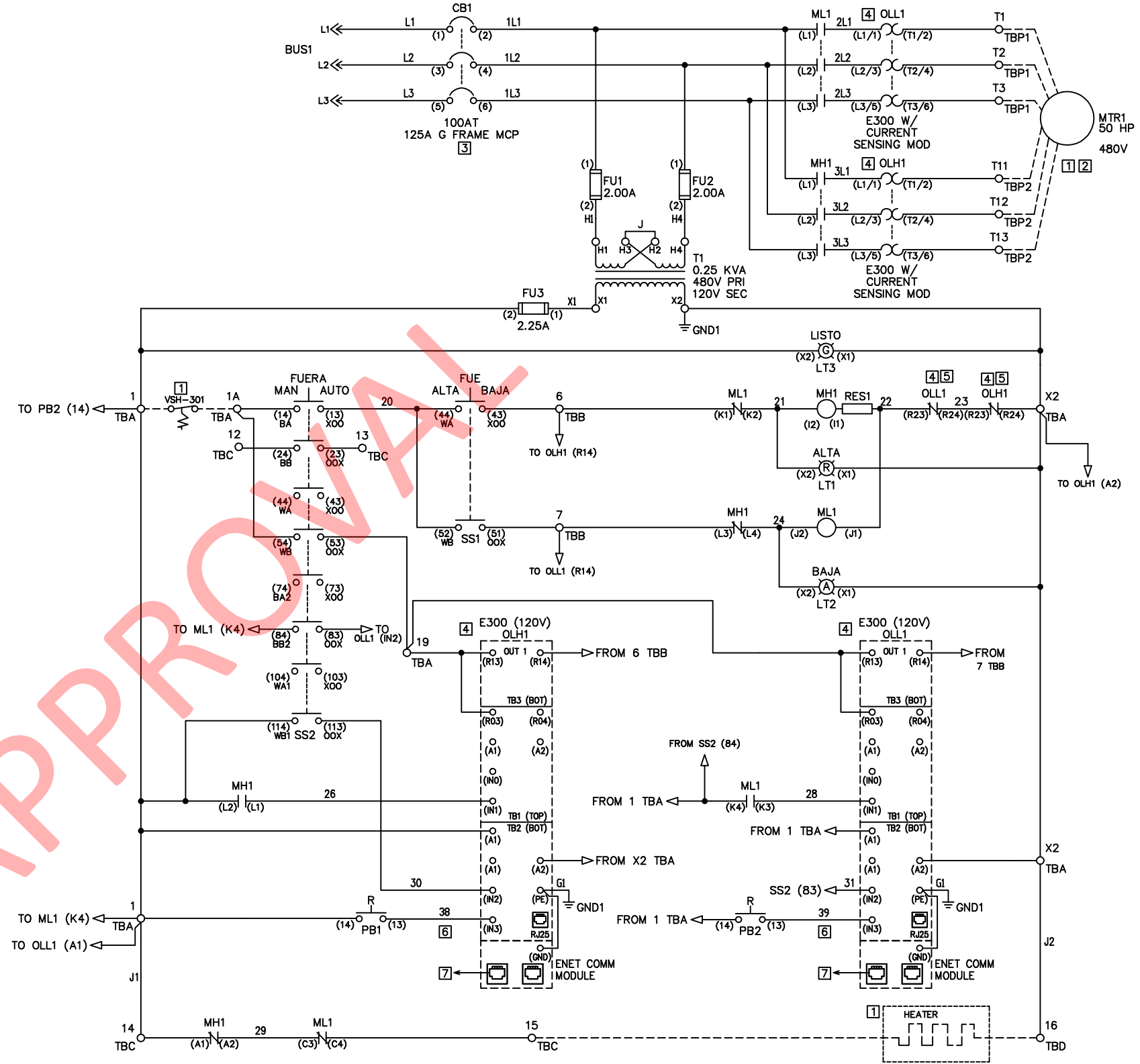
MOTOR STARTER AUXILIARY CONTACTS



TERMINAL LAYOUT (TYPE B WIRING ONLY)


TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRED CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED. REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)	
Load Cable Connection at E1 Plus Overload	35 lb-in(4 Nm)
Load Cable Connection at Power Terminal Block	50 lb-in(5.6 Nm)
Starter Auxiliary Contacts and Control Terminal Blocks	12 lb-in(1.3 Nm)
C.B. Internal Device TB and External Auxiliary Contacts	7 lb-in(0.8 Nm)
E1 Plus Overload Control Terminals	5 lb-in(0.6 Nm)
700P or 700CF Relay	20 lb-in(2.2 Nm)



REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL

PROJECT: PLANTA CHIQUITOS CS MCC-002  
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22  
ORDER-LINE NUMBER: 6505648006-000300  
LANG: ENG



2123E SIZE 3 TS2W

DRAWN BY: E MARTINEZ DATE: 26-JAN-23

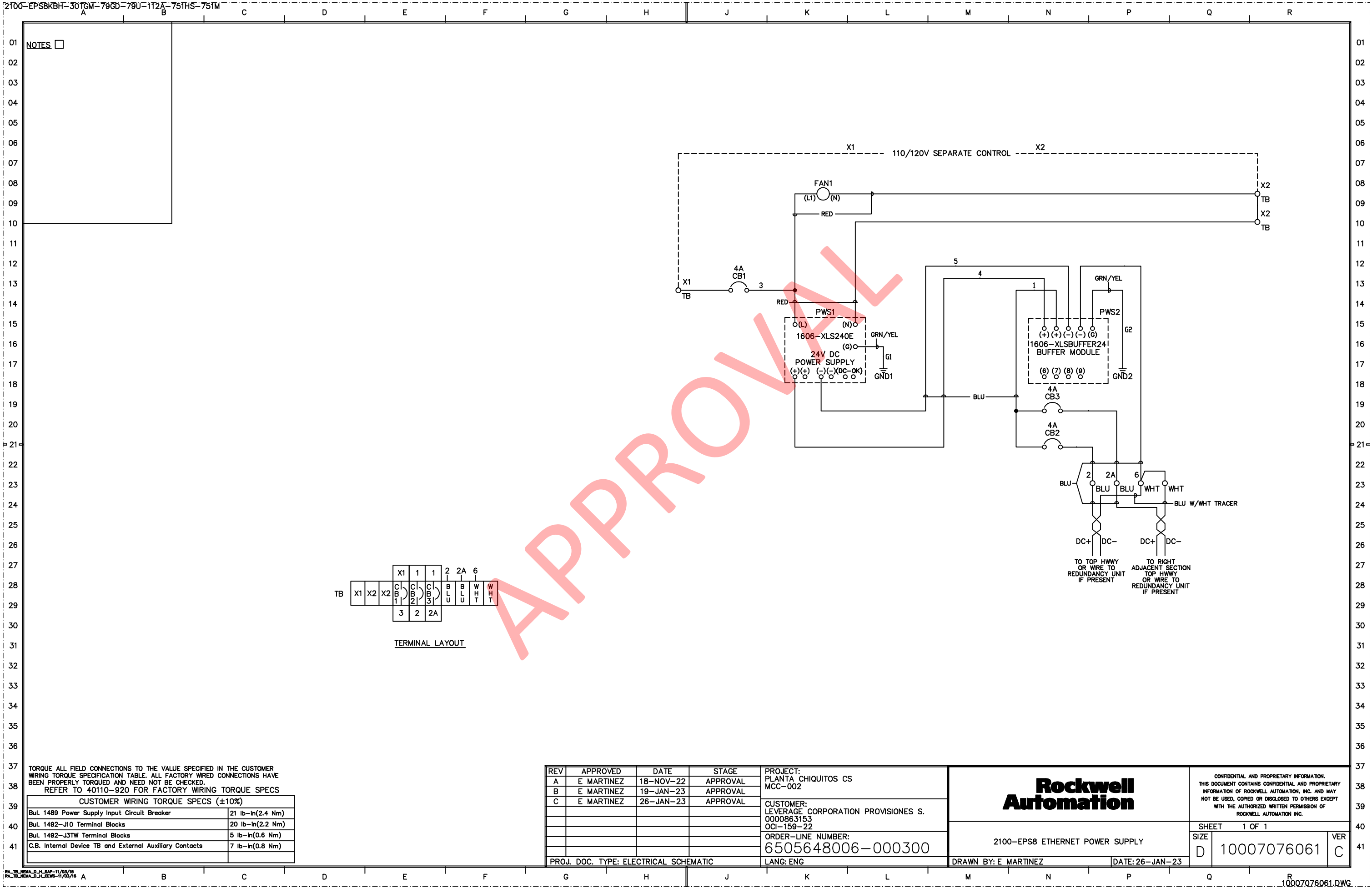
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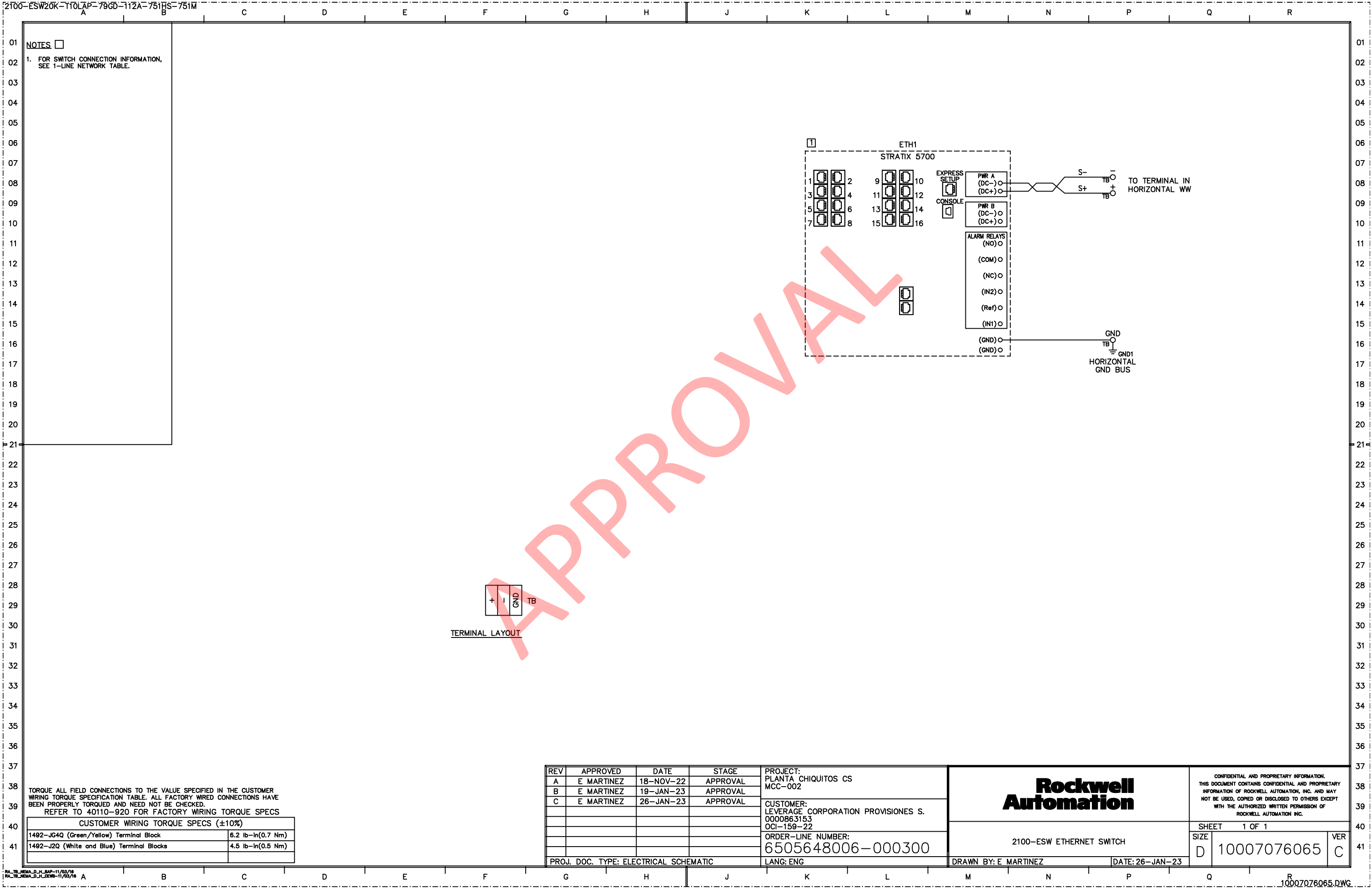
SHEET 1 OF 1

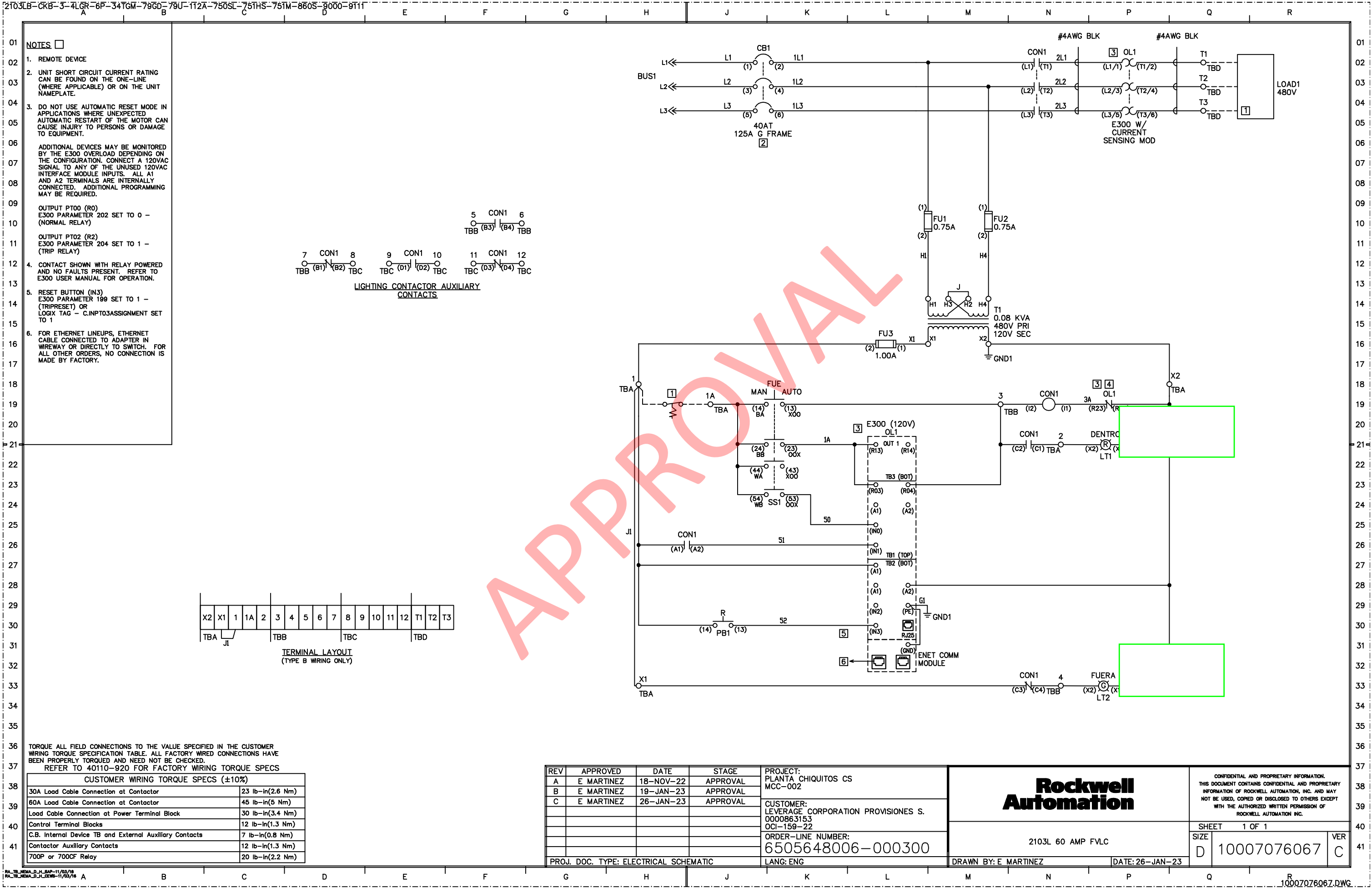
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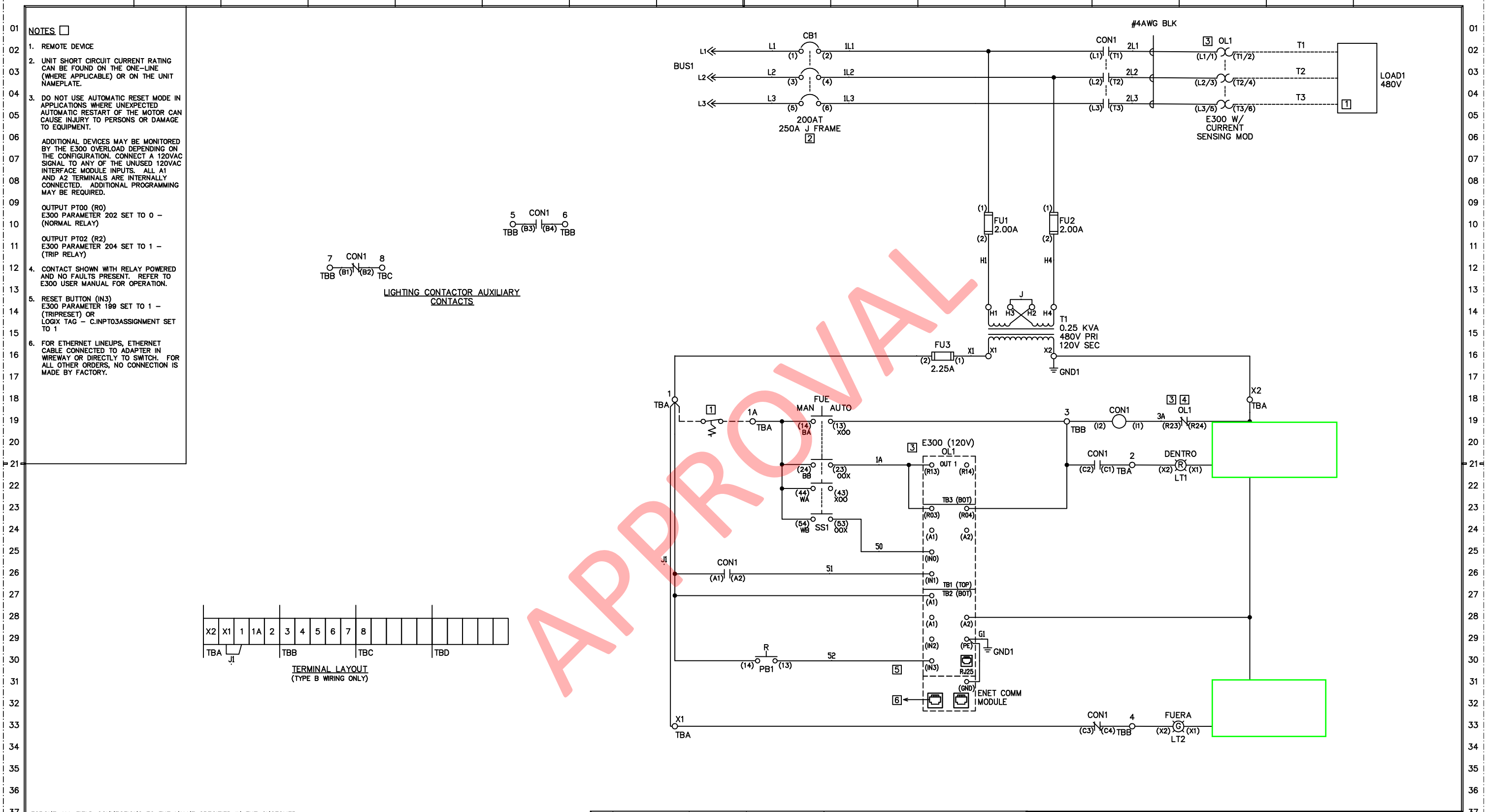
VER C





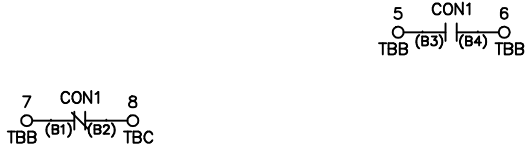




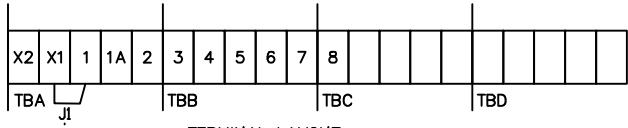


NOTES

1. REMOTE DEVICE
2. UNIT SHORT CIRCUIT CURRENT RATING CAN BE FOUND ON THE ONE-LINE (WHERE APPLICABLE) OR ON THE UNIT NAMEPLATE.
3. DO NOT USE AUTOMATIC RESET MODE IN APPLICATIONS WHERE UNEXPECTED AUTOMATIC RESTART OF THE MOTOR CAN CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.  
  
ADDITIONAL DEVICES MAY BE MONITORED BY THE E300 OVERLOAD DEPENDING ON THE CONFIGURATION. CONNECT A 120VAC SIGNAL TO ANY OF THE UNUSED 120VAC INTERFACE MODULE INPUTS. ALL A1 AND A2 TERMINALS ARE INTERNALLY CONNECTED. ADDITIONAL PROGRAMMING MAY BE REQUIRED.  
  
OUTPUT PT00 (R0)  
E300 PARAMETER 202 SET TO 0 - (NORMAL RELAY)  
  
OUTPUT PT02 (R2)  
E300 PARAMETER 204 SET TO 1 - (TRIP RELAY)
4. CONTACT SHOWN WITH RELAY POWERED AND NO FAULTS PRESENT. REFER TO E300 USER MANUAL FOR OPERATION.
5. RESET BUTTON (IN3)  
E300 PARAMETER 199 SET TO 1 - (TRIPRESET) OR LOGIX TAG - C.INPT03ASSIGNMENT SET TO 1
6. FOR ETHERNET LINEUPS, ETHERNET CABLE CONNECTED TO ADAPTER IN WIREWAY OR DIRECTLY TO SWITCH. FOR ALL OTHER ORDERS, NO CONNECTION IS MADE BY FACTORY.



LIGHTING CONTACTOR AUXILIARY CONTACTS



TERMINAL LAYOUT (TYPE B WIRING ONLY)

TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRED CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED. REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)	
Load Cable Connection at Contactor	275 lb-in(31 Nm)
Control Terminal Blocks	12 lb-in(1.3 Nm)
C.B. Internal Device TB and External Auxiliary Contacts	7 lb-in(0.8 Nm)
Contact Auxiliary Contacts	12 lb-in(1.3 Nm)
700P or 700CF Relay	20 lb-in(2.2 Nm)

REV	APPROVED	DATE	STAGE
A	E MARTINEZ	18-NOV-22	APPROVAL
B	E MARTINEZ	19-JAN-23	APPROVAL
C	E MARTINEZ	26-JAN-23	APPROVAL
PROJ. DOC. TYPE: ELECTRICAL SCHEMATIC			

PROJECT: PLANTA CHIQUITOS CS MCC-002  
  
CUSTOMER: LEVERAGE CORPORATION PROVISIONES S. 0000863153 OCI-159-22  
ORDER-LINE NUMBER: 6505648006-000300  
LANG: ENG

**Rockwell Automation**

2103L 200 AMP FVLC

DRAWN BY: E MARTINEZ

DATE: 26-JAN-23

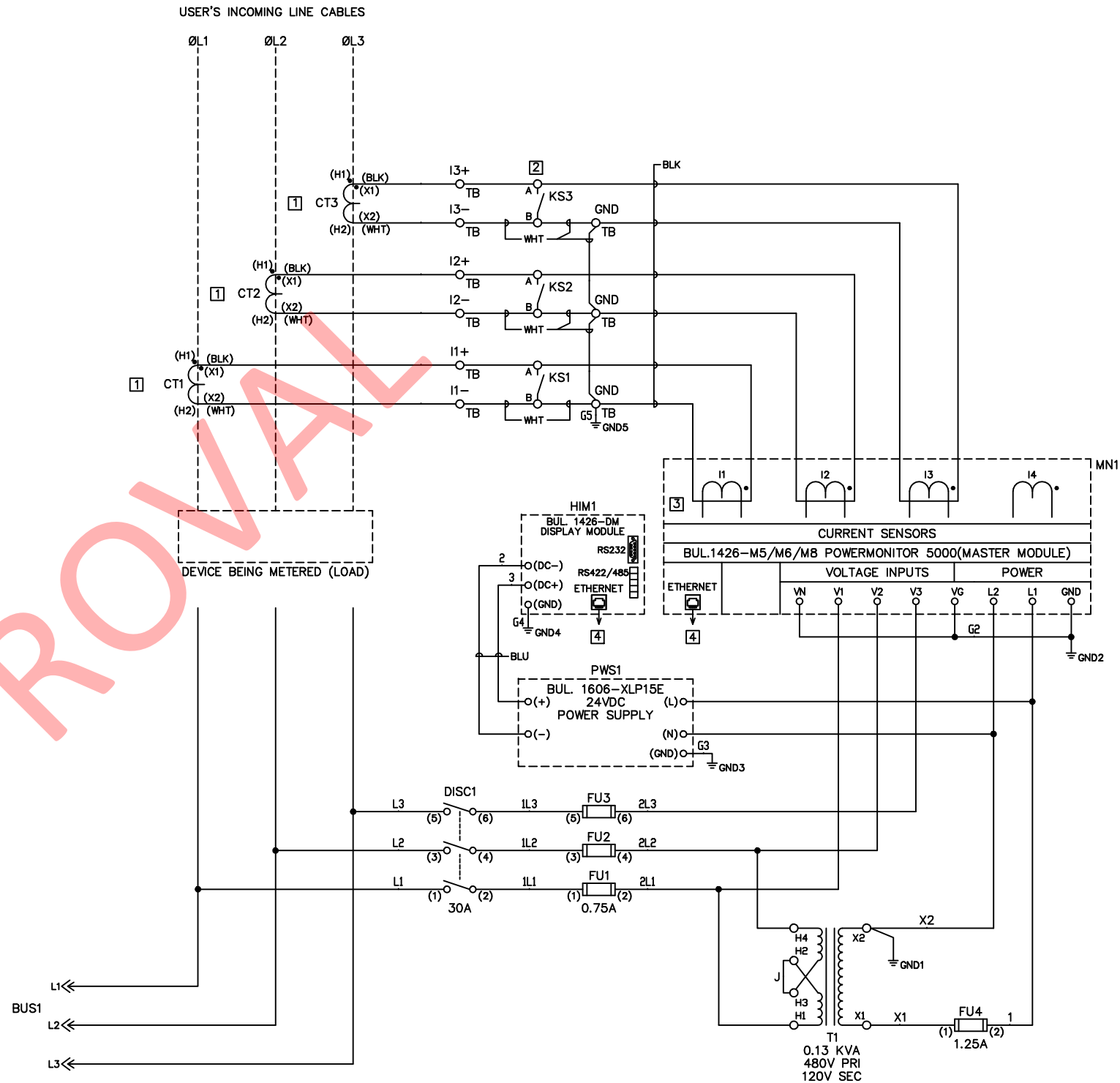
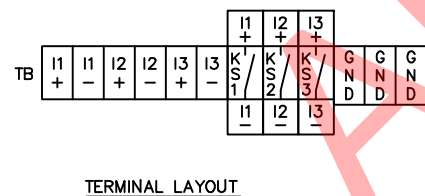
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SHEET 1 OF 1

SIZE D 10007076069 VER C

NOTES ☐

1. \_\_\_\_ AMPS NAMEPLATE RATIO  
\_\_\_\_ AMPS EFFECTIVE RATIO WITH  
\_\_\_\_ PRIMARY TURNS  
\_\_\_\_ SECONDARY TURNS  
  
BE SURE TO CONNECT PER POLARITY  
MARKINGS. SECONDARY CONNECTIONS OF  
CURRENT TRANSFORMER MUST BE  
CONNECTED TO A LOAD OR SHORTED  
TOGETHER AND GROUNDED TO AVOID A  
HIGH VOLTAGE ACROSS SECONDARY  
LEADS.  
  
CUSTOMER IS TO MOUNT AND WIRE  
CURRENT TRANSFORMERS.
2. CT SHORTING TERMINAL BLOCKS ARE  
SHIPPED IN THE "CLOSED" POSITION. FOR  
PROPER OPERATION, THE SHORTING  
TERMINAL BLOCKS MUST BE IN THE  
"OPEN" (AS SHOWN) POSITION.
3. ROUTE THE CT SECONDARY WIRING (L+)   
THROUGH THE OPENINGS IN THE PMS000.
4. FOR ETHERNET/IP ASSEMBLED ORDERS,  
CONNECT TO ADAPTER IN WIREWAY OR  
DIRECTLY TO SWITCH.  
  
FOR ALL OTHER ORDERS, NO  
CONNECTION IS MADE.



TORQUE ALL FIELD CONNECTIONS TO THE VALUE SPECIFIED IN THE CUSTOMER WIRING TORQUE SPECIFICATION TABLE. ALL FACTORY WIRED CONNECTIONS HAVE BEEN PROPERLY TORQUED AND NEED NOT BE CHECKED.  
REFER TO 40110-920 FOR FACTORY WIRING TORQUE SPECS

CUSTOMER WIRING TORQUE SPECS (±10%)	
Bul. 1492-H1 Terminal Blocks	6 lb-in(0.7 Nm)
Bul. 1492-CE9 Terminal Blocks	15 lb-in(1.7 Nm)
PowerMonitor 5000 Terminals:	
Voltage Sensing Inputs	13 lb-in(1.5 Nm)
Control Power and Ground Wire Terminals	11 lb-in(1.2 Nm)
Status Inputs, KYZ Outputs and Control Relay Wiring	6 lb-in(0.7 Nm)
PowerMonitor 5000 Display Module DC and Ground Terminals	5 lb-in(0.6 Nm)

[illegible]

# Rockwell Automation

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ROCKWELL AUTOMATION INC.

2190 METERING UNIT

SHEET 1 OF 1		
SIZE		VER
D	10007076073	C

