

APPENDIX A ELECTRICAL INFORMATION

CR9-2.8C

Rev. A1.01

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+Docs/F5	Panel layout	Operator Control Layout 2	11/29/2016	JEC
+Docs/F6	Panel layout	Machine Layout Sides	11/28/2016	JEC

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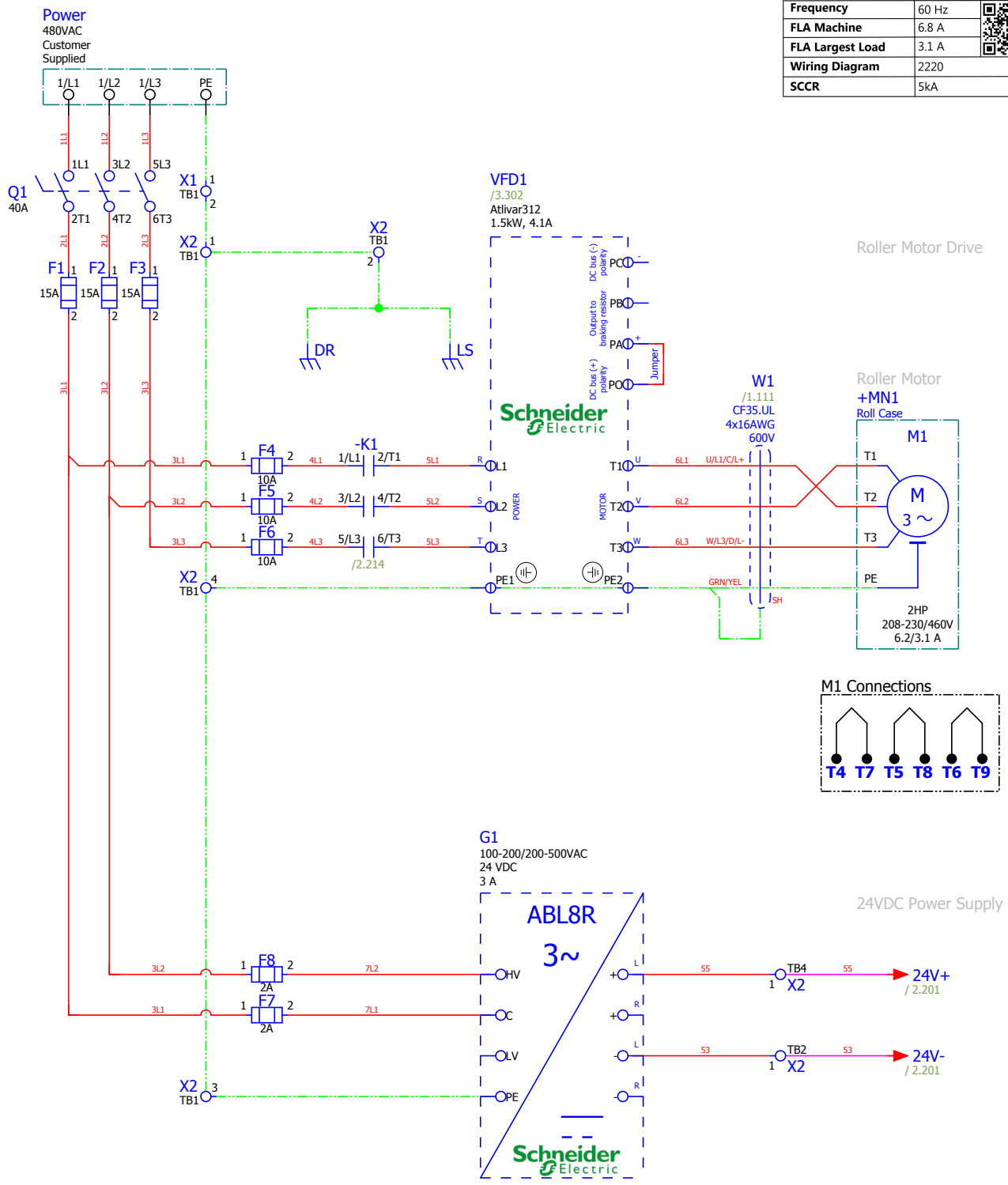
Project Description: Roll Case Conveyor

Revision: A1.01 Pg Desc: Table of contents
 Mounting Location: + Type: Table of contents
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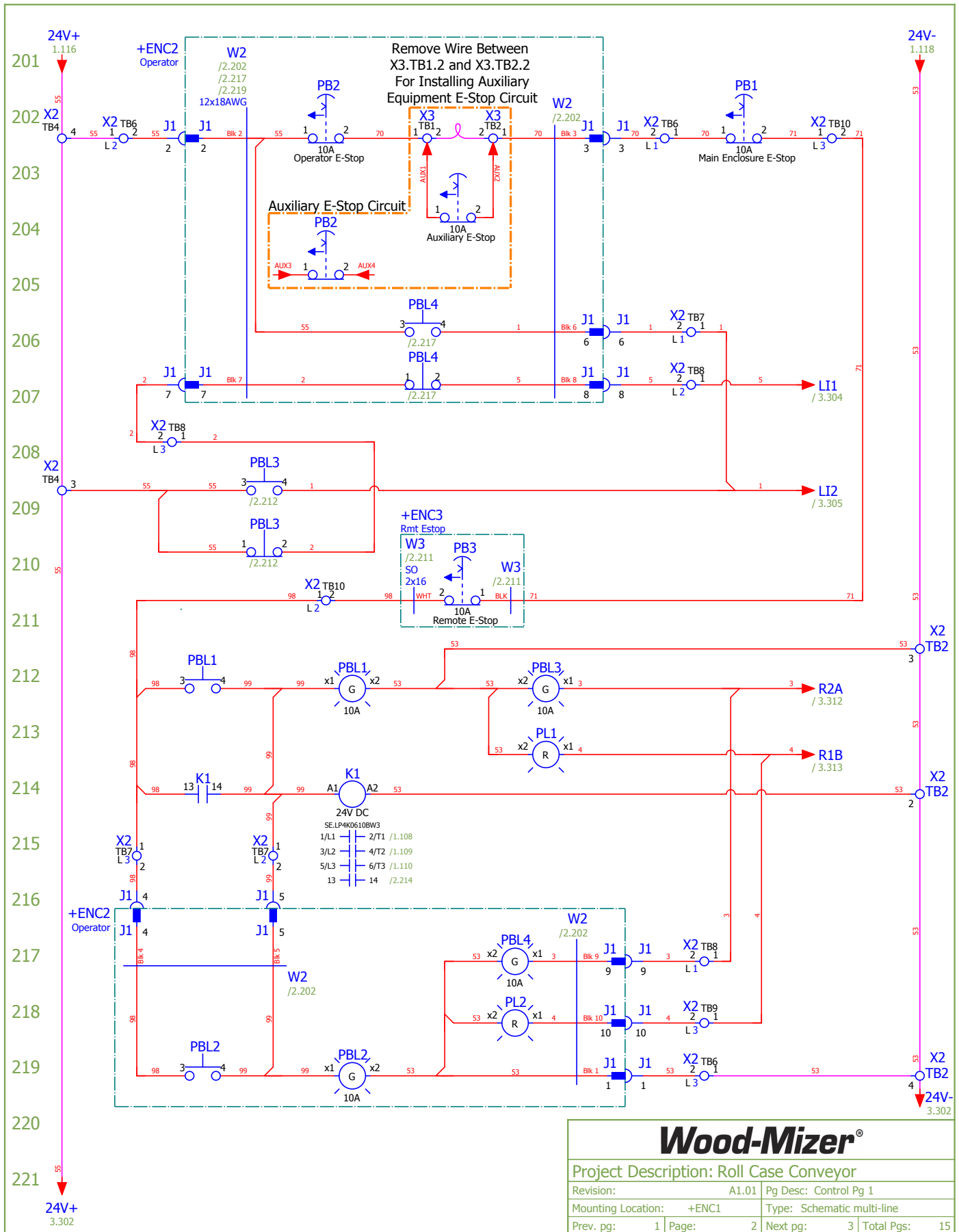
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Voltage	480VAC +4/-10%
Phase	3Ph
Frequency	60 Hz
FLA Machine	6.8 A
FLA Largest Load	3.1 A
Wiring Diagram	2220
SCCR	5kA

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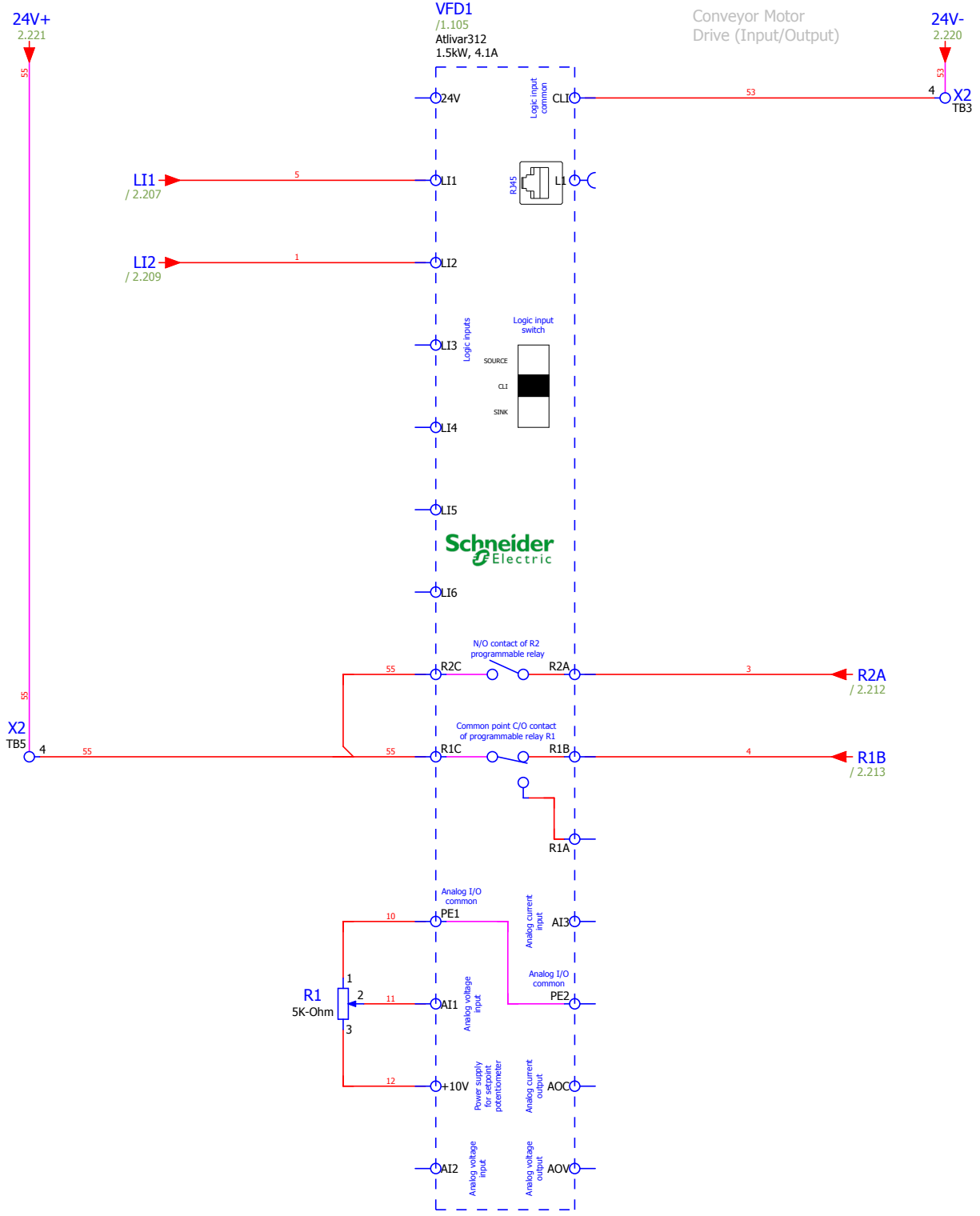
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Project Description: Roll Case Conveyor			
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Project Description: Roll Case Conveyor			
Revision:	A1.01	Pg Desc: Control Pg 2	
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Next pg:+	Docs/C1	Total Pgs:	15

Device Tag/Parts List

WM_PARTS_LIST-Manual

Device tag	Function	Wood-Mizer Part Number	Wood-Mizer Description	Qty.	X-Ref
F1	Main Power Fuses	068064	Fuse, 15A Class J Cube	1	+ENC1/1.106
F1	=	053736	Fuseholder, Cube 30A	1	+ENC1/1.106
F2	=	068064	Fuse, 15A Class J Cube	1	+ENC1/1.106
F2	=	053736	Fuseholder, Cube 30A	1	+ENC1/1.106
F3	=	068064	Fuse, 15A Class J Cube	1	+ENC1/1.106
F3	=	053736	Fuseholder, Cube 30A	1	+ENC1/1.106
F4	Roller Motor Drive Fuses	069914	Fuse, 10A Class J Cube	1	+ENC1/1.108
F4	=	053736	Fuseholder, Cube 30A	1	+ENC1/1.108
F5	=	069914	Fuse, 10A Class J Cube	1	+ENC1/1.109
F5	=	053736	Fuseholder, Cube 30A	1	+ENC1/1.109
F6	=	069914	Fuse, 10A Class J Cube	1	+ENC1/1.110
F6	=	053736	Fuseholder, Cube 30A	1	+ENC1/1.110
F7	Power Supply Fuses	068066	Fuse Holder, 2P Class CC Wire Clamps	1	+ENC1/1.117
F7	=	052446	Fuse, 2A 600V KLDR Class CC	1	+ENC1/1.117
F8	=	068066	Fuse Holder, 2P Class CC Wire Clamps	1	+ENC1/1.116
F8	=	052446	Fuse, 2A 600V KLDR Class CC	1	+ENC1/1.116
G1	24VDC Power Supply	068068	Power Supply, 24VDC 3A 100-120/200-500V	1	+ENC1/1.115
K1	Coil for Power Contactor	050442	Contactor, 6A 3P 24VDC Low Pwr Coil	1	+ENC1/2.214
M1	Roller Motor	079197	Motor, 2HP 3P 230/460 56C Premium Eff	1	+ENC1/1.108
PB1	Main Enclosure E-Stop	068950	Collar, Mount 1NC ZB5	1	+ENC1/2.202
PB1	=	068940	Pushbutton Head, 22mm E-Stop Twist-Pull	1	+ENC1/2.202
PB2	Operator E-Stop	068950	Collar, Mount 1NC ZB5	1	+ENC1/2.202
PB2	=	068940	Pushbutton Head, 22mm E-Stop Twist-Pull	1	+ENC1/2.202
PB2	=	068921	Contact Block, NC ZB5	1	+ENC1/2.202
PB3	Remote E-Stop	068950	Collar, Mount 1NC ZB5	1	+ENC1/2.211
PB3	=	068940	Pushbutton Head, 22mm E-Stop Twist-Pull	1	+ENC1/2.211
PBL1	Illuminated Green Push-Button	068910	Light Module, Green ZB5	1	+ENC1/2.212
PBL1	=	052503	Switch Head, PB Green Flush Illum ZB5	1	+ENC1/2.212
PBL1	=	068952	Collar, Mount 1NO ZB5	1	+ENC1/2.212
PBL2	=	068910	Light Module, Green ZB5	1	+ENC1/2.219
PBL2	=	068952	Collar, Mount 1NO ZB5	1	+ENC1/2.219
PBL3	Illuminated Green/Red Push-Button	068950	Collar, Mount 1NC ZB5	1	+ENC1/2.212
PBL3	=	068910	Light Module, Green ZB5	1	+ENC1/2.212
PBL3	=	068952	Collar, Mount 1NO ZB5	1	+ENC1/2.212
PBL4	=	068950	Collar, Mount 1NC ZB5	1	+ENC1/2.217
PBL4	=	068910	Light Module, Green ZB5	1	+ENC1/2.217
PBL4	=	068920	Contact Block, NO ZB5	1	+ENC1/2.217
PL1	Red Pilot Light	068911	Light Module, Red ZB5	1	+ENC1/2.213
PL2	=	068951	Switch Collar, Mount ZB5	1	+ENC1/2.218
PL2	=	068911	Light Module, Red ZB5	1	+ENC1/2.218
PL2	=	068930	Head, ZB5 Red Pilot Light	1	+ENC1/2.218
Q1	Main Power Disconnect	050903-1	Switch Disconnect, 40A 3Ph Non-Fused	1	+ENC1/1.104
R1	Roller Speed Potentiometer	068077	Potentiometer, 5K-Ohm 22mm	1	+ENC1/3.317
VFD1	Roller Motor Drive	068082	Drive Assy, Roll Case	1	+ENC1/1.105

<h2>Wood-Mizer®</h2>			
Project Description: Roll Case Conveyor			
Revision:	A1.01	Pg Desc:	Device tags/Parts list
Mounting Location:	+Docs	Type:	Parts list
Prev. pg: +ENC1/3	Page:	C1	Next pg: D1
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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +ENC1-X1								
Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Designation	Level	P/N	Description	Diagram	Part number	Part number		
TB1		068111	Terminal Block, 2 Pos 16mm GND Clamp	•		068112		/1.04

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Project Description: Roll Case Conveyor

Revision: A1.01 Pg Desc: Terminal line-up diagram

Mounting Location: +Docs Type: Terminal line-up diagram

Prev. pg: C1 Page: D1 Next pg: D2 Total Pgs: 15

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +ENC1-X2									
Terminal				Jumper		End Plate		Remark	Terminal X-Ref
Designation	Level	P/N	Description	Diagram	Part number	Part number			
TB1		068104	Terminal Block, 4Pos 1.5mm GND Clamp	┆		068105			/1.05
TB2		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆●	068113		Jumper is Trimmed Down to a 2 Position Jumper Between TB2-TB3		/1.18
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆●		068105			/3.03
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper is Trimmed Down to a 2 Position Jumper Between TB4-TB5		/1.16
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●		068105			/3.13
TB6	1	068109	Terminal Block, 3Tier 2.5mm Clamp	●					/2.02
TB6	2			●┆					/2.02
TB6	3			●┆					/2.19
TB7	1	068109	Terminal Block, 3Tier 2.5mm Clamp	┆					/2.06
TB7	2			┆					/2.15
TB7	3			┆					/2.15
TB8	1	068109	Terminal Block, 3Tier 2.5mm Clamp	┆					/2.17
TB8	2			┆					/2.07
TB8	3			┆					/2.08
TB9	1	068109	Terminal Block, 3Tier 2.5mm Clamp	┆		068110			/2
TB9	2			┆					/2
TB9	3			┆					/2.18
TB10	1	068109	Terminal Block, 3Tier 2.5mm Clamp	┆		068110			/2
TB10	2			┆					/2.11
TB10	3			┆					/2.02

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Project Description: Roll Case Conveyor

Revision: A1.01 Pg Desc: Terminal line-up diagram

Mounting Location: +Docs Type: Terminal line-up diagram

Prev. pg: D1 Page: D2 Next pg: D3 Total Pgs: 15

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +ENC2-X3

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Designation	Level	P/N	Description	Diagram	Part number	Part number		
TB1		052293-2	Junction Block, 2-Position Wire Clamp	●			Remove Wire Between X3.TB1.2 and X3.TB2.2 For Installing Auxiliary Equipment E-Stop Circuit	+ENC1/2.02
TB2		052293-2	Junction Block, 2-Position Wire Clamp	●				+ENC1/2.02

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Project Description: Roll Case Conveyor

Revision: A1.01 Pg Desc: Terminal line-up diagram

Mounting Location: +Docs Type: Terminal line-up diagram

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Cable overview

Wood-Mizer_Cable_Overview

Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
W1	068087	Cable Assy, Roll Case Motor	+ENC1/1.111
W2	068083	Cable Assy, Roll Case Operator	+ENC1/2.202
W3	068086	Cable Assy, Roll Case E-Stop	+ENC1/2.211

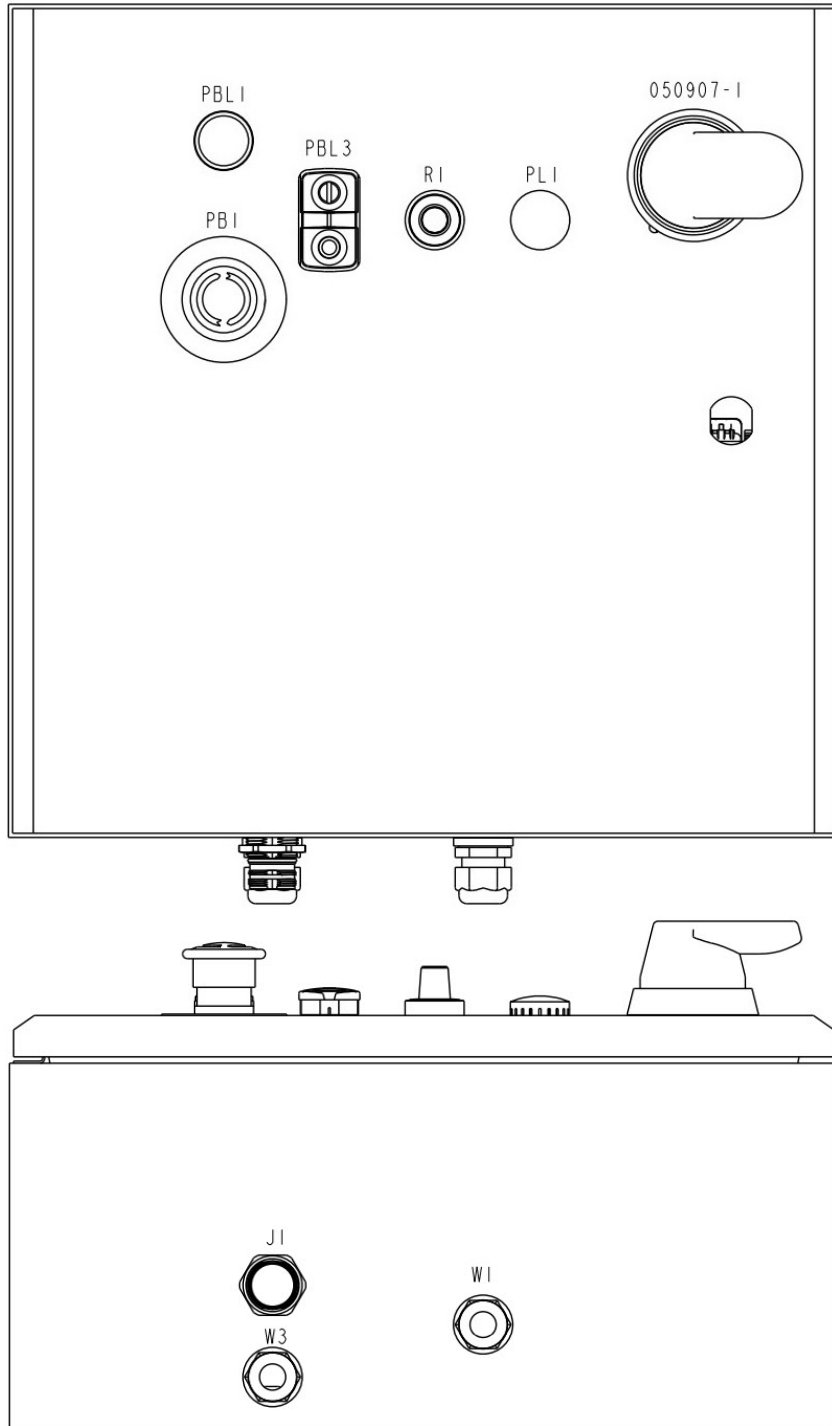
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Project Description: Roll Case Conveyor

Revision: A1.01 Pg Desc: Cable overview

Mounting Location: +Docs Type: Cable overview

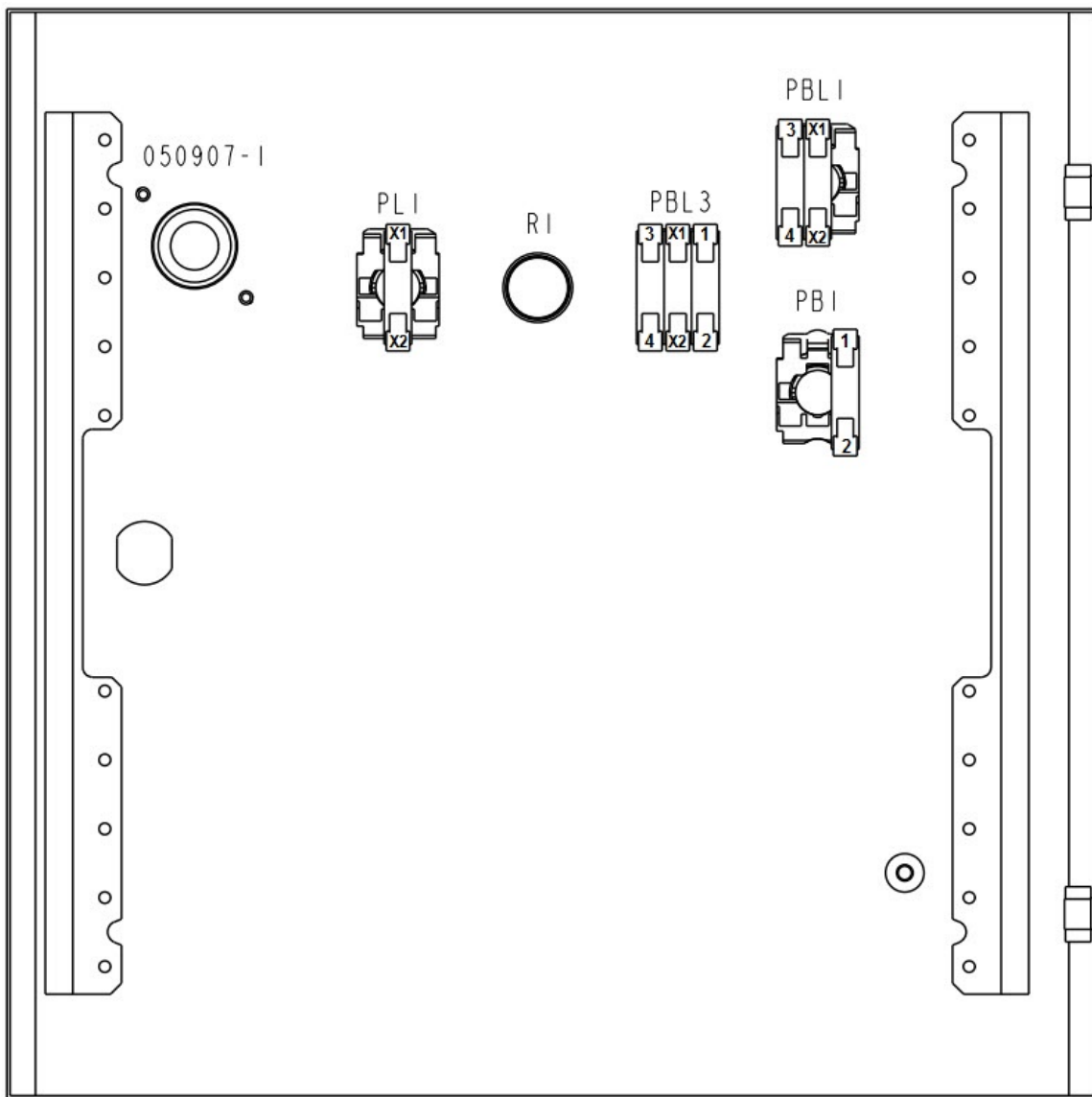
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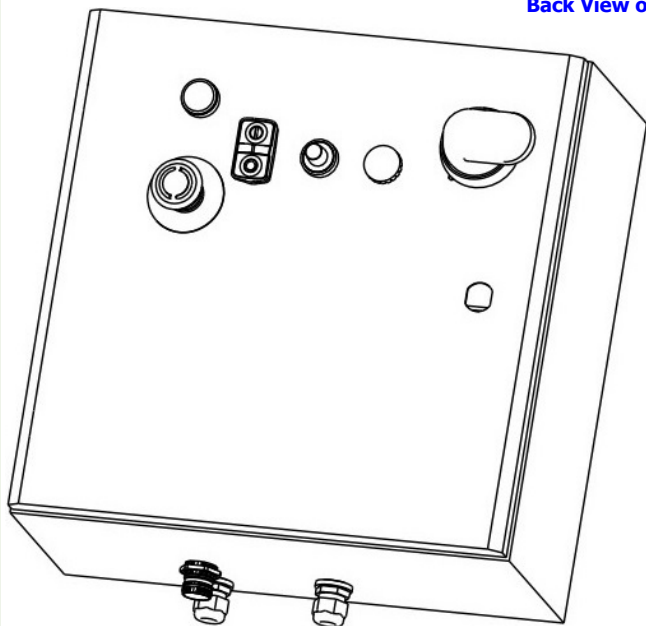
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Project Description: Roll Case Conveyor

Revision:	A1.01	Pg Desc:	Main Control Layout 1
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Back View of Components on Door



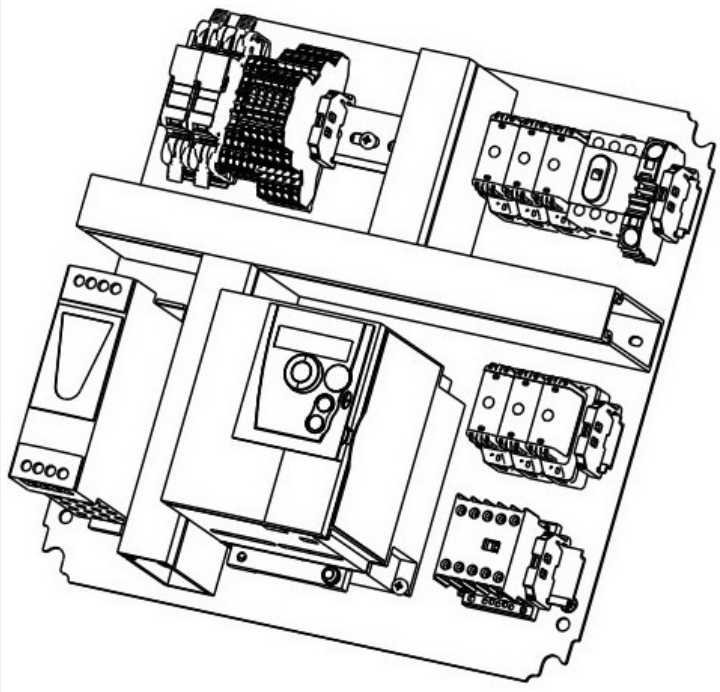
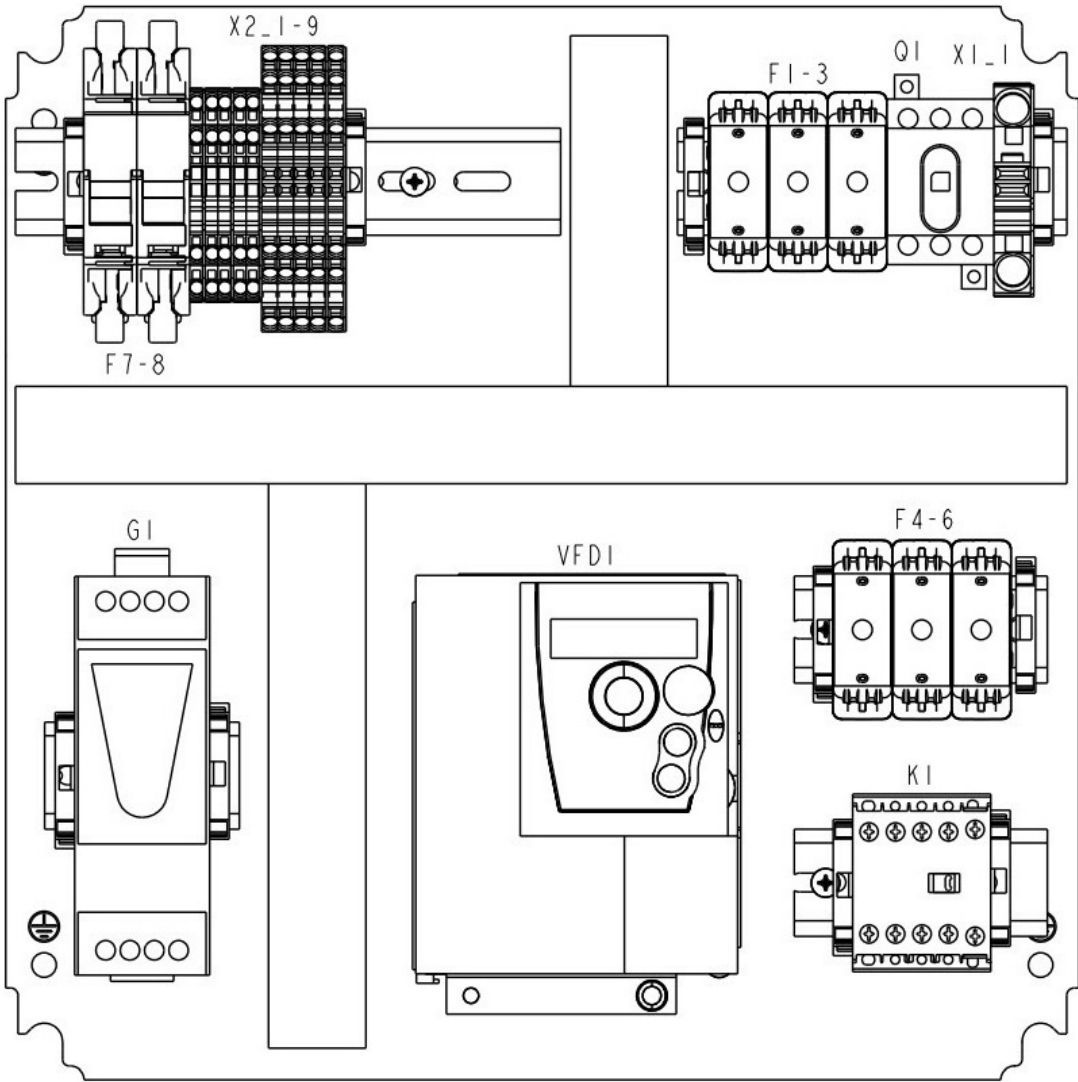
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Project Description: Roll Case Conveyor

Revision: A1.01 Pg Desc: Main Control Layout 2

Mounting Location: +Docs Type: Panel layout

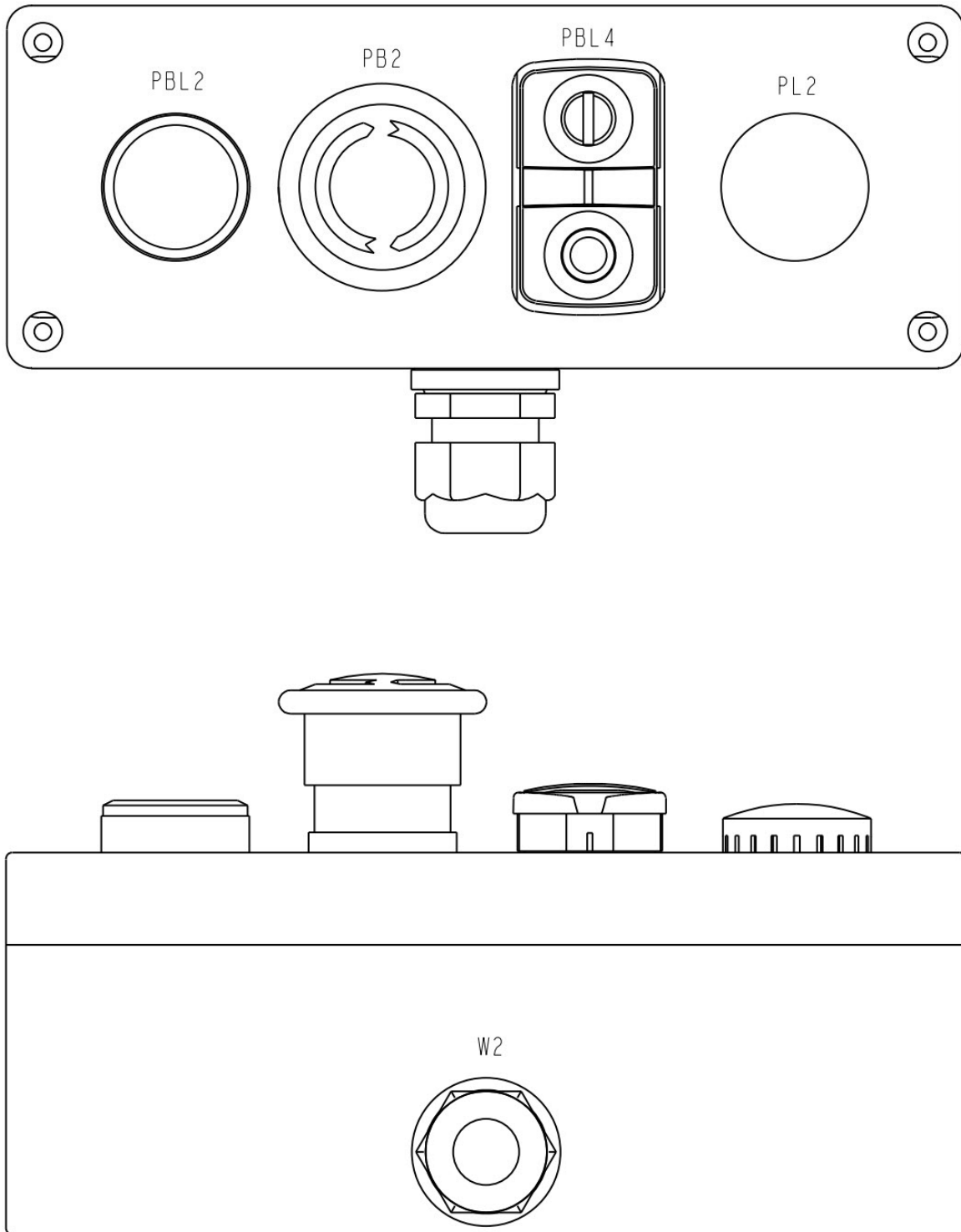
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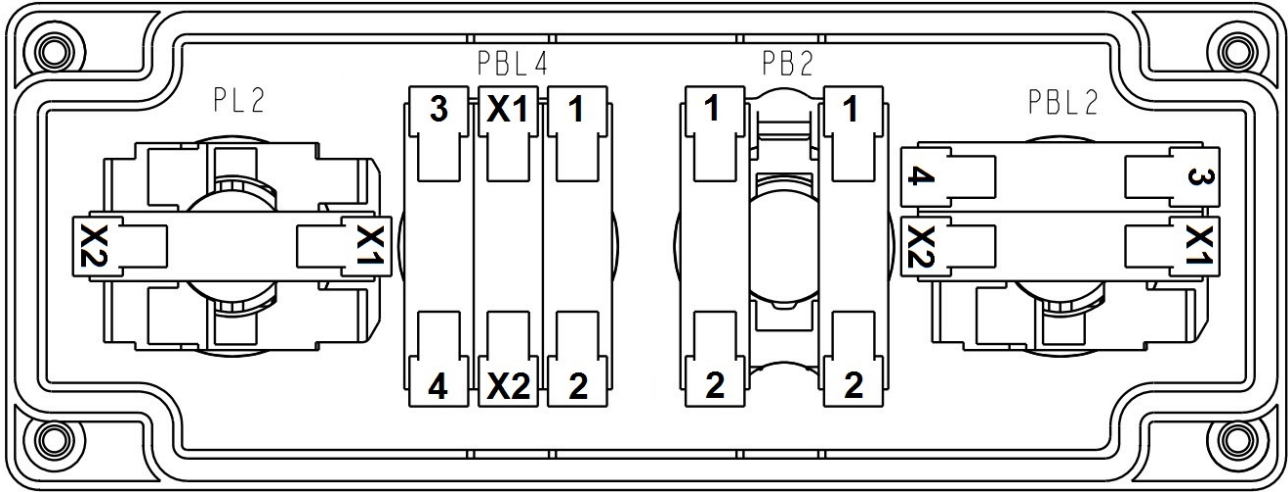
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Project Description: Roll Case Conveyor

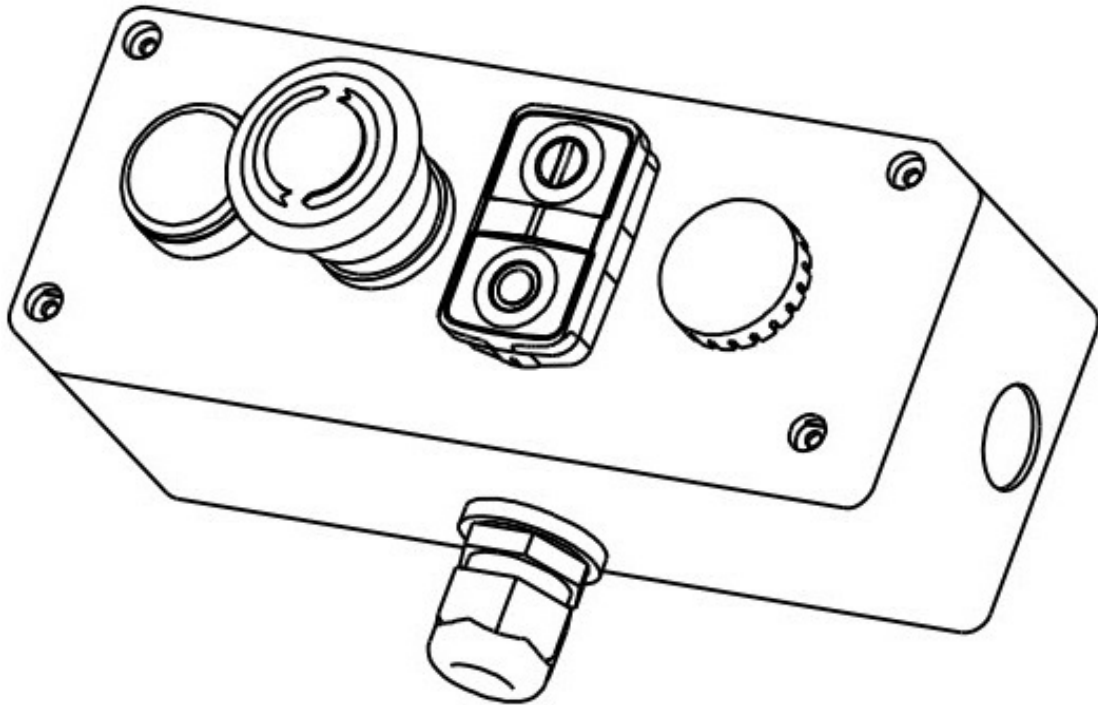
Revision:	A1.01	Pg Desc:	Insert Panel Layout
Mounting Location:	+Docs	Type:	Panel layout
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Wood-Mizer®			
Project Description: Roll Case Conveyor			
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Mounting Location:	+Docs	Type: Panel layout	
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Back View of Components



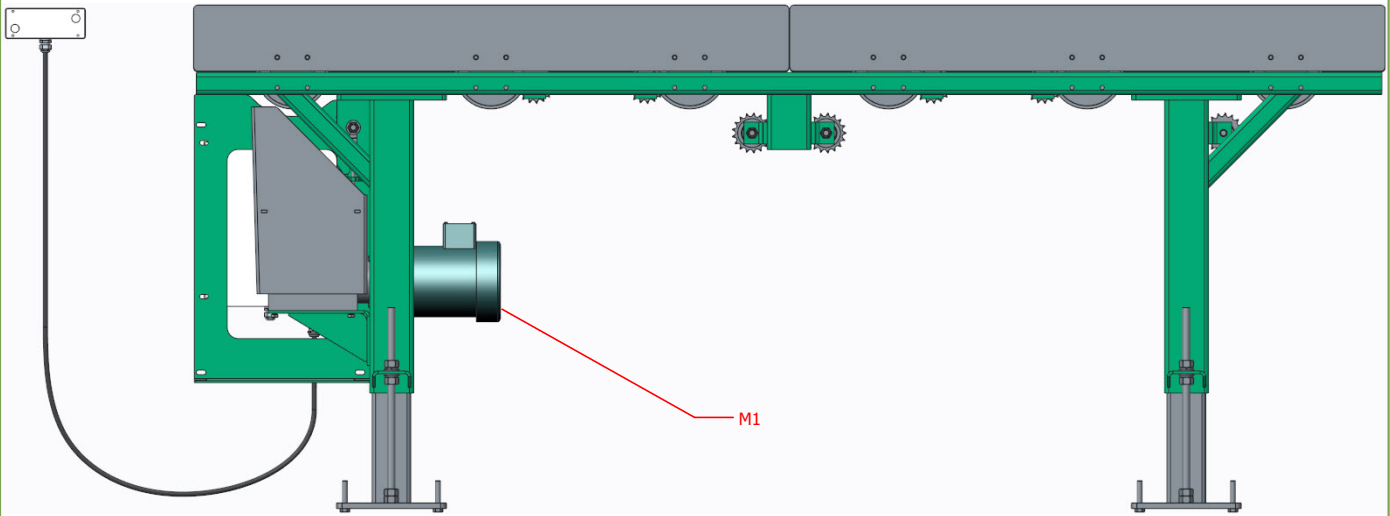
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Project Description: Roll Case Conveyor

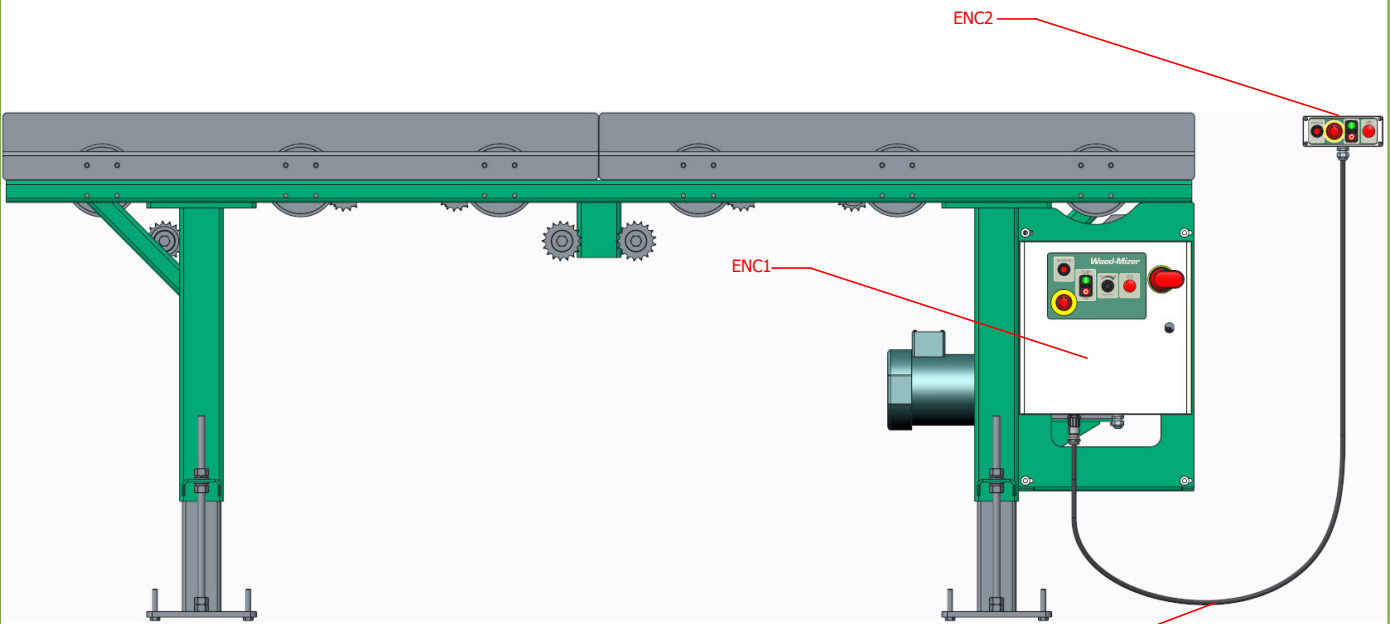
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Mounting Location: +Docs Type: Panel layout

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Left View



Right View

Wood-Mizer®			
Project Description: Roll Case Conveyor			
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Mounting Location:	+Docs	Type: Panel layout	
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