

APPENDIX A ELECTRICAL INFORMATION

WM4500 Rev. A1.00-A1.03 with Optional Pull Down Clamps RETROFIT Kit

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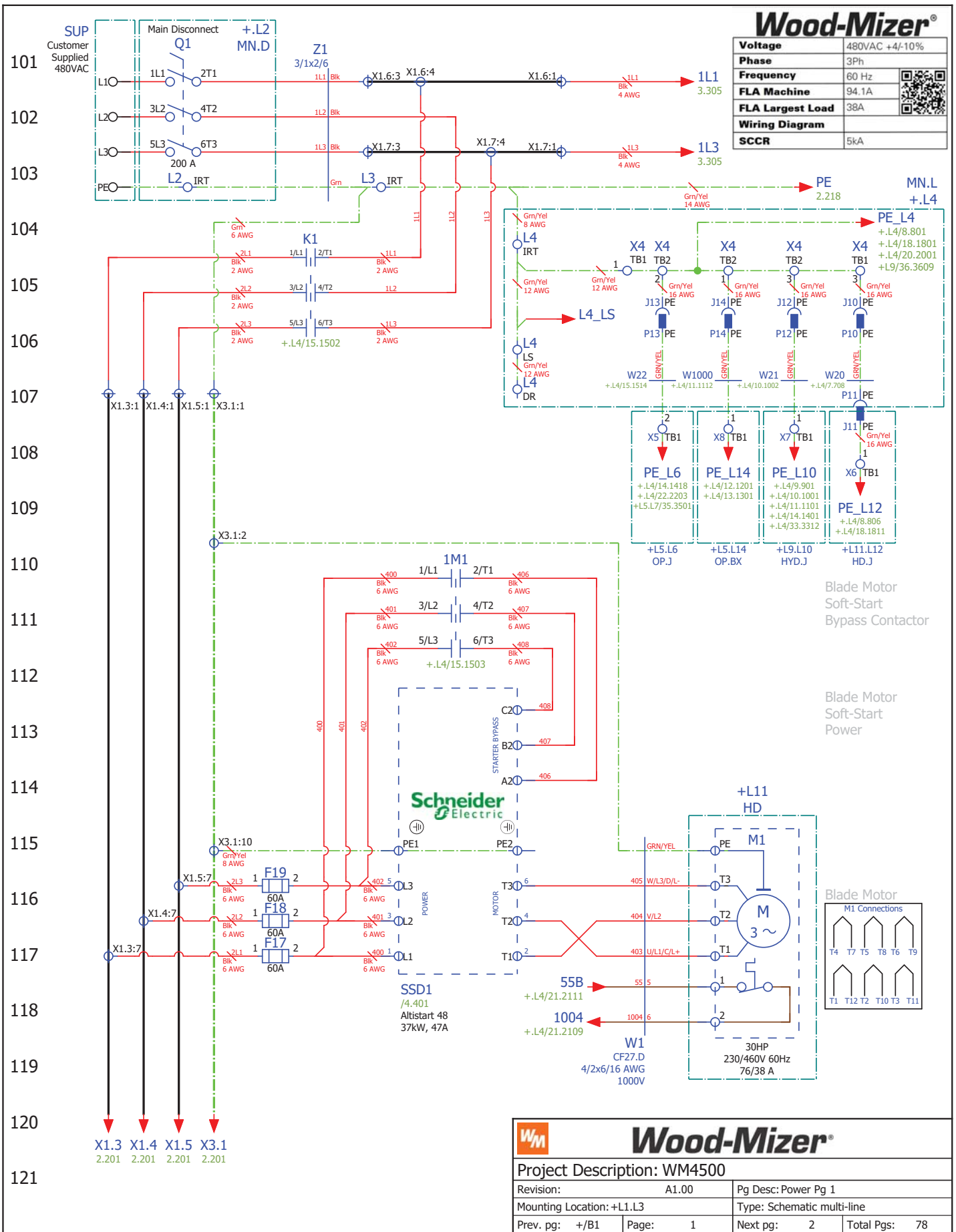
Revision History

Date	Revision	Revision Record	Drawn By	Checked By
9/23/13	A2.00	Changed Proportional Controller (068163 to 068227) and Proportional Controller Cable (069951 to 068229), Old Controller Obsolete.	JRF	SDC
11/18/13	A3.00	Added a Dump Valve to the Hydraulic Power Unit and made the Hydraulic Pump Motor run continuously.	JRF	SDC
2/5/14	A4.00	Added Controls for 12' Hydraulic Bed Extension.	JRF	SDC
3/18/14	A4.01	Added Controls For Side Supports on Loading Side of Mill.	JRF	SDC
4/17/14	A4.02	Error Correction on Analog Output Card.	JRF	SDC
9/4/14	A5.00	Changed Manufacturer of G2 Power Supply.	JRF	SDC
5/19/15	A6.00	Increased Size of G2 Power Supply.	JRF	SDC
5/25/16	A7.00	Improved Auxiliary E-Stop Circuit Connections.	JRF	SDC
8/1/16	A8.00	New Feed Motor.	JRF	SDC
6/27/17	B1.00	New Feed Drive and HMI.	JRF	SDC
9/25/17	B1.01	Feed Encoder parameter change for reverse rotation.	JRF	SDC
11/29/17	B1.02	Added PE wire to control terminals on Feed Drive.	JRF	SDC
4/5/18	B2.00	Replaced M258 PLC with M251	JRF	SDC
5/2/18	B3.00	Changed Hydraulic Pump Motor	JRF	SDC

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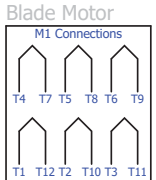
Wood-Mizer®

Voltage	480VAC +4/-10%
Phase	3Ph
Frequency	60 Hz
FLA Machine	94.1A
FLA Largest Load	38A
Wiring Diagram	
SCCR	5kA



Blade Motor
Soft-Start
Bypass Contactor

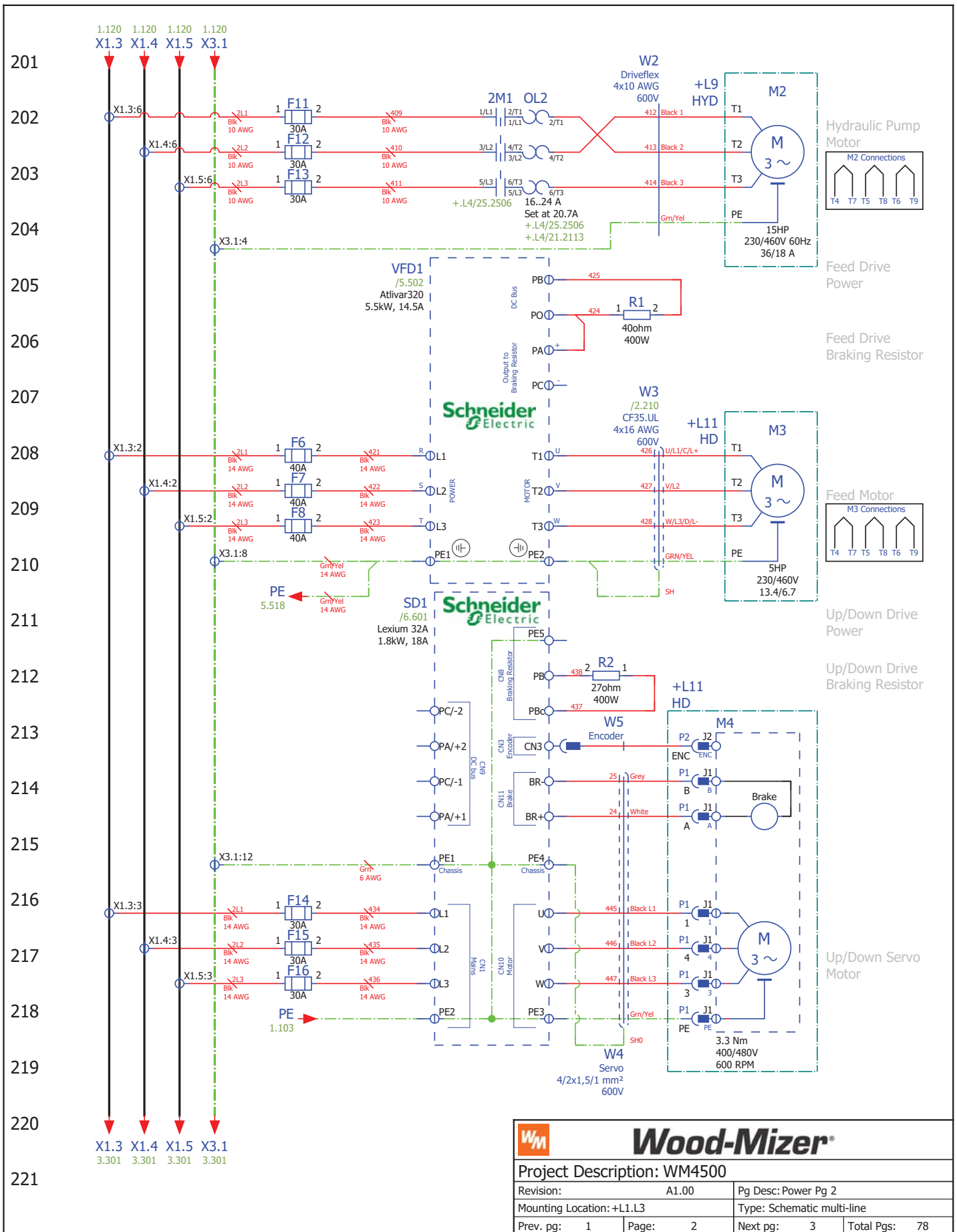
Blade Motor
Soft-Start
Power



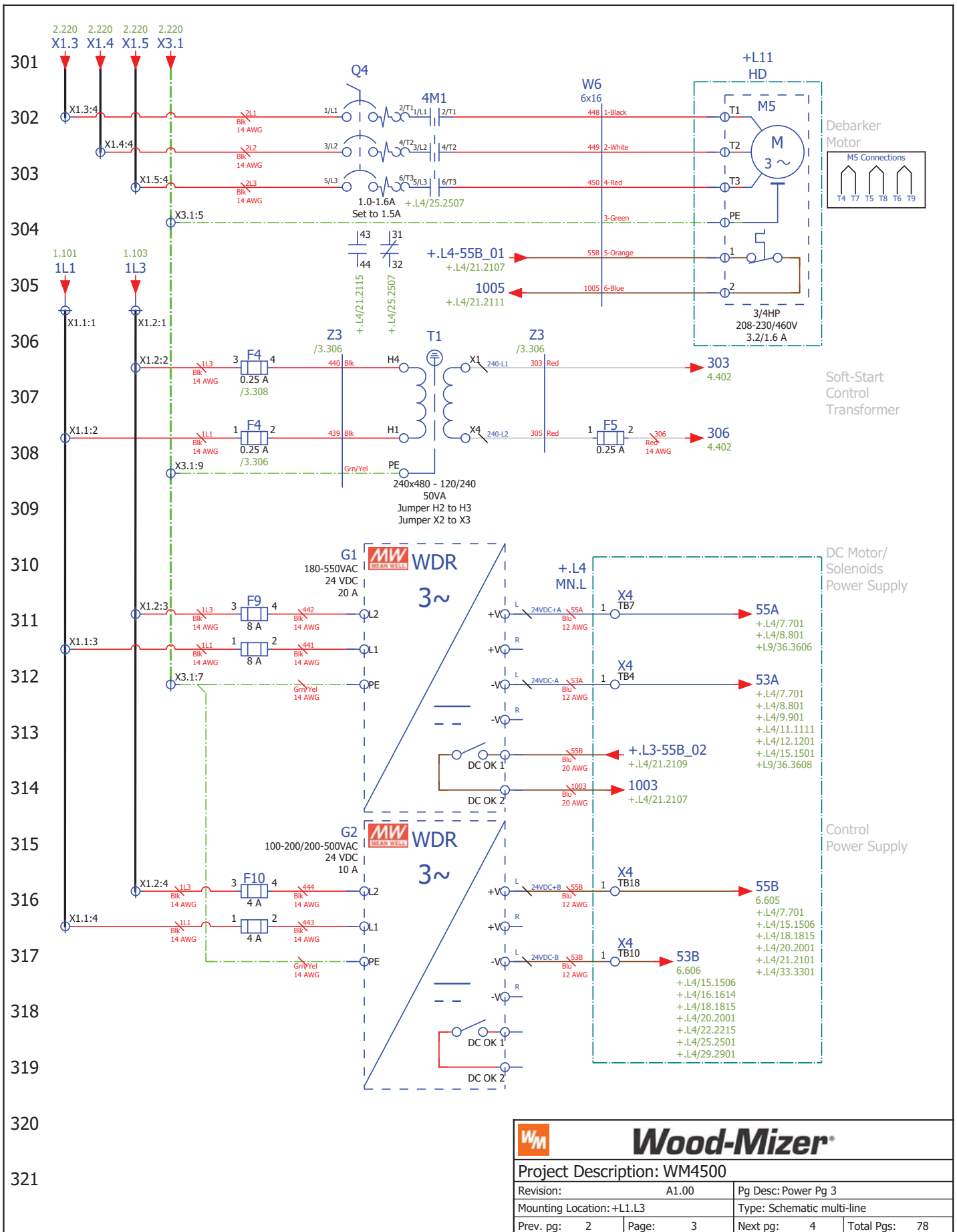
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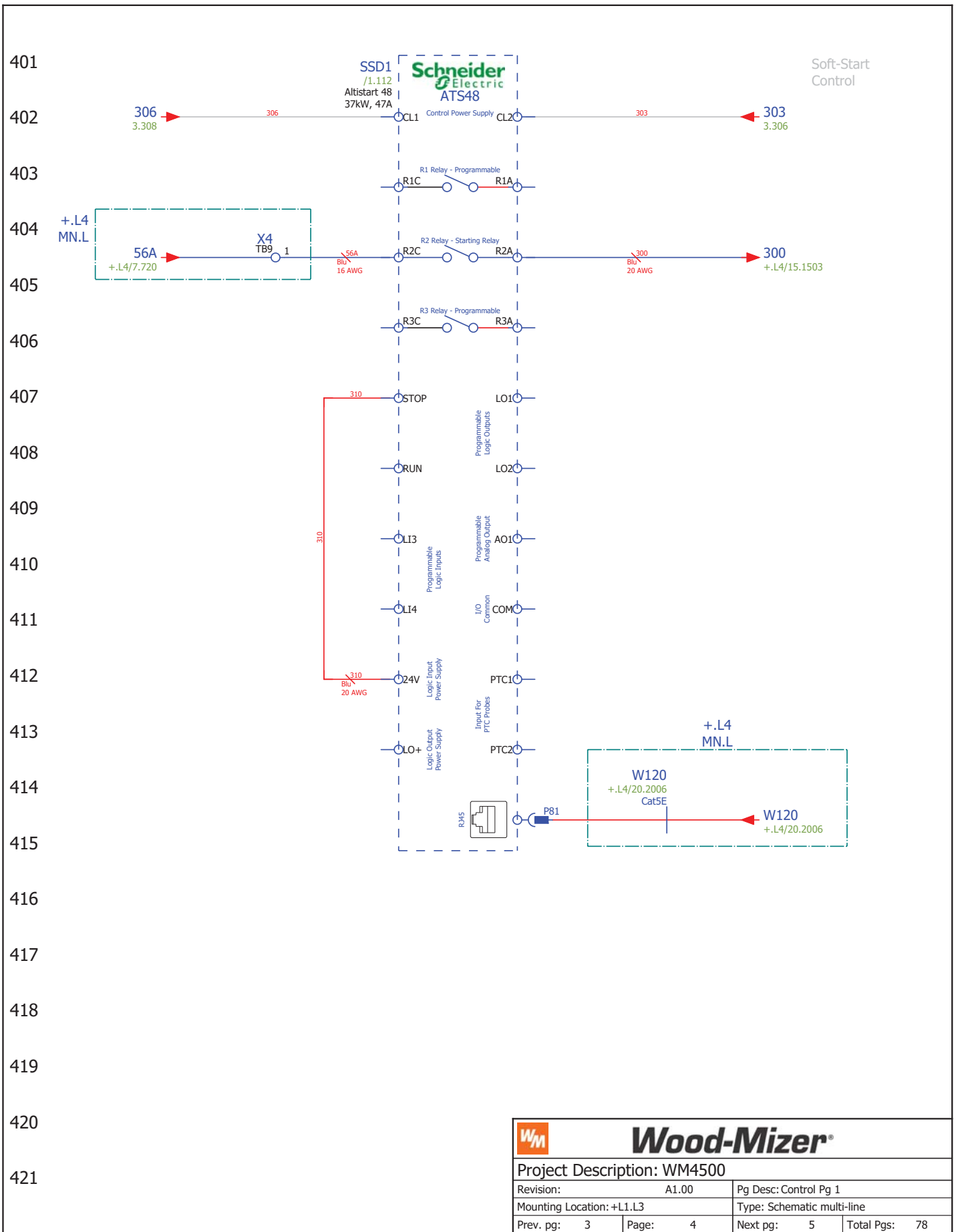
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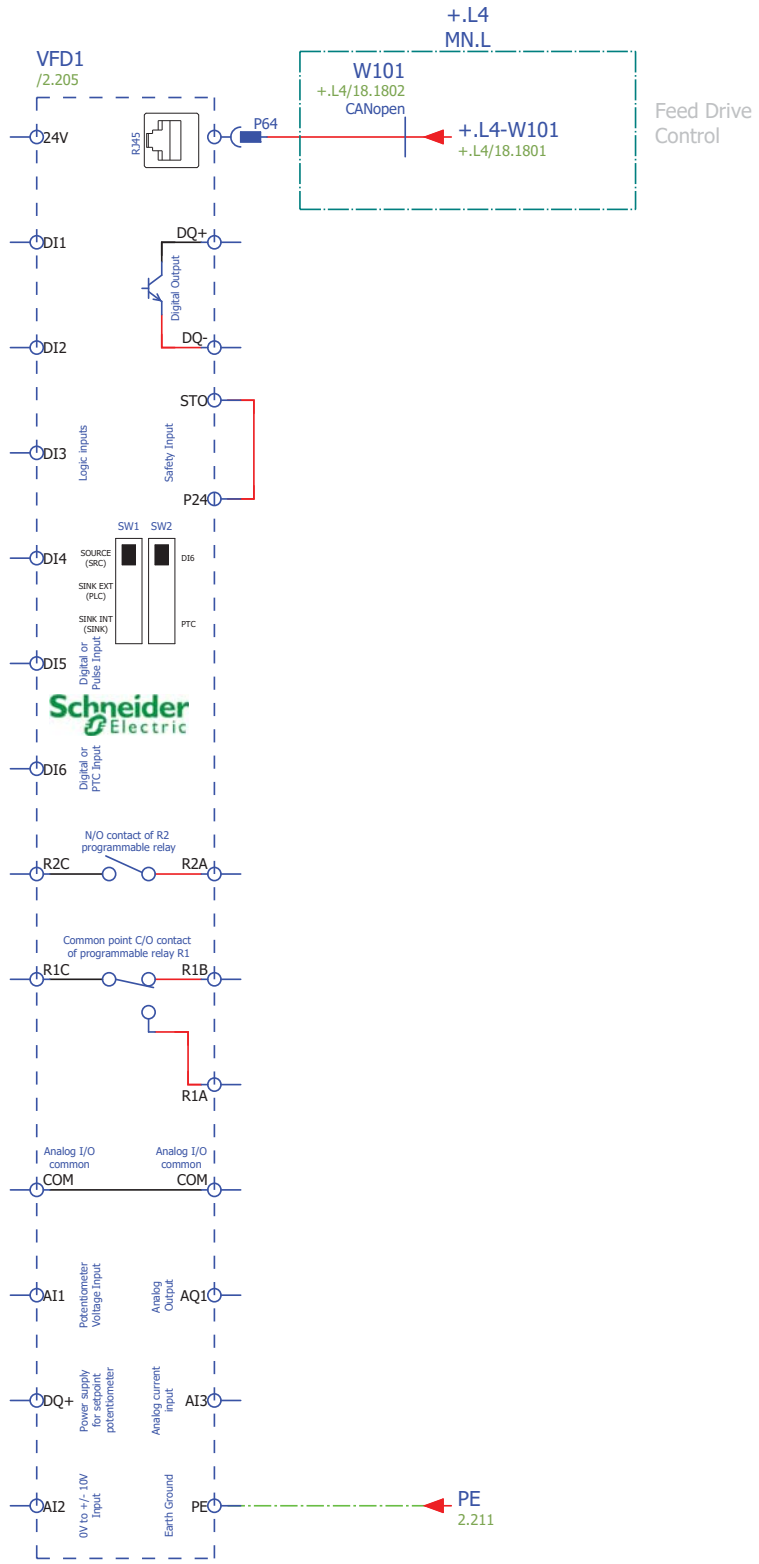
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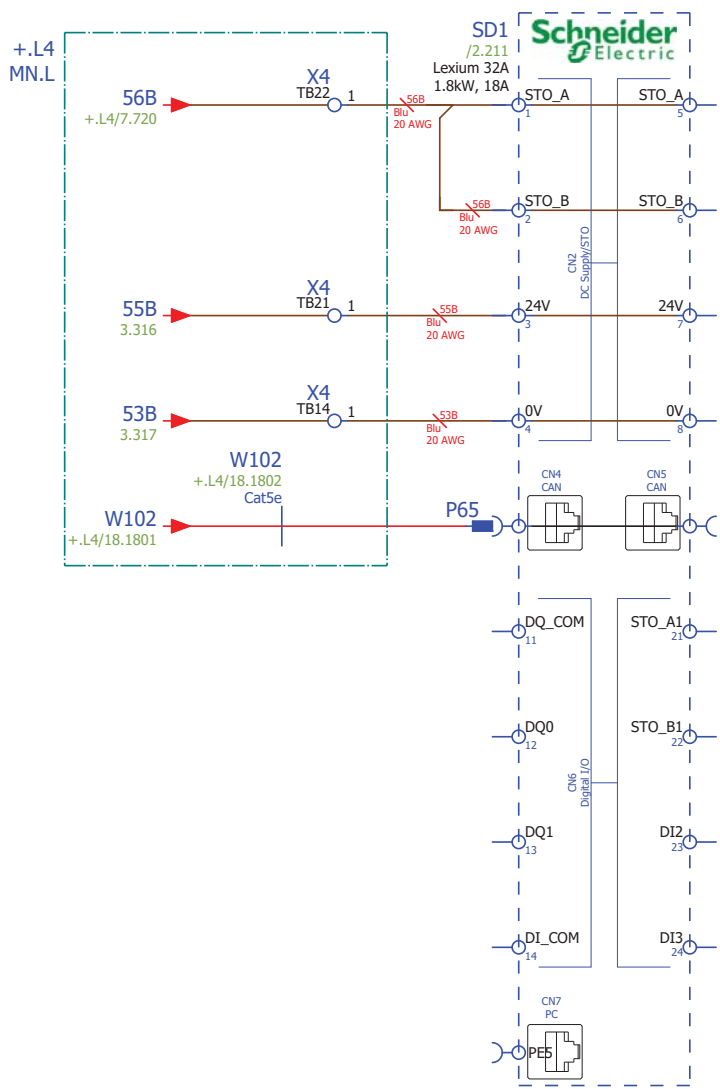
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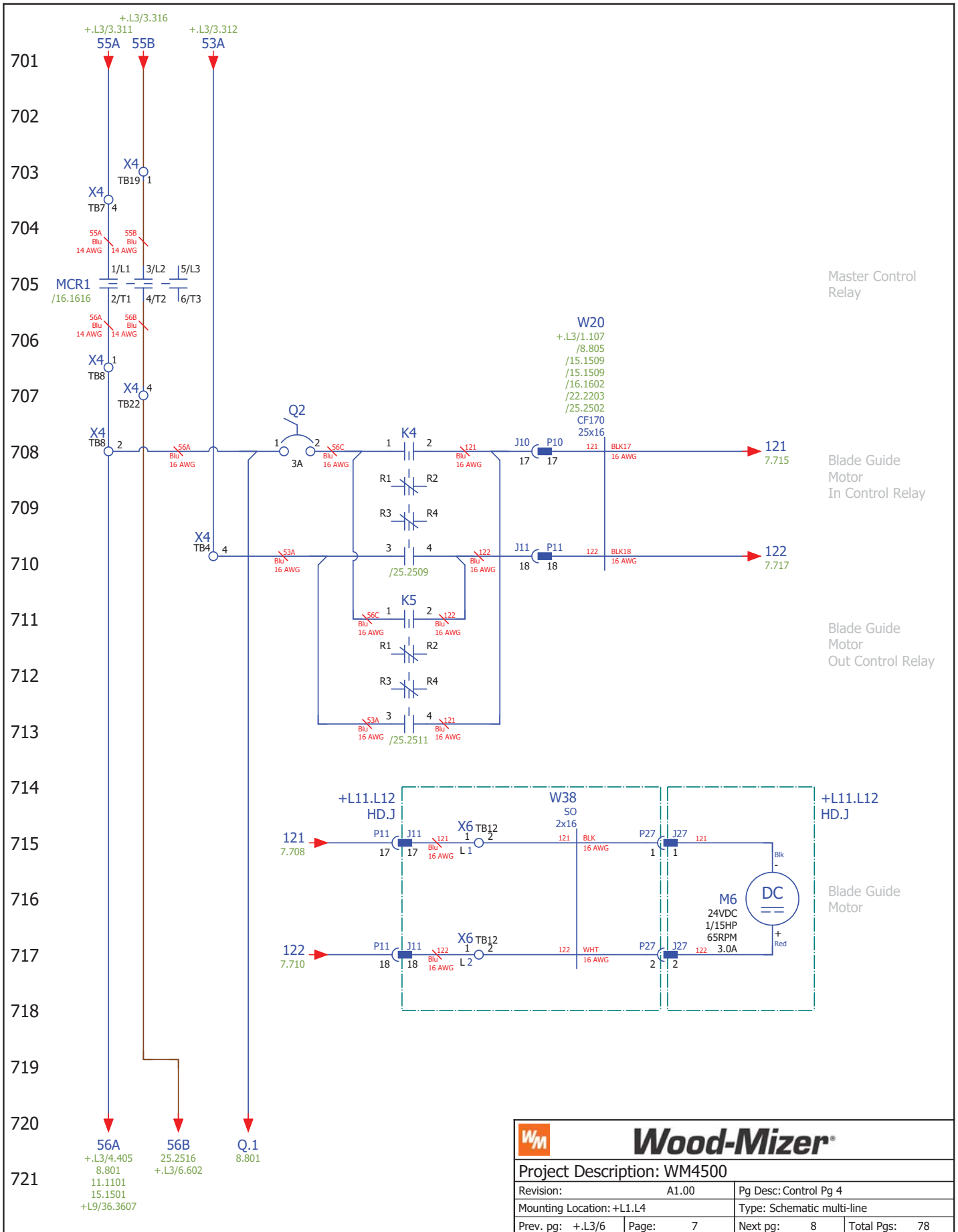
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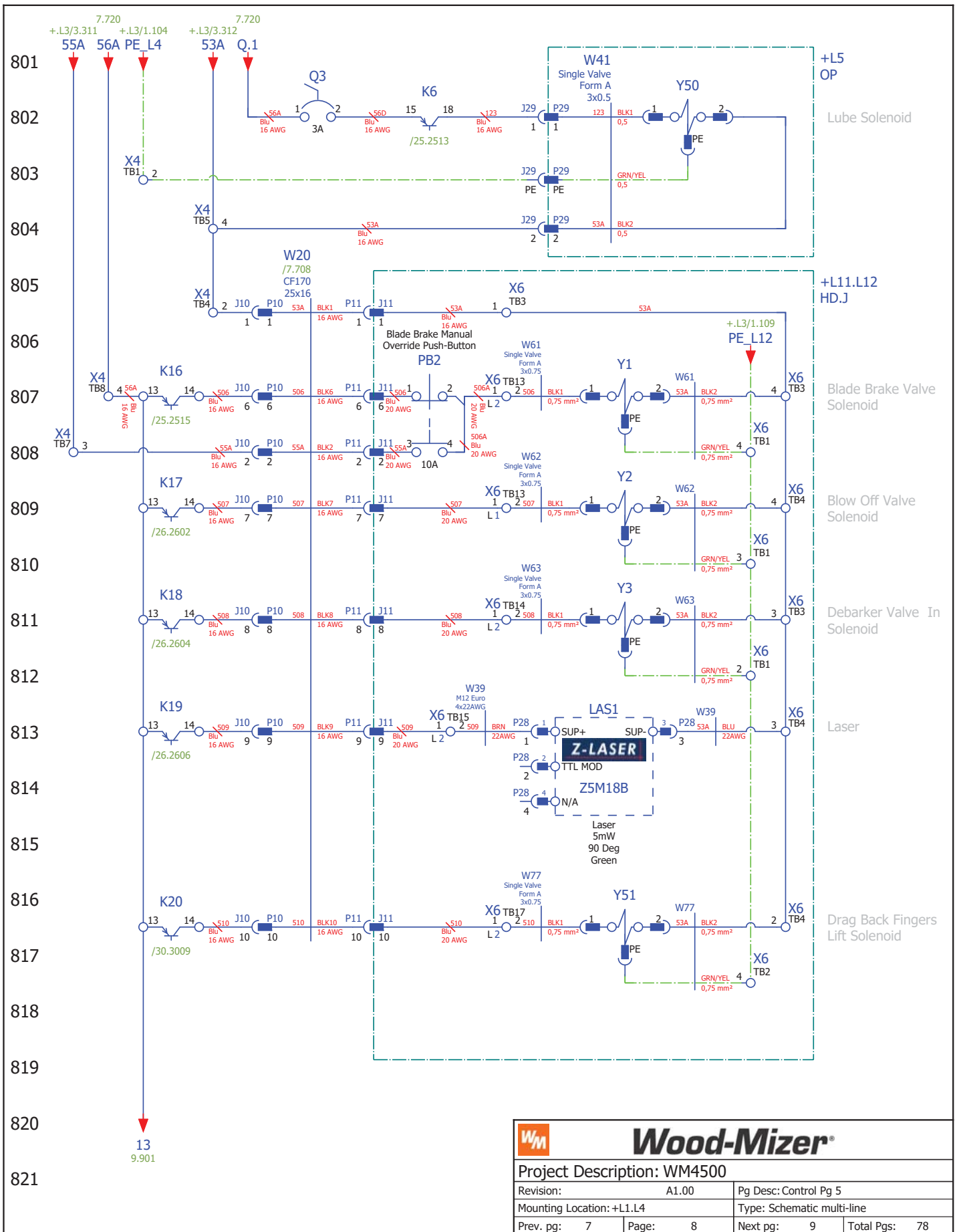
Up/Down Drive Control




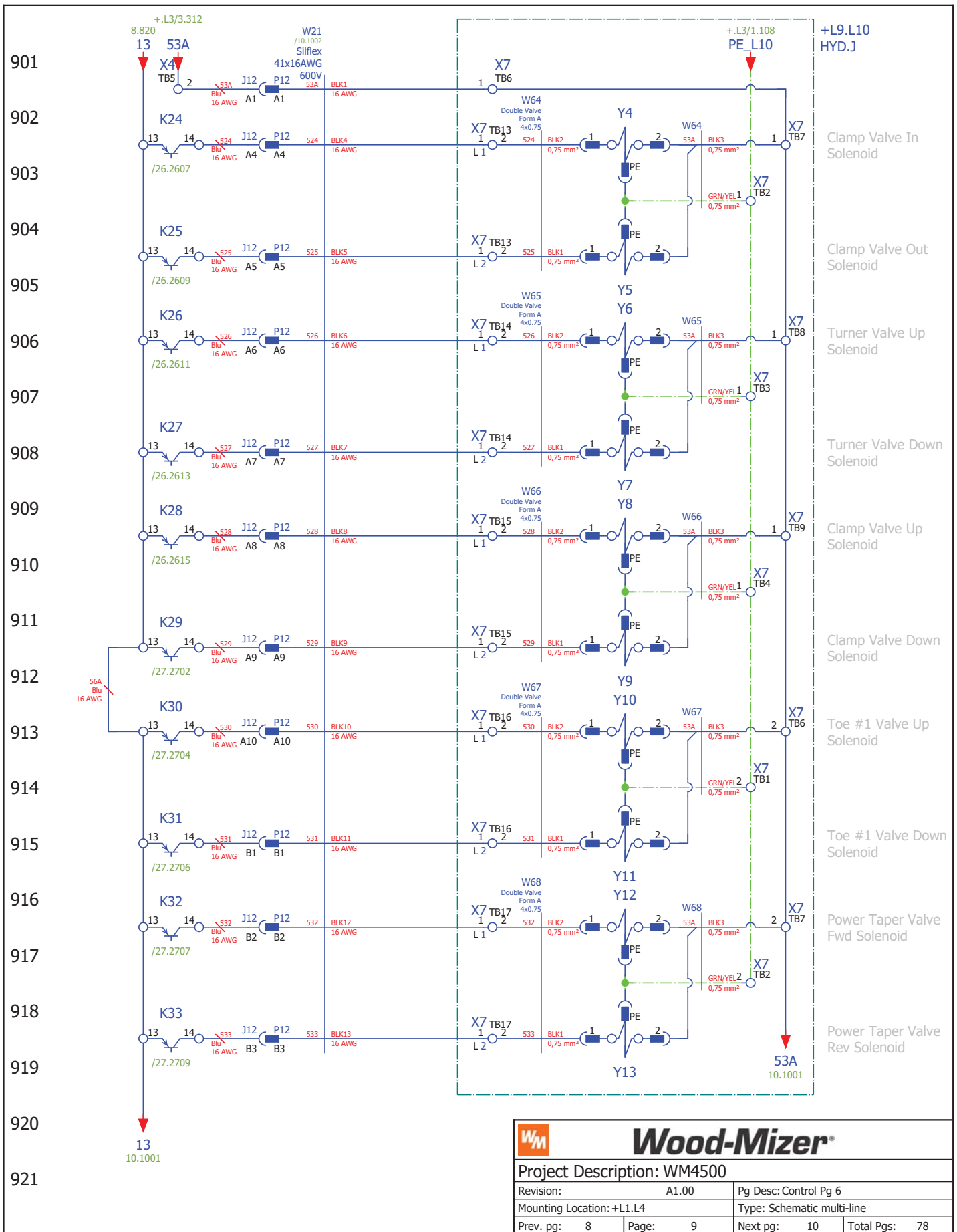
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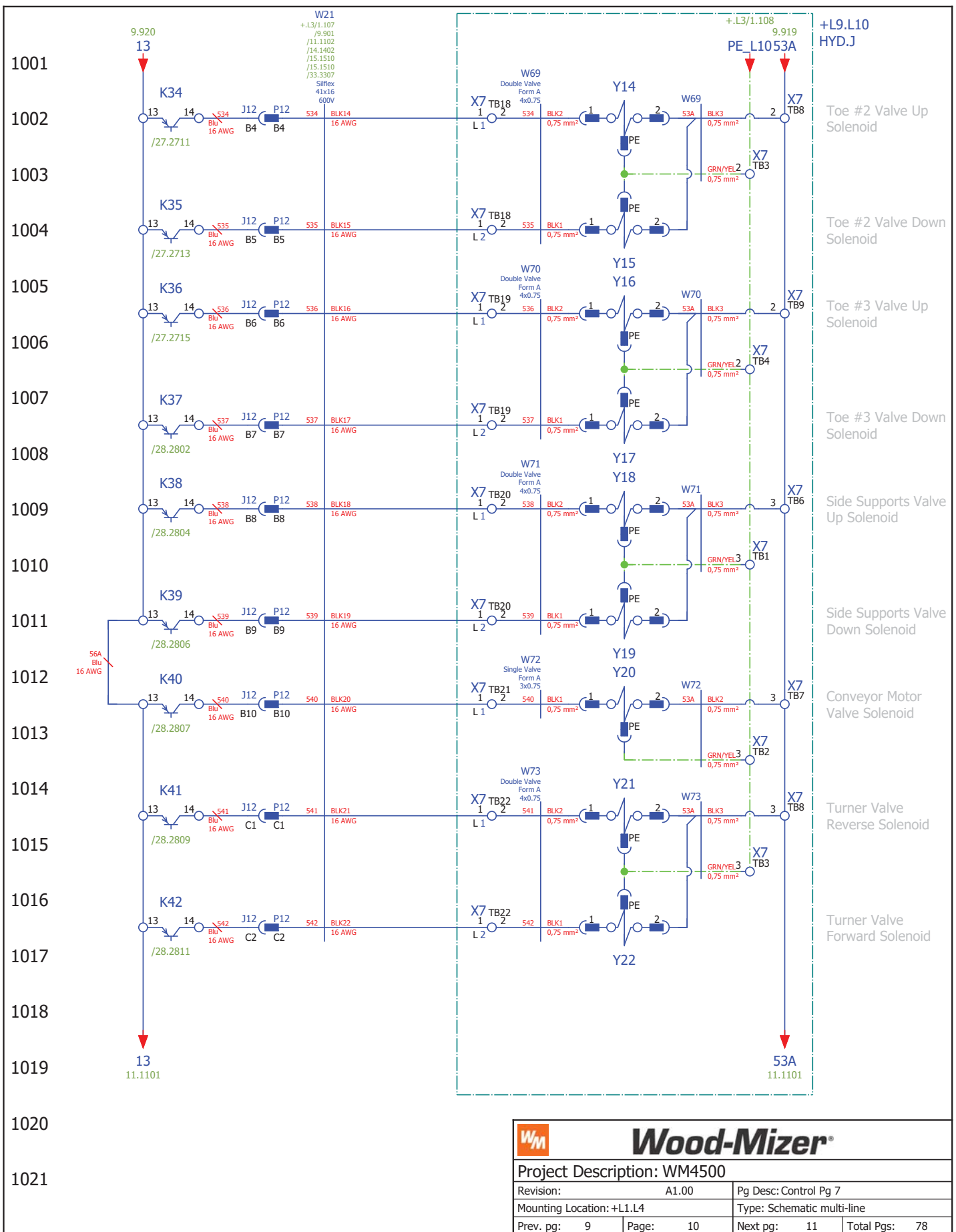


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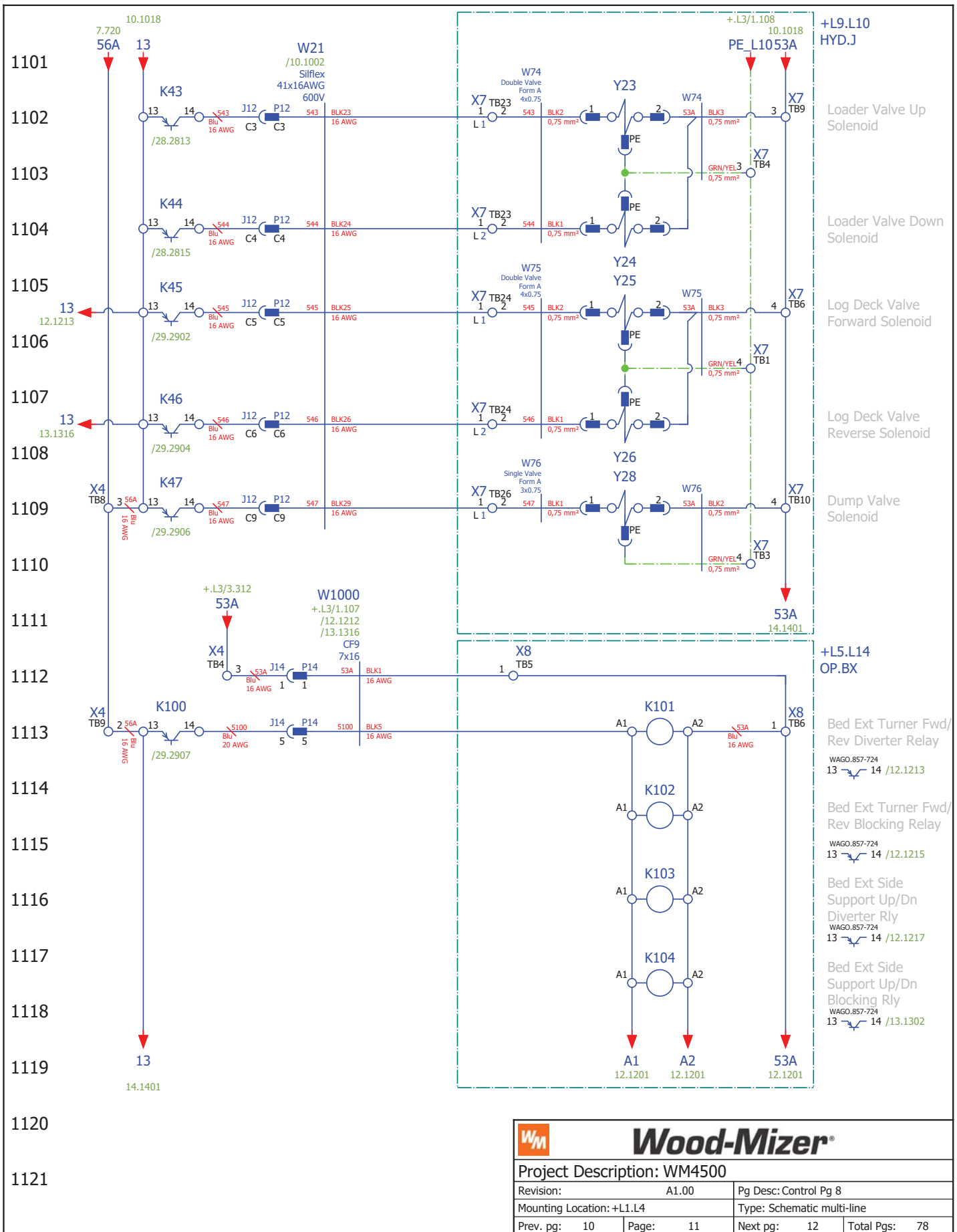


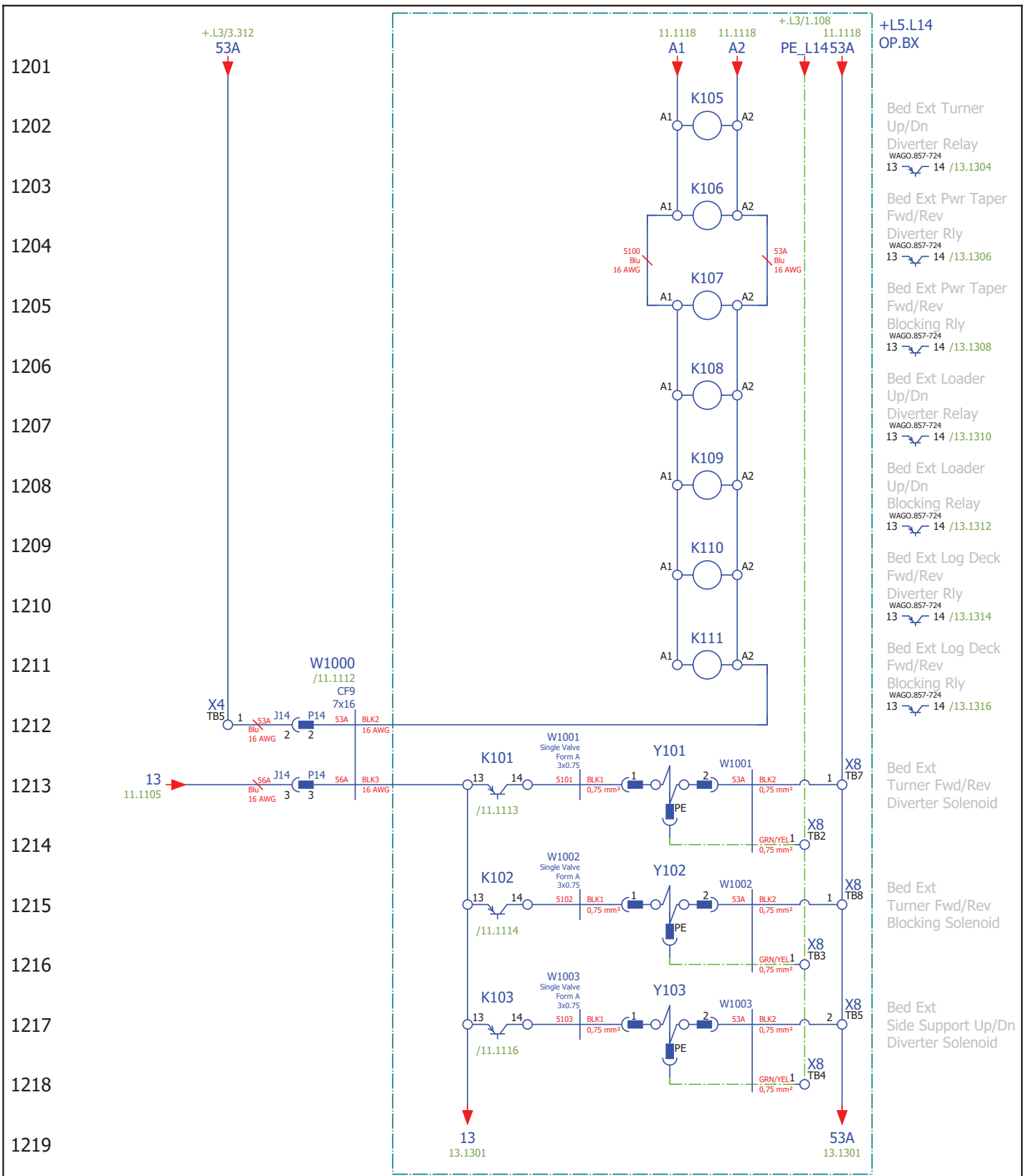
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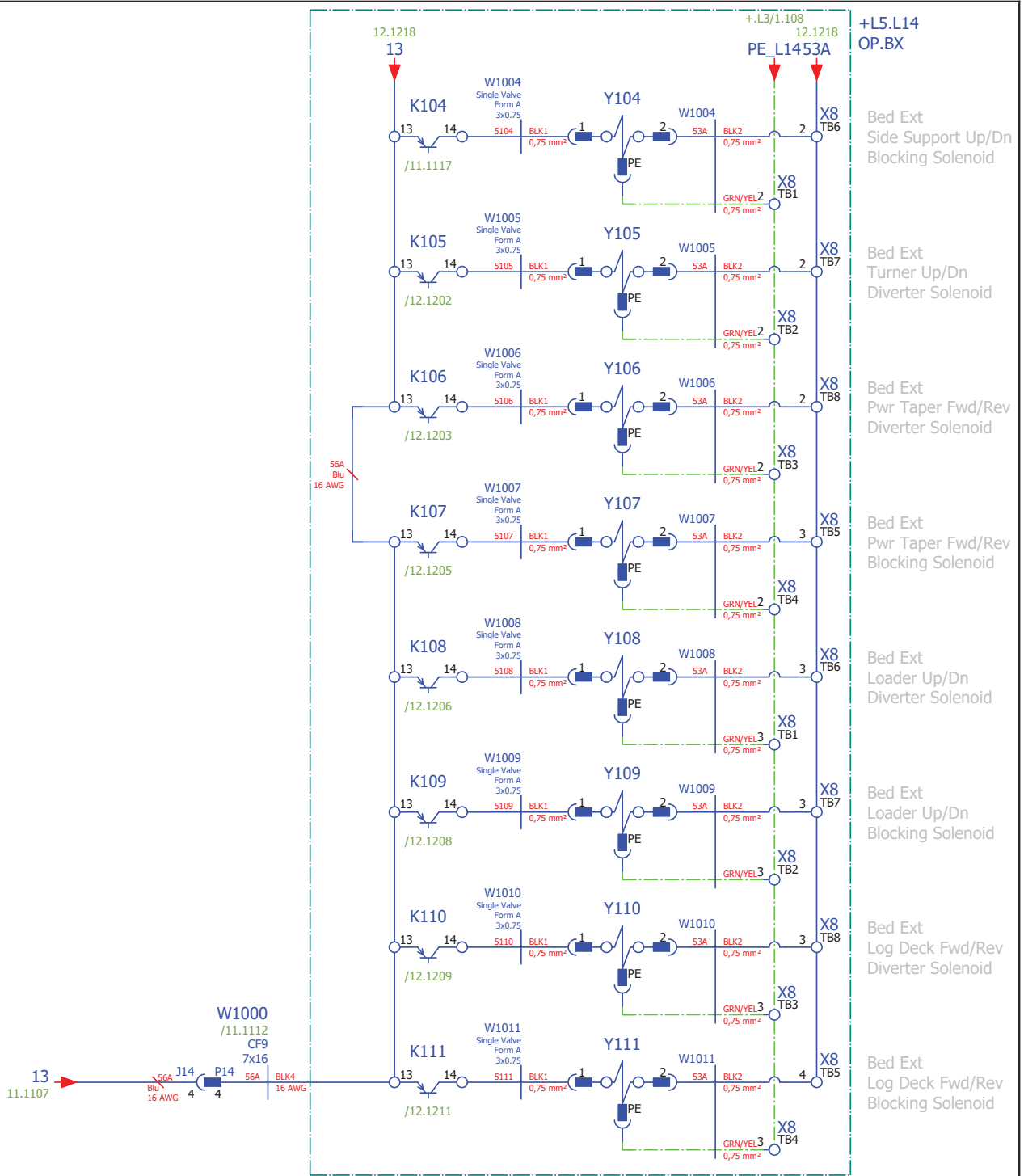


- Bed Ext Turner Up/Dn Diverter Relay WAGO.857-724 13 14 /13.1304
- Bed Ext Pwr Taper Fwd/Rev Diverter Rly WAGO.857-724 13 14 /13.1306
- Bed Ext Pwr Taper Fwd/Rev Blocking Rly WAGO.857-724 13 14 /13.1308
- Bed Ext Loader Up/Dn Diverter Relay WAGO.857-724 13 14 /13.1310
- Bed Ext Loader Up/Dn Blocking Relay WAGO.857-724 13 14 /13.1312
- Bed Ext Log Deck Fwd/Rev Diverter Rly WAGO.857-724 13 14 /13.1314
- Bed Ext Log Deck Fwd/Rev Blocking Rly WAGO.857-724 13 14 /13.1316

- Bed Ext Turner Fwd/Rev Diverter Solenoid
- Bed Ext Turner Fwd/Rev Blocking Solenoid
- Bed Ext Side Support Up/Dn Diverter Solenoid

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+L5.L14
OP.BX

Bed Ext
Side Support Up/Dn
Blocking Solenoid

Bed Ext
Turner Up/Dn
Diverter Solenoid

Bed Ext
Pwr Taper Fwd/Rev
Diverter Solenoid

Bed Ext
Pwr Taper Fwd/Rev
Blocking Solenoid

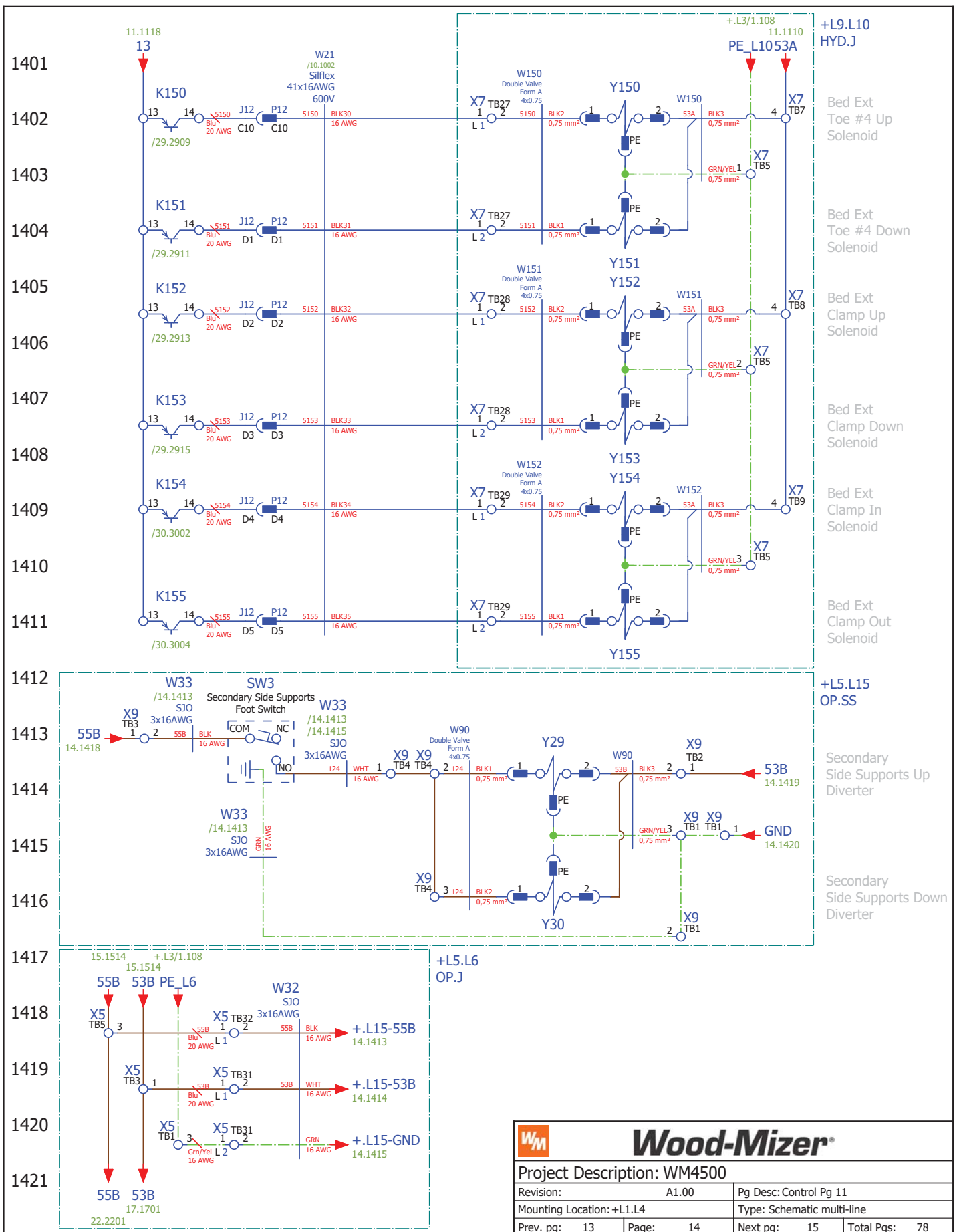
Bed Ext
Loader Up/Dn
Diverter Solenoid

Bed Ext
Loader Up/Dn
Blocking Solenoid

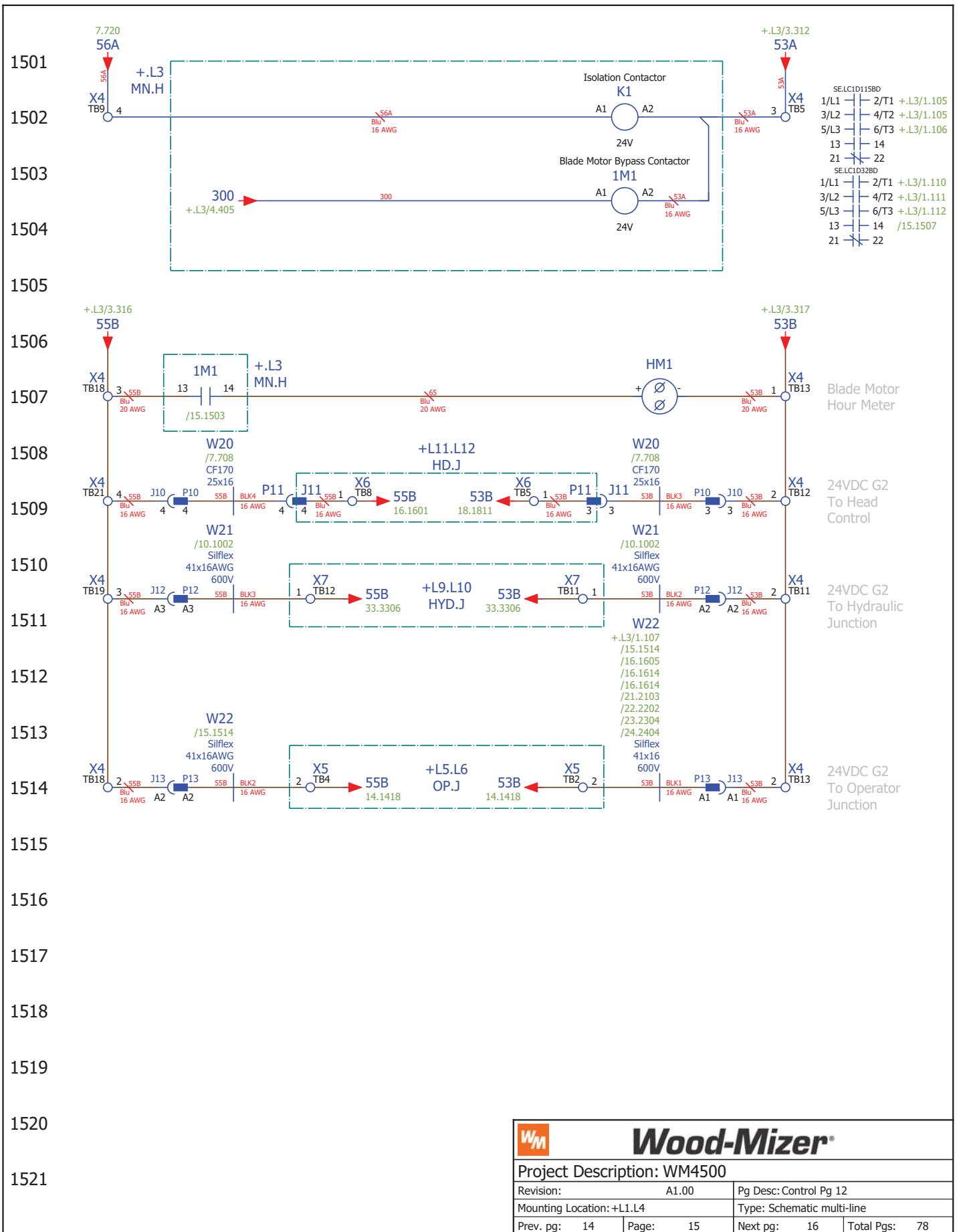
Bed Ext
Log Deck Fwd/Rev
Diverter Solenoid

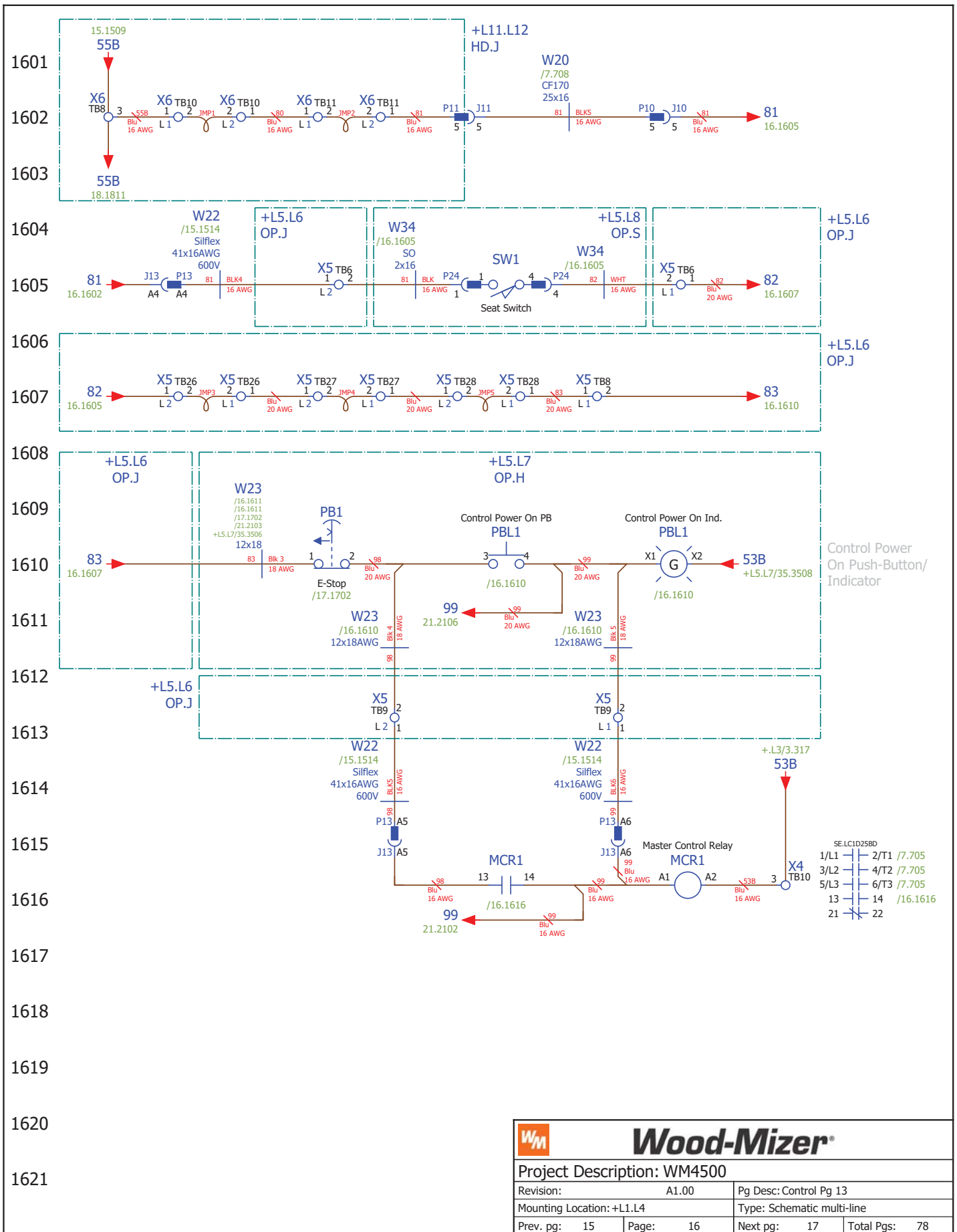
Bed Ext
Log Deck Fwd/Rev
Blocking Solenoid

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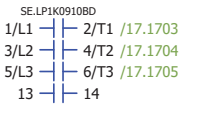
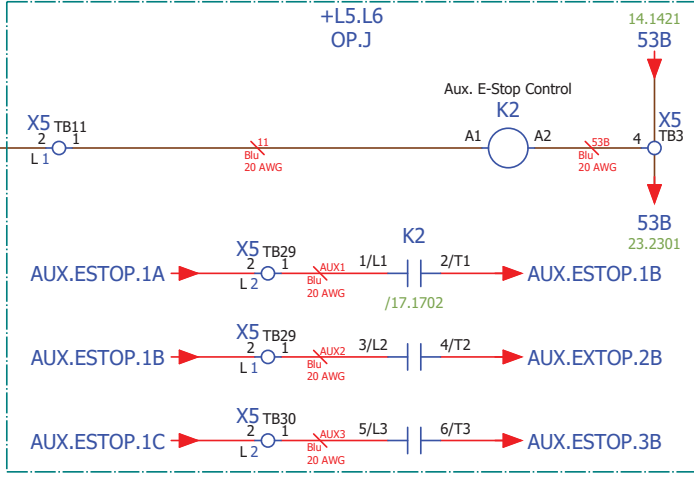
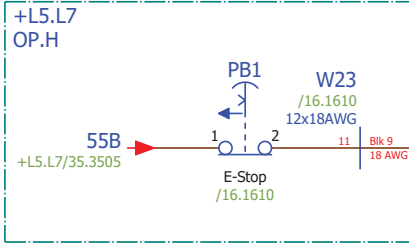


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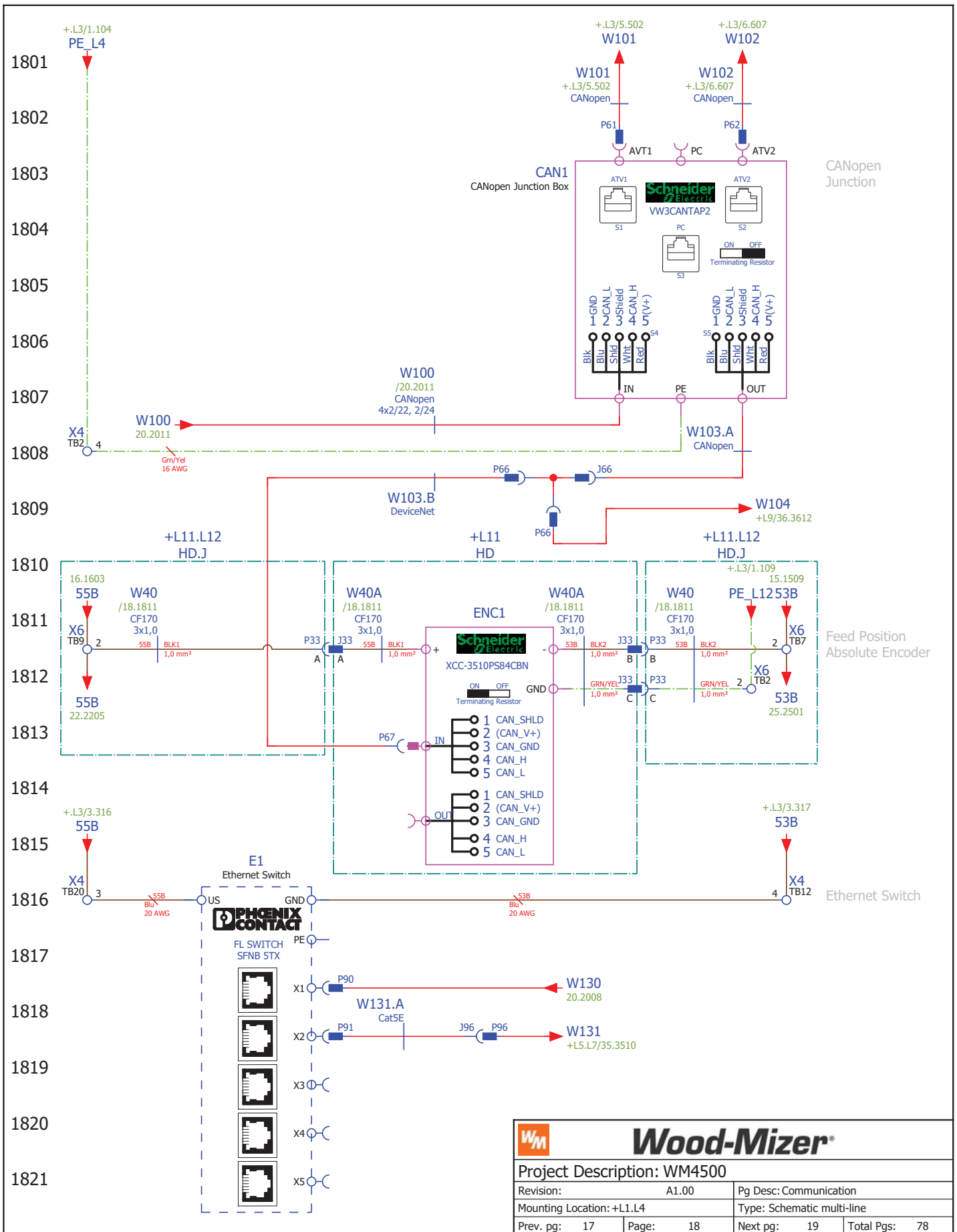


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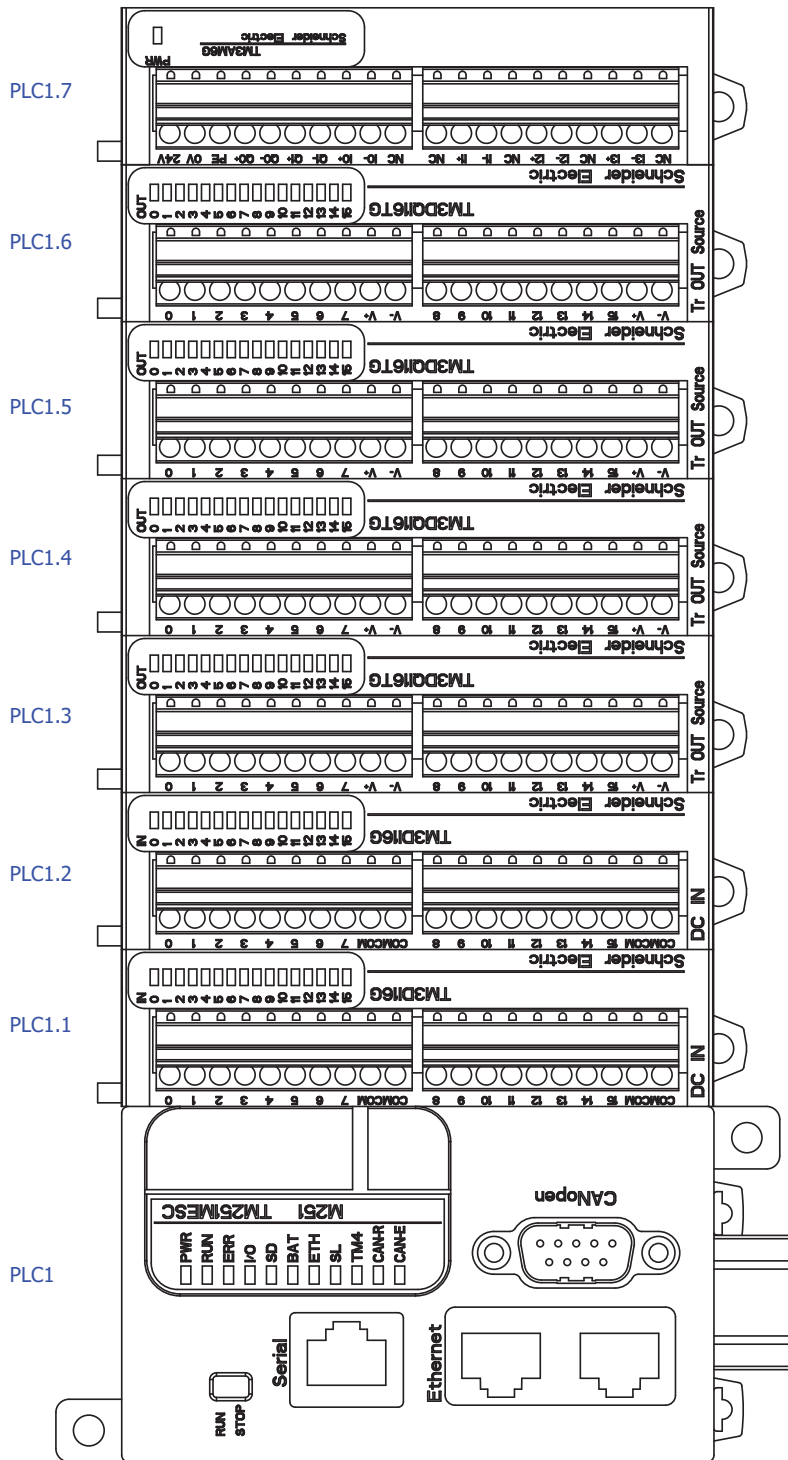



Auxiliary Equipment E-Stop Control 1
Auxiliary Equipment E-Stop Control 2
Auxiliary Equipment E-Stop Control 3

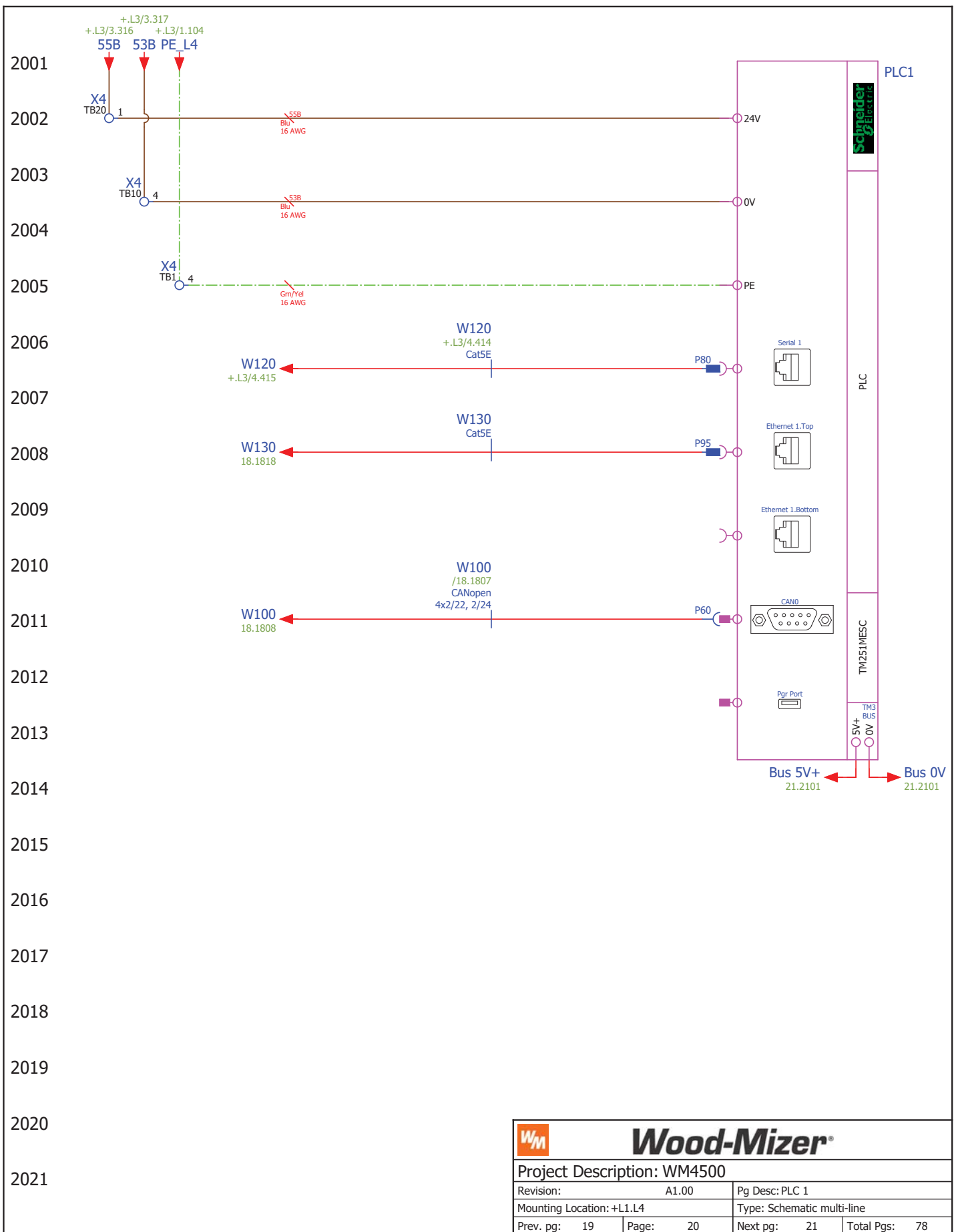
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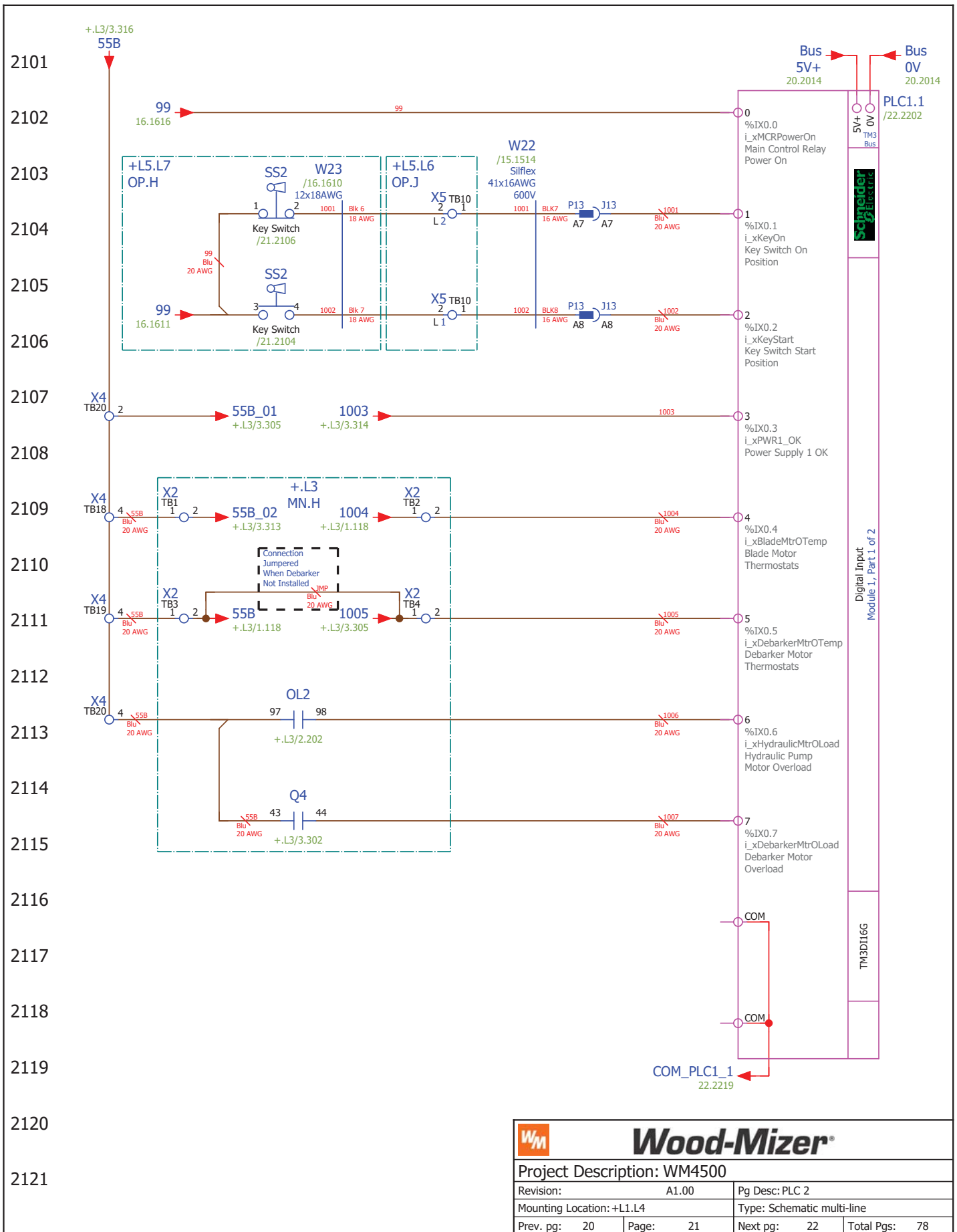


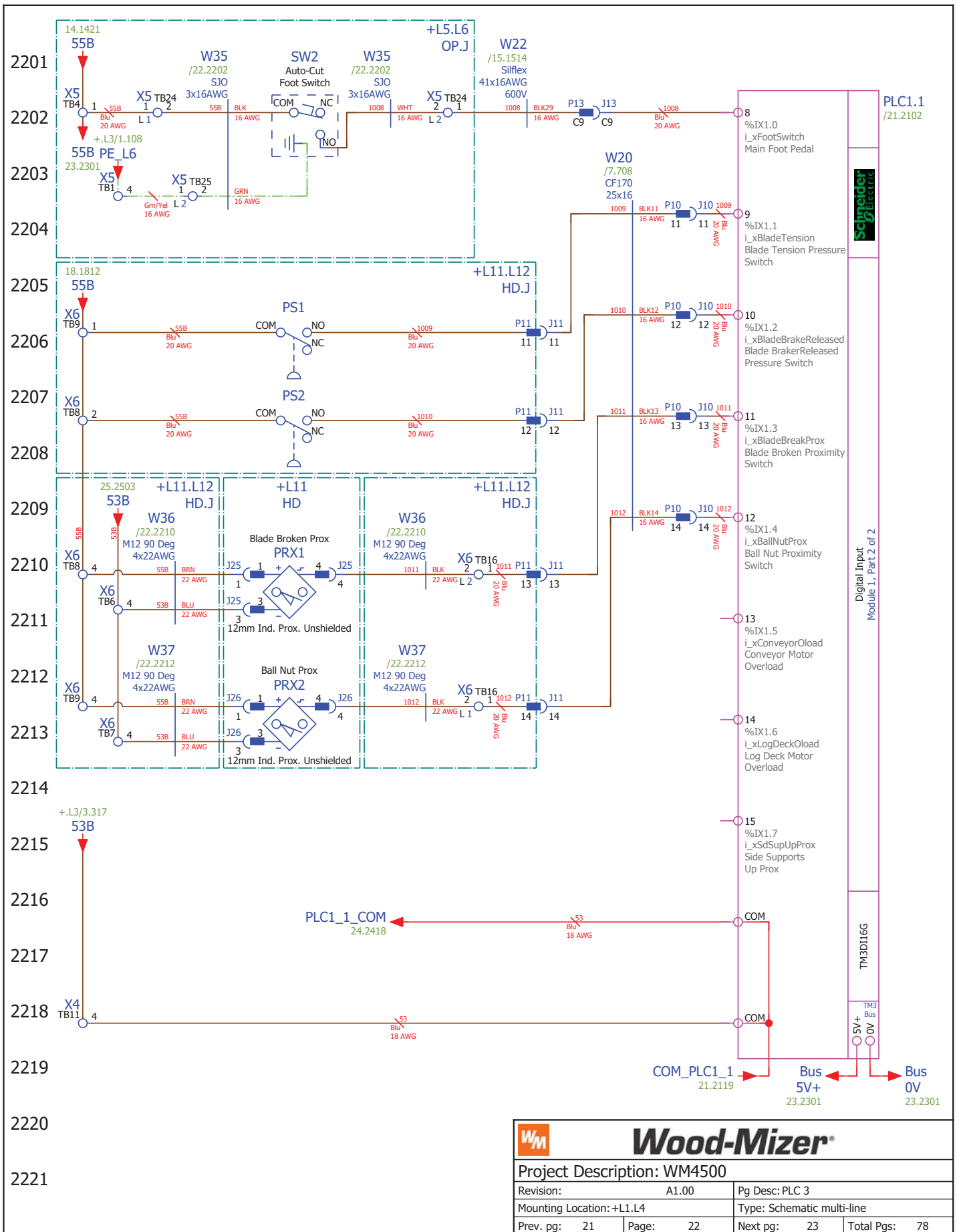
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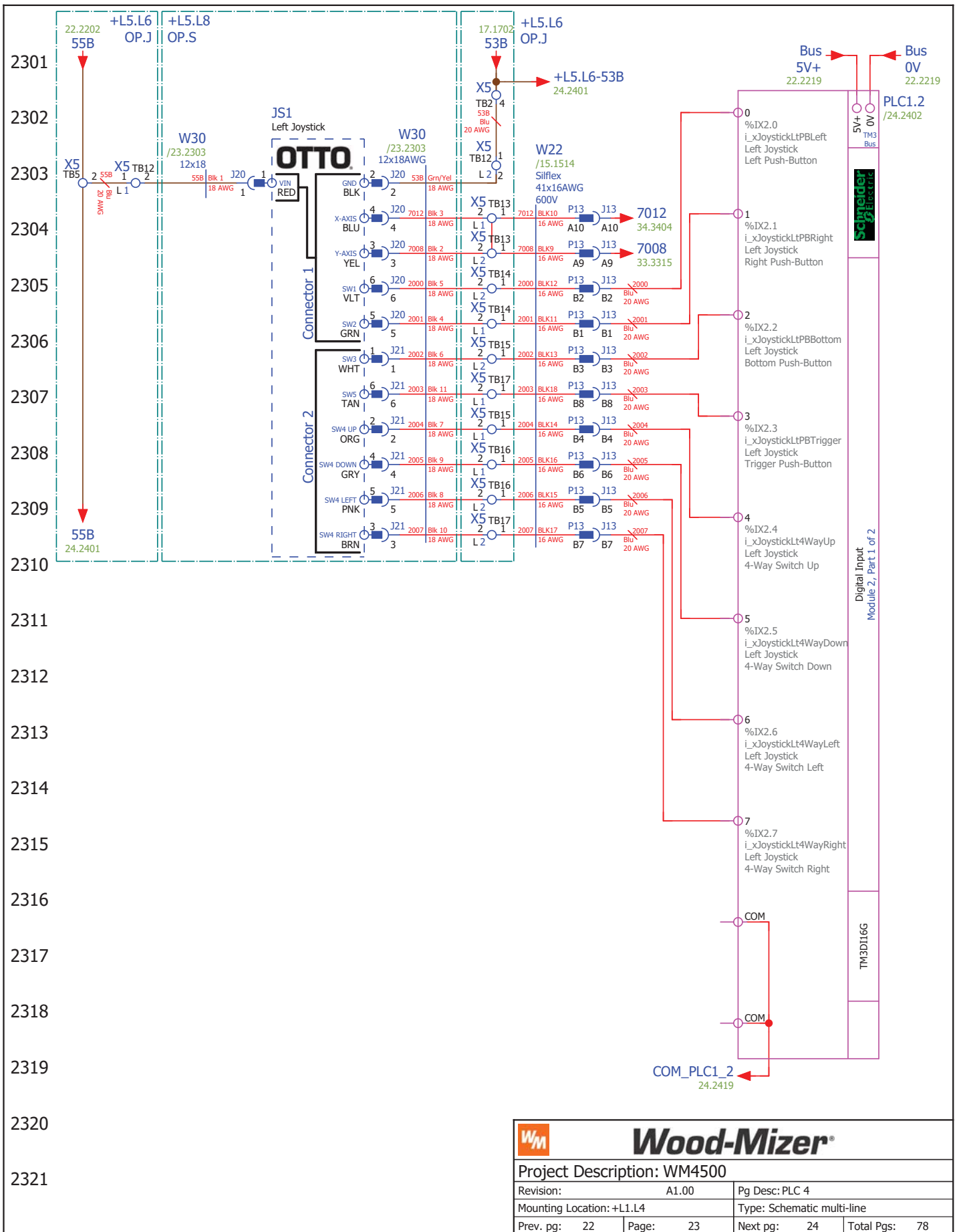
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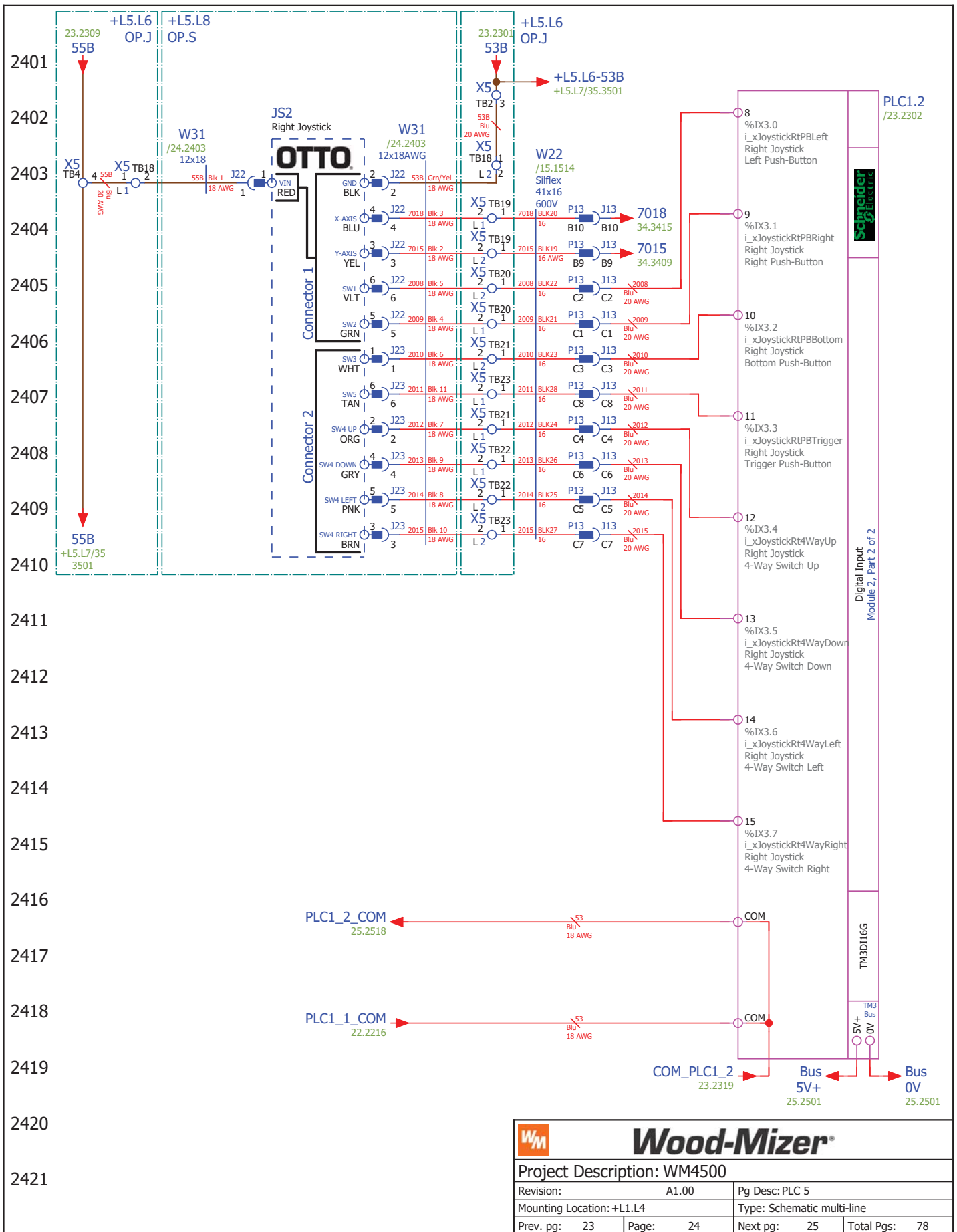




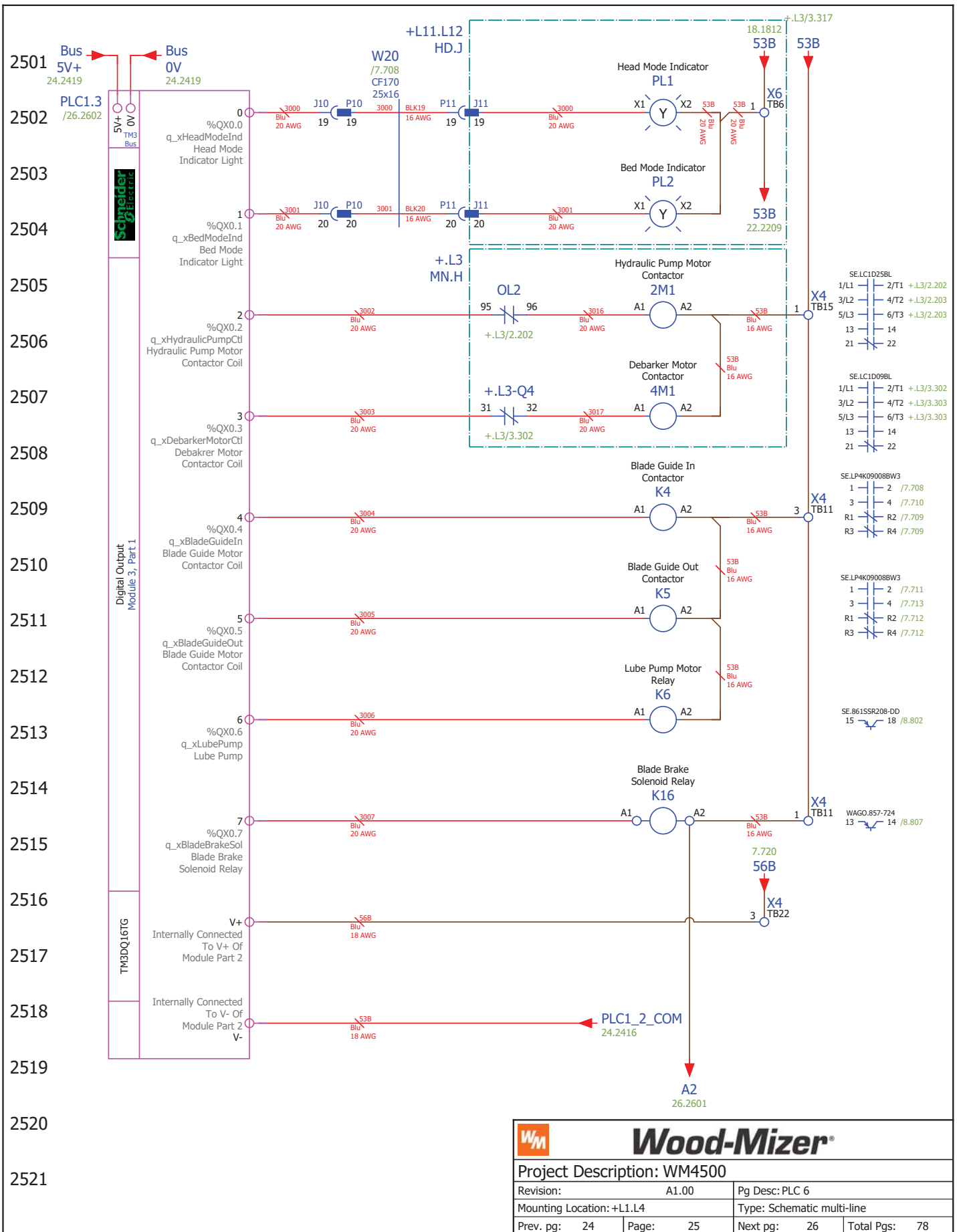
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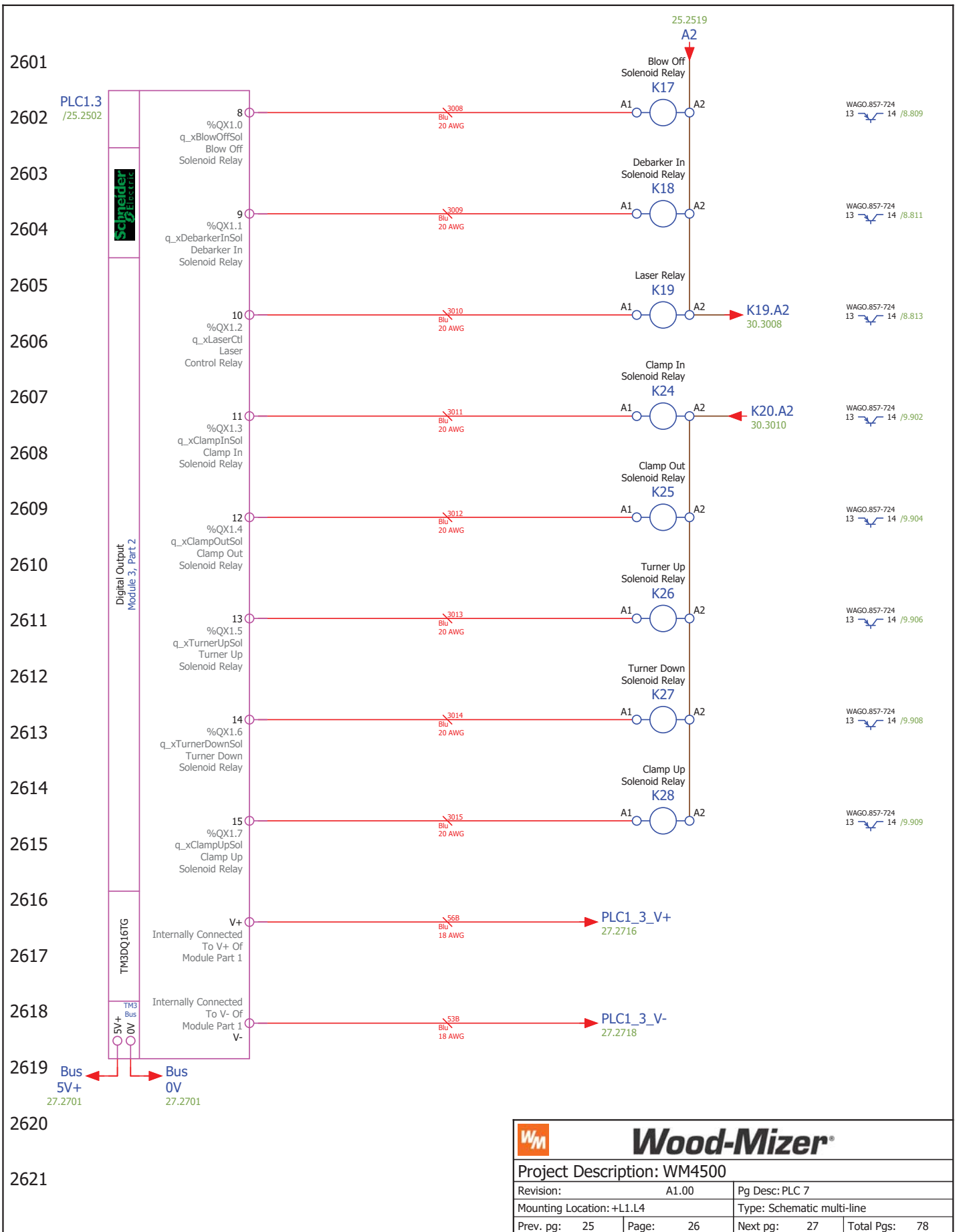


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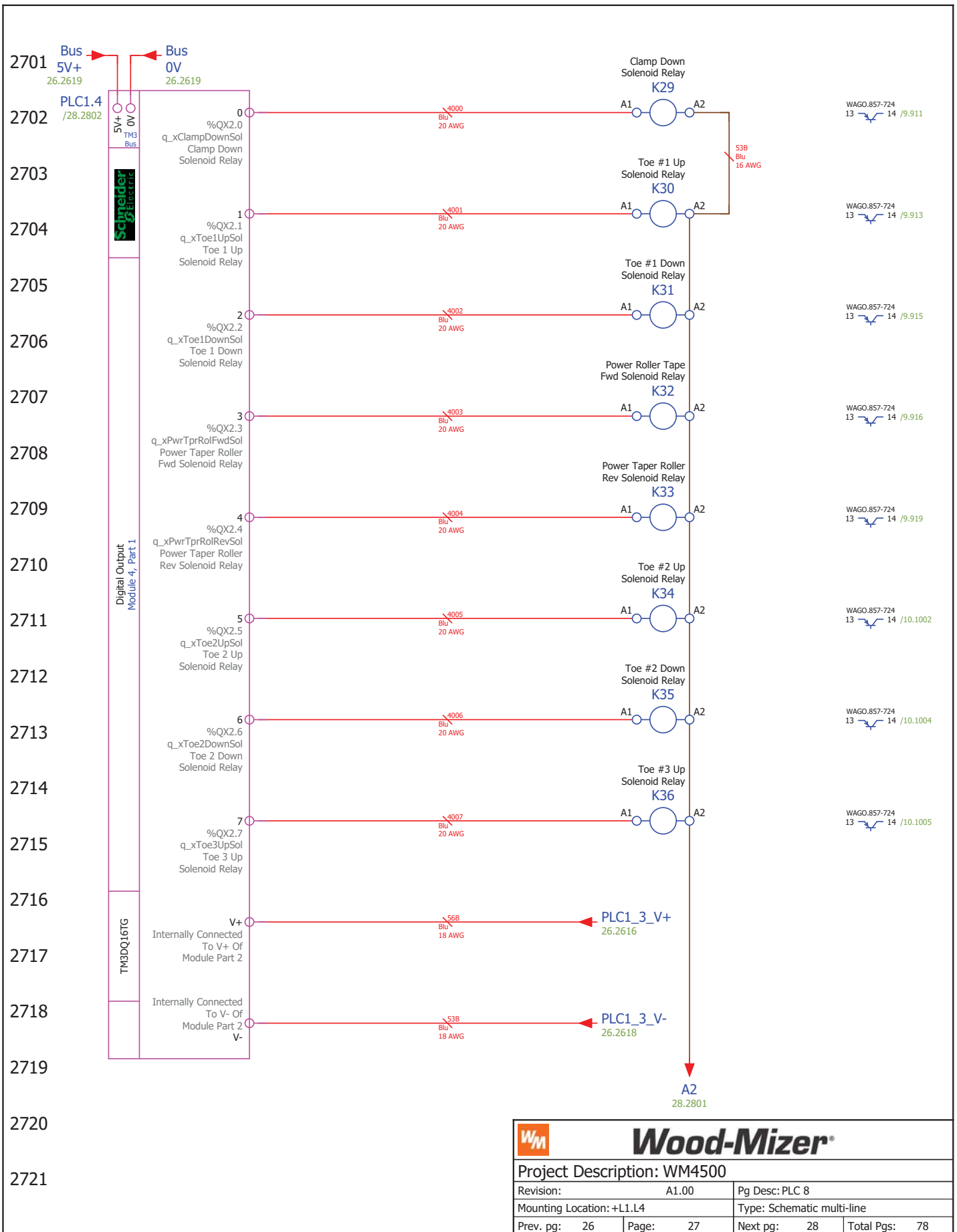


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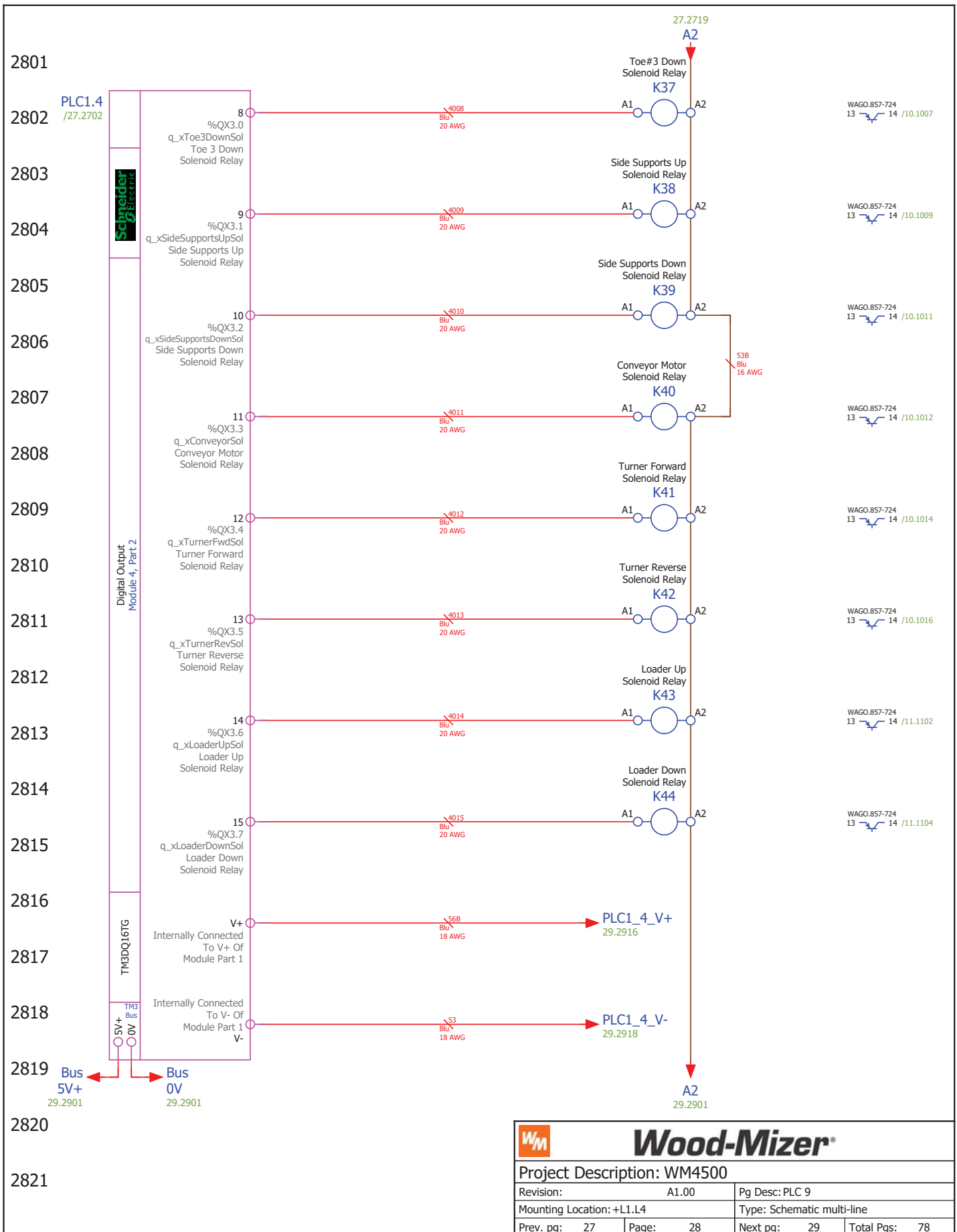


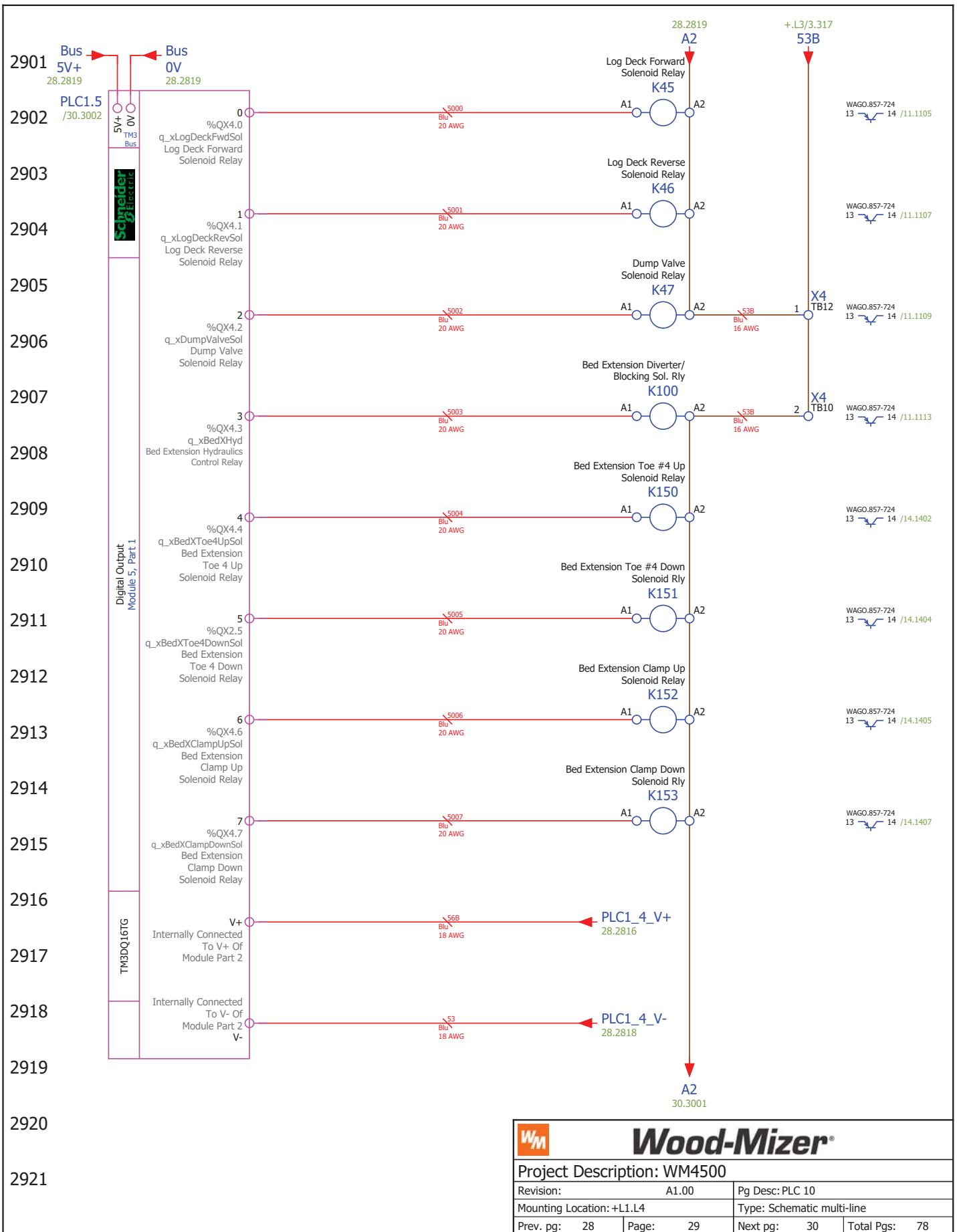


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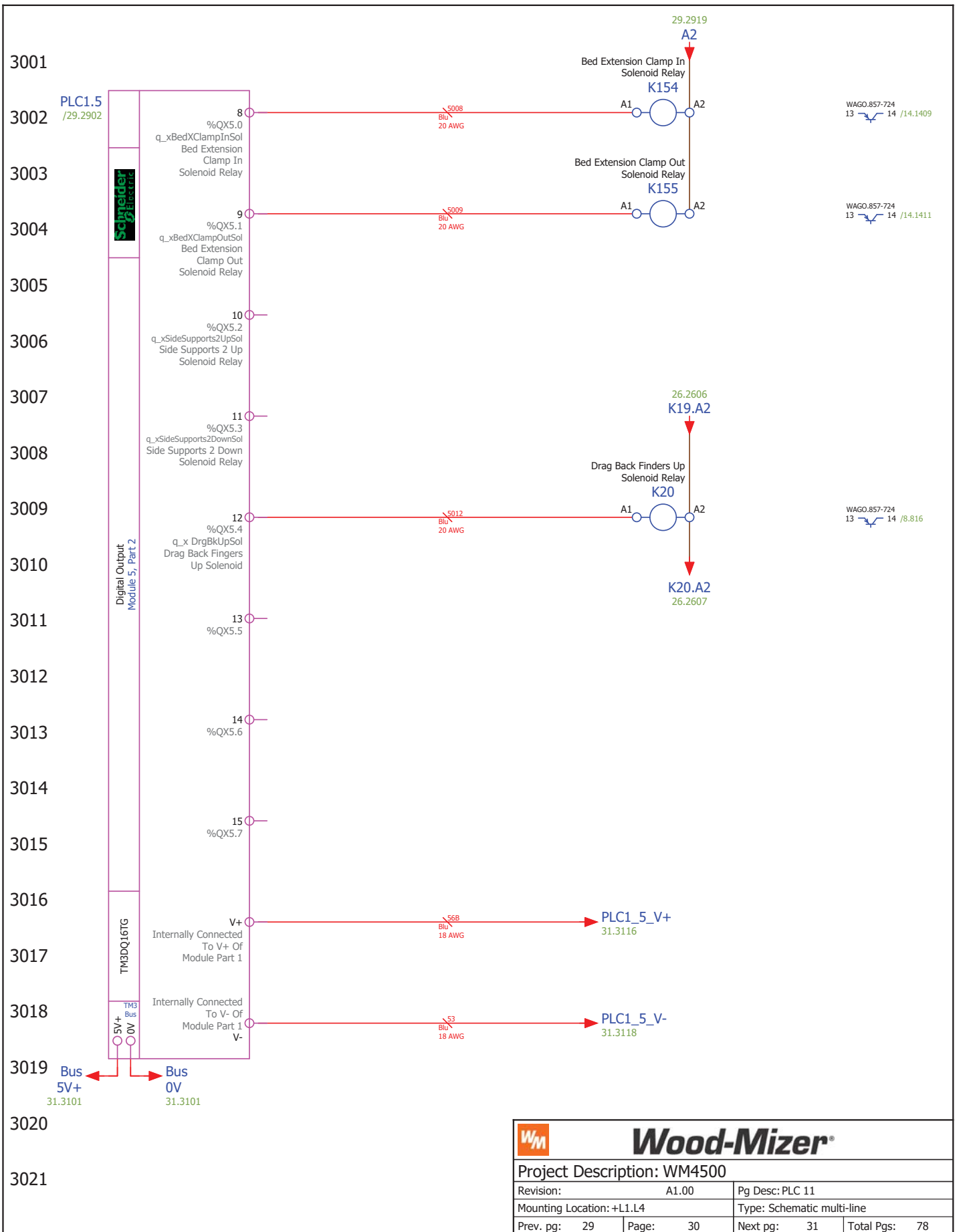





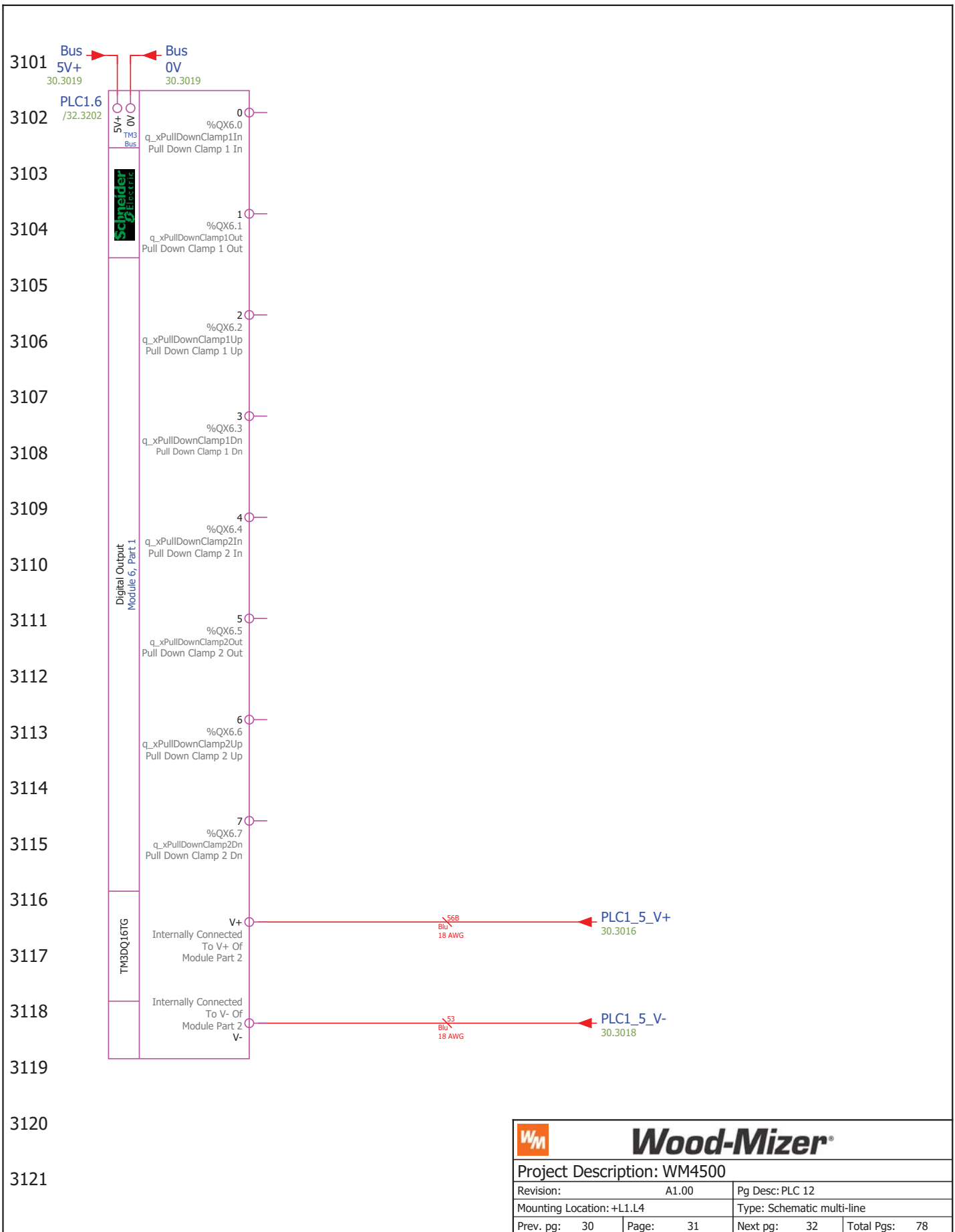
Wood-Mizer®


Project Description: WM4500

Revision:	A1.00	Pg Desc:	PLC 10
Mounting Location:	+L1.L4	Type:	Schematic multi-line
Prev. pg:	28	Page:	29
		Next pg:	30
		Total Pgs:	78



 Wood-Mizer®		Project Description: WM4500	
		Revision: A1.00	Pg Desc: PLC 11
Mounting Location: +L1.L4		Type: Schematic multi-line	
Prev. pg: 29	Page: 30	Next pg: 31	Total Pgs: 78



 Wood-Mizer®	
Project Description: WM4500	
Revision: A1.00	Pg Desc: PLC 12
Mounting Location: +L1.L4	Type: Schematic multi-line
Prev. pg: 30	Page: 31
Next pg: 32	Total Pgs: 78

3201

3202 PLC1.6
/31.3102

3203

3204

3205

3206

3207

3208

3209

3210

3211

3212

3213

3214

3215

3216

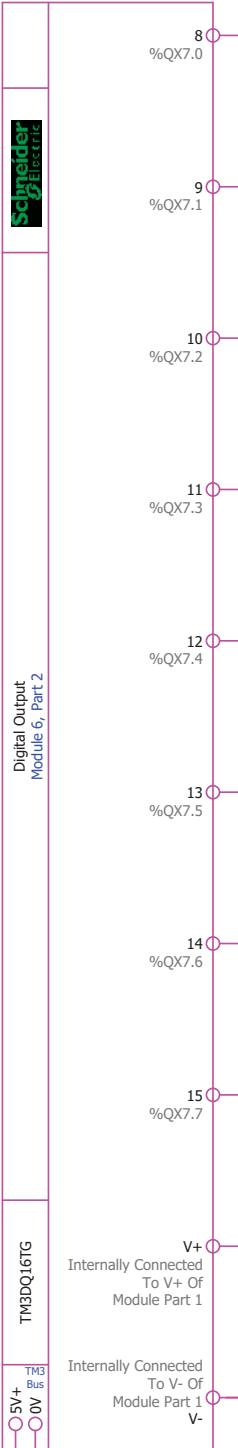
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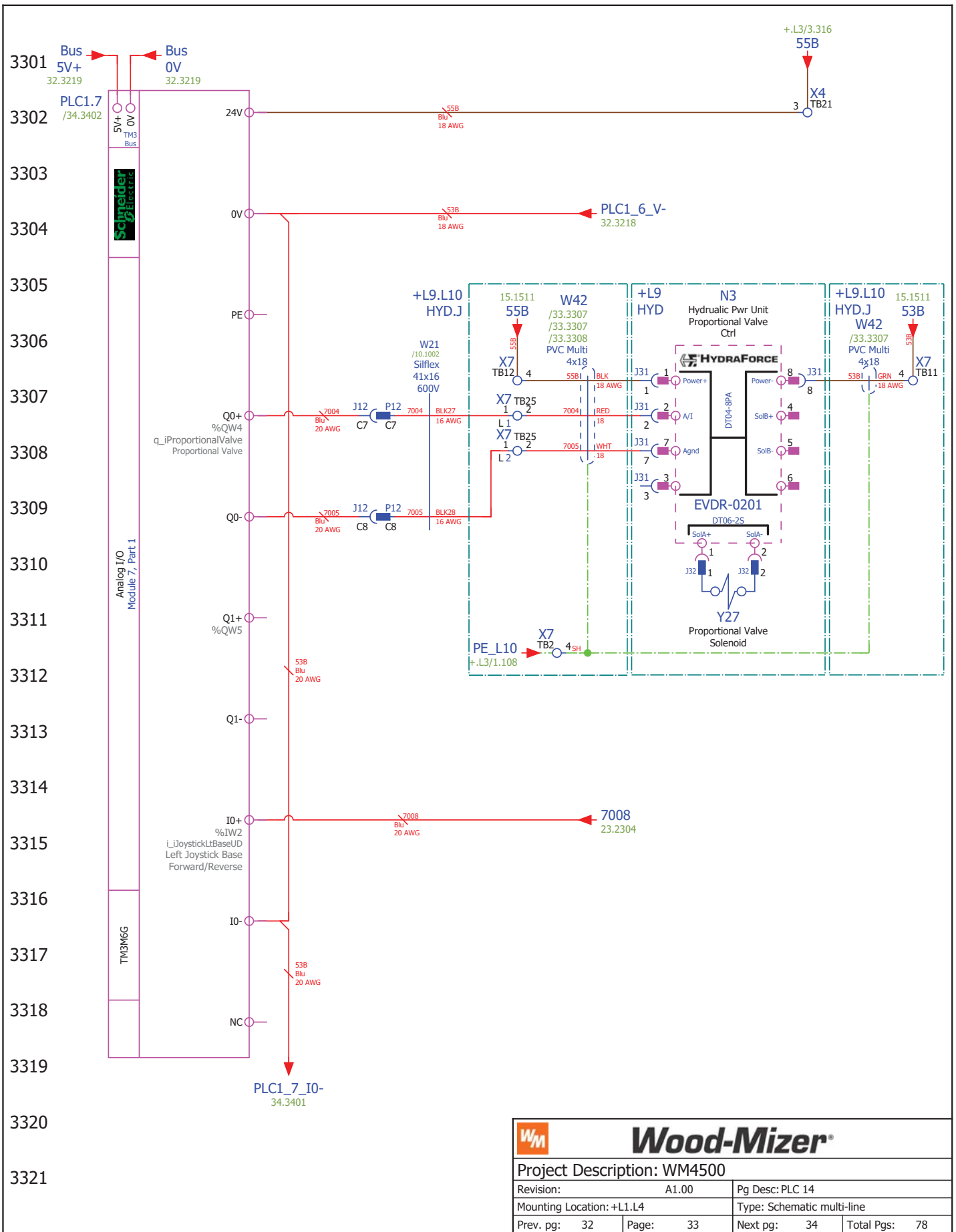
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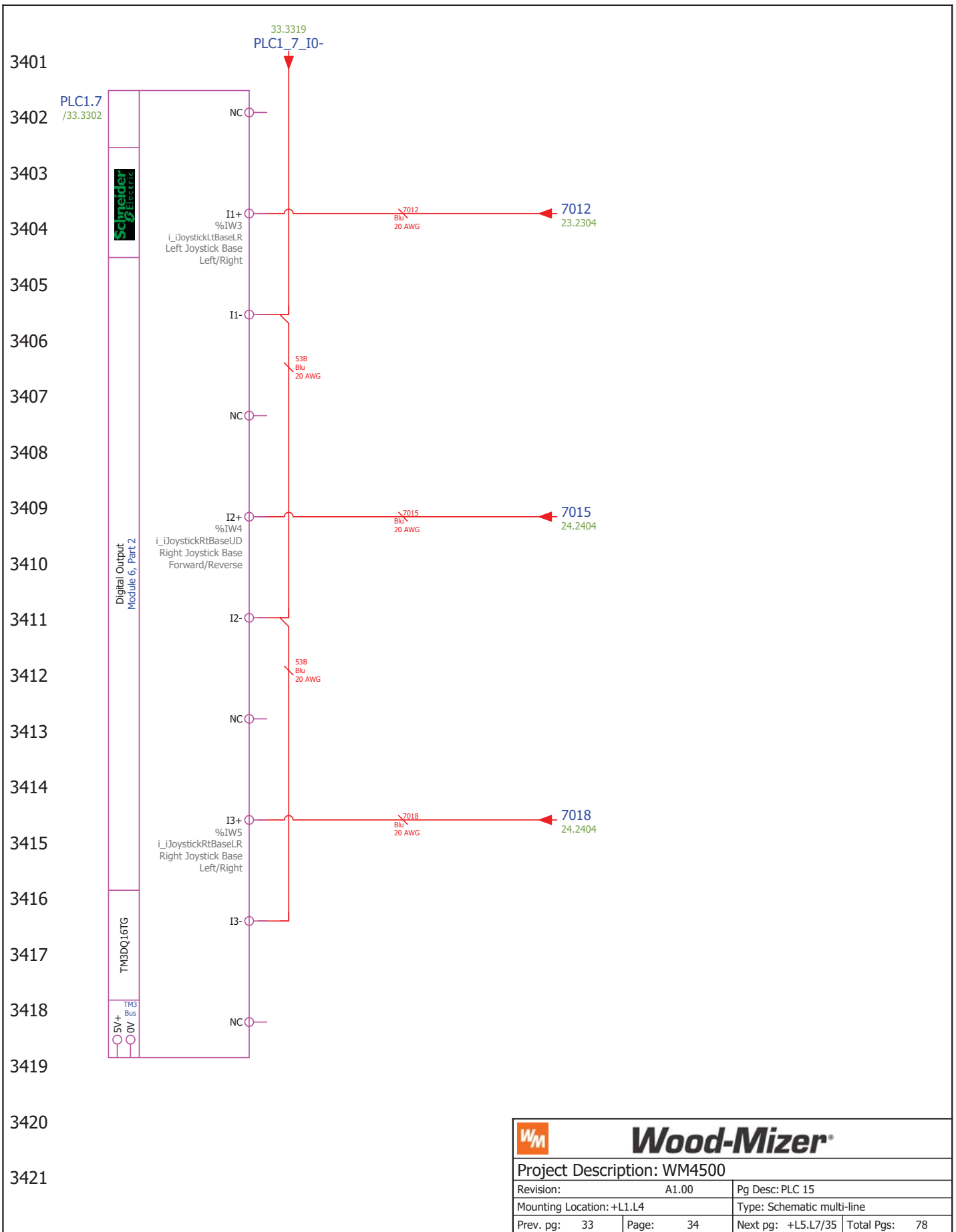
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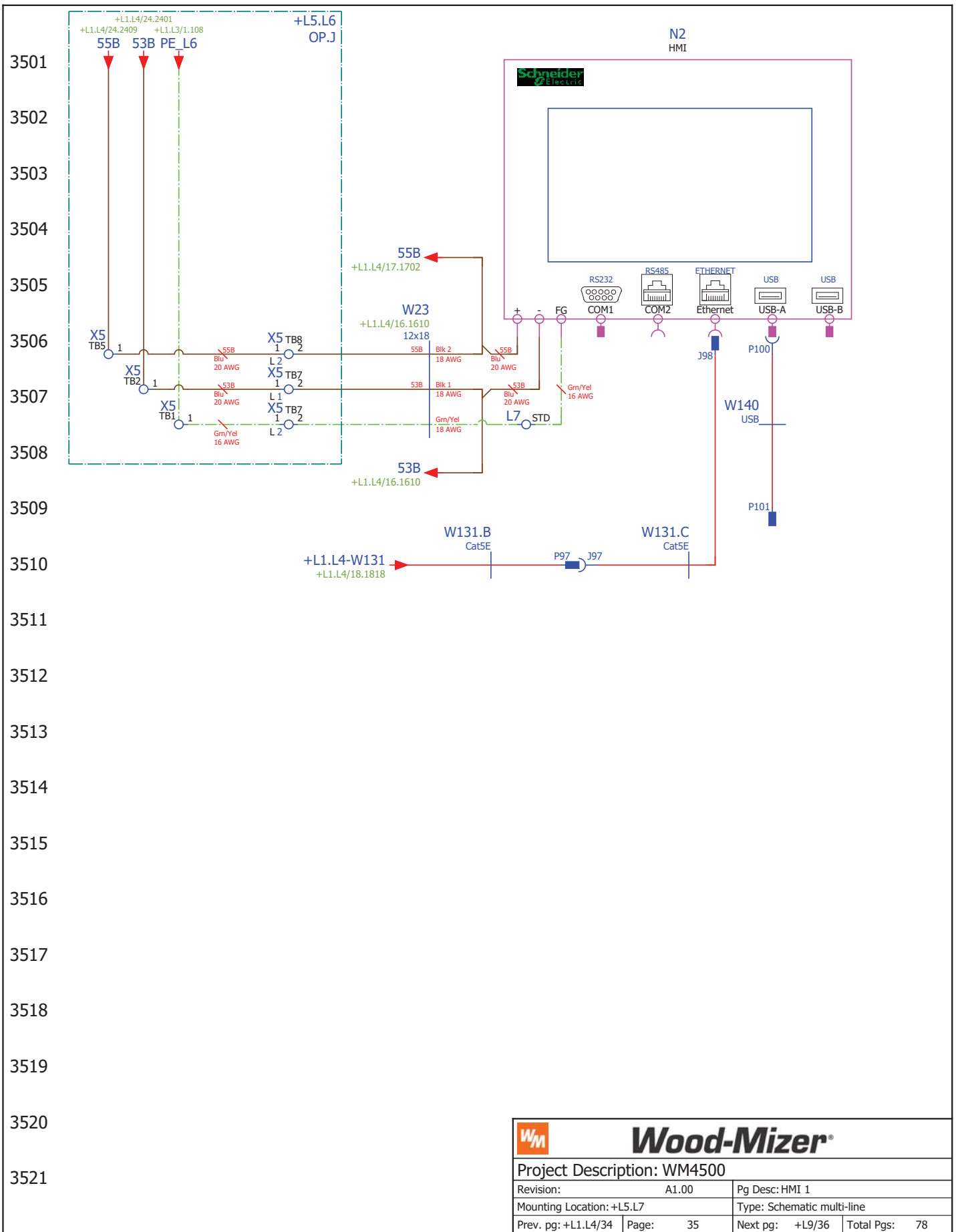
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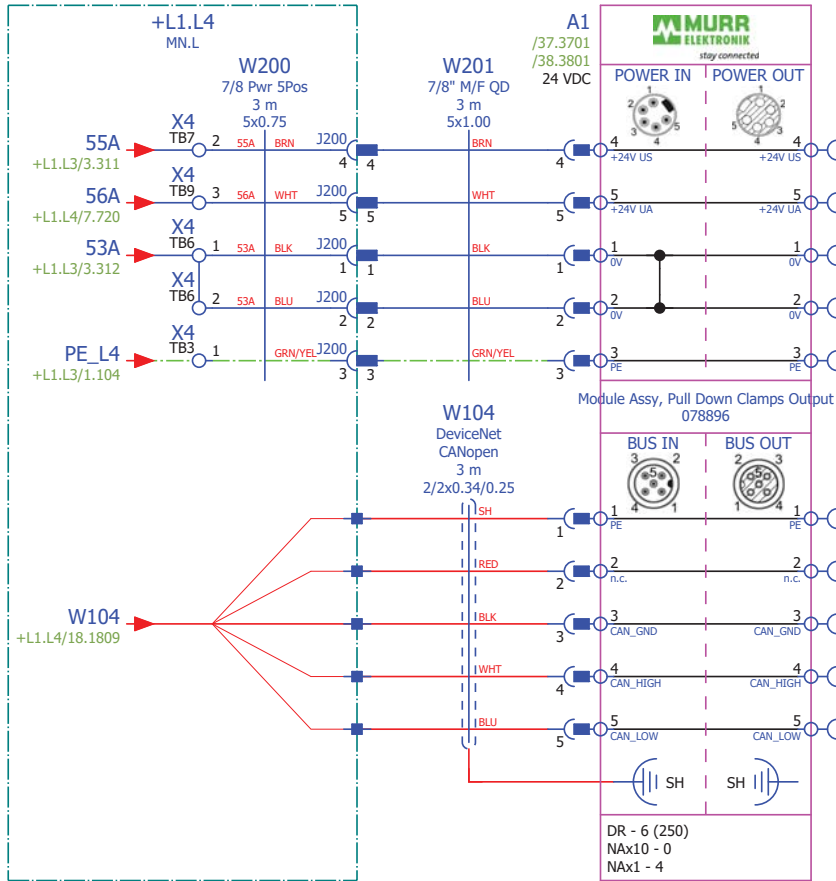
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Project Description: WM4500			
Revision:	A1.00	Pg Desc: PLC 13	
Mounting Location: +L1.L4		Type: Schematic multi-line	
Prev. pg:	31	Page:	32
Next pg:	33	Total Pgs:	78





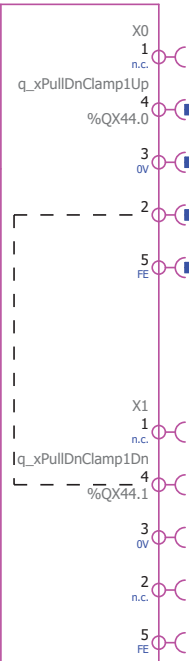


3601
 3602
 3603
 3604
 3605
 3606
 3607
 3608
 3609
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 3611
 3612
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 3617
 3618
 3619
 3620
 3621



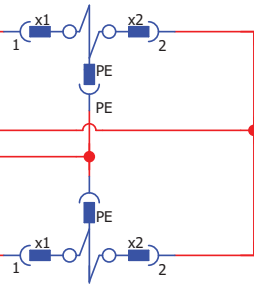
3701

3702 A1
/36.3605
24 VDC



W80
Double Valve
Form A/M12
1 m
4x0.75

Y28



Pull Down
Clamp 1
Up

3703

3704

3705

3706

3707

3708

3709

3710

3711

3712

3713

3714

3715

3716

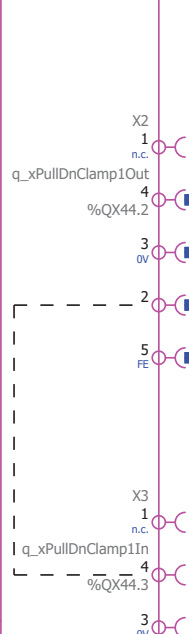
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3718

3719

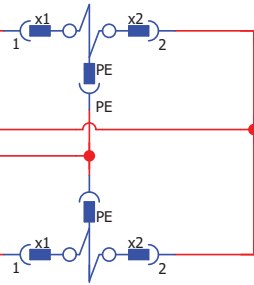
3720

3721



W81
Double Valve
Form A/M12
1 m
4x0.75

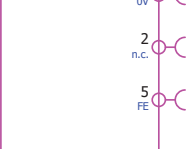
Y30



Pull Down
Clamp 1
Out

Y31

Pull Down
Clamp 1
In



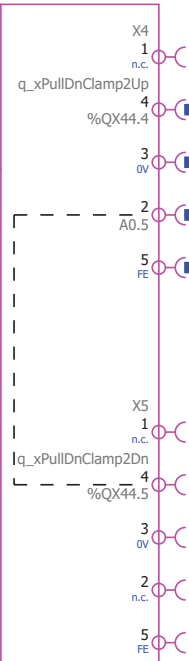
Wood-Mizer®

Project Description: WM4500

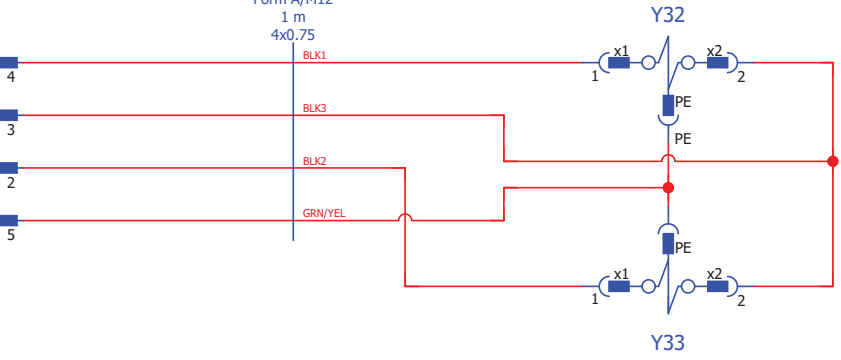
Revision:	A1.00	Pg Desc:	Pull Down Clamp 1
Mounting Location:	+L9	Type:	Schematic multi-line
Prev. pg:	36	Page:	37
		Next pg:	38
		Total Pgs:	78

3801

3802 A1
/36.3605
24 VDC



W82
Double Valve
Form A/M12
1 m
4x0.75



Pull Down
Clamp 2
Up

Pull Down
Clamp 2
Down

3803

3804

3805

3806

3807

3808

3809

3810

3811

3812

3813

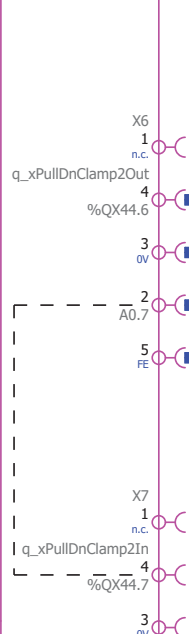
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3815

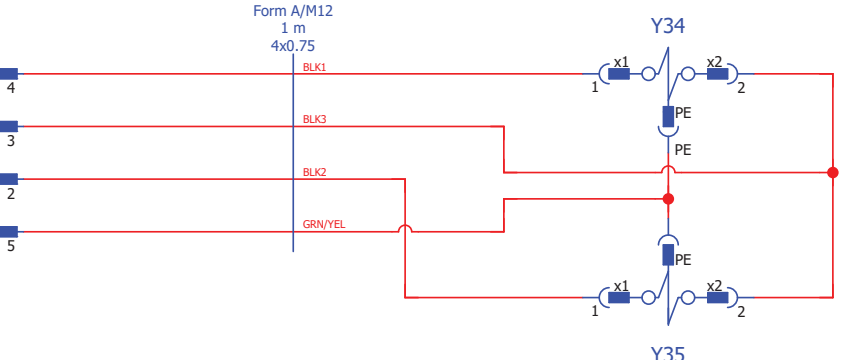
3816

3817

3818



W83
Double Valve
Form A/M12
1 m
4x0.75



Pull Down
Clamp 2
Up

Pull Down
Clamp 2
Down

078896

3819

3820

3821



Wood-Mizer®

Project Description: WM4500


Revision:	A1.00	Pg Desc: Pull Down Clamp 2
Mounting Location: +L9	Type: Schematic multi-line	
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Device Tag/Parts List

WM_PARTS_LIST-Manual

Device tag	Function	Wood-Mizer Part Number	Wood-Mizer Description	Qty.	X-Ref
1M1	Blade Motor Bypass Contactor	052465	Contactora, 32A 3P 24VDC Coil	1	+L1.L4/15.1503
2M1	Hydraulic Pump Motor Contactor	069866	Contactora, 25A 3P 24V Low Pwr Coil	1	+L1.L4/25.2506
4M1	Debarker Motor Contactor	024890	Contactora, 9A 3P 24VDC Coil	1	+L1.L4/25.2507
A1	Pull Down Clamps Output Module	078896	Module Assy, Pull Down Clamps Output	1	+L9/36.3605
CAN1	CANopen Junction Box	069930	PLC Module, CANopen Junction	1	+L1.L4/18.1803
E1	Ethernet Switch	078466	Switch, Ethernet 5 Port 24VDC	1	+L1.L4/18.1816
ENC1	Feed Position Absolute Encoder	112573 ¹	Encoder Assy, Ind. Mill Feed	1	+L1.L4/18.1811
F4	Transformer L1&L3 Fuses	068066	Fuse Holder, 2P Class CC Wire Clamps	1	+L1.L3/3.306
F4	=	069915	Fuse, 0.25A 600V KLR Class CC	2	+L1.L3/3.306
F5	Transformer Output Fuse	068065	Fuse Holder, 1P Class CC Wire Clamps	1	+L1.L3/3.308
F5	=	069915	Fuse, 0.25A 600V KLR Class CC	1	+L1.L3/3.308
F6	Feed Drive L1 Fuse	053717	Fuseholder, 60A Cube	1	+L1.L3/2.208
F6	=	069702	Fuse, 40A Class J Cube	1	+L1.L3/2.208
F7	Feed Drive L2 Fuse	053717	Fuseholder, 60A Cube	1	+L1.L3/2.209
F7	=	069702	Fuse, 40A Class J Cube	1	+L1.L3/2.209
F8	Feed Drive L3 Fuse	053717	Fuseholder, 60A Cube	1	+L1.L3/2.209
F8	=	069702	Fuse, 40A Class J Cube	1	+L1.L3/2.209
F9	Power Supply 1 L1&L3 Fuses	068066	Fuse Holder, 2P Class CC Wire Clamps	1	+L1.L3/3.311
F9	=	052381	Fuse, 8A 600V Class CC Delay	2	+L1.L3/3.311
F10	Power Supply 2 L1&L3 Fuses	068066	Fuse Holder, 2P Class CC Wire Clamps	1	+L1.L3/3.316
F10	=	052713	Fuse, 4A 600V Class CC Delay	2	+L1.L3/3.316
F11	Hydraulic Pump Motor L1 Fuse	053736	Fuseholder, Cube 30A	1	+L1.L3/2.202
F11	=	053737	Fuse, 30A Class J Cube	1	+L1.L3/2.202
F12	Hydraulic Pump Motor L2 Fuse	053736	Fuseholder, Cube 30A	1	+L1.L3/2.203
F12	=	053737	Fuse, 30A Class J Cube	1	+L1.L3/2.203
F13	Hydraulic Pump Motor L3 Fuse	053736	Fuseholder, Cube 30A	1	+L1.L3/2.203
F13	=	053737	Fuse, 30A Class J Cube	1	+L1.L3/2.203
F14	Up/Down Servo Drive L1 Fuse	053736	Fuseholder, Cube 30A	1	+L1.L3/2.216
F14	=	053737	Fuse, 30A Class J Cube	1	+L1.L3/2.216
F15	Up/Down Servo Drive L2 Fuse	053736	Fuseholder, Cube 30A	1	+L1.L3/2.217
F15	=	053737	Fuse, 30A Class J Cube	1	+L1.L3/2.217
F16	Up/Down Servo Drive L3 Fuse	053736	Fuseholder, Cube 30A	1	+L1.L3/2.218
F16	=	053737	Fuse, 30A Class J Cube	1	+L1.L3/2.218
F17	Blade Motor L1 Fuse	053586	Fuseholder, 100A Cube	1	+L1.L3/1.117
F17	=	069708	Fuse, 60A Class J Cube	1	+L1.L3/1.117
F18	Blade Motor L2 Fuse	053586	Fuseholder, 100A Cube	1	+L1.L3/1.116
F18	=	069708	Fuse, 60A Class J Cube	1	+L1.L3/1.116
F19	Blade Motor L3 Fuse	053586	Fuseholder, 100A Cube	1	+L1.L3/1.116
F19	=	069708	Fuse, 60A Class J Cube	1	+L1.L3/1.116
G1	DC Motor/ Solenoids Power Supply	078012	Power Supply, 24VDC 20A 200-500V	1	+L1.L3/3.310
G2	Control Power Supply	078193	Power Supply, 24VDC 10A 200-500V	1	+L1.L3/3.315
HM1	Blade Motor Hour Meter	P09631	Meter, Hour	1	+L1.L4/15.1507
JS1	Left Joystick	078360	Joystick, 4-Button w/4-Way Switch	1	+L1.L4/23.2302
JS2	Right Joystick	078360	Joystick, 4-Button w/4-Way Switch	1	+L1.L4/24.2402
K1	Isolation Contactor	069886	Contactora, 115A 3P 24VDC Coil	1	+L1.L4/15.1502
K2	Aux. E-Stop Control	101241	Contactora, 9A 3P 24VDC 1NO	1	+L1.L4/17.1702
K4	Blade Guide In Contactor	024910	Contactora, 9A 2NC 2NO 24VDC Reversing	1	+L1.L4/25.2509
K5	Blade Guide Out Contactor	024910	Contactora, 9A 2NC 2NO 24VDC Reversing	1	+L1.L4/25.2511
K6	Lube Pump Motor Relay	069943	Relay, Solid State 8A DIN	1	+L1.L4/25.2513
K16	Blade Brake Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/25.2515
K17	Blow Off Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2602
K18	Debarker In Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2604
K19	Laser Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2606
K20	Drag Back Finders Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/30.3009
K24	Clamp In Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2607
K25	Clamp Out Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2609
K26	Turner Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2611

¹ 112573 replaced 06046 after 9/27/2022 per ECN 38745.

		Wood-Mizer®	
Project Description: WM4500			
Revision:	A1.00	Pg Desc: Parts list	
Mounting Location: +Docs		Type: Parts list	
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Next pg:	C2	Total Pgs:	78

Device Tag/Parts List

WM_PARTS_LIST-Manual

Device tag	Function	Wood-Mizer Part Number	Wood-Mizer Description	Qty.	X-Ref
K27	Turner Down Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2613
K28	Clamp Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/26.2615
K29	Clamp Down Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2702
K30	Toe #1 Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2704
K31	Toe #1 Down Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2706
K32	Power Roller Tape Fwd Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2707
K33	Power Taper Roller Rev Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2709
K34	Toe #2 Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2711
K35	Toe #2 Down Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2713
K36	Toe #3 Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/27.2715
K37	Toe#3 Down Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2802
K38	Side Supports Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2804
K39	Side Supports Down Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2806
K40	Conveyor Motor Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2807
K41	Turner Forward Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2809
K42	Turner Reverse Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2811
K43	Loader Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2813
K44	Loader Down Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/28.2815
K45	Log Deck Forward Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2902
K46	Log Deck Reverse Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2904
K47	Dump Valve Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2906
K100	Bed Extension Diverter/ Blocking Sol. Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2907
K101	Bed Ext Turner Fwd/ Rev Diverter Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/11.1113
K102	Bed Ext Turner Fwd/ Rev Blocking Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/11.1114
K103	Bed Ext Side Support Up/Dn Diverter Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/11.1116
K104	Bed Ext Side Support Up/Dn Blocking Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/11.1117
K105	Bed Ext Turner Up/Dn Diverter Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/12.1202
K106	Bed Ext Pwr Taper Fwd/Rev Diverter Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/12.1203
K107	Bed Ext Pwr Taper Fwd/Rev Blocking Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/12.1205
K108	Bed Ext Loader Up/Dn Diverter Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/12.1206
K109	Bed Ext Loader Up/Dn Blocking Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/12.1208
K110	Bed Ext Log Deck Fwd/Rev Diverter Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/12.1209
K111	Bed Ext Log Deck Fwd/Rev Blocking Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/12.1211
K150	Bed Extension Toe #4 Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2909
K151	Bed Extension Toe #4 Down Solenoid Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2911
K152	Bed Extension Clamp Up Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2913
K153	Bed Extension Clamp Down Solenoid Rly	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/29.2915
K154	Bed Extension Clamp In Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/30.3002
K155	Bed Extension Clamp Out Solenoid Relay	068212	Relay, Solid State 2A 24VDC Coil Cage Clamp Base	1	+L1.L4/30.3004
LAS1	Laser	068035	Laser, 5mW 532nm 90 Deg Line Z-Laser Grn	1	+L1.L4/8.813
M1	Blade Motor	042301	Motor, 30HP 1800RPM	1	+L1.L3/1.115
M2	Hydraulic Pump Motor	078670	Motor, 15HP 230/460 3PH 60Hz	1	+L1.L3/2.202
M3	Feed Motor	115152	Motor, 5HP 3P 230/460 184TC	1	+L1.L3/2.208
M4	Up/Down Servo Motor	068038	Motor, Servo 100mm IP54 Encoder	1	+L1.L3/2.213
M5	Debarker Motor	050292	Motor, 3/4HP 230/460 3P 1725RPM DB LT60	1	+L1.L3/3.302
M6	Blade Guide Motor	035659	Motor Assy, 24V 60 RPM Gear	1	+L1.L4/7.716
MCR1	Master Control Relay	051322	Contact, 25A 3P 24VDC Coil	1	+L1.L4/16.1616
N2	HMI	078794	HMI Assy, Ind. Mill	1	+L5.L7/35.3501
N3	Hydraulic Pwr Unit Proportional Valve Ctrl	068277	Driver Assy, Prop Valve 8 Pin A2.00+	1	+L1.L4/33.3306
OL2	Hydraulic Pump Motor Overload	069885	Overload, 16-24A Class 10 Single Ph Sens	1	+L1.L3/2.202
PB1	E-Stop	068940	Pushbutton Head, 22mm E-Stop Twist-Pull	1	+L1.L4/16.1610
PB1	=	068950	Collar, Mount 1NC ZB5	1	+L1.L4/16.1610
PB1	=	068921	Contact Block, NC ZB5	1	+L1.L4/16.1610
PB2	Blade Brake Manual Override Push-Button	068950	Collar, Mount 1NC ZB5	1	+L1.L4/8.807
PB2	=	068920	Contact Block, NO ZB5	1	+L1.L4/8.807
PBL1	Control Power On PB	068952	Collar, Mount 1NO ZB5	1	+L1.L4/16.1610
PBL1	=	052503	Switch Head, PB Green Flush Illum ZB5	1	+L1.L4/16.1610



Wood-Mizer®

Project Description: WM4500

Revision:	A1.00	Pg Desc:	Parts list
Mounting Location:	+Docs	Type:	Parts list
Prev. pg:	C1	Page:	C2
Next pg:	C3	Total Pgs:	78

Device Tag/Parts List


Device tag	Function	Wood-Mizer Part Number	Wood-Mizer Description	Qty.	X-Ref
PBL1	Control Power On PB	068910	Light Module, Green ZB5	1	+L1.L4/16.1610
PL1	Head Mode Indicator	068912	Light Module, White ZB5	1	+L1.L4/25.2502
PL1	=	068931	Pilot Light, Yellow ZB5	1	+L1.L4/25.2502
PL1	=	068951	Switch Collar, Mount ZB5	1	+L1.L4/25.2502
PL2	Bed Mode Indicator	068912	Light Module, White ZB5	1	+L1.L4/25.2504
PL2	=	068931	Pilot Light, Yellow ZB5	1	+L1.L4/25.2504
PL2	=	068951	Switch Collar, Mount ZB5	1	+L1.L4/25.2504
PLC1	PLC	078783	PLC Assy, Ind. Mill M251	1	+L1.L4/20.2001
PLC1	=	078782	PLC Assy, Ind. Mill CPU	1	+L1.L4/20.2001
PLC1.1	Digital Input	078491	Input Module, Spring Clamp 16Pt Digital	1	+L1.L4/21.2102
PLC1.2	=	078491	Input Module, Spring Clamp 16Pt Digital	1	+L1.L4/23.2302
PLC1.3	Digital Output	078492	Output Module, TM3 16Pt. Transistor	1	+L1.L4/25.2502
PLC1.4	=	078492	Output Module, TM3 16Pt. Transistor	1	+L1.L4/27.2702
PLC1.5	=	078492	Output Module, TM3 16Pt. Transistor	1	+L1.L4/29.2902
PLC1.6	=	078492	Output Module, TM3 16Pt. Transistor	1	+L1.L4/31.3102
PLC1.7	Analog I/O	078648	Analog Module, TM3 4I/2O	1	+L1.L4/33.3302
PRX1	Blade Broken Prox	051439	Sensor, Ind Prox M12 PNP NS Ex	1	+L1.L4/22.2210
PRX2	Ball Nut Prox	051439	Sensor, Ind Prox M12 PNP NS Ex	1	+L1.L4/22.2213
PS1	Blade Tension Pressure Switch	045207	Switch, Limit Pressure 60 PSI	1	+L1.L4/22.2206
PS2	Blade Brake Released Pressure Switch	045207	Switch, Limit Pressure 60 PSI	1	+L1.L4/22.2207
Q1	Main Disconnect	078506	Disconnect, 200A 3Ph Non-Fused	1	+L1.L3/1.101
Q2	Blade Guide Motor Breaker	051915	Breaker, 3A 1P MG24502	1	+L1.L4/7.708
Q3	Lube Pump Motor Breaker	051915	Breaker, 3A 1P MG24502	1	+L1.L4/8.802
Q4	Debarker Motor	068097	Motor Protector, 1.0-1.6 Manual	1	+L1.L3/3.302
Q4	=	068199	Motor Protector, Aux Contacts 1NO 1NC	1	+L1.L3/3.302
Q4	=	068098	Motor Protector, Line Side Barrier	1	+L1.L3/3.302
Q4	=	068099	Motor Protector, Interconnect LC1D09-25	1	+L1.L3/3.302
R1	Feed Drive Braking Resistor	078784	Resistor Assy, Ind. Mill Feed	1	+L1.L3/2.206
R2	Up/Down Drive Bracking Resistor	068161	Resistor Assy, Ind. Mill Up/Dn	1	+L1.L3/2.212
SD1	Up/Down Drive Control	078781	Drive Assy, Ind. Mill Up/Down	1	+L1.L3/2.211
SS2	Key Switch	068950	Collar, Mount 1NC ZB5	1	+L1.L4/21.2104
SS2	=	068920	Contact Block, NO ZB5	1	+L1.L4/21.2104
SS2	=	068941	Switch, Key 3Pos Mom R-C	1	+L1.L4/21.2104
SSD1	Blade Motor Soft Start	069933	Drive Assy, Ind. Mill Blade	1	+L1.L3/1.112
SW1	Seat Switch	069737	Switch, Seat 2 NO Contacts	1	+L1.L4/16.1605
SW2	Auto-Cut Foot Switch	052789	Switch, Foot Single Lever IP68	1	+L1.L4/22.2202
SW3	Secondary Side Supports Foot Switch	052789	Switch, Foot Single Lever IP68	1	+L1.L4/14.1413
T1	Soft-Start Control Transformer	069909	Transformer, 0.05kVA 240x480P 120/240S	1	+L1.L3/3.306
VFD1	Feed Drive Power	078780	Drive Assy, Ind. Mill Feed	1	+L1.L3/2.205
X1.1	1L1 Distribution Block	069908	Distribution Block, 1P 1in 4out 175A DIN	1	+L1.L3/3.305
X1.2	1L3 Distribution Block	069908	Distribution Block, 1P 1in 4out 175A DIN	1	+L1.L3/3.305
X1.3	2L1 Distribution Block	069801	Distribution Block, 1P 1in 6out 380A DIN	1	+L1.L3/1.107
X1.4	2L2 Distribution Block	069801	Distribution Block, 1P 1in 6out 380A DIN	1	+L1.L3/1.107
X1.5	2L3 Distribution Block	069801	Distribution Block, 1P 1in 6out 380A DIN	1	+L1.L3/1.107
X1.6	1L1 Distribution Block	069872	Distribution Block, 1P 2in 2out 620A DIN	1	+L1.L3/1.101
X1.7	1L3 Distribution Block	069872	Distribution Block, 1P 2in 2out 620A DIN	1	+L1.L3/1.103
X3.1	Ground Distribution Block	025203	Bar, Grounding 14 Circuit W/Lug	1	+L1.L3/1.107
Y50	Lube Solenoid	051432	Valve, Solenoid 1/4 NPT Water NC 2 Way	1	+L1.L4/8.802

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +L1.L3-X2

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068106	Terminal Block, 2Pos 4mm Clamp	•				+L4/21.09
TB2		068106	Terminal Block, 2Pos 4mm Clamp	•		068108		+L4/21.09
TB3		068106	Terminal Block, 2Pos 4mm Clamp	●				+L4/21.11
TB4		068106	Terminal Block, 2Pos 4mm Clamp	●		068108		+L4/21.11

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Terminal strip +L1.L4-X4

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L3/1.05
TB2		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L3/1.05
TB3		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•		068105		+L9/36.09
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 3 Position Jumper Between TB4-6	+L3/3.12
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/12.12
TB6		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		+L9/36.08
TB7		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		+L3/3.11
TB8		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 2 Position Jumper Between TB8-9	/7.06
TB9		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		/15.02
TB10		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 8 Position Between TB10-17	+L3/3.17
TB11		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/25.15
TB12		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/29.06
TB13		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/15.07
TB14		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				+L3/6.06
TB15		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/25.06
TB16		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/7
TB17		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		/7
TB18		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 4 Position Between TB18-21	+L3/3.16
TB19		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/7.03
TB20		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/20.02
TB21		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		+L3/6.05
TB22		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		+L3/6.02



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Terminal line-up diagram

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Terminal strip +L5.L6-X5

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068104	Terminal Block, 4Pos 1.5mm GND Clamp	⋮		068105		+L7/35.08
TB2		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper is Trimmed Down To 2 Position Between TB2-3	+L7/35.07
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●		068105		+L1.L4/14.19
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper is Trimmed Down To 2 Position Between TB4-5	+L1.L4/22.02
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●		068105		+L7/35.06
TB6	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮		068120		+L1.L4/16.05
TB6	2			⋮				+L1.L4/16.05
TB7	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L7/35.07
TB7	2			⋮				+L7/35.08
TB8	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/16.07
TB8	2			⋮				+L7/35.06
TB9	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/16.13
TB9	2			⋮				+L1.L4/16.13
TB10	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/21.06
TB10	2			⋮				+L1.L4/21.04
TB11	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮		068120		+L1.L4/17.02
TB11	2			⋮				
TB12	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/23.03
TB12	2			⋮				+L1.L4/23.03
TB13	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	●				+L1.L4/23.04
TB13	2			●				+L1.L4/23.04
TB14	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/23.06
TB14	2			⋮				+L1.L4/23.05
TB15	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/23.08
TB15	2			⋮				+L1.L4/23.06
TB16	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/23.08
TB16	2			⋮				+L1.L4/23.09
TB17	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮		068120		+L1.L4/23.07
TB17	2			⋮				+L1.L4/23.09
TB18	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/24.03
TB18	2			⋮				+L1.L4/24.03
TB19	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/24.04
TB19	2			⋮				+L1.L4/24.04
TB20	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	⋮				+L1.L4/24.06
TB20	2			⋮				+L1.L4/24.05



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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +L5.L6-X5

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB21	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/24.08
TB21	2			•				+L1.L4/24.06
TB22	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/24.08
TB22	2			•				+L1.L4/24.09
TB23	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•		068120		+L1.L4/24.07
TB23	2			•				+L1.L4/24.09
TB24	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/22.02
TB24	2			•				+L1.L4/22.02
TB25	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•		068120		
TB25	2			•				+L1.L4/22.03
TB26	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/16.07
TB26	2			•				+L1.L4/16.07
TB27	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/16.07
TB27	2			•				+L1.L4/16.07
TB28	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/16.07
TB28	2			•				+L1.L4/16.07
TB29	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•		068120		+L1.L4/17.04
TB29	2			•				+L1.L4/17.03
TB30	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•		068120		+L1.L4/17
TB30	2			•				+L1.L4/17.05
TB31	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/14.19
TB31	2			•				+L1.L4/14.20
TB32	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•		068120		+L1.L4/14.18
TB32	2			•				



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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +L11.L12-X6

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L3/1.08
TB2		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•		068105		+L1.L4/18.12
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 2 Position Between TB3-4	+L1.L4/8.05
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		+L1.L4/8.13
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 3 Position Between TB5-7	+L1.L4/15.09
TB6		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				+L1.L4/25.02
TB7		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		+L1.L4/18.12
TB8		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 2 Position Between TB8-9	+L1.L4/22.07
TB9		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		+L1.L4/22.06
TB10	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/16.02
TB10	2			•				+L1.L4/16.02
TB11	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/16.02
TB11	2			•				+L1.L4/16.02
TB12	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/7.15
TB12	2			•				+L1.L4/7.17
TB13	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/8.09
TB13	2			•				+L1.L4/8.07
TB14	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				
TB14	2			•				+L1.L4/8.11
TB15	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				
TB15	2			•				+L1.L4/8.13
TB16	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•		068120		+L1.L4/22.13
TB16	2			•				+L1.L4/22.10
TB17	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/8
TB17	2			•				+L1.L4/8.16



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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +L9.L10-X7

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L3/1.08
TB2		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L4/9.03
TB3		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L4/9.07
TB4		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L4/9.10
TB5		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•		068105		+L1.L4/14.03
TB6		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 5 Position Between TB6-10	+L1.L4/9.01
TB7		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				+L1.L4/9.02
TB8		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				+L1.L4/9.06
TB9		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				+L1.L4/9.09
TB10		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				068105
TB11		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105	+L1.L4/15.11	
TB12		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105	+L1.L4/15.11	
TB13	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/9.02
TB13	2			•				+L1.L4/9.04
TB14	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/9.06
TB14	2			•				+L1.L4/9.08
TB15	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/9.09
TB15	2			•				+L1.L4/9.11
TB16	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/9.13
TB16	2			•				+L1.L4/9.15
TB17	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/9.16
TB17	2			•				+L1.L4/9.19
TB18	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/10.02
TB18	2			•				+L1.L4/10.04
TB19	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/10.05
TB19	2			•				+L1.L4/10.07
TB20	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/10.09
TB20	2			•				+L1.L4/10.11
TB21	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/10.12
TB21	2			•				
TB22	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/10.14
TB22	2			•				+L1.L4/10.16
TB23	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/11.02
TB23	2			•				+L1.L4/11.04
TB24	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/11.05



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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +L9.L10-X7

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB24	2			•				+L1.L4/11.07
TB25	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/33.07
TB25	2			•				+L1.L4/33.08
TB26	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/11.09
TB26	2			•				
TB27	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/14.02
TB27	2			•				+L1.L4/14.04
TB28	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•				+L1.L4/14.05
TB28	2			•				+L1.L4/14.07
TB29	1	068119	Terminal Block, 2 Tier 2.5mm Clamp	•		068102		+L1.L4/14.09
TB29	2			•				+L1.L4/14.11



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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +L5.L14-X8

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L3/1.08
TB2		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L4/12.14
TB3		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•				+L1.L4/12.16
TB4		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•		068105		+L1.L4/12.18
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper is Trimmed Down To 4 Position Between TB5-8	+L1.L4/11.12
TB6		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●				+L1.L4/11.13
TB7		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●				+L1.L4/12.13
TB8		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●		068105		+L1.L4/12.15



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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +L5.L15-X9

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		052293	Junction Block, 3-Position Wire Clamp	•				+L1.L4/14.15
TB2		052293-2	Junction Block, 2-Position Wire Clamp	•				+L1.L4/14.14
TB3		052293-2	Junction Block, 2-Position Wire Clamp	•				+L1.L4/14.13
TB4		052293	Junction Block, 3-Position Wire Clamp	•				+L1.L4/14.14

		Wood-Mizer®	
Project Description: WM4500			
Revision:	A1.00	Pg Desc: Terminal line-up diagram	
Mounting Location: +Docs		Type: Terminal line-up diagram	
Prev. pg:	D8	Page:	D9
Next pg:	E1	Total Pgs:	78

Cable Overview

Wood-Mizer_Cable_Overview

Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
W1	069958	Cable Assy, Ind. Mill Blade Motor	+L1.L3/1.118
W2	069993	Cable Assy, Ind. Mill Hydraulic Mtr	+L1.L3/2.202
W3	078441	Cable Assy, Ind. Mill Feed Motor	+L1.L3/2.208
W4	068179	Cable Assy, Ind. Mill Up/Dn Servo Mtr	+L1.L3/2.214
W5	068180	Cable Assy, Ind. Mill Up/Dn Servo Enc	+L1.L3/2.213
W6	069959	Cable Assy, Ind. Mill Debarker Motor	+L1.L3/3.302
W20	069962	Cable Assy, Ind. Mill Head Box	+L1.L4/7.708
W21	078656	Cable Assy, Ind. Mill Hydraulic Control	+L1.L4/10.1002
W22	078657	Cable Assy, Ind. Mill Operator Junction	+L1.L4/15.1514
W23	078658	Cable Assy, Ind. Mill HMI Control	+L1.L4/16.1610
W30	078659	Cable Assy, Ind. Mill Left Joystick	+L1.L4/23.2303
W31	078660	Cable Assy, Ind. Mill Right Joystick	+L1.L4/24.2403
W32	078054	Cable Assy, Ind. Mill Sec. Side Supports	+L1.L4/14.1418
W33	078053	Cable Assy, Ind. Mill Sd Spt Ft Pdl	+L1.L4/14.1413
W34	069963	Cable Assy, Ind. Mill Seat Switch	+L1.L4/16.1605
W35	078661	Cable Assy, Ind. Mill Foot Pedal	+L1.L4/22.2202
W36	078662	Cable Assy, Ind. Mill Blade Break Prox	+L1.L4/22.2210
W37	078663	Cable Assy, Ind. Mill Ball Nut Prox	+L1.L4/22.2212
W38	069988	Cable Assy, Ind. Mill Blade Guide Motor	+L1.L4/7.715
W39	068074	Cable Assy, Ind. Mill Laser	+L1.L4/8.813
W40	068048	Cable Assy, Ind. Mill Feed Encoder Pwr	+L1.L4/18.1811
W40A	068206	Connector Assy, Ind. Mill Feed Encoder	+L1.L4/18.1811
W41	078791	Cable Assy, Drag Back Solenoid	+L1.L4/8.802
W42	078665	Cable Assy, Ind. Mill Prop Valve	+L1.L4/33.3307
W61	069977	Cable Assy, Ind. Mill Bld Brk Sol.	+L1.L4/8.807
W62	069978	Cable Assy, Ind. Mill Blw Off Sol.	+L1.L4/8.809
W63	069979	Cable Assy, Ind. Mill Debarker Sol.	+L1.L4/8.811
W64	069966	Cable Assy, Ind. Mill Clamp In/Out Sol	+L1.L4/9.902
W65	069967	Cable Assy, Ind. Mill Turner Up/Dn Sol.	+L1.L4/9.906
W66	069968	Cable Assy, Ind. Mill Clamp Up/Dn Sol.	+L1.L4/9.909
W67	069969	Cable Assy, Ind. Mill Toe #1 Up/Dn Sol.	+L1.L4/9.913
W68	069970	Cable Assy, Ind. Mill Pwr Tpr Fwd/Rv Sol.	+L1.L4/9.916
W69	069971	Cable Assy, Ind. Mill Toe #2 Up/Dn Sol.	+L1.L4/10.1002
W70	069972	Cable Assy, Ind. Mill Toe #3 Up/Dn Sol.	+L1.L4/10.1005
W71	069973	Cable Assy, Ind. Mill Sd Sup Up/Dn Sol.	+L1.L4/10.1009



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Project Description: WM4500

Revision:	A1.00	Pg Desc:	Cable overview
Mounting Location:	+Docs	Type:	Cable overview
Prev. pg:	D9	Page:	E1
		Next pg:	E2
		Total Pgs:	78

Cable Overview

Wood-Mizer_Cable_Overview

Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
W72	068189	Cable Assy, Ind. Mill Conveyor Sol.	+L1.L4/10.1012
W73	069974	Cable Assy, Ind. Mill Pwr Tpr Fwd/Rv Sol.	+L1.L4/10.1014
W74	069975	Cable Assy, Ind. Mill Loader Up/Dn Sol.	+L1.L4/11.1102
W75	069976	Cable Assy, Ind. Mill Log Deck Fwd/Rev S	+L1.L4/11.1105
W76	068281	Cable Assy, Ind. Mill DumpValve	+L1.L4/11.1109
W77	069978	Cable Assy, Ind. Mill Blw Off Sol.	+L1.L4/8.816
W80	078905	Cable Assy, Pull Down Clamp 1 Up/Down	+L9/37.3702
W81	078906	Cable Assy, Pull Down Clamp 1 In/Out	+L9/37.3711
W82	078907	Cable Assy, Pull Down Clamp 2 Up/Down	+L9/38.3802
W83	078908	Cable Assy, Pull Down Clamp 2 In/Out	+L9/38.3811
W90	078055	Cable Assy, Ind. Mill Sec Sd Spt Sol	+L1.L4/14.1413
W100	069937	Cable Assy, Ind. Mill CANopen PLC	+L1.L4/20.2011
W101	069873	Cable Assy, Ind. Mill CANopen Feed Drive	+L1.L4/18.1802
W102	069874	Cable Assy, Ind. Mill CANopen Up/Dn Driv	+L1.L4/18.1802
W103.A	068029	Connector Assy, Ind. Mill CANopen Main	+L1.L4/18.1808
W103.B	068283	Cable Assy, Ind. Mill Encoder CAN	+L1.L4/18.1808
W104	078897	Cable Assy, Pull Down Clamps Mdl CAN	+L9/36.3611
W120	069923	Cable Assy, Ind. Mill Modbus Soft Start	+L1.L4/20.2006
W130	068162	Cable Assy, Ind. Mill Ethernet PLC	+L1.L4/20.2008
W131.A	069888	Cable Assy, Ind. Mill Ethernet Main Inte	+L1.L4/18.1818
W131.B	069997	Cable Assy, Ind. Mill HMI Ethernet	+L5.L7/35.3510
W131.C	069986	Cable Assy, Ind. Mill Ethernet HMI Int	+L5.L7/35.3510
W140	068178	Receptacle, Panel Mount USB	+L5.L7/35.3508
W150	068291	Cable Assy, Ind. Mill BedX Toe Brd U/D	+L1.L4/14.1402
W151	068292	Cable Assy, Ind. Mill BedX Clamp U/D	+L1.L4/14.1405
W152	068293	Cable Assy, Ind. Mill BedX Clamp In/Out	+L1.L4/14.1409
W200	078895	Connector Assy, Ind. Mill Remote Pwr	+L9/36.3606
W201	078898	Cable Assy, Pull Down Clamps Mdl Pwr	+L9/36.3606
W1000	068247	Cable Assy, Ind. Mill Hyd. Bed Ex	+L1.L4/11.1112
W1001	068248	Cable Assy, Ind. Mill BX Trn FR Div	+L1.L4/12.1213
W1002	068249	Cable Assy, Ind. Mill BX Trn FR Blk	+L1.L4/12.1215
W1003	068274	Cable Assy, Ind. Mill BX SS UD Div	+L1.L4/12.1217
W1004	068275	Cable Assy, Ind. Mill BX SS UD Blk	+L1.L4/13.1302
W1005	068276	Cable Assy, Ind. Mill BX Trn UD Div	+L1.L4/13.1304
W1006	068277	Cable Assy, Ind. Mill BX PT FR Div	+L1.L4/13.1306



Wood-Mizer®


Project Description: WM4500

Revision:	A1.00	Pg Desc:	Cable overview
Mounting Location:	+Docs	Type:	Cable overview
Prev. pg:	E1	Page:	E2
		Next pg:	E3
		Total Pgs:	78


Cable Overview

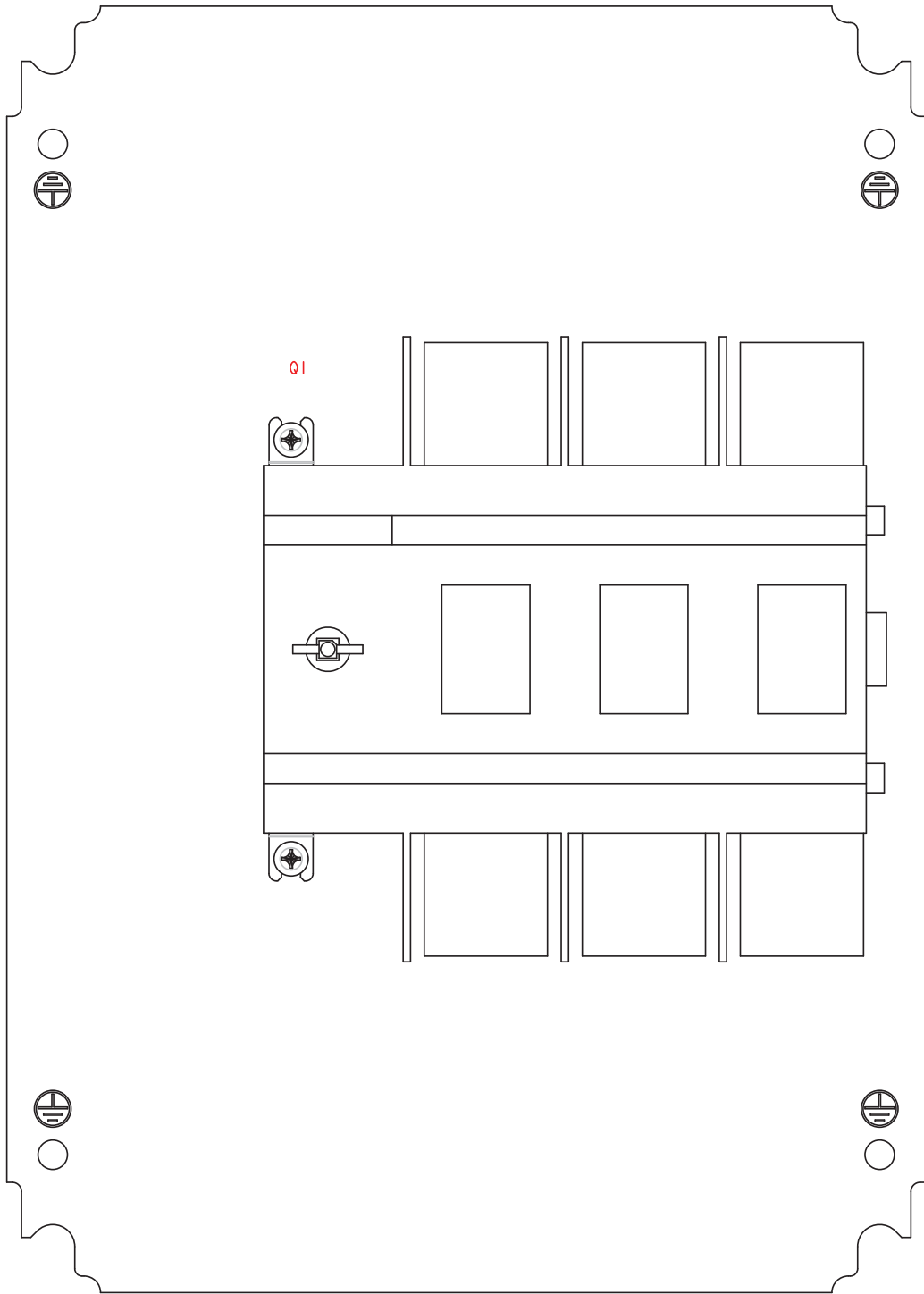
Wood-Mizer_Cable_Overview


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W1007	068278	Cable Assy, Ind. Mill BX PT FR Blk	+L1.L4/13.1308
W1008	068280	Cable Assy, Ind. Mill BX LD UD Div	+L1.L4/13.1310
W1009	068288	Cable Assy, Ind. Mill BX LD UD Blk	+L1.L4/13.1312
W1010	068289	Cable Assy, Ind. Mill BX LD FR Div	+L1.L4/13.1314
W1011	068290	Cable Assy, Ind. Mill BX LD FR Blk	+L1.L4/13.1316
Z1	078785	Harness Assy, Ind. Mill Disconnect	+L1.L3/1.101
Z3	069935	Harness Assy, Ind. Mill Transformer	+L1.L3/3.306

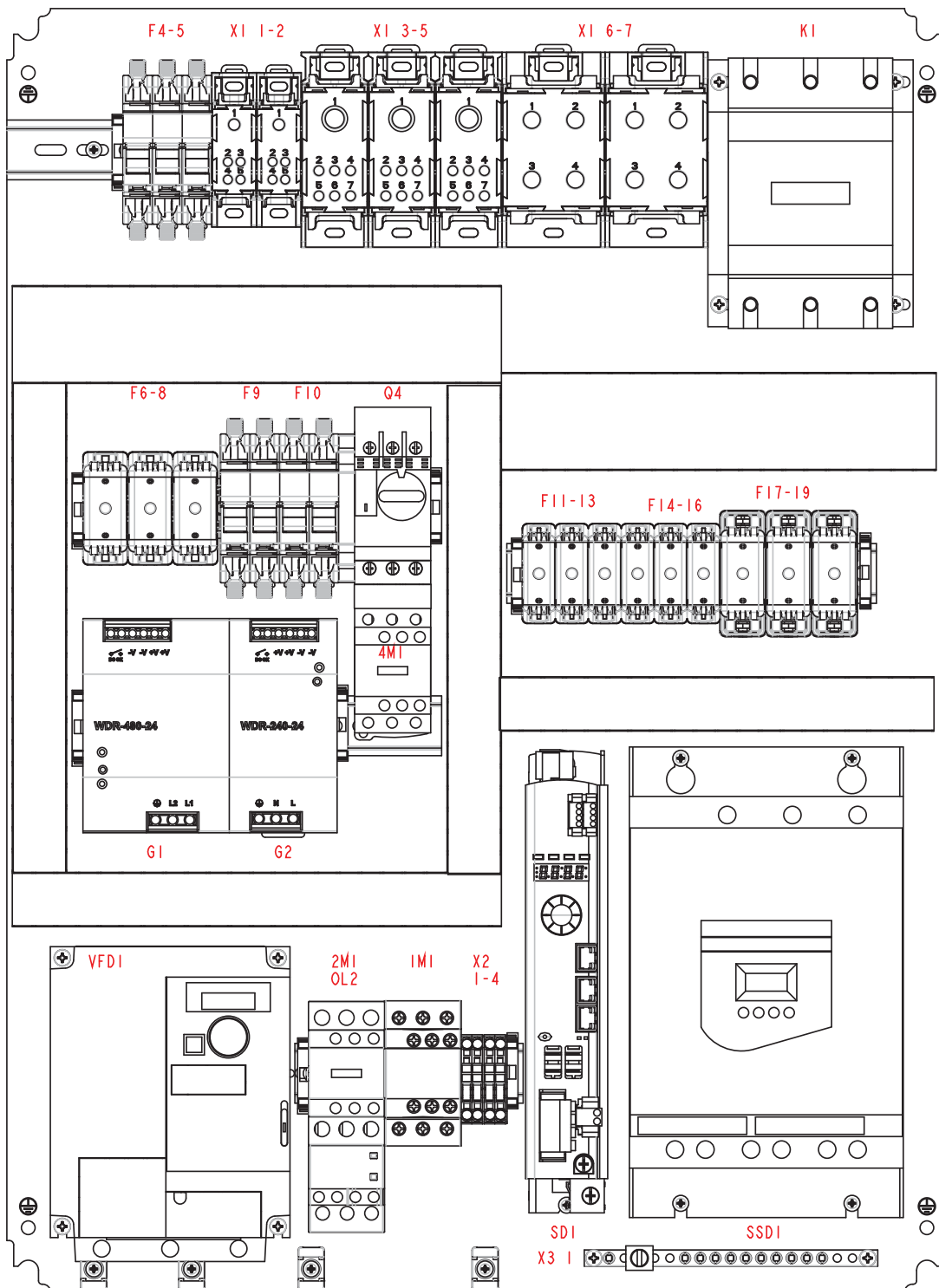
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Mounting Location: +Docs		Type: Cable overview	
Prev. pg:	E2	Page:	E3
Next pg:	F1	Total Pgs:	78



		Wood-Mizer®	
Project Description: WM4500			
Revision:	A1.00	Pg Desc: Main Control Layout	
Mounting Location:	+Docs	Type: Panel layout	
Prev. pg:	E3	Page:	F1
		Next pg:	F2
		Total Pgs:	78



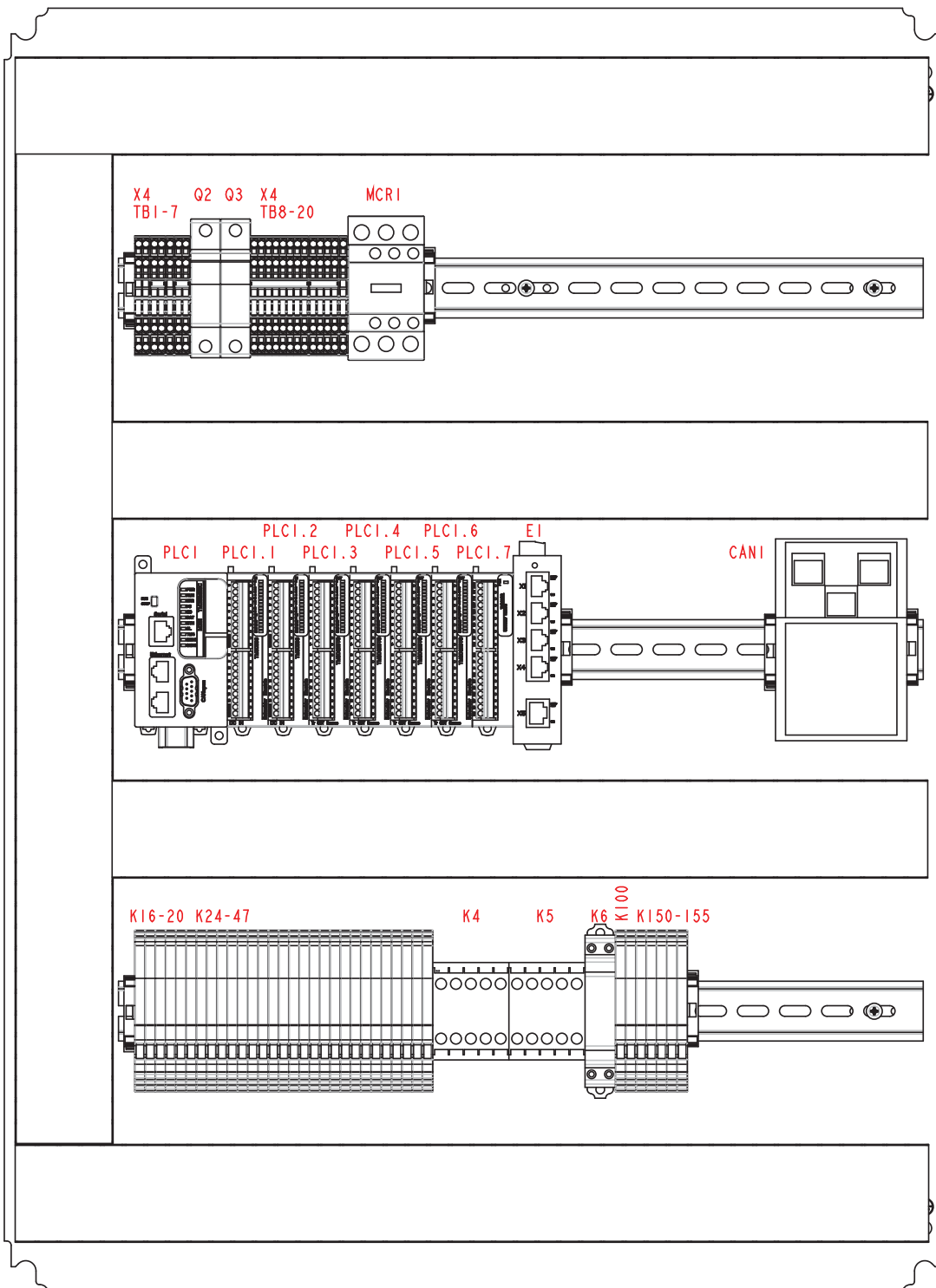
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Mounting Location: +Docs		Type: Panel layout	
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Next pg:	F3	Total Pgs:	78



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Project Description: WM4500

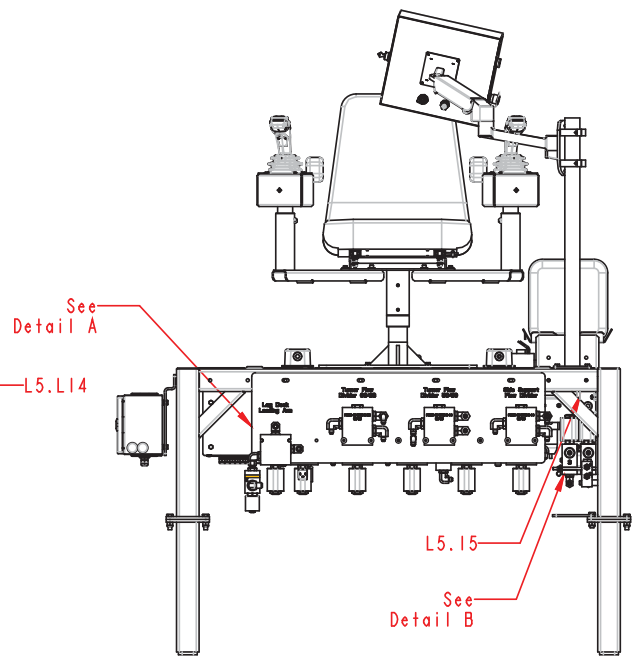
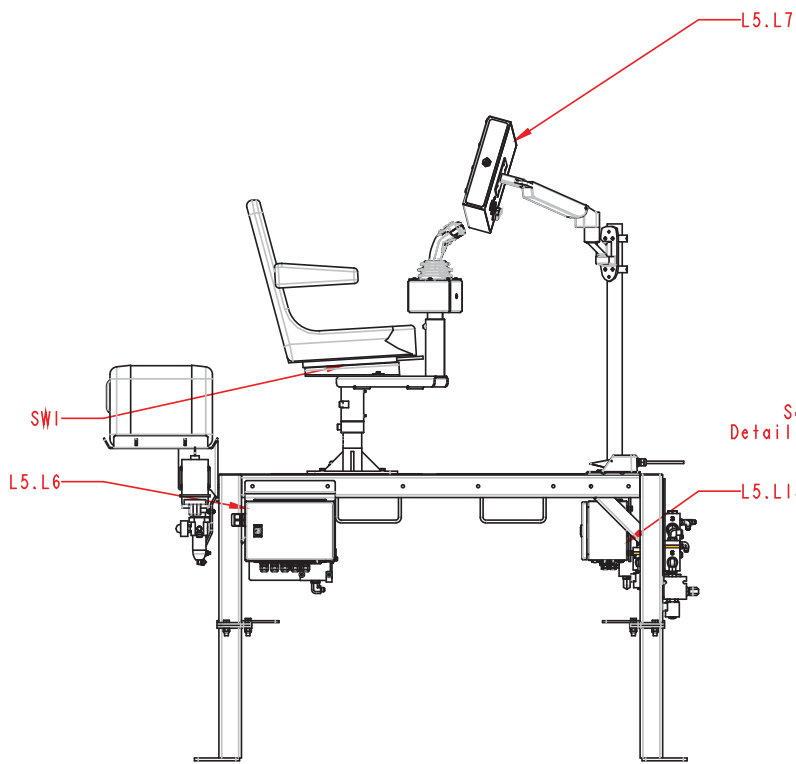
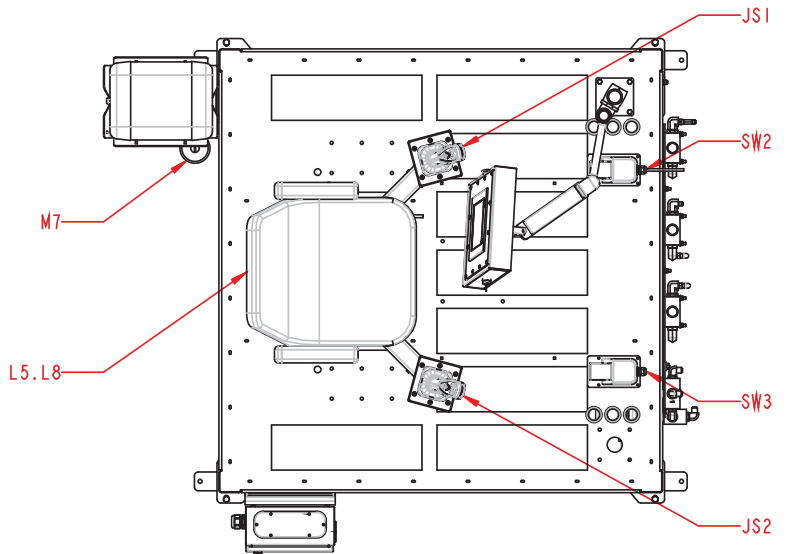
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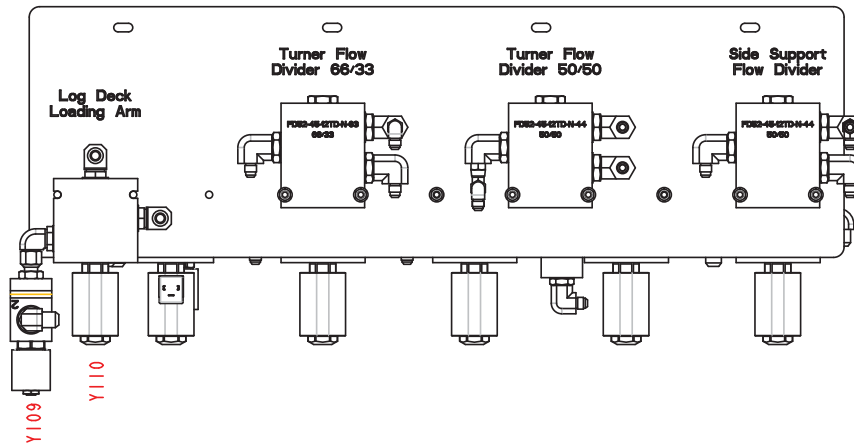
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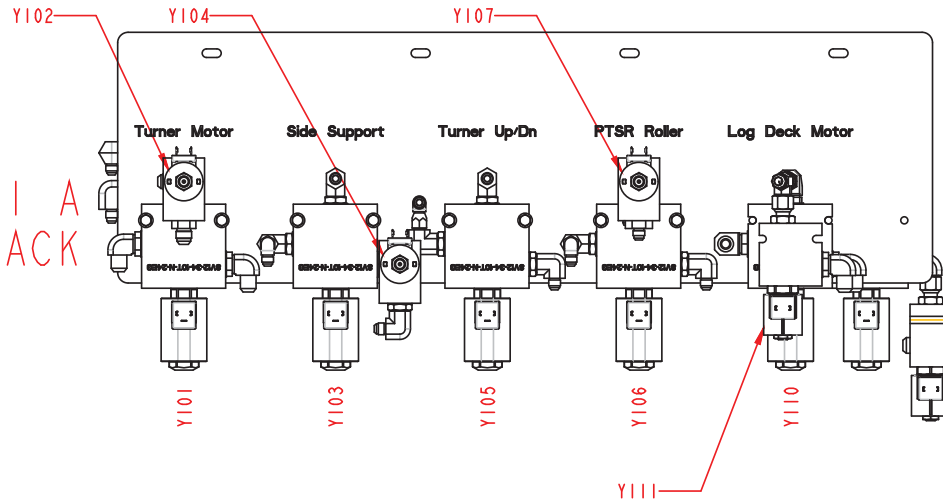


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Project Description: WM4500			
Revision:	A1.00	Pg Desc: Operator Ctl Layout	
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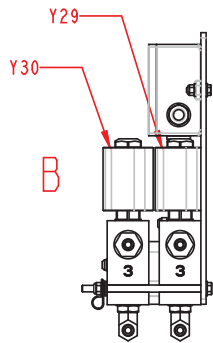
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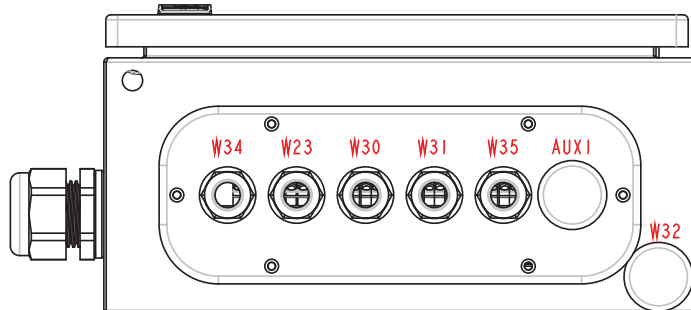
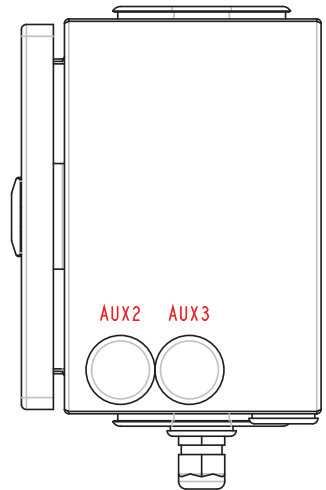
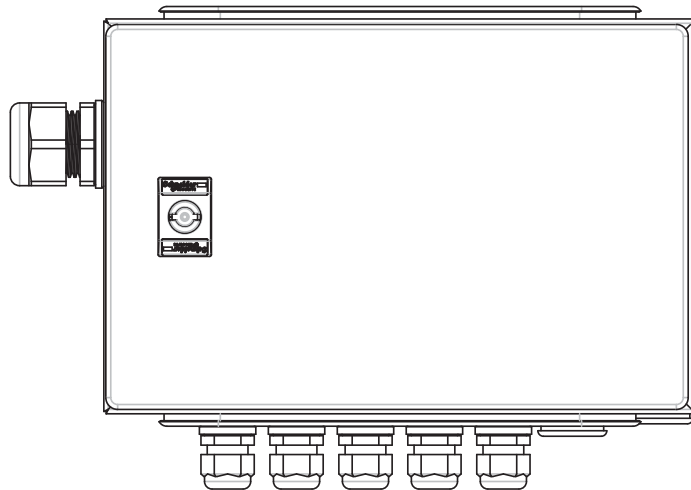
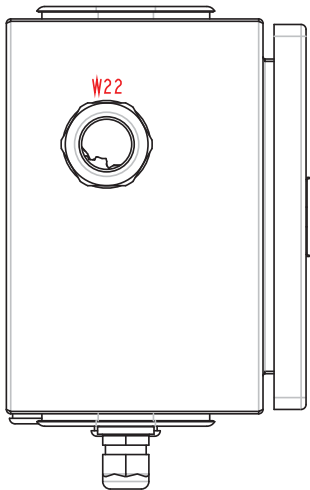
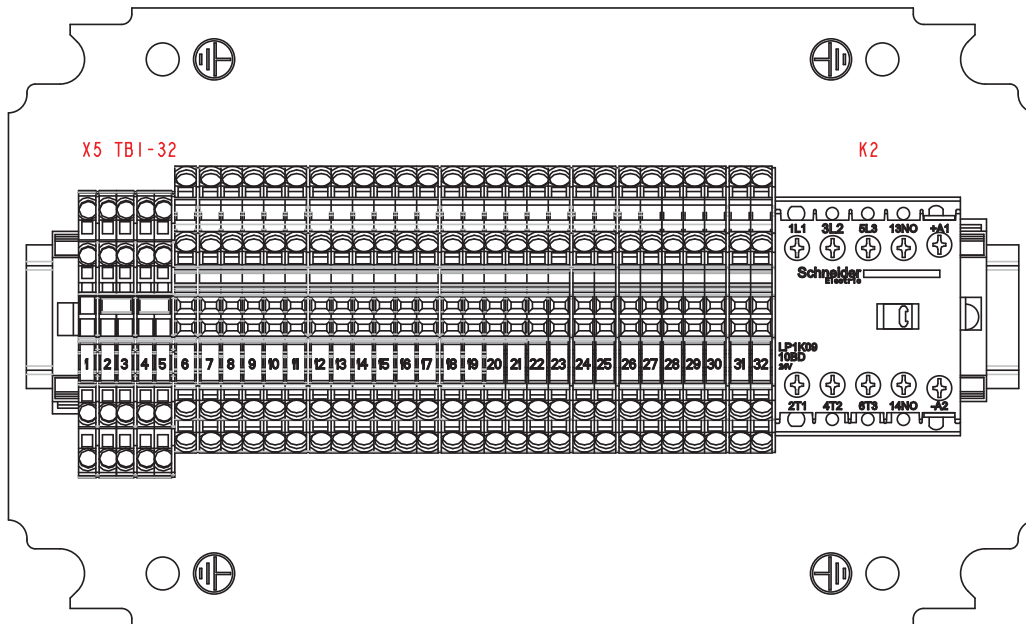
Detail A
BACK




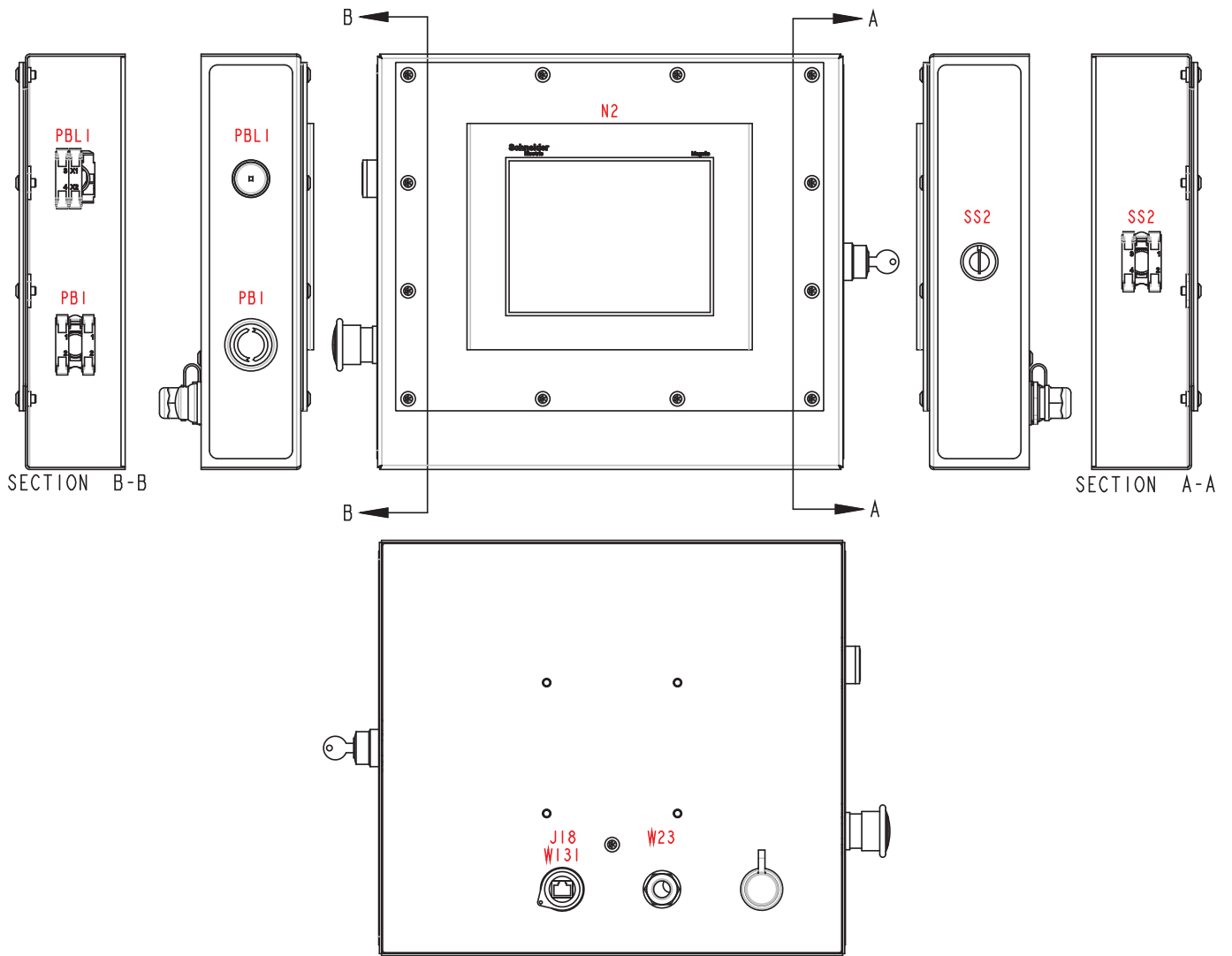
Detail B




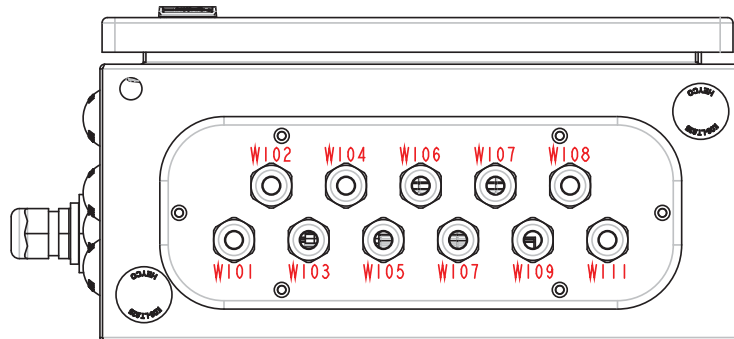
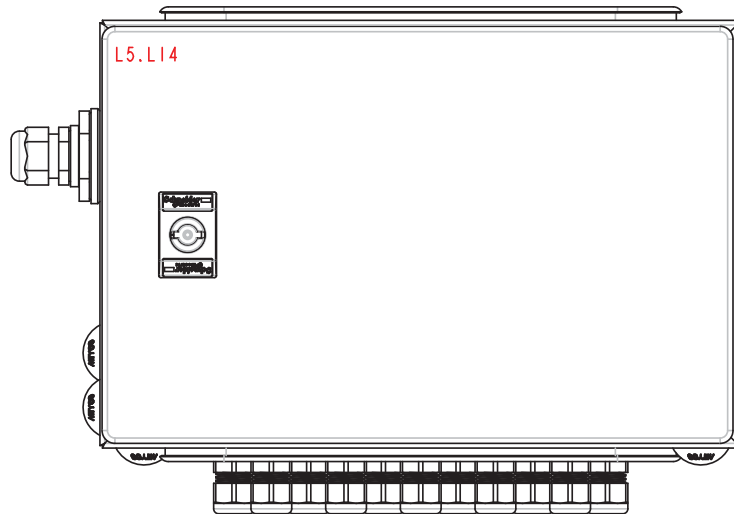
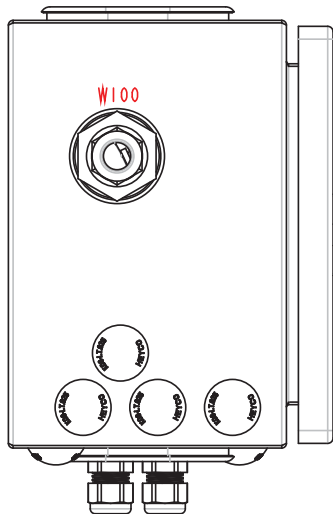
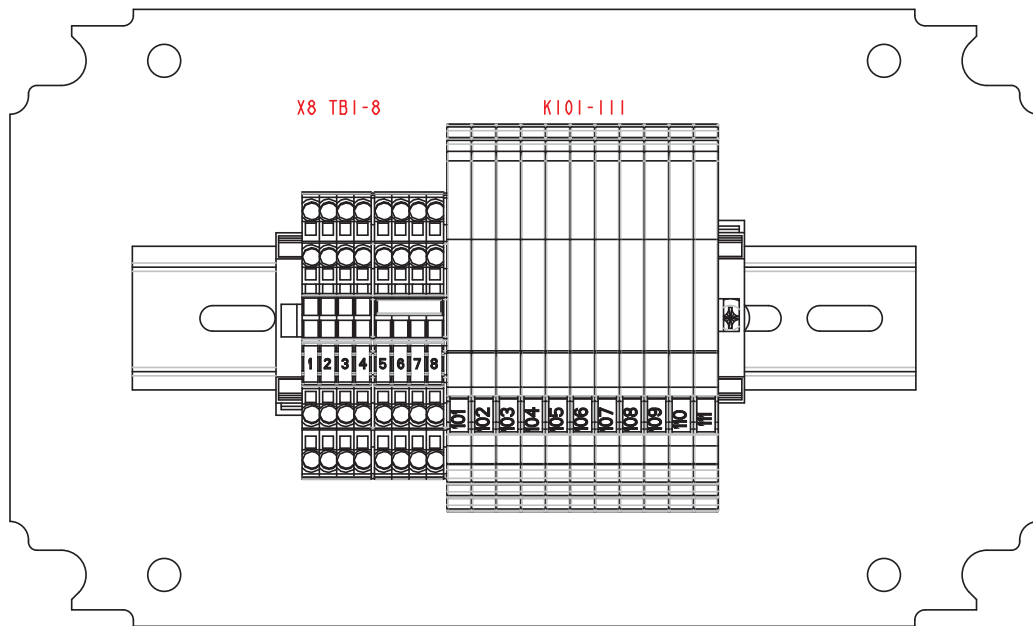
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Project Description: WM4500			
Revision:	A1.00	Pg Desc: Operator Ctl Solenoid Layout	
Mounting Location: +Docs		Type: Panel layout	
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Next pg:		F7	Total Pgs: 78




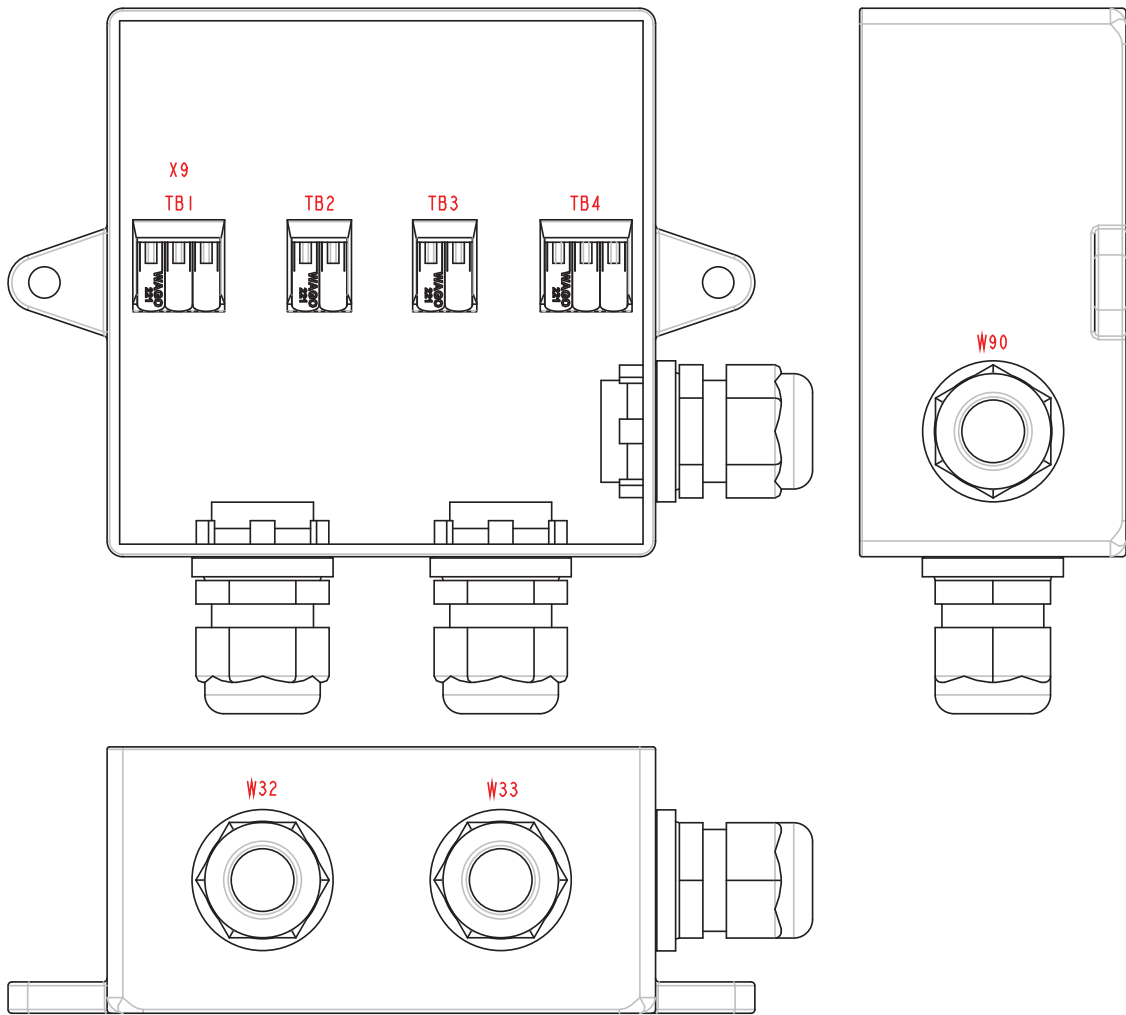
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Project Description: WM4500			
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Mounting Location:	+Docs	Type: Panel layout	
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		Next pg:	F8
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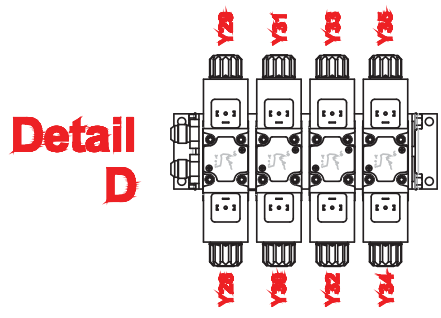
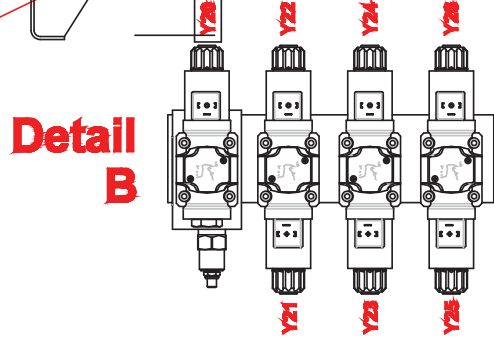
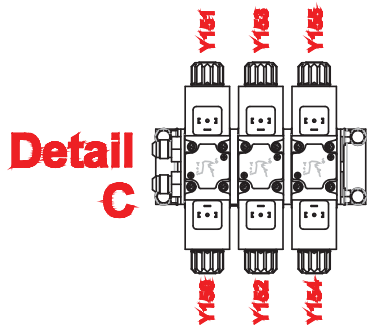
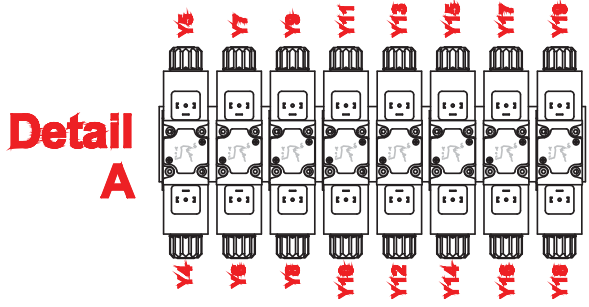
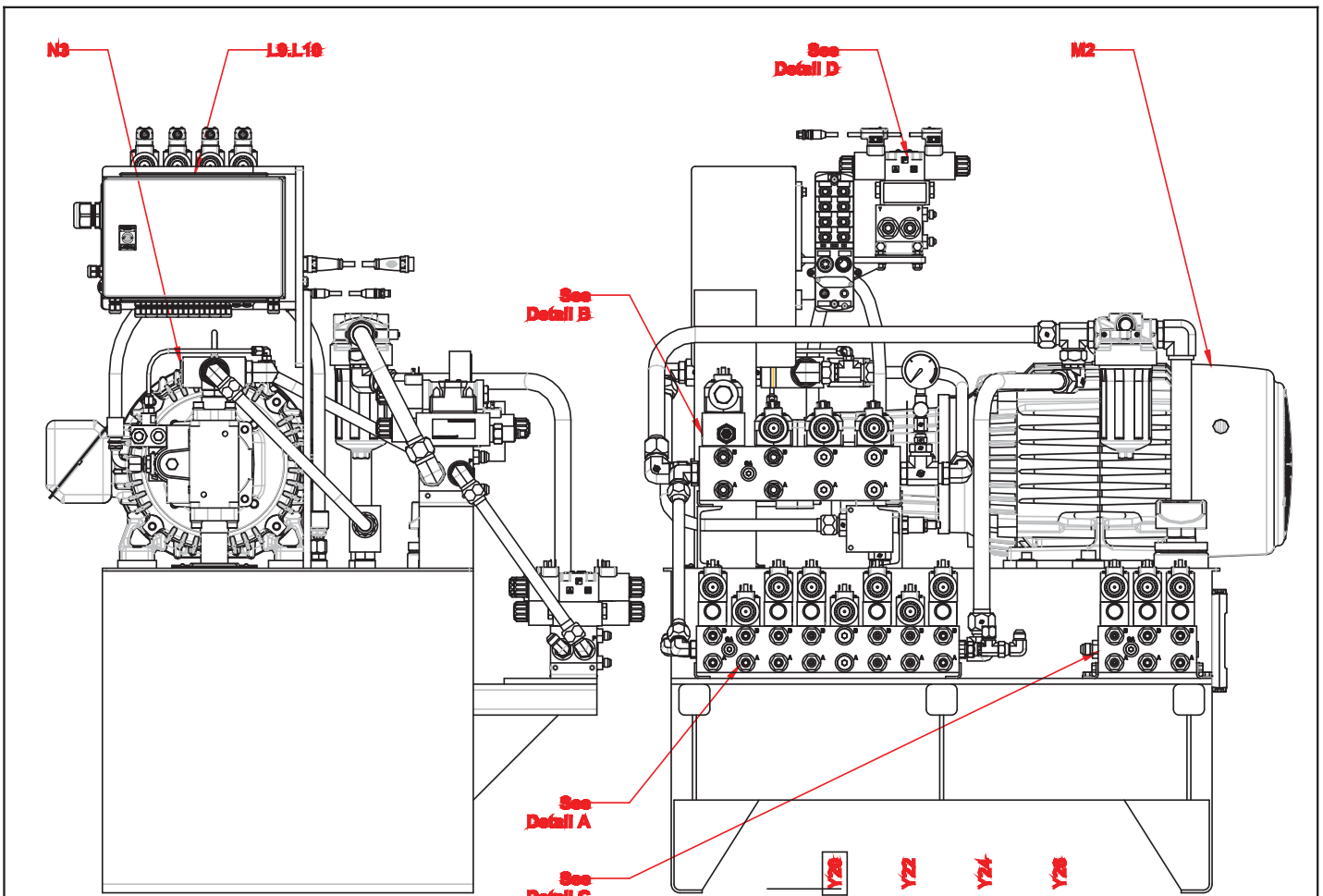


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Project Description: WM4500			
Revision:	A1.00	Pg Desc: Operator Ctl HMI Layout	
Mounting Location: +Docs		Type: Panel layout	
Prev. pg:	F7	Page:	F8
Next pg:	F9	Total Pgs:	78

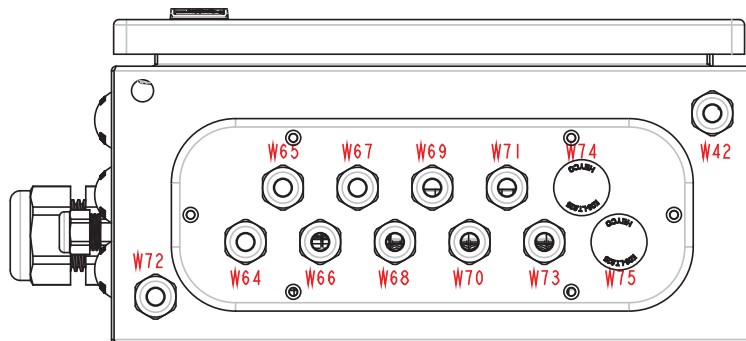
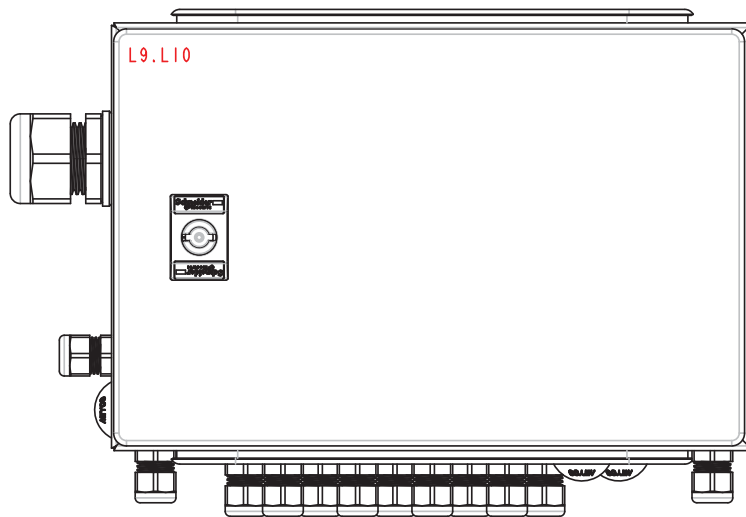
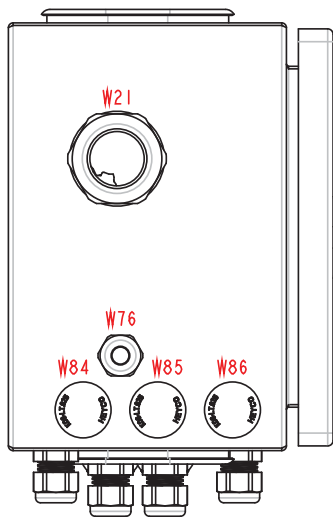
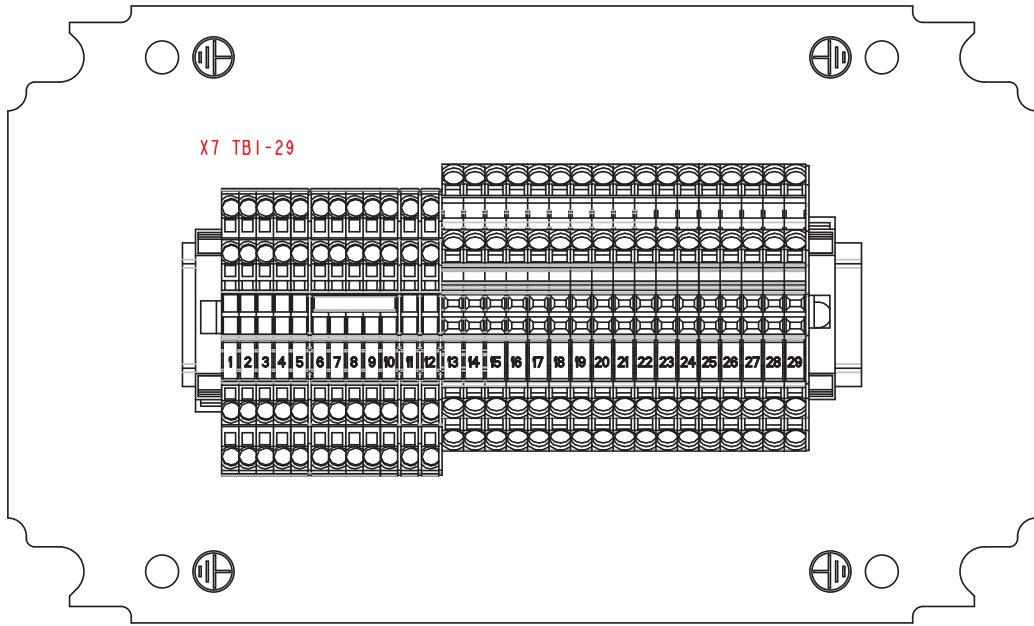



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Project Description: WM4500	
Revision: A1.00	Pg Desc: Operator Ctl Bed Ex Layout
Mounting Location: +Docs	Type: Panel layout
Prev. pg: F8	Page: F9
Next pg: F10	Total Pgs: 78

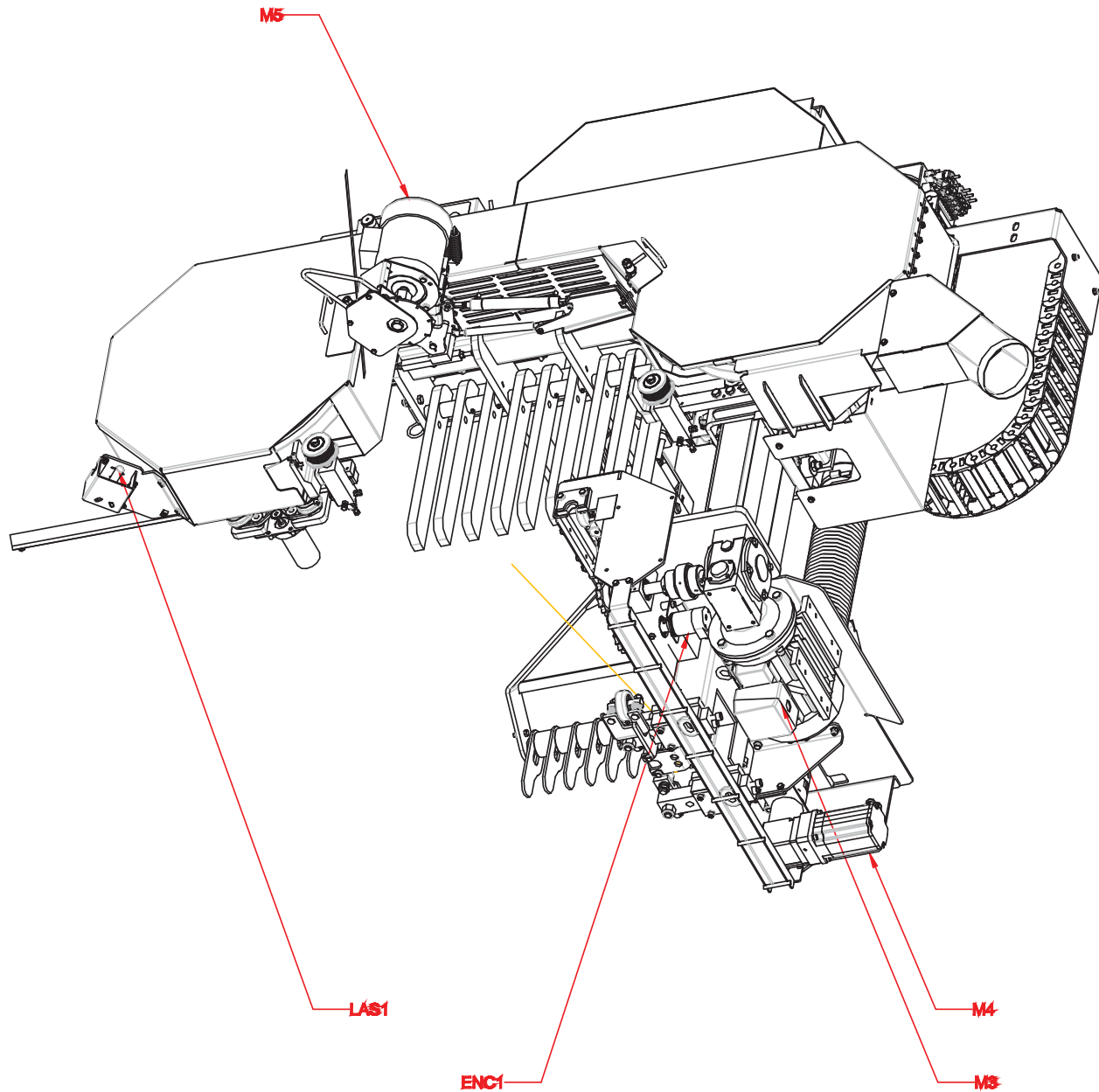




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Project Description: WM4500			
Revision:	A1.00	Pg Desc: Hydraulic Control Layout	
Mounting Location:	+Docs	Type: Panel layout	
Prev. pg:	F10	Page:	F11
		Next pg:	F12
		Total Pgs:	78



		Wood-Mizer®	
Project Description: WM4500			
Revision:	A1.00	Pg Desc: Hydraulic Control Junction Layout	
Mounting Location:	+Docs	Type: Panel layout	
Prev. pg:	F11	Page:	F12
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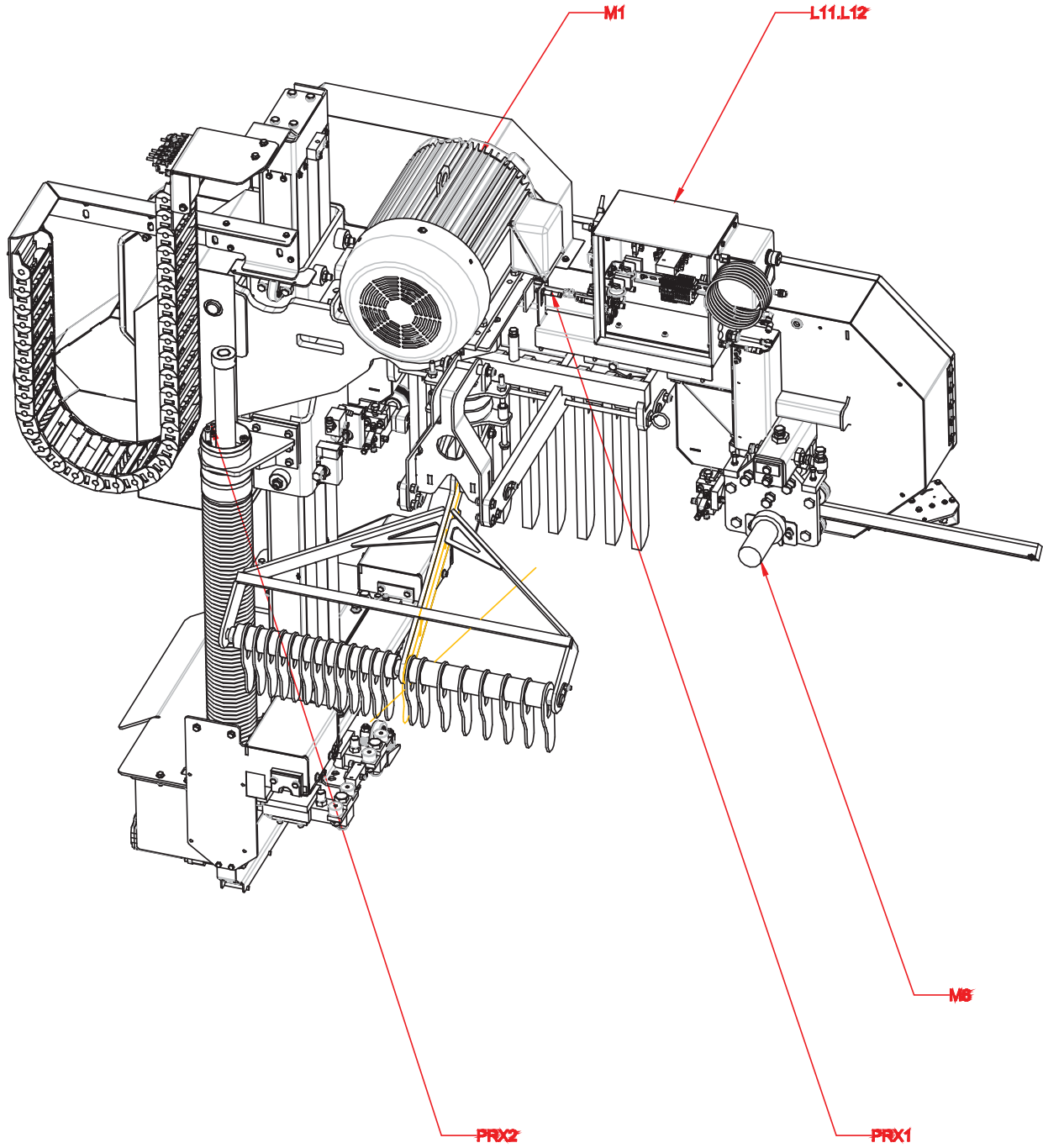
Wood-Mizer®

Project Description: WM4500

Revision: A1.00 Pg Desc: Head Control Layout Pg1

Mounting Location: +Docs Type: Panel layout

Prev. pg: F12 Page: F13 Next pg: F14 Total Pgs: 78

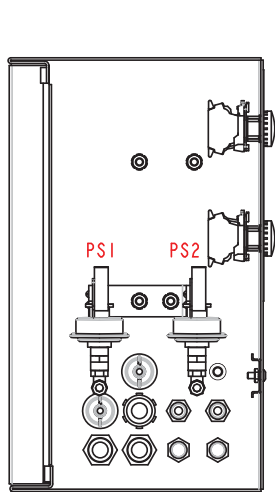
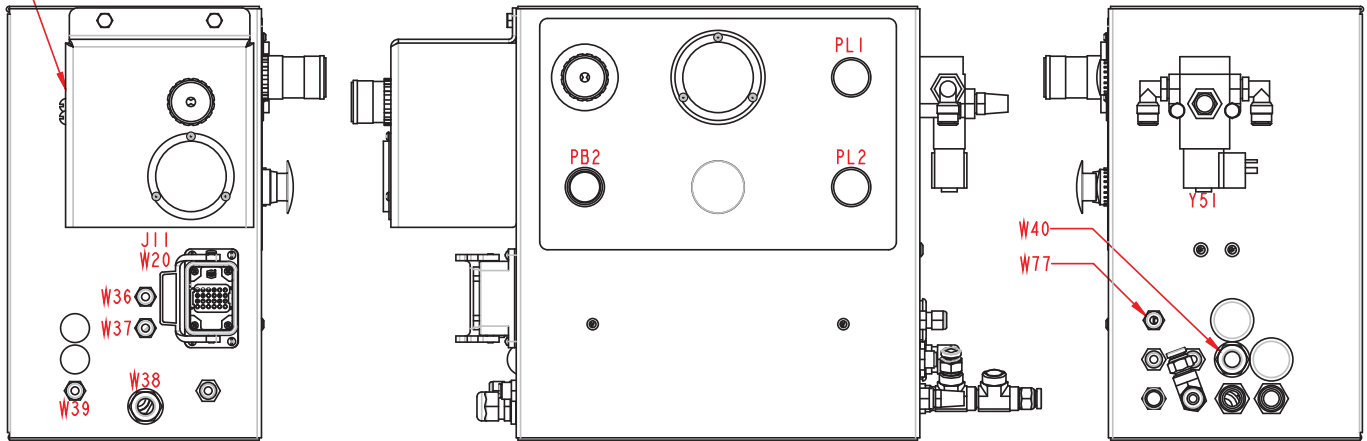


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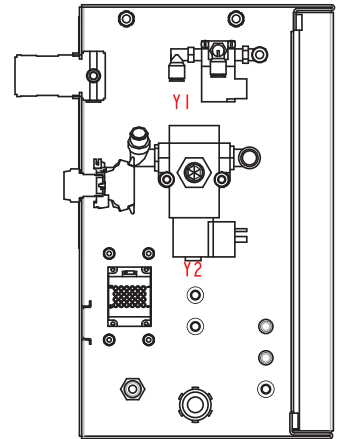
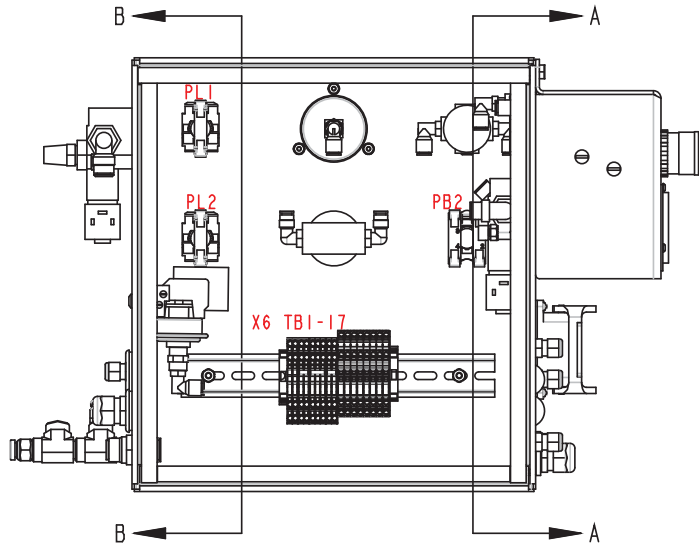
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Revision:	A1.00	Pg Desc: Head Control Layout Pg2	
Mounting Location:	+Docs	Type: Panel layout	
Prev. pg:	F13	Page:	F14
		Next pg:	F15
		Total Pgs:	78

Y3 (Inside Cover)
Debarker In Solenoid



SECTION B-B



SECTION A-A



Wood-Mizer®

Project Description: WM4500

Revision: A1.00 Pg Desc: Head Control Junction Layout

Mounting Location: +Docs Type: Panel layout

Prev. pg: F14 Page: F15 Next pg+Mfg_Docs/GlTotal Pgs: 78