

ELECTRICAL INFORMATION

HR120

Rev. A4.07+

HR130EC15-1

Rev. A6.05+

HR130EB15-1

Rev. A6.05+

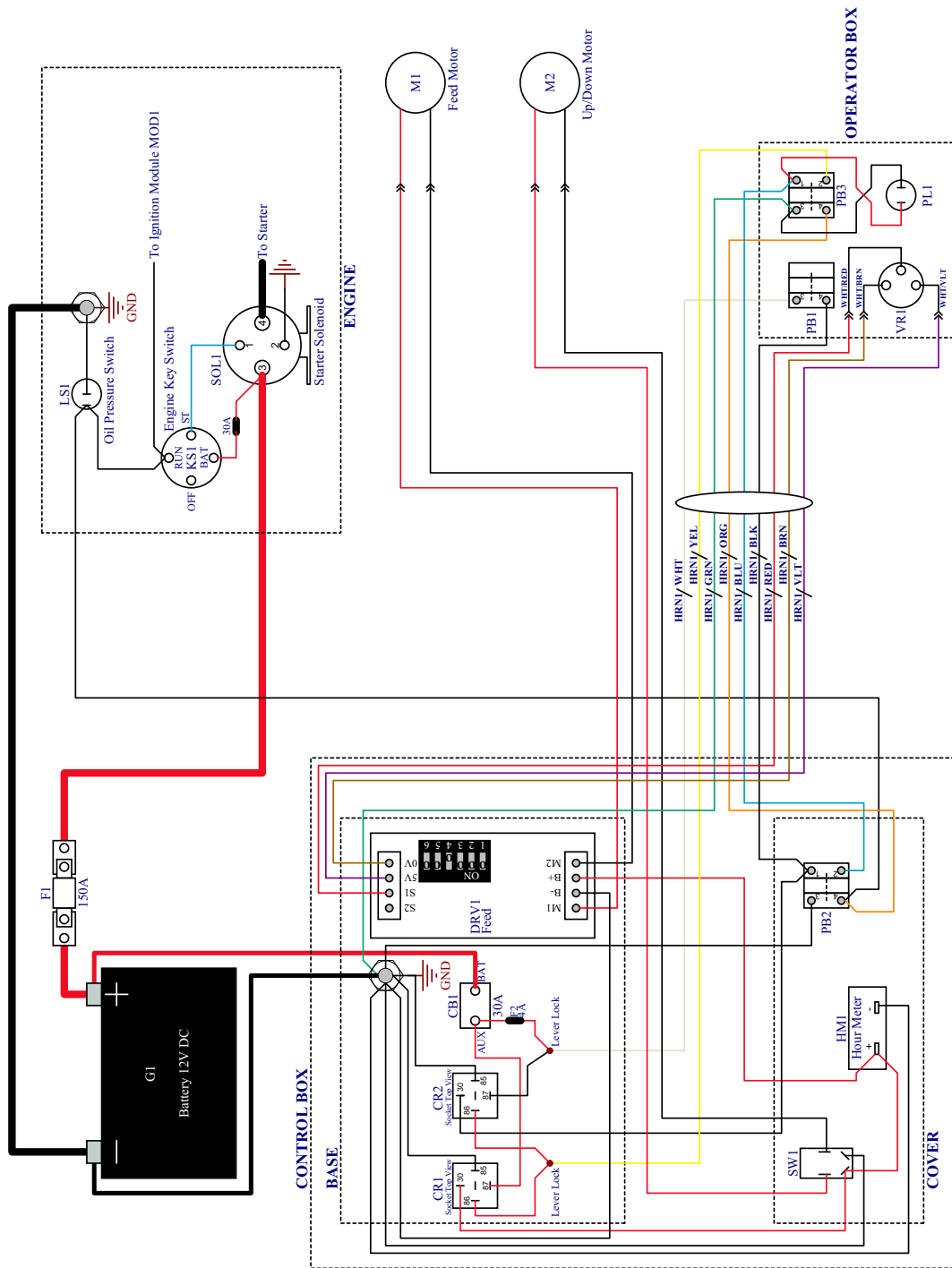
APPENDIX A ELECTRICAL INFORMATION

HR120

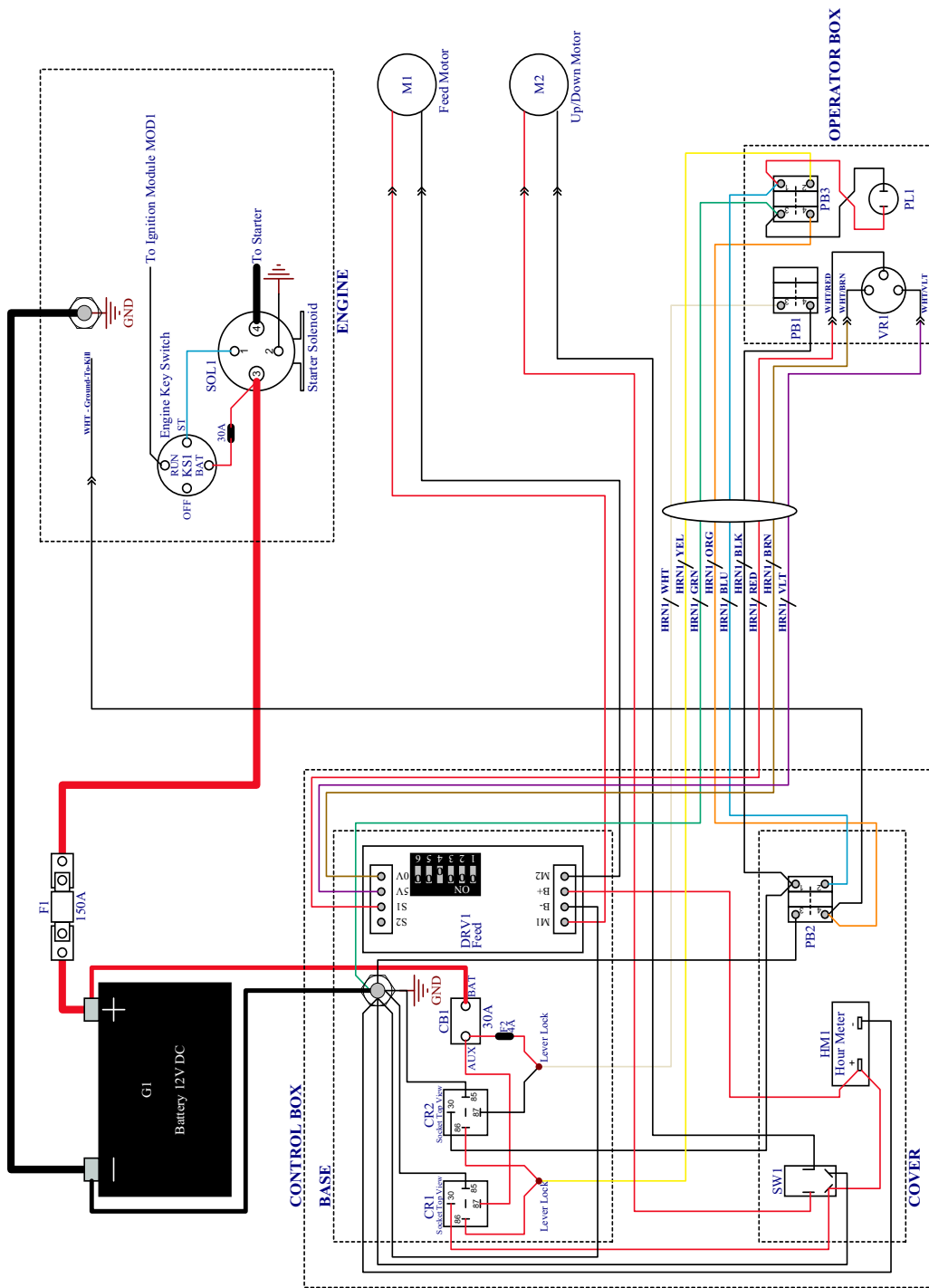
Rev. A4.07+

1.1 Schematic

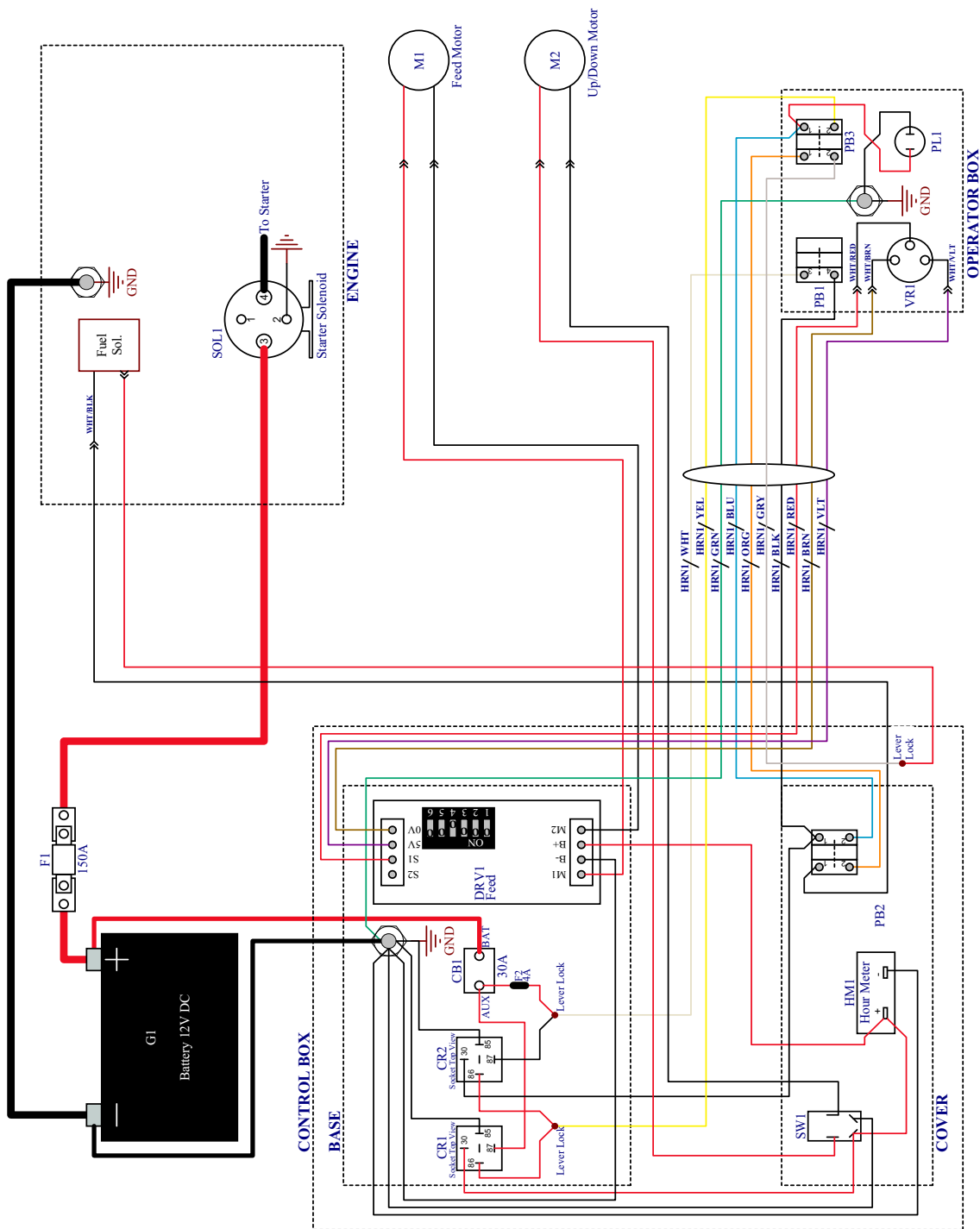
HR120G18



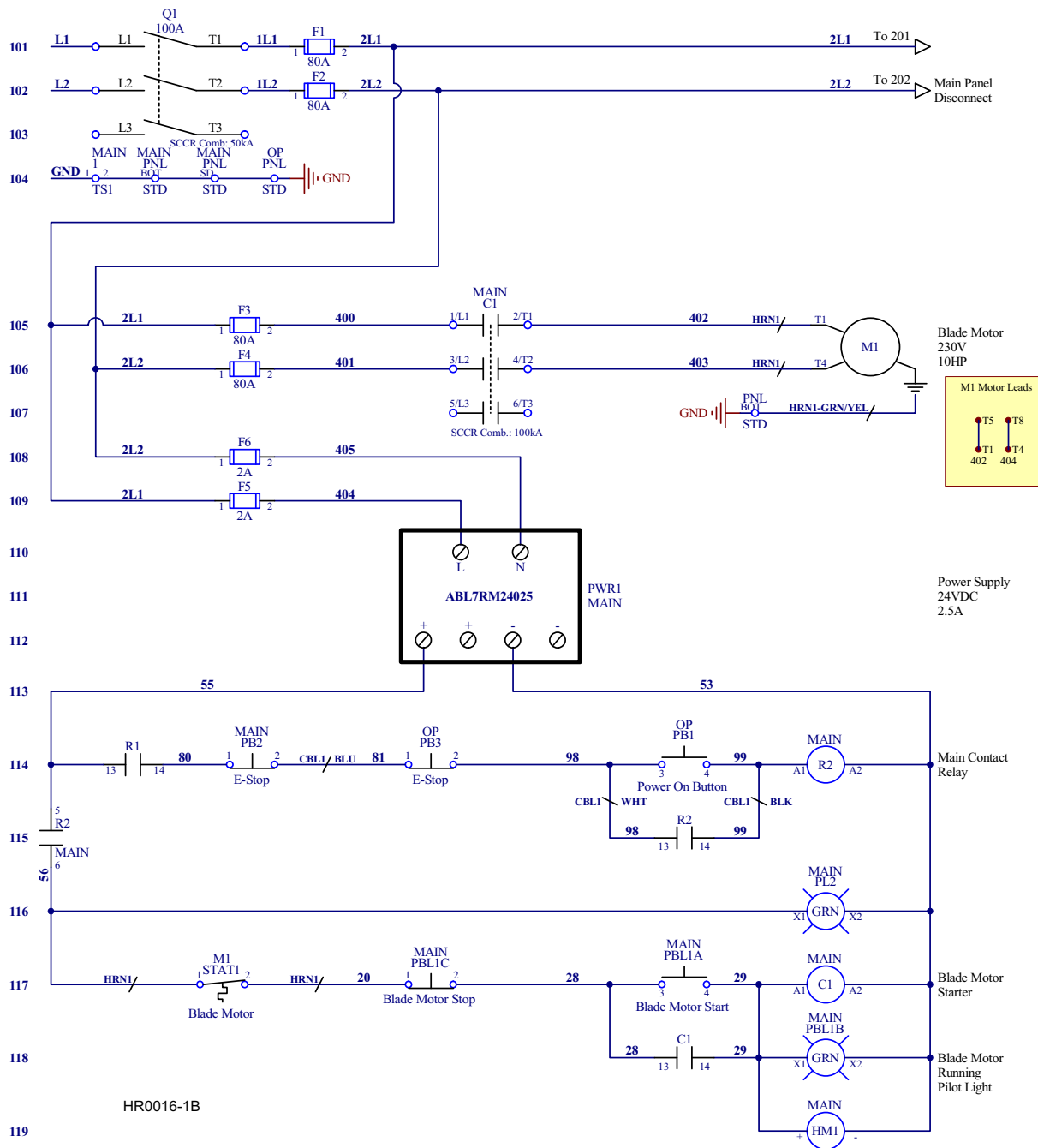
HR120G25

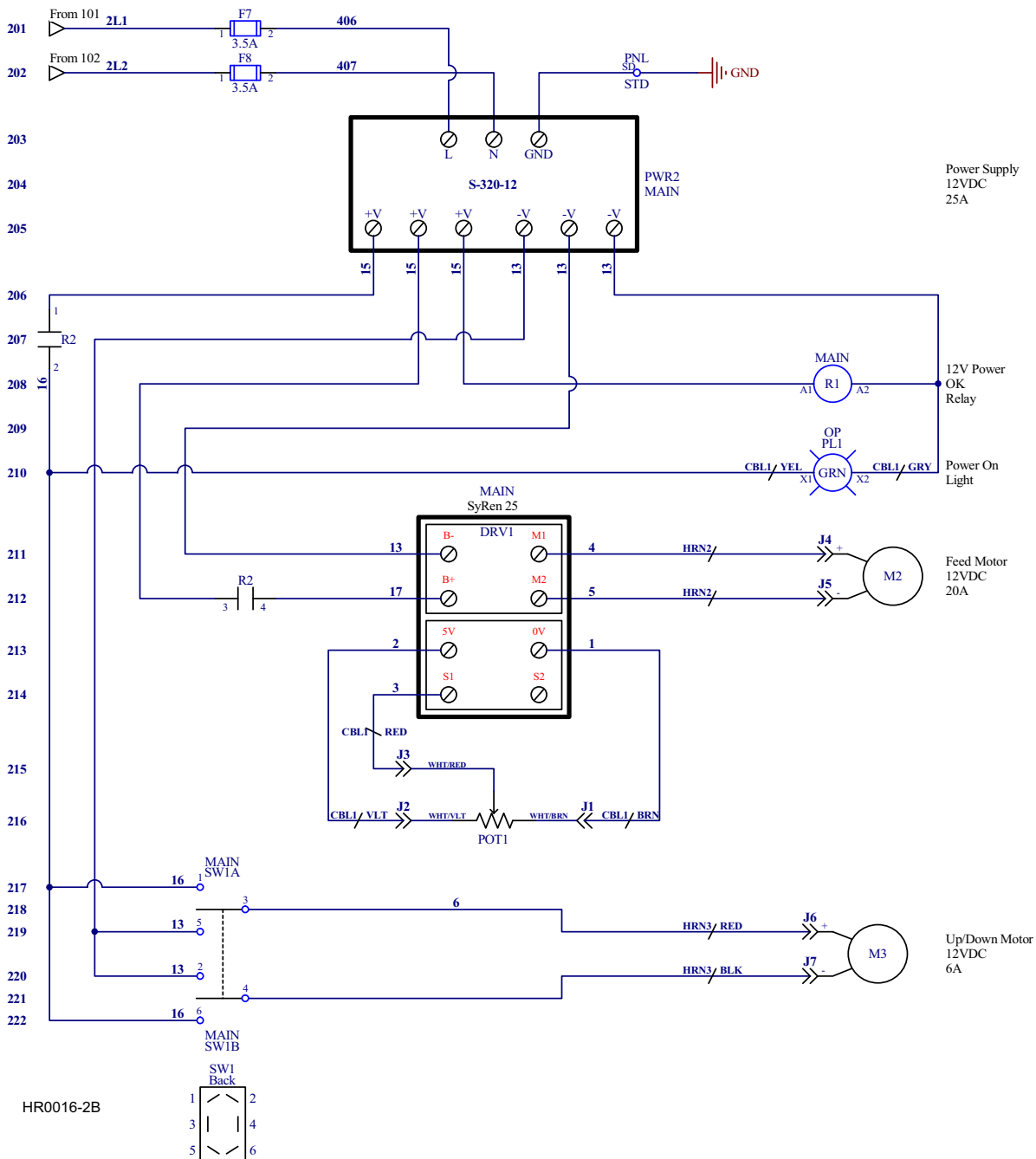


HR120D17



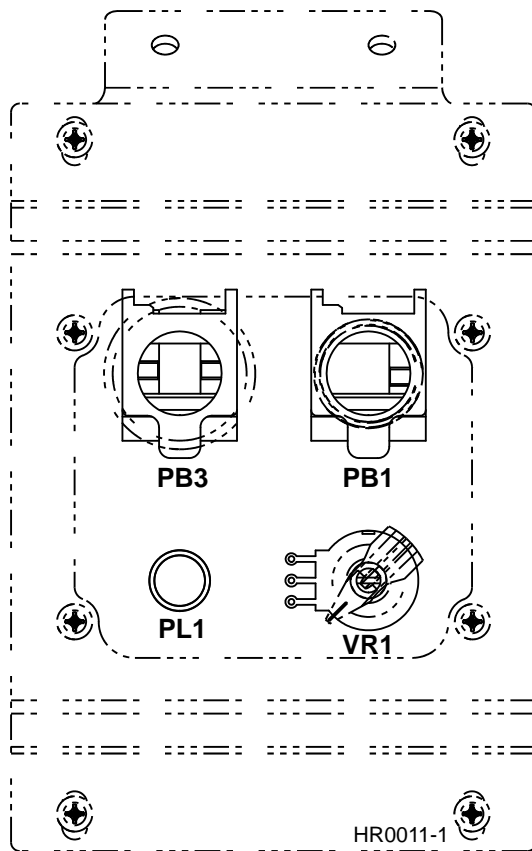
HR120EA10



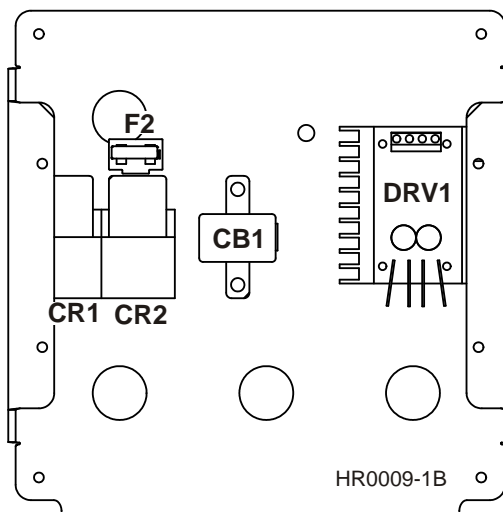
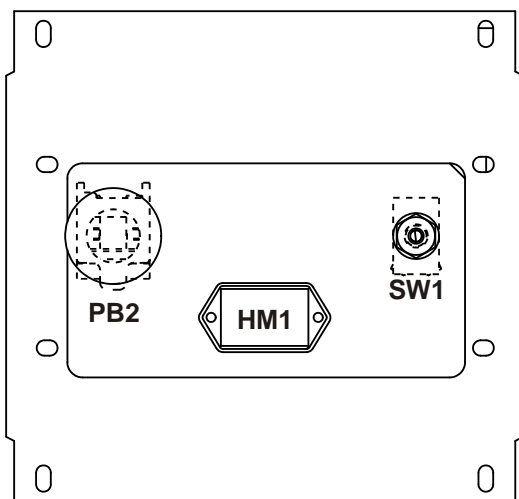


1.2 Component Layout

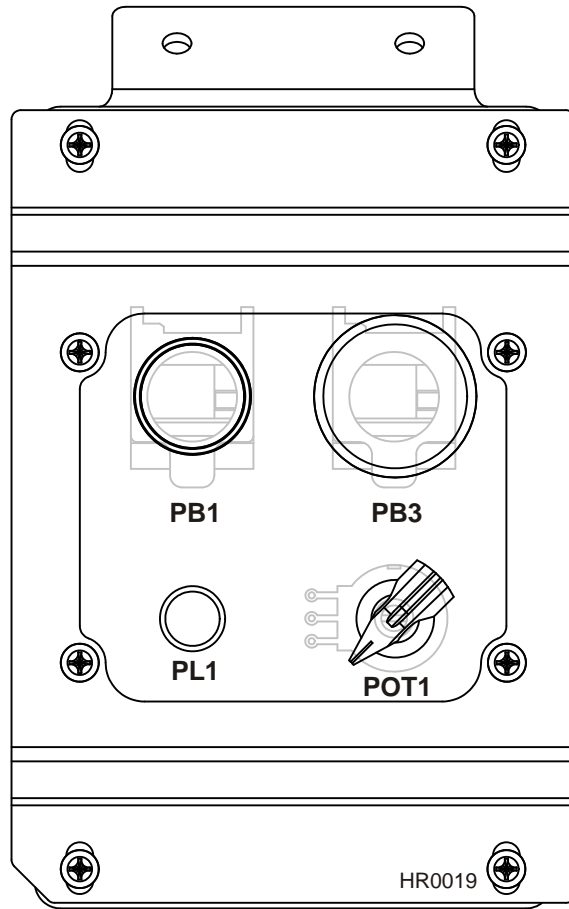
HR120G18
HR120G25
HR120D17



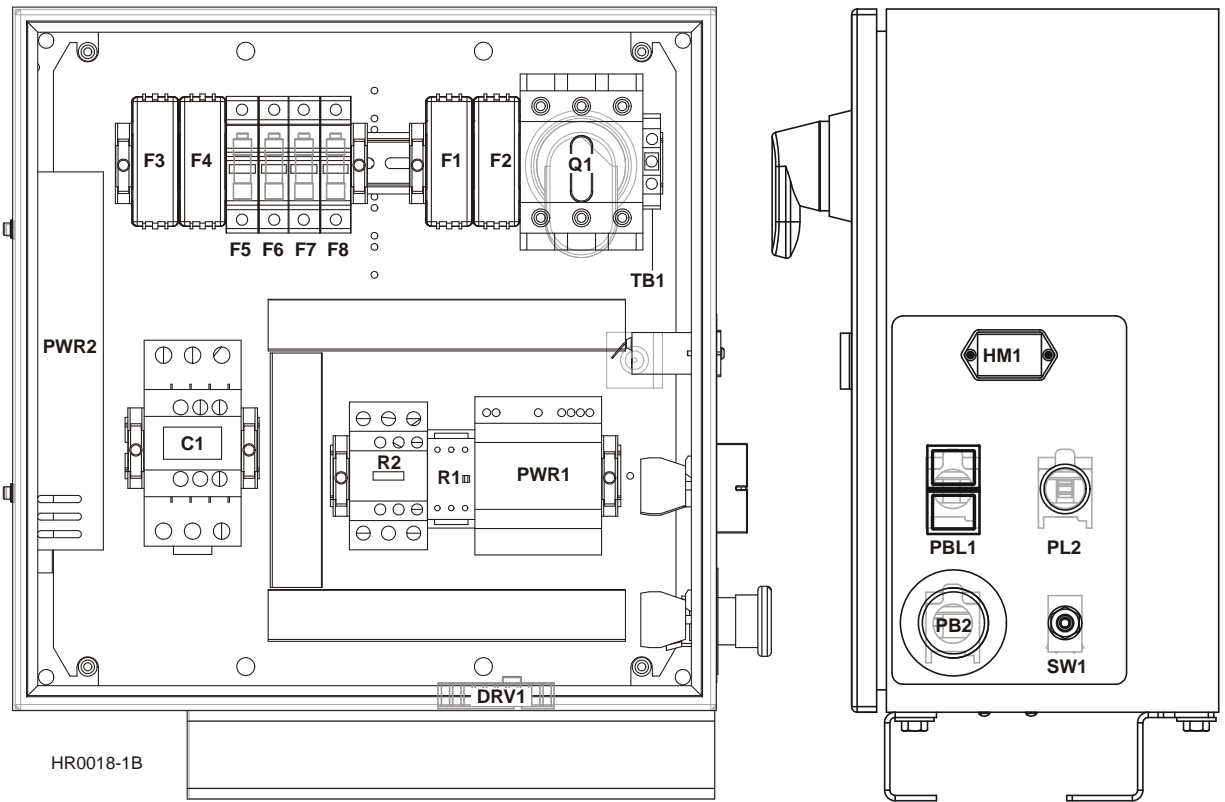
FEED CONTROL



UP/DOWN CONTROL

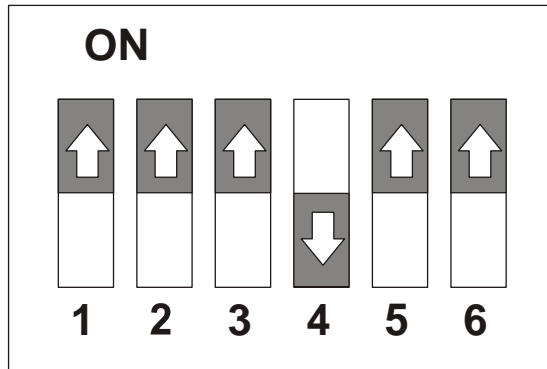


FEED CONTROL



MAIN CONTROL

1.3 Motor Driver Module DIP Switch Settings (HR120 Only)



HR0023

1.4 Component List

HR120G18

Component List		
Item	Wood-Mizer Part No.	Description
30A	024150-30	Fuse, 30A ATO Blade Green
CB1	E20431	Breaker, 30A Manual Reset Circuit
CR1, CR2	051335	Relay, ISO 12V Coil w/Diode
DRV1	057829-FR	Driver Kit, 25A DC Motor Field Replacement
F1	052370-150	Fuse Link, 150 Amp, 250 Volt
F2	052354	Fuseholder, ATO 16AWG w/20" Red Wires
	024150-4	Fuse, 4A ATO Pink
G1	028004	Battery, 600U 12 Volt DC
HM1	015401	Hour Meter, 12 Volt DC
KS1	---	Switch, Kohler Key
LS1	051992	Switch, Kohler Oil Pressure
M1	053578	Motor Assembly, HR120 Feed
M2	053577	Motor Assembly, HR120 Up/Down
MOD1	---	Module, Kohler Ignition (G15)
PB1	050152	Switch Head, Green Guarded
	025242	Switch Body, 22mm 1NO XB4
PB2, PB3	024945	Switch Head, Red Push Button 22mm XB4
	050527	Switch Body, 22mm 1NC 1NO ZB4
PL1	E20483	Light, Green 12V .187 Tabs
SOL1	038425	Solenoid, Kohler Starter
SW1	024200	Switch, DPDT 21A Reverse Mom. Spade Toggle
VR1	053572	Switch Assembly, HR120 Feed Rate Pot
	P06257	Knob, Speed Control
---	052293	Junction Block, 3-Position Wire Clamp (Qty. 2)

HR120G25

Component List		
Item	Wood-Mizer Part No.	Description
30A	024150-30	Fuse, 30A ATO Blade Green
CB1	E20431	Breaker, 30A Manual Reset Circuit
CR1, CR2	051335	Relay, ISO 12V Coil w/Diode
DRV1	057829-FR	Driver Kit, 25A DC Motor Field Replacement
F1	052370-150	Fuse Link, 150 Amp, 250 Volt
F2	052354	Fuseholder, ATO 16AWG w/20" Red Wires
	024150-4	Fuse, 4A ATO Pink
G1	028004	Battery, 600U 12 Volt DC
HM1	015401	Hour Meter, 12 Volt DC
KS1	---	Switch, Kohler Key
M1	053578	Motor Assembly, HR120 Feed
M2	053577	Motor Assembly, HR120 Up/Down
MOD1	---	Module, Kohler Ignition
PB1	050152	Switch Head, Green Guarded
	025242	Switch Body, 22mm 1NO XB4
PB2, PB3	024945	Switch Head, Red Push Button 22mm XB4
	050527	Switch Body, 22mm 1NC 1NO ZB4
PL1	E20483	Light, Green 12V .187 Tabs
SOL1	---	Solenoid, Kohler Starter
SW1	024200	Switch, DPDT 21A Reverse Mom. Spade Toggle
VR1	053572	Switch Assembly, HR120 Feed Rate Pot
	P06257	Knob, Speed Control
---	052293	Junction Block, 3-Position Wire Clamp (Qty. 2)

HR120D17

Component List		
Item	Wood-Mizer Part No.	Description
CB1	E20431	Breaker, 30A Manual Reset Circuit
CR1, CR2	051335	Relay, ISO 12V Coil w/Diode
DRV1	057829-FR	Driver Kit, 25A DC Motor Field Replacement
F1	052370-150	Fuse Link, 150 Amp, 250 Volt
F2	052354	Fuseholder, ATO 16AWG w/20" Red Wires
	024150-4	Fuse, 4A ATO Pink
G1	028004	Battery, 600U 12 Volt DC
HM1	015401	Hour Meter, 12 Volt DC
M1	053578	Motor Assembly, HR120 Feed
M2	053577	Motor Assembly, HR120 Up/Down
PB1	050152	Switch Head, Green Guarded
	025242	Switch Body, 22mm 1NO XB4
PB2, PB3	024945	Switch Head, Red Push Button 22mm XB4
	025161	Switch Body, 22mm 1NC ZB4
	050540	Contact, NC ZBE102
PL1	E20483	Light, Green 12V .187 Tabs
SW1	024200	Switch, DPDT 21A Reverse Mom. Spade Toggle
VR1	053572	Switch Assembly, HR120 Feed Rate Pot
	P06257	Knob, Speed Control
---	052293	Junction Block, 3-Position Wire Clamp (Qty. 2)

HR120EA10

Component List		
Item	Wood-Mizer Part No.	Description
C1	053604	Contact, 65A 3P 24VDC Coil Compact
DRV1	057829-1	Driver, 25A DC Motor w/Spade Terminals
F1 - F4	053586	Fuseholder, Cube 100A
	053587	Fuse, 80A Class J Cube
F5 - F6	052512	Fuse Block, 2P Class CC 30A Ind. DIN
	E22716	Fuse, 2A 600V Class CC
F7 - F8	052512	Fuseholder, 2P Class CC Finger Safe
	052721	Fuse, 3.5A 600V Class CC Delay
HM1	015401	Hour Meter, 12 Volt DC
M1	036214	Motor, 10HP Single Phase 60Hz
M2	053578	Motor Assembly, HR120 Feed
M3	053577	Motor Assembly, HR120 Up/Down
PB1	050152	Switch Head, Green Guarded
	025242	Switch Body, 22mm 1NO XB4
PB2, PB3	024945	Switch Head, Red Push Button 22mm XB4
	025161	Switch Body, 22mm 1NC ZB4
PBL1	051746	Switch Operator, 2 Button w/Pilot Red/Green
	052501	Boot, Clear Sealing ZB Switch
	025236-31	Switch Body, 22mm Green LED 1NO 24V ZB4
	050540	Contact, NC ZBE102
PL1	E20483	Light, Green 12V .187 Tabs
PL2	024970-3	Pilot Light, Green 24V 22mm LED XB4
POT1	053572	Switch Assembly, HR120 Feed Rate Pot
	P06257	Knob, Speed Control
PWR1	053591	Power Supply, 24VDC 60W
PWR2	053592	Power Supply, 12VDC 320W
Q1	050906-1	Disconnect, 100Amp 3P Non-Fused 6mm
	050907-1	Operator, Red/Yellow Pistol Grip 6mm
	050908-1	Shaft, Pistol Grip Disconnect 290mm x 6mm
R1	053590	Relay, Control 12VDC 2NO
R2	052465	Contact, 32A 3P 24VDC Coil
SW1	024200	Switch, DPDT 21A Reverse Mom. Spade Toggle
TB1	053585	Terminal Block, Grounding


APPENDIX B ELECTRICAL INFORMATION

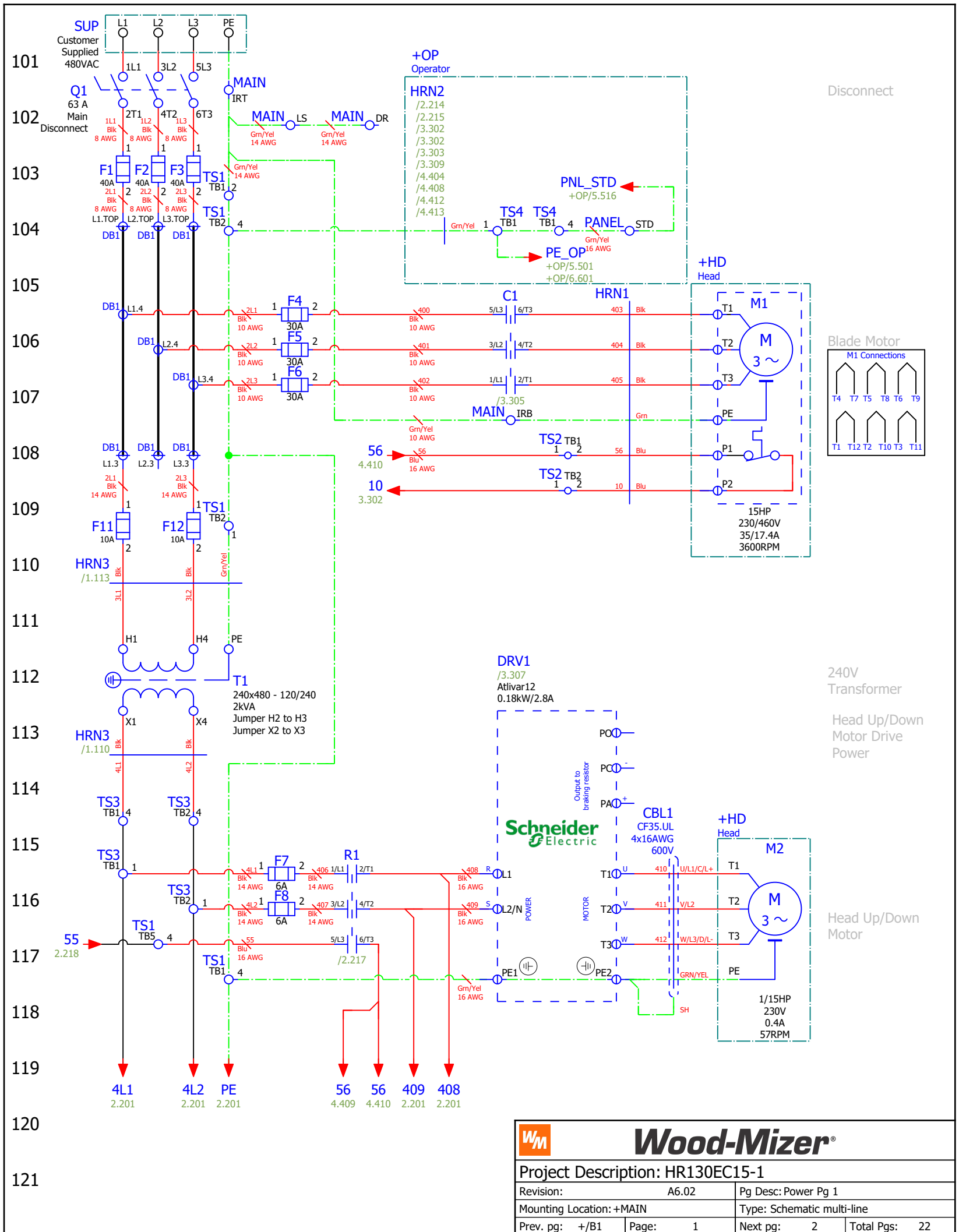
HR130EC15-1

Rev. A6.05+

Revision History

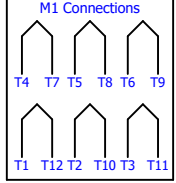
Date	Revision	Revision Record	Drawn By	Checked By
9/1/10	A1.01	Changed Power Supply Fuses For CSA	JRF	SDC
3/10/11	A2.00	Added Top Level Machines w/Setworks	JRF	SDC
11/21/13	A3.00	Setworks Software V2.0	JRF	SDC
5/28/14	A4.00	Changed Scheider Electric Terminal Blocks To Wago	JRF	SDC
9/3/15	A4.03	Added Connector To Feed Motor	JRF	JEC
9/28/15	A5.00	Change To High Efficiency Blade Motor	JRF	SDC
6/24/16	A6.00	Setworks Software V3.0	JRF	SDC
10/31/16	A6.01	Added Terminal Block For PLC Output V+ Connection	JRF	SDC
01/20/21	A6.05	Setworks HMI Replaced	JRF	SDC

 Wood-Mizer®	
Project Description: HR130EC15-1	
Revision:	A6.02
Mounting Location: +	Pg Desc: Revision History
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Page: B1	Next pg: +MAIN/1
	Total Pgs: 22



Disconnect

Blade Motor

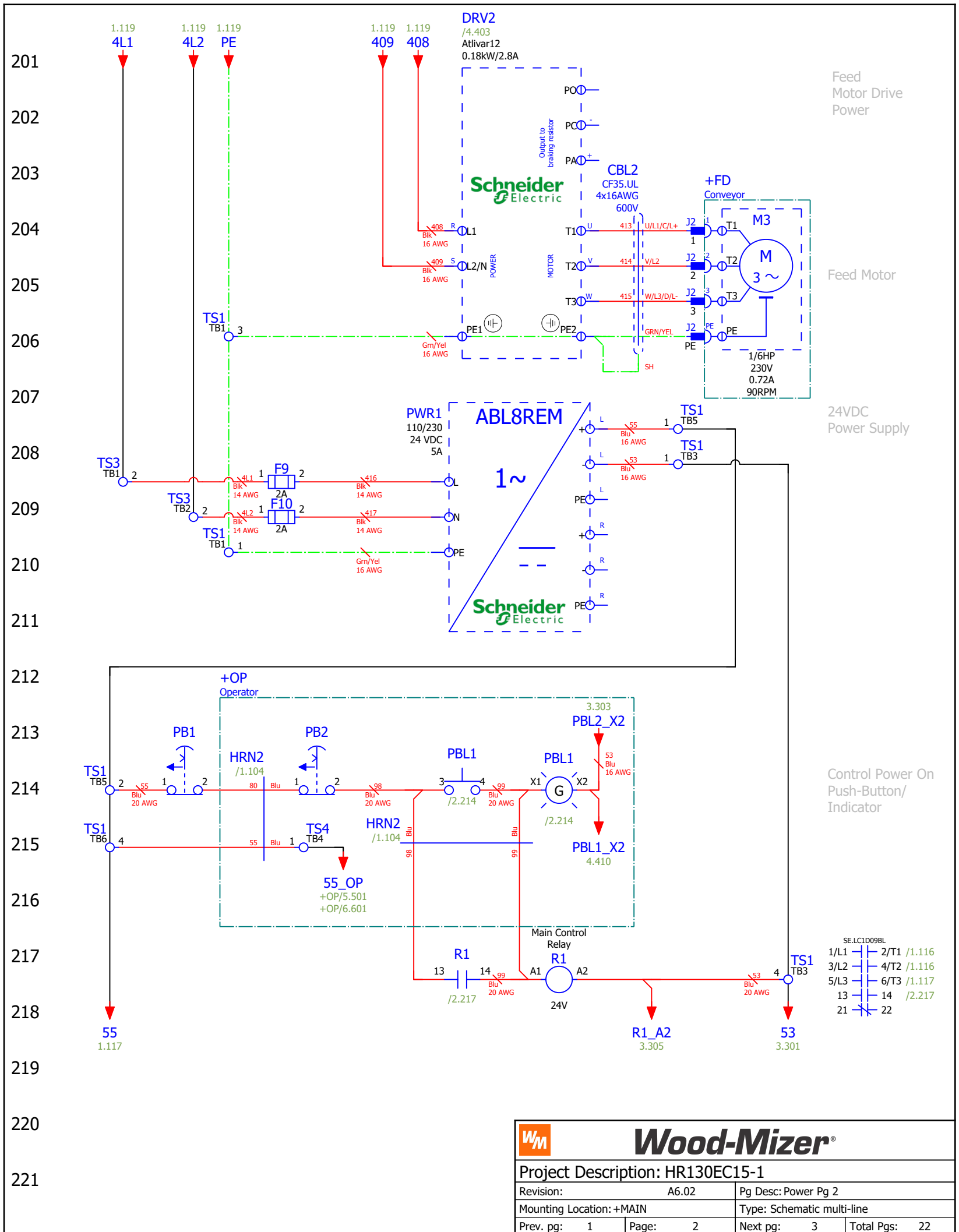


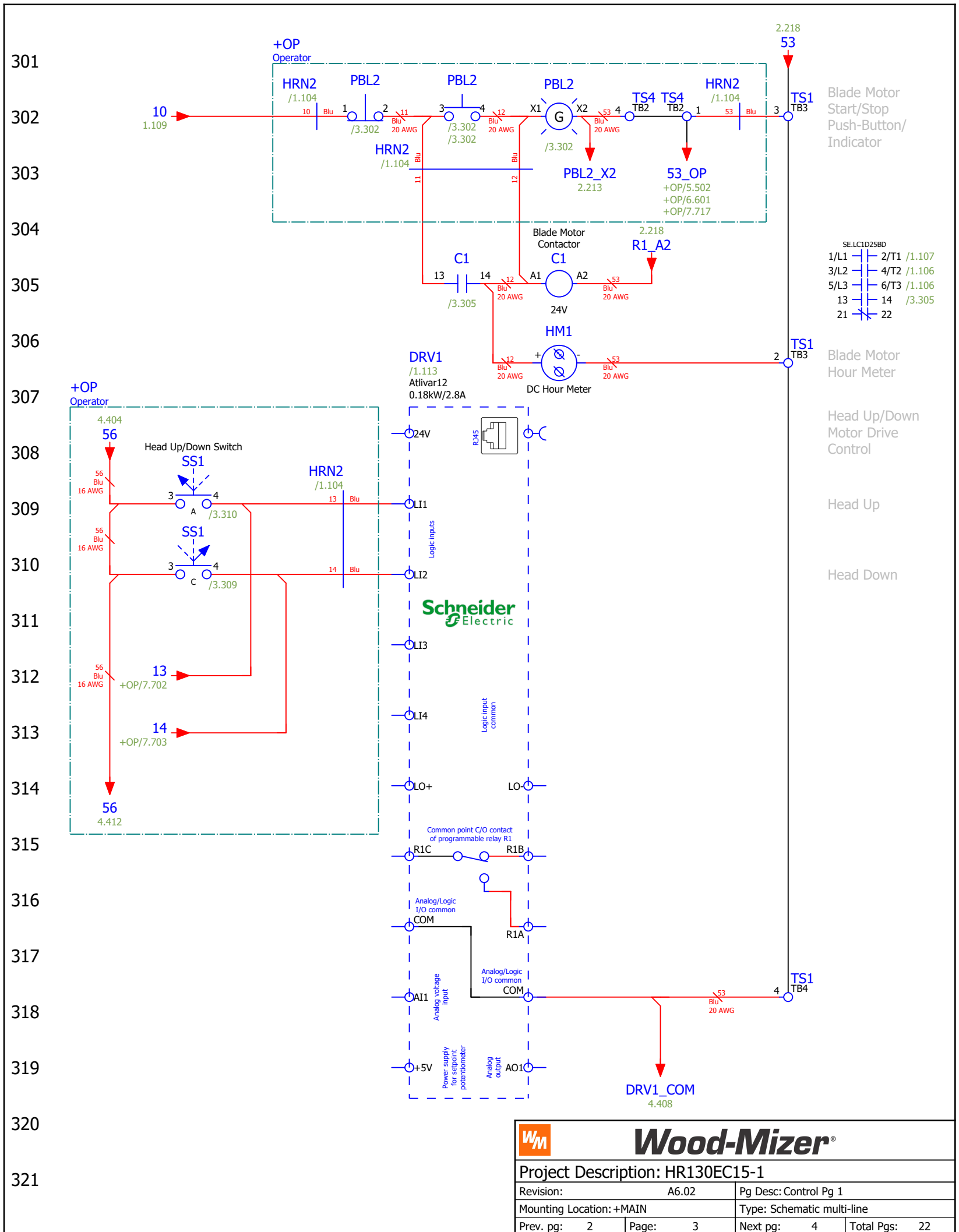
240V Transformer

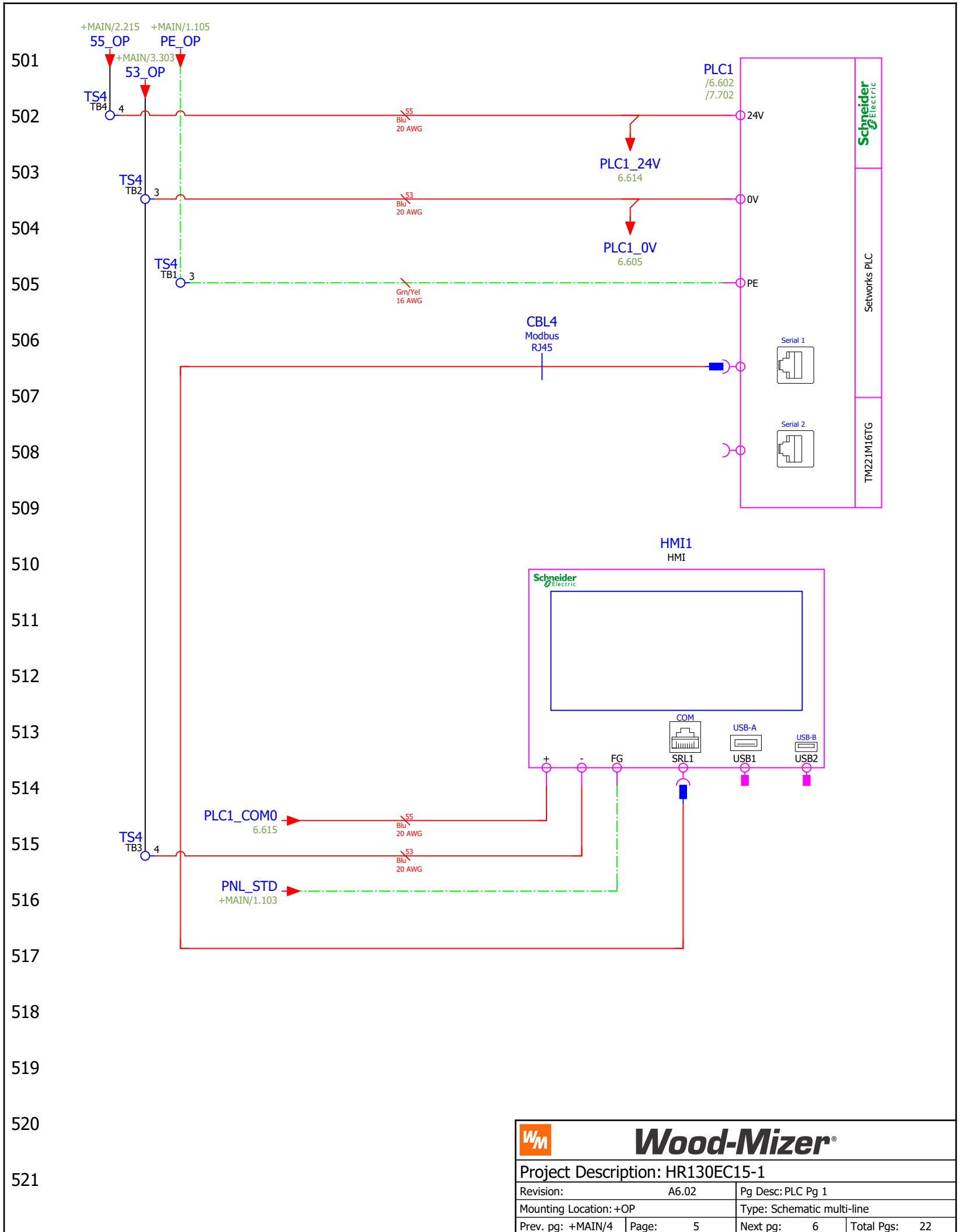
Head Up/Down Motor Drive Power


Head Up/Down Motor

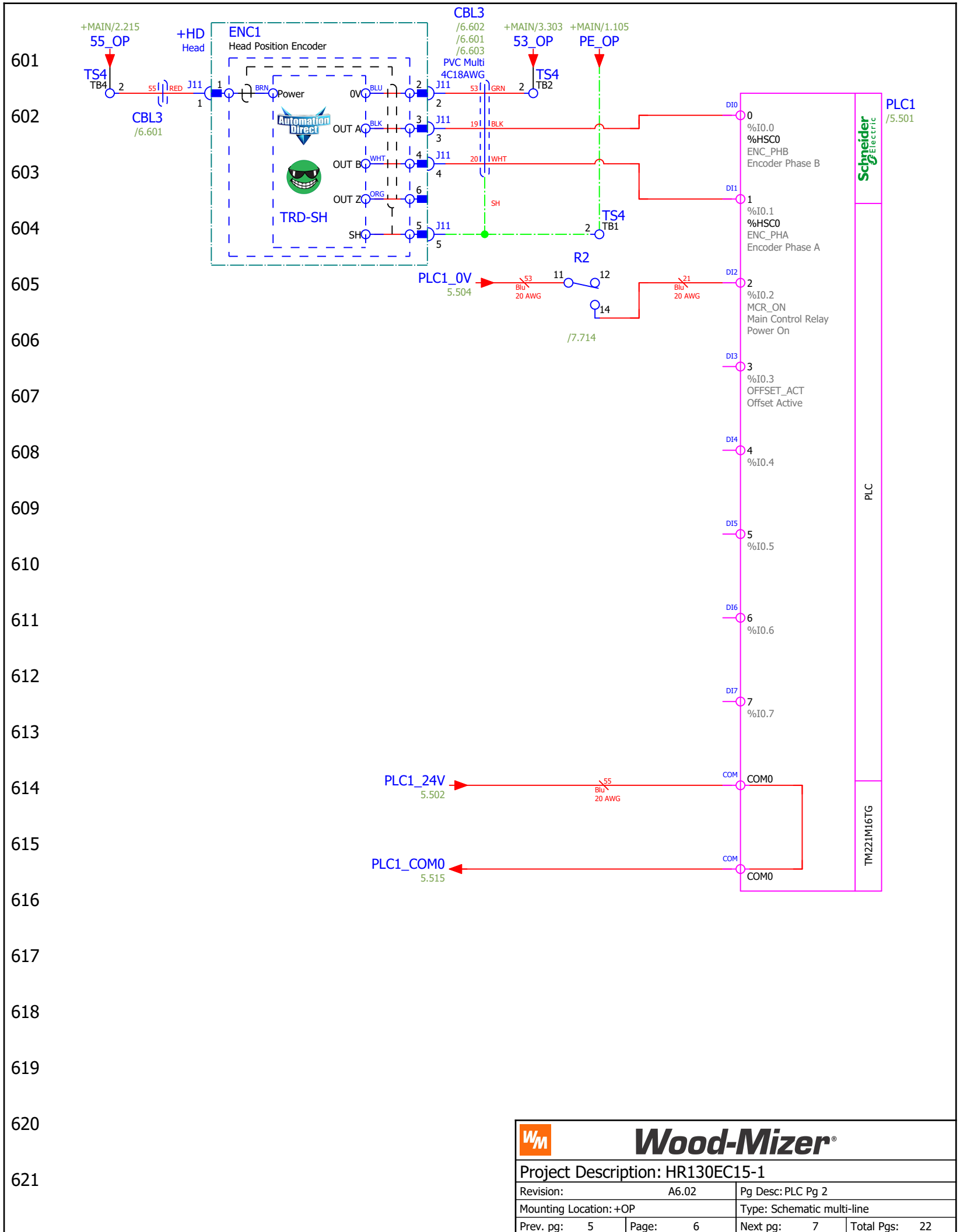
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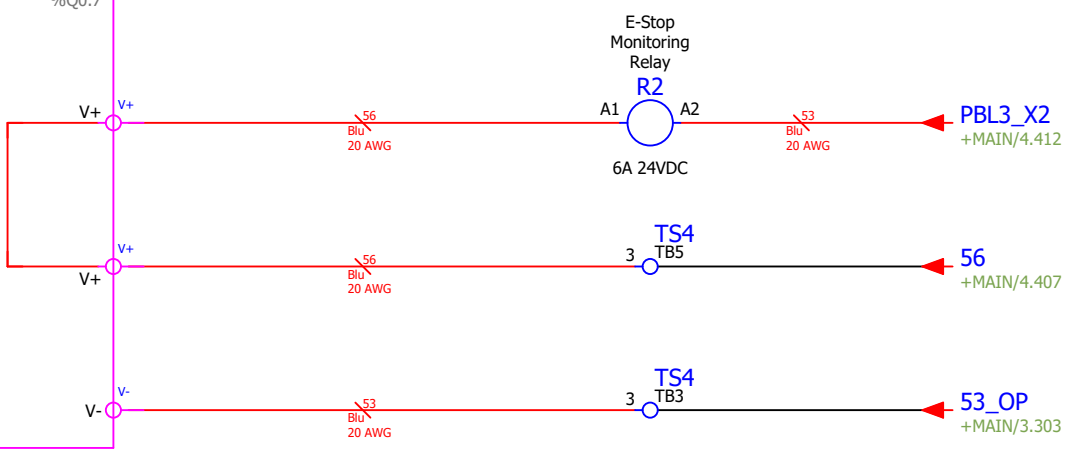
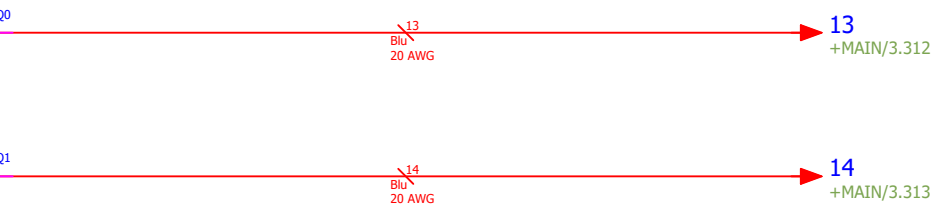
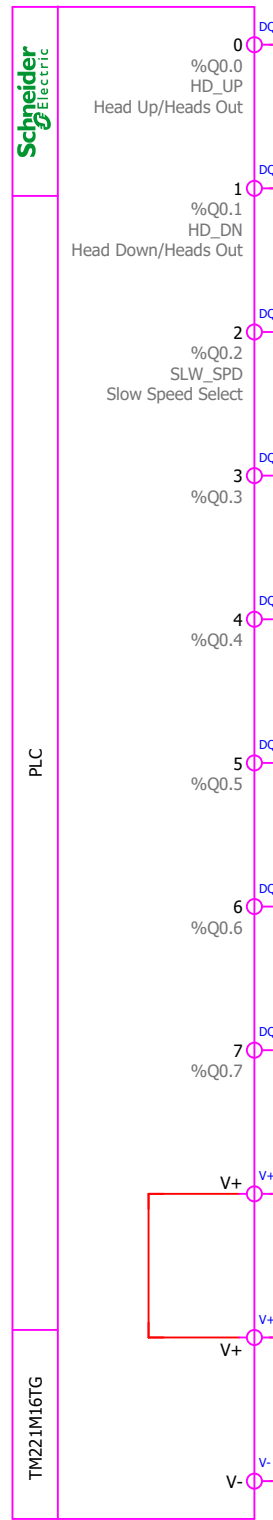


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Project Description: HR130EC15-1			
Revision:	A6.02	Pg Desc: PLC Pg 3	
Mounting Location:	+OP	Type: Schematic multi-line	
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		Total Pgs: 22	

Device Tag/Parts List

WM_PARTS_LIST-Manual


Device tag	Function	Wood-Mizer Part Number	Wood-Mizer Description	Qty.	X-Ref
C1	Blade Motor Contactor	051322	Contact, 25A 3P 24VDC Coil	1	+MAIN/3.305
DB1	Distribution Block	069701	Distribution Block, 3P 1 to 4	1	+MAIN/1.104
DRV1	Head Up/Down Motor Drive Power	069799	AC Drive Assy, HR130 Up/Down w/Software	1	+MAIN/1.113
DRV2	Feed Motor Drive Power	069800	Drive Assy, HR130 Feed w/Software	1	+MAIN/2.201
ENC1	Head Position Encoder	069840	Encoder Assy, HR130 Setworks	1	+OP/6.601
F1	Main L1 Fuse	053717	Fuseholder, 60A Cube	1	+MAIN/1.103
F1	=	069702	Fuse, 40A Class J Cube	1	+MAIN/1.103
F2	Main L2 Fuse	053717	Fuseholder, 60A Cube	1	+MAIN/1.103
F2	=	069702	Fuse, 40A Class J Cube	1	+MAIN/1.103
F3	Main L3 Fuse	053717	Fuseholder, 60A Cube	1	+MAIN/1.103
F3	=	069702	Fuse, 40A Class J Cube	1	+MAIN/1.103
F4	Blade Motor L1 Fuse	053736	Fuseholder, Cube 30A	1	+MAIN/1.106
F4	=	053737	Fuse, 30A Class J Cube	1	+MAIN/1.106
F5	Blade Motor L2 Fuse	053736	Fuseholder, Cube 30A	1	+MAIN/1.106
F5	=	053737	Fuse, 30A Class J Cube	1	+MAIN/1.106
F6	Blade Motor L3 Fuse	053736	Fuseholder, Cube 30A	1	+MAIN/1.107
F6	=	053737	Fuse, 30A Class J Cube	1	+MAIN/1.107
F7	Up/Down Motor Drive L1 Fuse	052512	Fuse Holder, 2P Class CC Screw Clamp	1	+MAIN/1.116
F7	=	052456	Fuse, 6A 600V Calss CC Delay	1	+MAIN/1.116
F8	Up/Down Motor Drive L2 Fuse	052456	Fuse, 6A 600V Calss CC Delay	1	+MAIN/1.116
F9	Power Supply L1 Fuse	052512	Fuse Holder, 2P Class CC Screw Clamp	1	+MAIN/2.209
F9	=	E22716	Fuse, 2A 600V Class CC	1	+MAIN/2.209
F10	Power Supply N Fuse	E22716	Fuse, 2A 600V Class CC	1	+MAIN/2.209
F11	Transformer H1 Fuse	052512	Fuse Holder, 2P Class CC Screw Clamp	1	+MAIN/1.109
F11	=	051957	Fuse, 10A 600V Class CC Delay	1	+MAIN/1.109
F12	Transformer H4 Fuse	051957	Fuse, 10A 600V Class CC Delay	1	+MAIN/1.109
HM1	Blade Motor Hour Meter	015401	Digital Meter, Hour Rect Mount w/Gasket	1	+MAIN/3.306
HMI1	HMI	112566.3	HMI Assy, PLC Setworks	1	+OP/5.510
M1	Blade Motor	130000	Motor, 15HP 3530RPM Marathon Premium Eff	1	+MAIN/1.105
M2	Head Up/Down Motor	025696	Motor, 1/15HP 57RPM 230V 3PH 30:1 Gear	1	+MAIN/1.116
M3	Feed Motor	073702	Motor, Leeson 0.167HP 230V 90RPM	1	+MAIN/2.204
PB1	Main E-Stop Push-Button	025161	Switch Body, 1NC 22mm ZB4	1	+MAIN/2.214
PB1	=	024945	Switch, PB E-Stop Maintnd Red 22mm ZB4	1	+MAIN/2.214
PB1	=	050992	Legend, E-Stop, Round Yellow	1	+MAIN/2.214
PB2	Operator E-Stop Push-Button	025161	Switch Body, 1NC 22mm ZB4	1	+MAIN/2.214
PB2	=	024945	Switch, PB E-Stop Maintnd Red 22mm ZB4	1	+MAIN/2.214
PB2	=	050992	Legend, E-Stop, Round Yellow	1	+MAIN/2.214
PBL1	Control Power On Push-Button	024974-3	Switch, PB Grn 22mm 1NO/1NC LED 24V XB4	1	+MAIN/2.214
PBL2	Blade Motor Start/Stop Push-Button	025236-31	Switch Body, 22mm Grn LED 1 NO 24V ZB4	1	+MAIN/3.302
PBL2	=	051746	Switch Operator, 2 Button w/Pilot Red/Gr	1	+MAIN/3.302
PBL2	=	050540	Contact, NC ZBE102	1	+MAIN/3.302
PBL2	=	052501	Boot, Clear Sealing ZB Sw	1	+MAIN/3.302
PBL3	Feed Motor Start/Stop Push-Button	025236-31	Switch Body, 22mm Grn LED 1 NO 24V ZB4	1	+MAIN/4.406
PBL3	=	051746	Switch Operator, 2 Button w/Pilot Red/Gr	1	+MAIN/4.406
PBL3	=	050540	Contact, NC ZBE102	1	+MAIN/4.406
PBL3	=	052501	Boot, Clear Sealing ZB Sw	1	+MAIN/4.406
PLC1	Setworks PLC	069849-3	PLC Ass, PLC Setworks	1	+OP/5.501
POT1	Feed Motor Speed Potentiometer	025200	Pot Assy, 4-20mA 24V W/conn	1	+MAIN/4.413
POT1	=	033476	O-Ring, 7/32 IN #009	2	+MAIN/4.413
POT1	=	033478	Knob, 1/4 ID Fluted Round Plastic	1	+MAIN/4.413
PWR1	24VDC Power Supply	069703	Power Supply, 24VDC 5A 110/230	1	+MAIN/2.207
Q1	Main Disconnect	050881-1	Disconnect, 63A 600V 3P 6mm Shaft	1	+MAIN/1.102
Q1	=	050908-1	Shaft, 290mm Pistol Grip Disconnect	1	+MAIN/1.102
Q1	=	050907-1	Handle, Disconnect Red/Yel Pistol Grip	1	+MAIN/1.102
R1	Main Control Relay	024890	Contact, 9A 3P 24VDC Coil	1	+MAIN/2.217
R2	E-Stop Monitoring Relay	069883	Relay, 6A 24VDC w/ Cage Clamp Socket	1	+OP/7.714
SS1	Head Up/Down Switch	050545	Base, 2NO Contact	1	+MAIN/3.309

		Wood-Mizer®	
Project Description: HR130EC15-1			
Revision:	A6.02	Pg Desc: Parts list	
Mounting Location: +Docs		Type: Parts list	
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Next pg:	C2	Total Pgs:	22

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +MAIN-TS1								
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	•				/1.03
TB2		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•		068105		/1.04
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 2 Position Jumper Between TB3-4	/2.08
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		/3.18
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 2 Position Jumper Between TB5-6	/2.08
TB6		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		/2.15


		Wood-Mizer®	
Project Description: HR130EC15-1			
Revision:	A6.02	Pg Desc: Terminal line-up diagram	
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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram


Terminal strip +MAIN-TS2

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068100	Terminal Block, 2Pos 1.5mm Clamp	•				/1.08
TB2		068100	Terminal Block, 2Pos 1.5mm Clamp	•		068102		/1.09

		Wood-Mizer®	
Project Description: HR130EC15-1			
Revision:		A6.02	Pg Desc: Terminal line-up diagram
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Terminal line-up diagram

Terminal strip +MAIN-TS3								
Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•				/1.15
TB2		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		/1.15


 Wood-Mizer®	
Project Description: HR130EC15-1	
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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +OP-TS4


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		+MAIN/1.04
TB2		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper is Trimmed Down To 2 Position Jumper Between TB2-3	+MAIN/3.02
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●		068105		/7.17
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	⋮		068105		+MAIN/2.15
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	⋮		068105		+MAIN/4.07

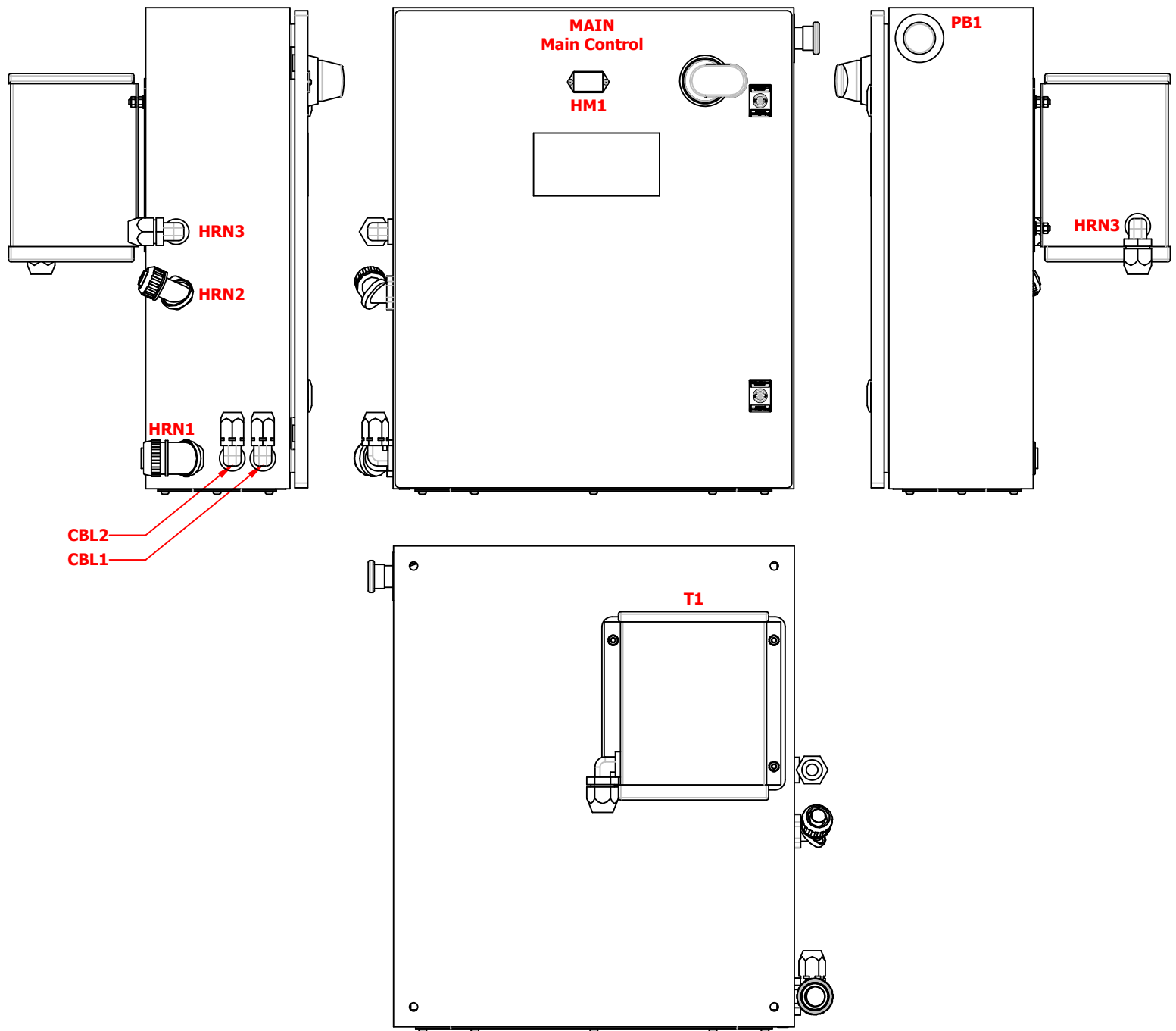
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Revision:	A6.02	Pg Desc: Terminal line-up diagram	
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Cable Overview

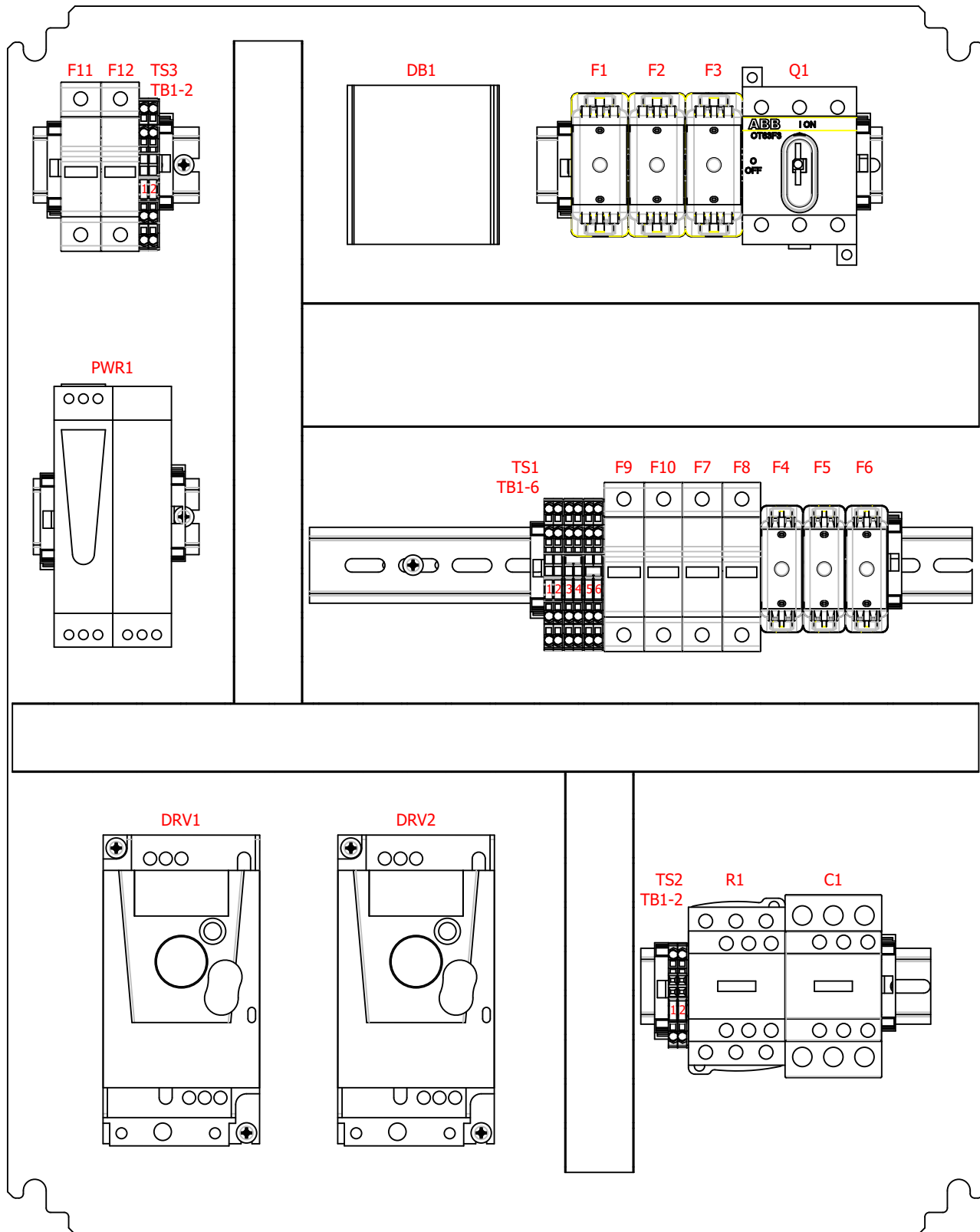
Wood-Mizer_Cable_Overview

Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
CBL1	053743	Cable Assy, HR130 Up/Down Motor	+MAIN/1.115
CBL2	073703	Cable Assy, HR130 Feed Motor Connector	+MAIN/2.204
CBL3	069839	Cable Assy, HR130 Encoder	+OP/6.601
CBL4	078394	Cable, Modbus XBT RJ45 2.5m	+OP/5.506
HRN1	053742	Harness Assy, HR130EC15-1 Blade Motor	+MAIN/1.105
HRN2	053745	Harness Assy, HR130 Operator	+MAIN/1.104
HRN3	N/A	Part of Control Assembly	+MAIN/1.110

 Wood-Mizer®	
Project Description: HR130EC15-1	
Revision: A6.02	Pg Desc: Cable overview
Mounting Location: +Docs	Type: Cable overview
Prev. pg: D4	Page: E1
Next pg: F1	Total Pgs: 22



 Wood-Mizer®				
Project Description: HR130EC15-1				
Revision:	A6.02	Pg Desc: Main Control Layout		
Mounting Location:	+Docs	Type: Panel layout		
Prev. pg:	E1	Page: F1	Next pg: F2	Total Pgs: 22



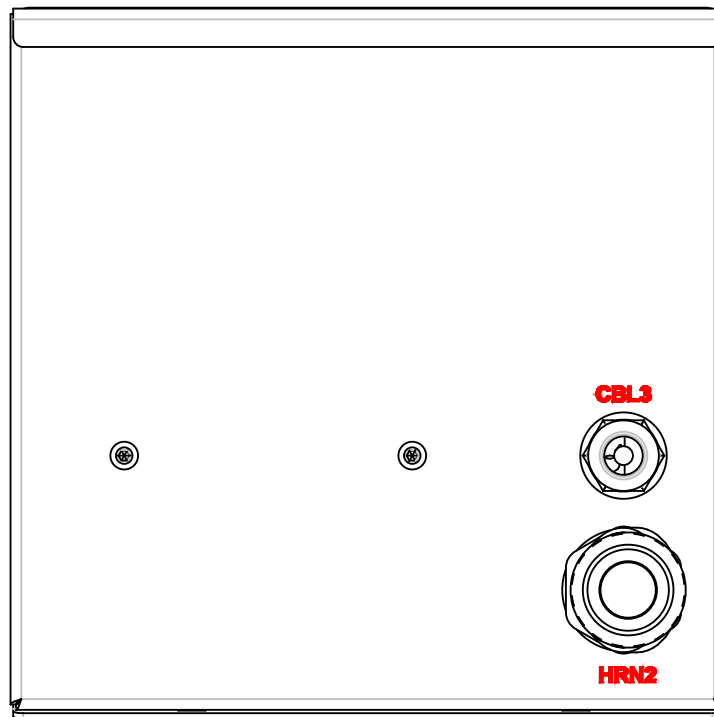
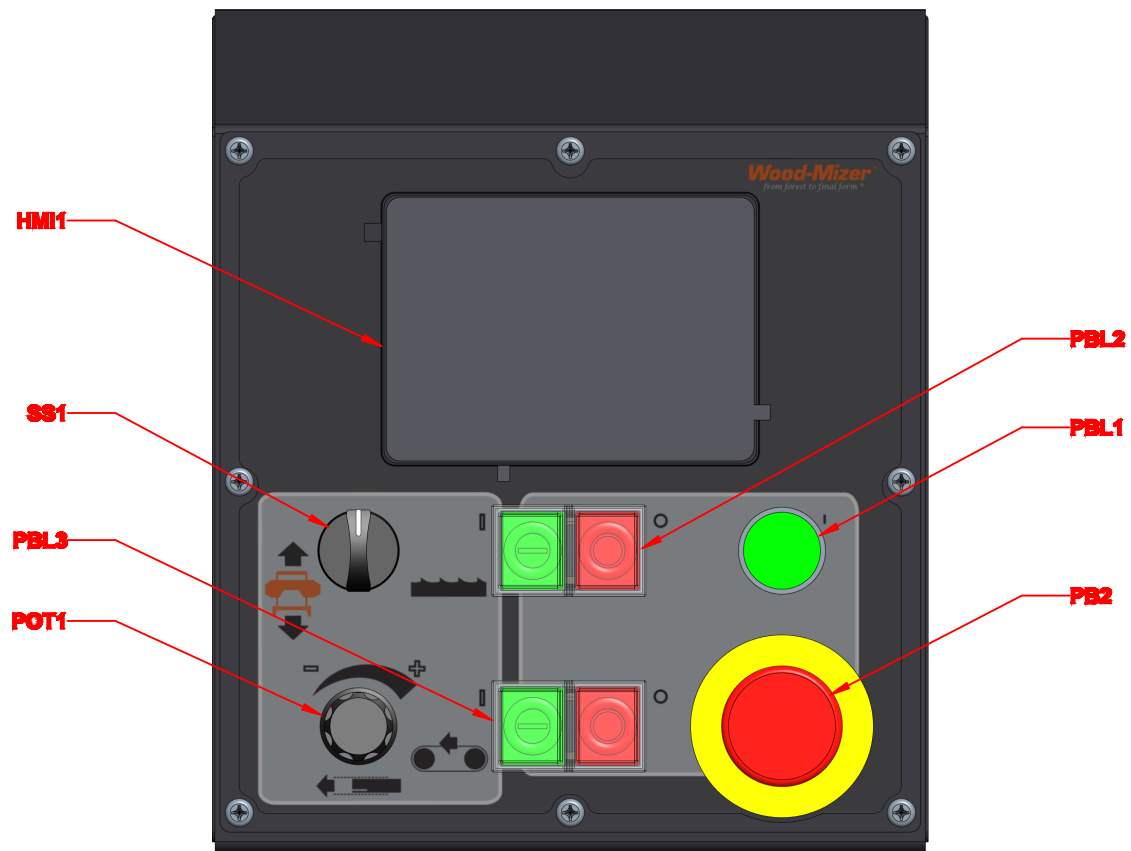
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Project Description: HR130EC15-1

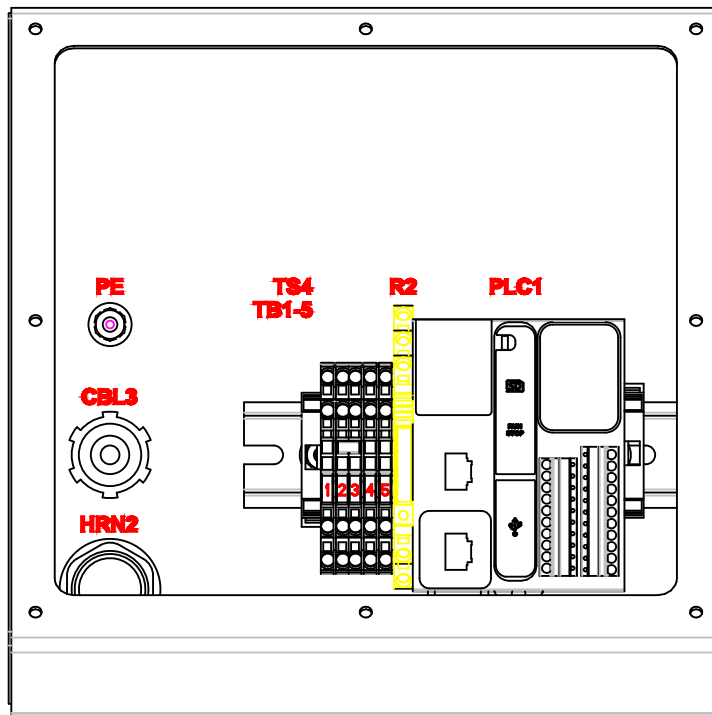
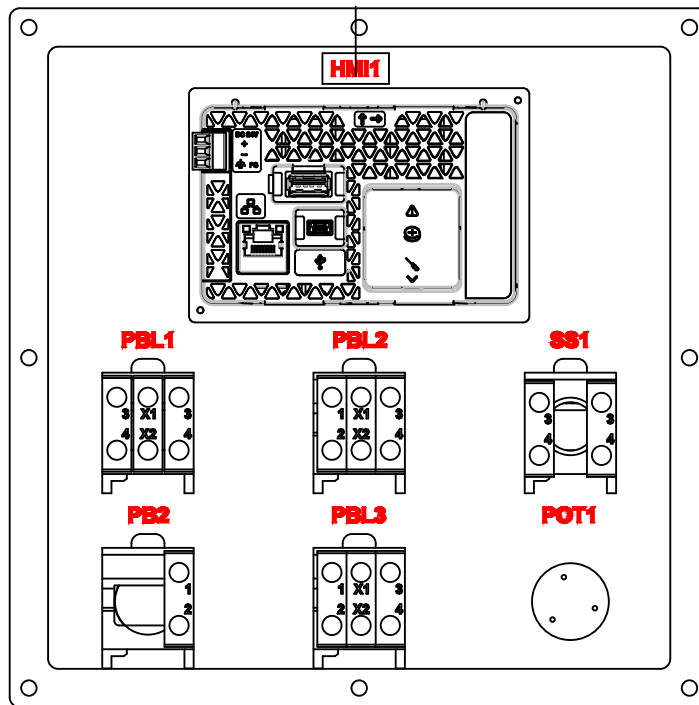
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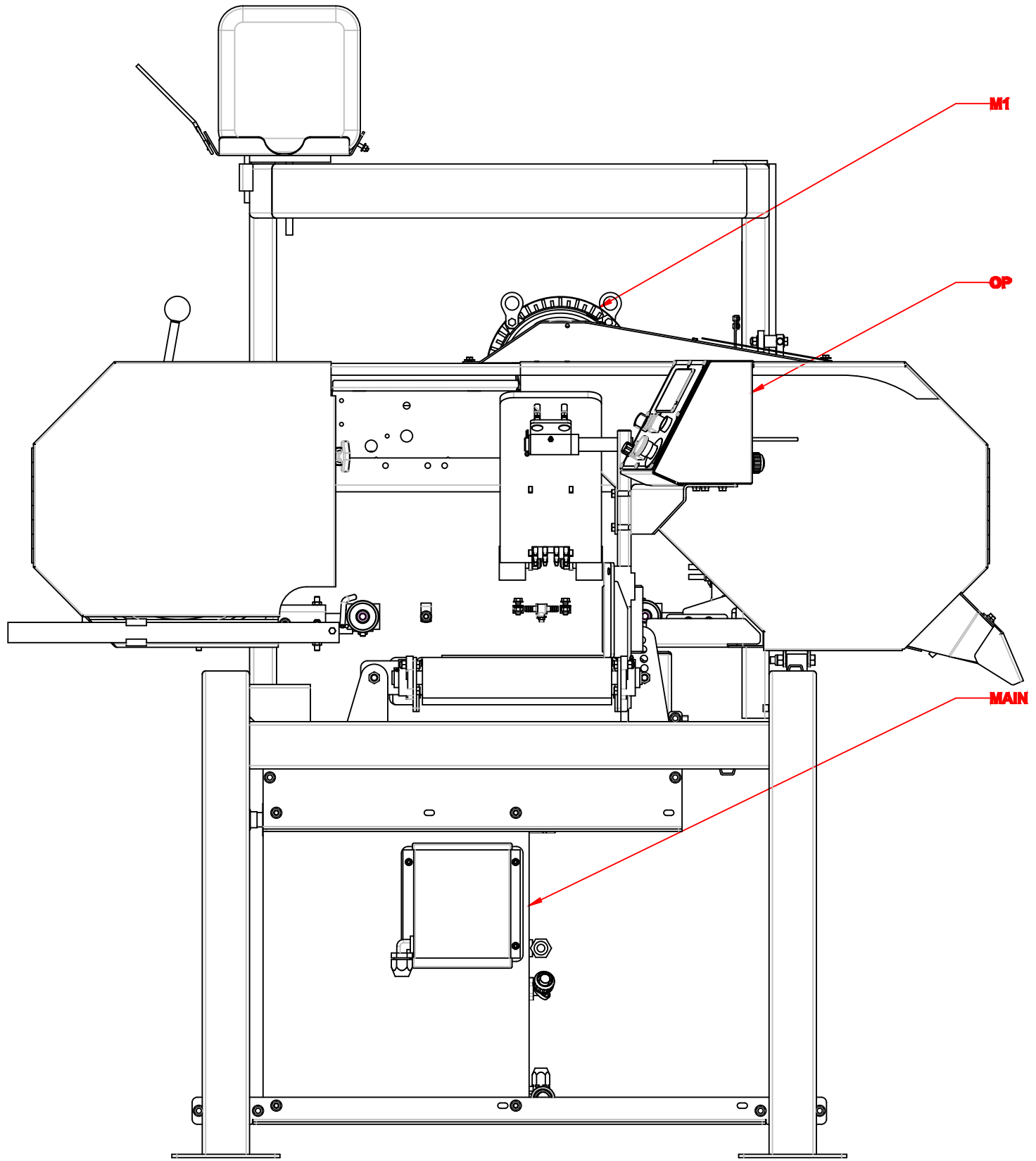
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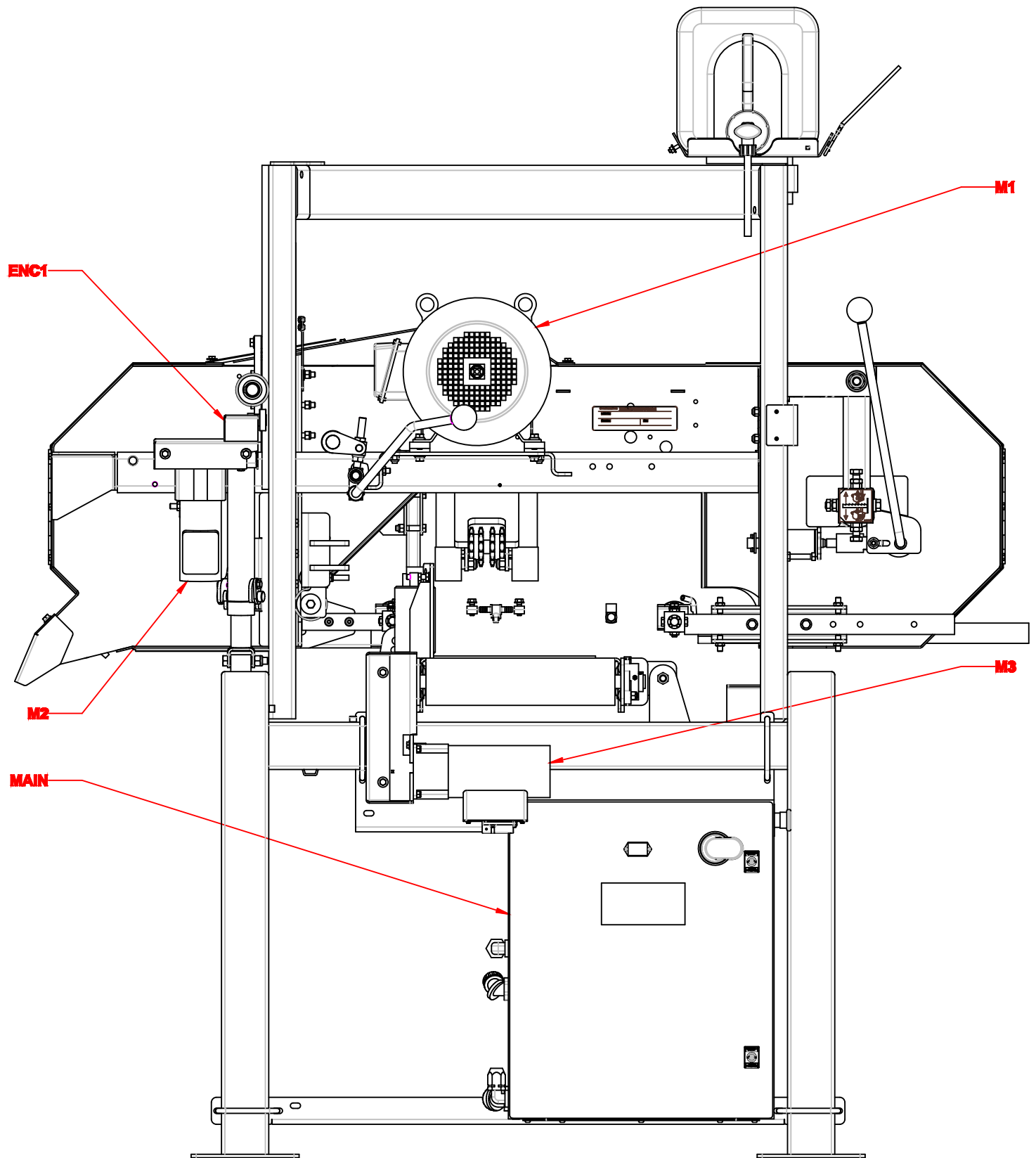
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Project Description: HR130EC15-1	
Revision: A6.02	Pg Desc: Operator Layout Internal
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Wood-Mizer®

Project Description: HR130EC15-1

Revision:	A6.02	Pg Desc:	Machine Front
Mounting Location:	+Docs	Type:	Panel layout
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 Wood-Mizer®			
Project Description: HR130EC15-1			
Revision:	A6.02	Pg Desc: Machine Layout Back	
Mounting Location:	+Docs	Type: Panel layout	
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APPENDIX C ELECTRICAL INFORMATION

HR130EB15-1

Rev. A6.05+


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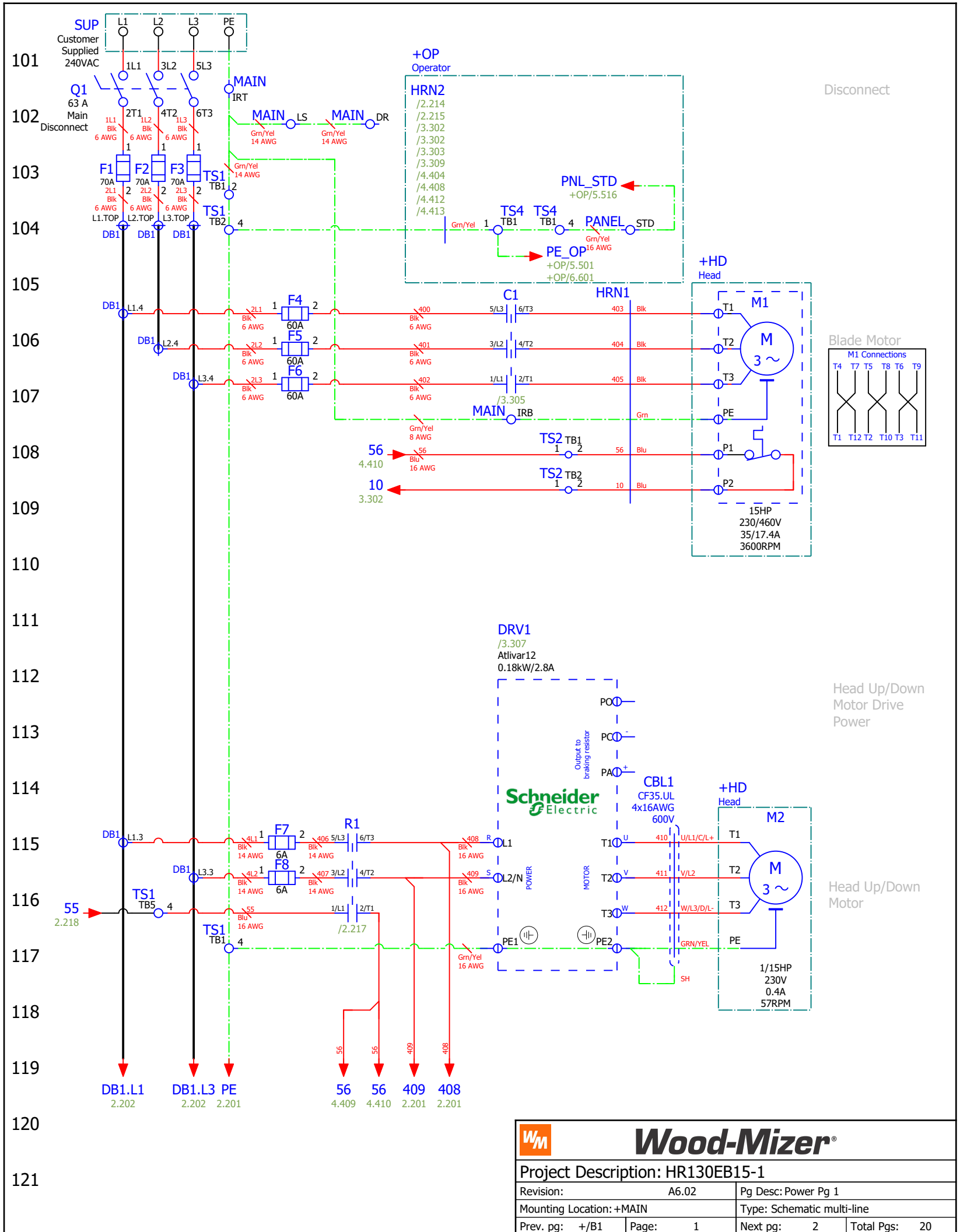
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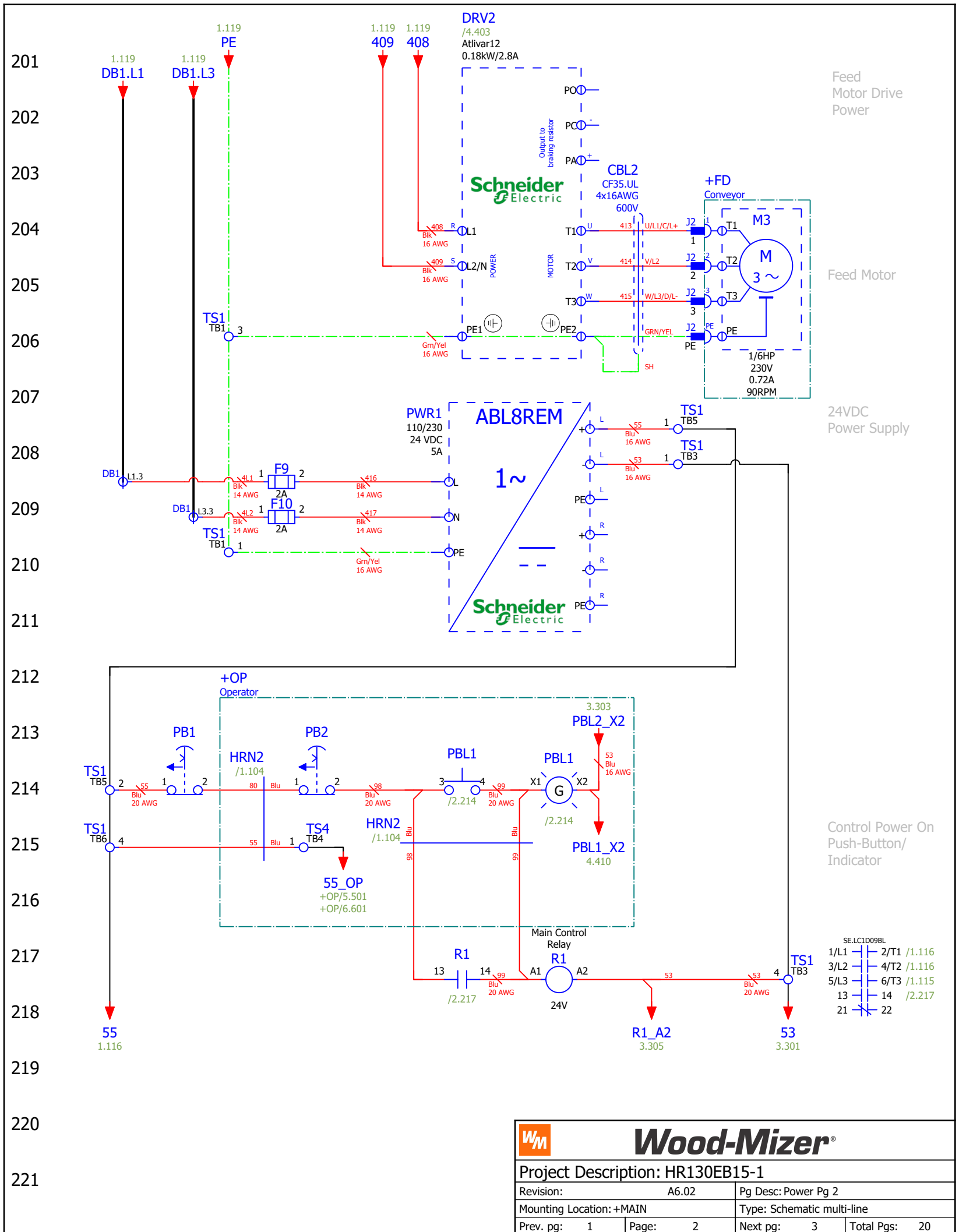
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/A1	Table of contents	Table of contents	1/21/2021	JRF
/B1	Overview	Revision History	1/20/2021	JRF
+MAIN/1	Schematic multi-line	Power Pg 1	1/20/2021	JRF
+MAIN/2	Schematic multi-line	Power Pg 2	1/19/2021	JRF
+MAIN/3	Schematic multi-line	Control Pg 1	1/19/2021	JRF
+MAIN/4	Schematic multi-line	Control Pg 2	1/19/2021	JRF
+OP/5	Schematic multi-line	PLC Pg 1	1/20/2021	JRF
+OP/6	Schematic multi-line	PLC Pg 2	1/20/2021	JRF
+OP/7	Schematic multi-line	PLC Pg 3	1/19/2021	JRF
+Docs/C1	Parts list	Parts list	1/20/2021	JRF
+Docs/D1	Terminal line-up diagram	Terminal line-up diagram	1/19/2021	JRF
+Docs/D2	Terminal line-up diagram	Terminal line-up diagram	1/19/2021	JRF
+Docs/D3	Terminal line-up diagram	Terminal line-up diagram	1/19/2021	JRF
+Docs/E1	Cable overview	Cable overview	1/19/2021	JRF
+Docs/F1	Panel layout	Main Control Layout	1/19/2021	JRF
+Docs/F2	Panel layout	Main Control Insert Layout	1/19/2021	JRF
+Docs/F3	Panel layout	Operator Layout	1/20/2021	JRF
+Docs/F4	Panel layout	Operator Layout Internal	1/20/2021	JRF
+Docs/F5	Panel layout	Machine Layout Front	1/20/2021	JRF
+Docs/F6	Panel layout	Machine Layout Back	1/20/2021	JRF

Revision History

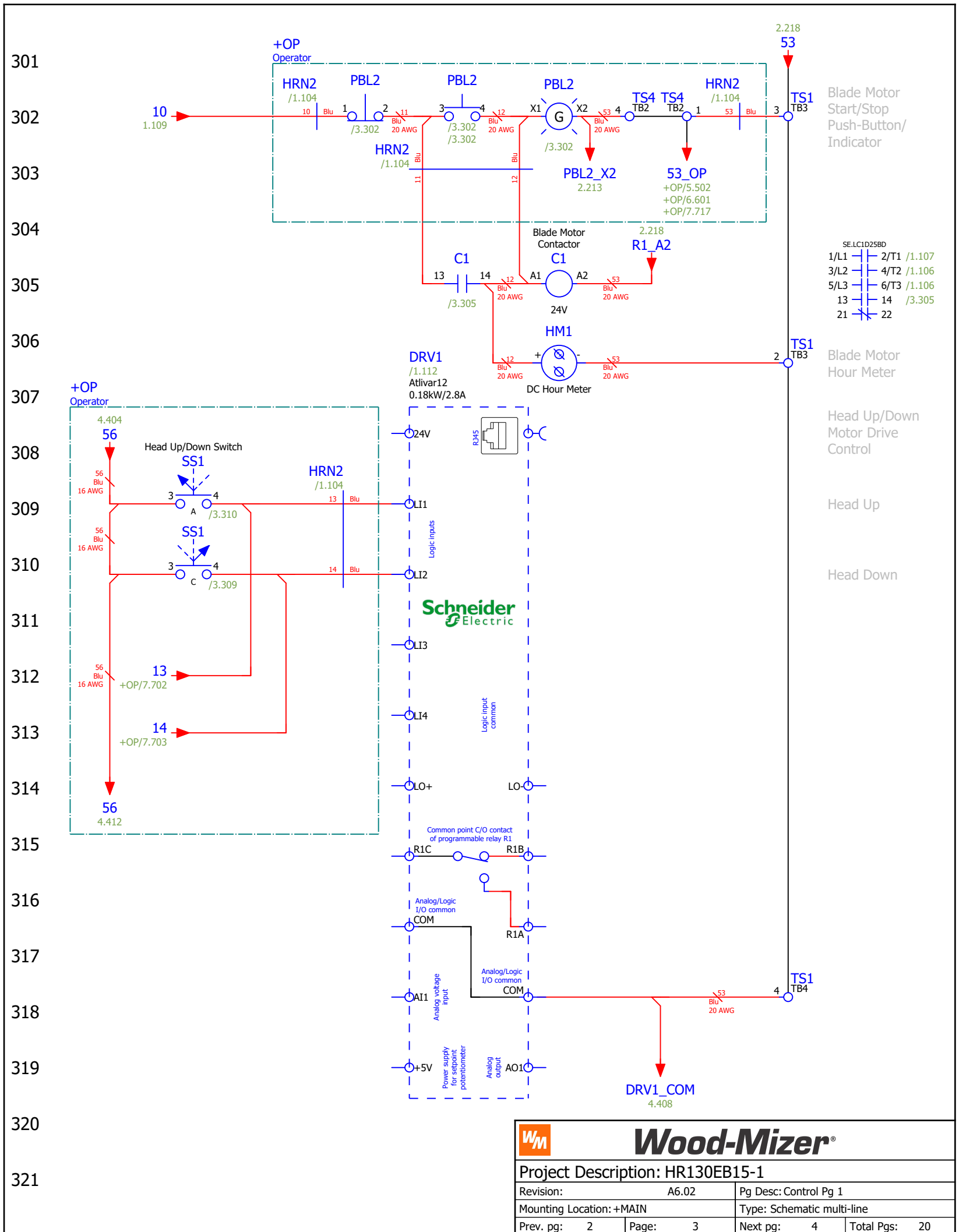
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9/1/10	A1.01	Changed Power Supply Fuses For CSA	JRF	SDC
3/10/11	A2.00	Added Top Level Machines w/Setworks	JRF	SDC
11/21/13	A3.00	Setworks Software V2.0	JRF	SDC
5/28/14	A4.00	Changed Scheider Electric Terminal Blocks To Wago	JRF	SDC
9/3/15	A4.03	Added Connector To Feed Motor	JRF	JEC
9/28/15	A5.00	Change To High Efficiency Blade Motor	JRF	SDC
6/24/16	A6.00	Setworks Software V3.0	JRF	SDC
10/31/16	A6.01	Added Terminal Block For PLC Output V+ Connection	JRF	SDC
01/20/21	A6.05	Setworks HMI Replaced	JRF	SDC

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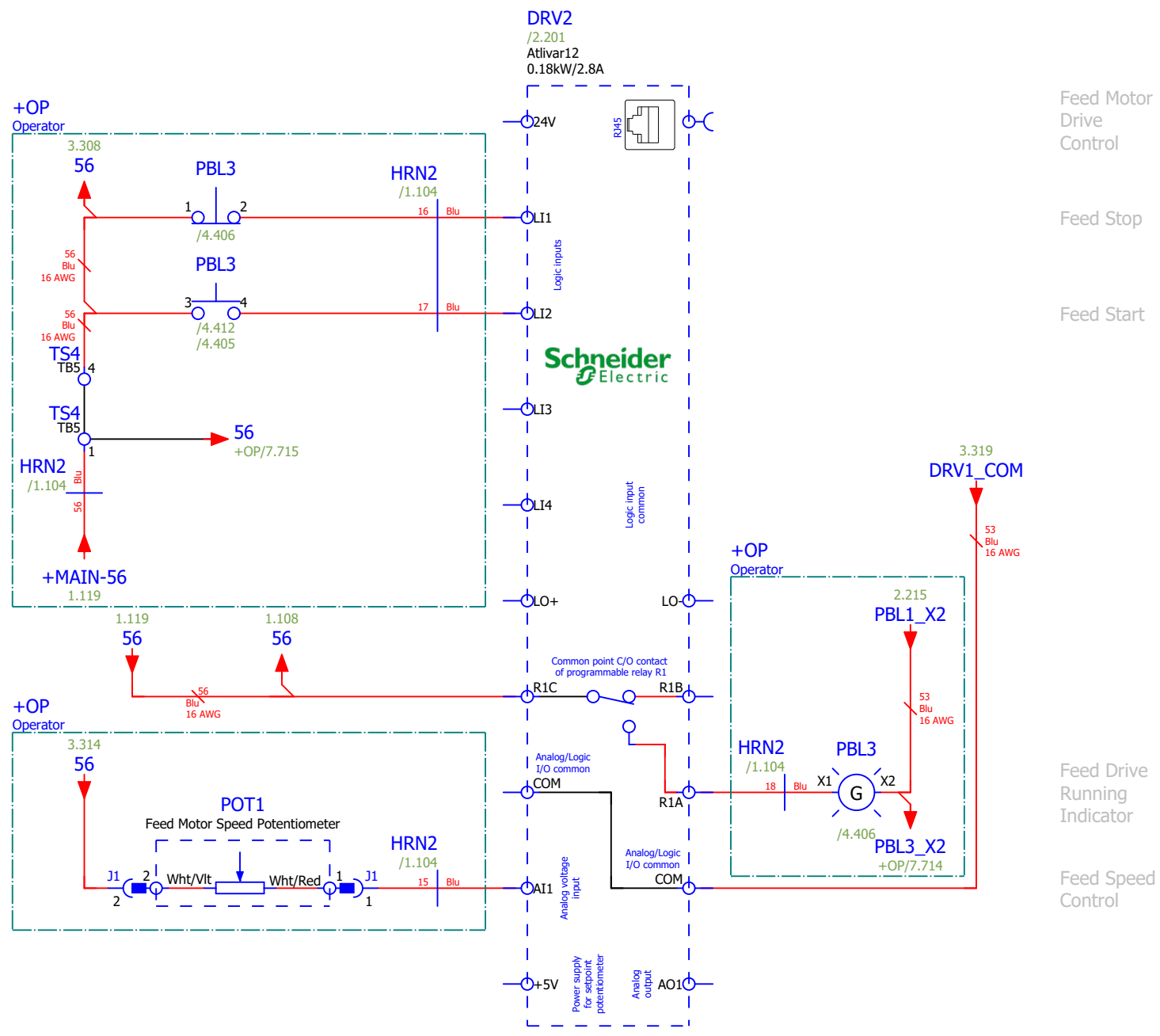




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Feed Motor
Drive
Control

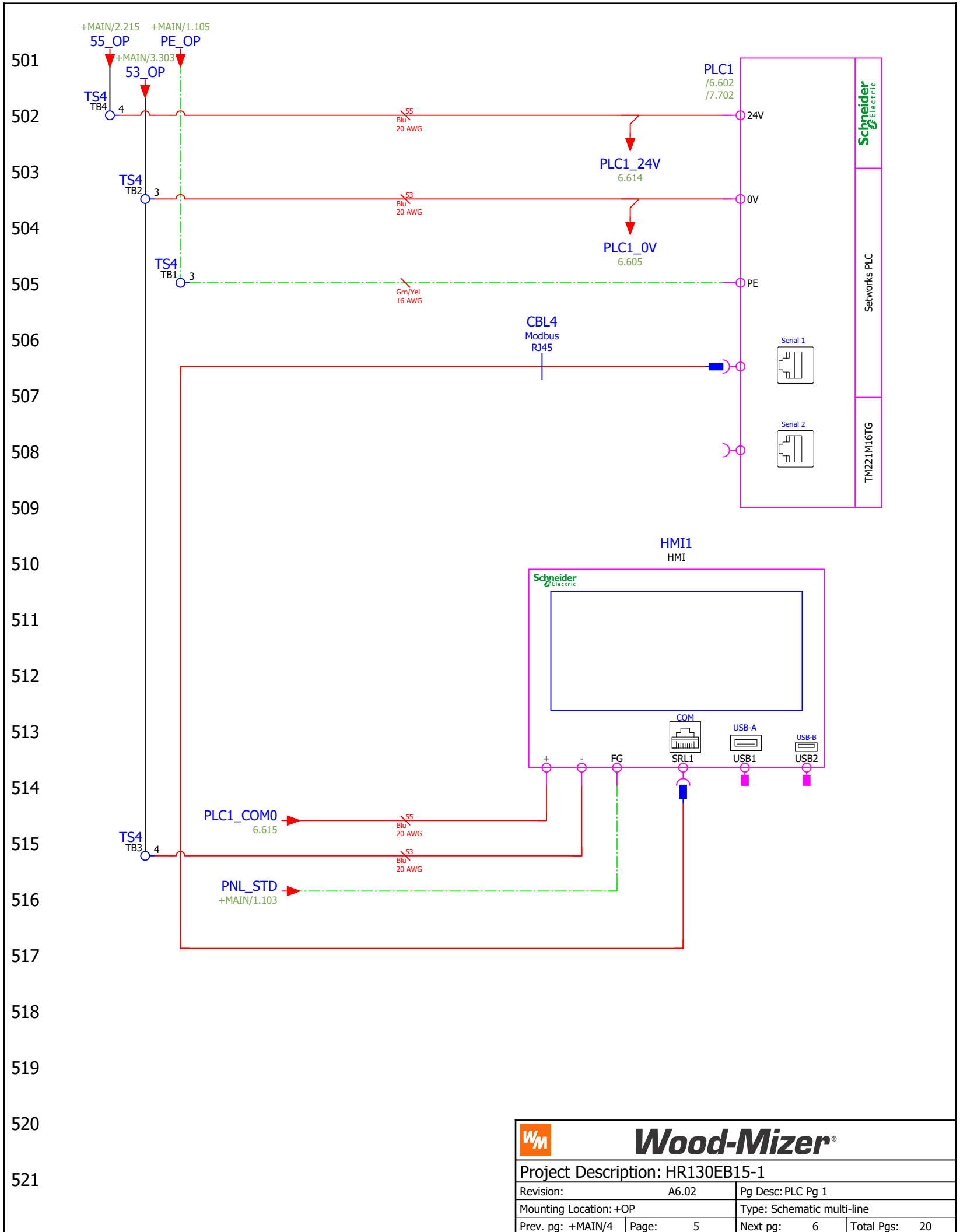
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Feed Start

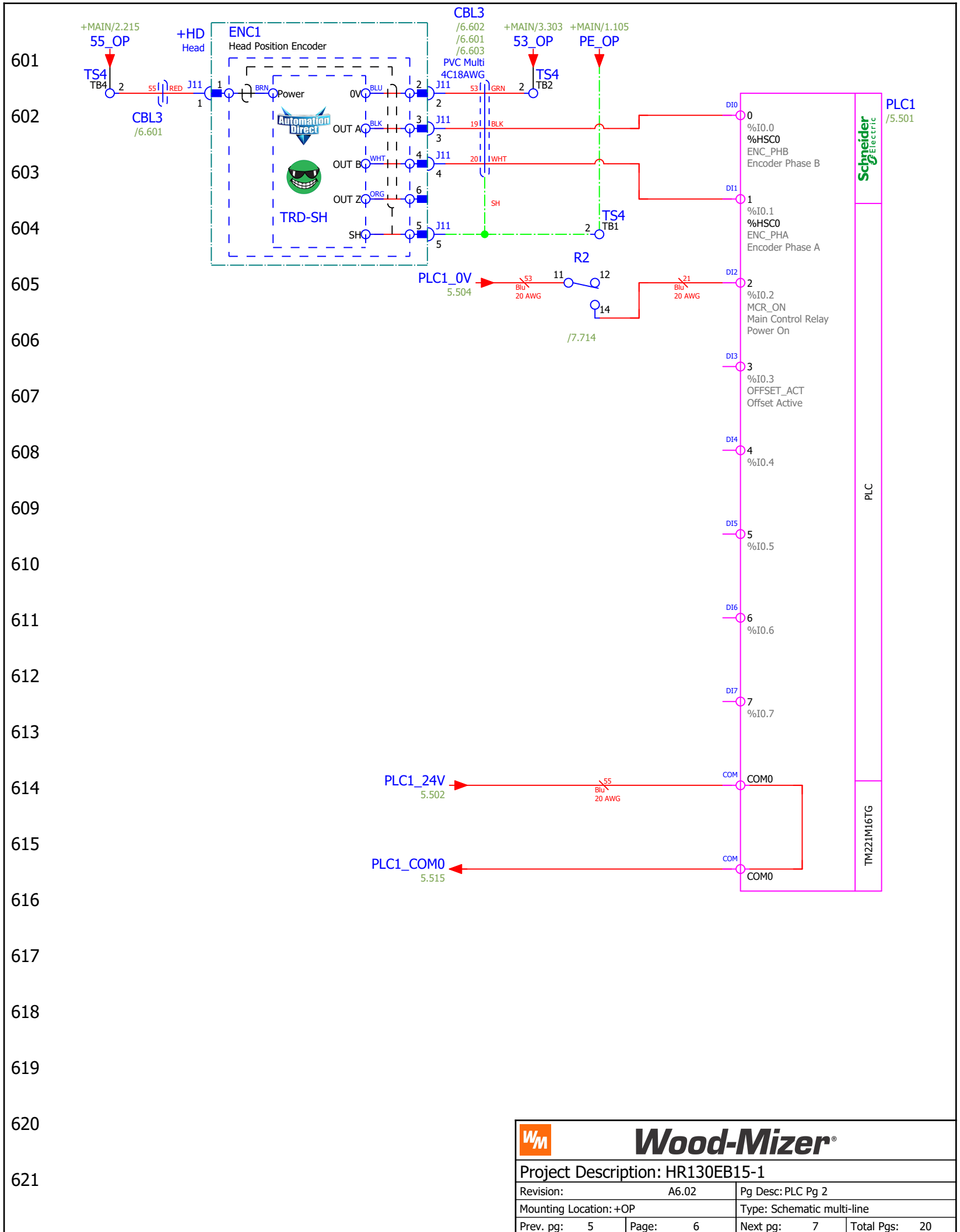
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Running
Indicator

Feed Speed
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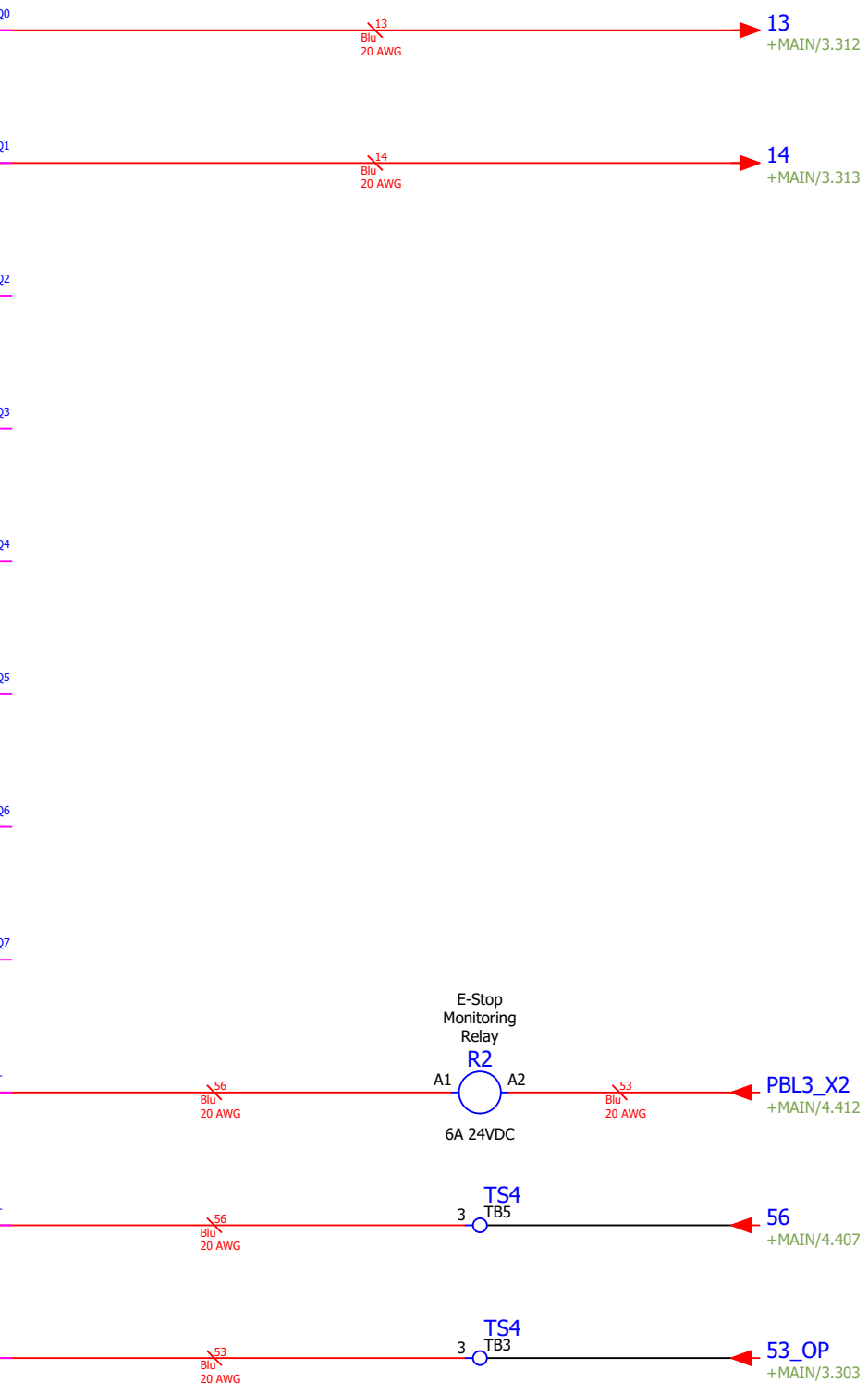
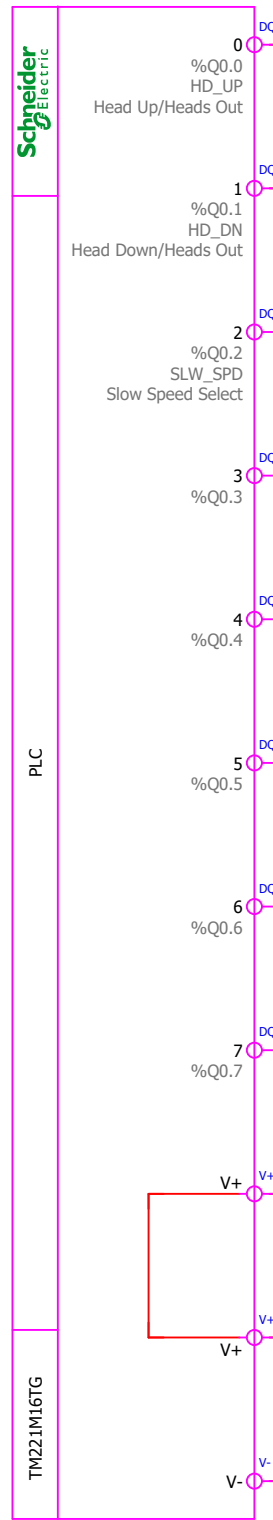


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Project Description: HR130EB15-1			
Revision:	A6.02	Pg Desc: PLC Pg 3	
Mounting Location: +OP		Type: Schematic multi-line	
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Next pg: +Docs/C1		Total Pgs: 20	

Device Tag/Parts List

WM_PARTS_LIST-Manual

Device tag	Function	Wood-Mizer Part Number	Wood-Mizer Description	Qty.	X-Ref
C1	Blade Motor Contactor	051322	Contacto, 25A 3P 24VDC Coil	1	+MAIN/3.305
DB1	Distribution Block	069701	Distribution Block, 3P 1 to 4	1	+MAIN/1.104
DRV1	Head Up/Down Motor Drive Power	069799	AC Drive Assy, HR130 Up/Down w/Software	1	+MAIN/1.112
DRV2	Feed Motor Drive Power	069800	Drive Assy, HR130 Feed w/Software	1	+MAIN/2.201
ENC1	Head Position Encoder	069840	Encoder Assy, HR130 Setworks	1	+OP/6.601
F1	Main L1 Fuse	053586	Fuseholder, 100A Cube	1	+MAIN/1.103
F1	=	069707	Fuse, 70A Class J Cube	1	+MAIN/1.103
F2	Main L2 Fuse	053586	Fuseholder, 100A Cube	1	+MAIN/1.103
F2	=	069707	Fuse, 70A Class J Cube	1	+MAIN/1.103
F3	Main L3 Fuse	053586	Fuseholder, 100A Cube	1	+MAIN/1.103
F3	=	069707	Fuse, 70A Class J Cube	1	+MAIN/1.103
F4	Blade Motor L1 Fuse	053717	Fuseholder, 60A Cube	1	+MAIN/1.106
F4	=	069708	Fuse, 60A Class J Cube	1	+MAIN/1.106
F5	Blade Motor L2 Fuse	053717	Fuseholder, 60A Cube	1	+MAIN/1.106
F5	=	069708	Fuse, 60A Class J Cube	1	+MAIN/1.106
F6	Blade Motor L3 Fuse	053717	Fuseholder, 60A Cube	1	+MAIN/1.107
F6	=	069708	Fuse, 60A Class J Cube	1	+MAIN/1.107
F7	Up/Down Motor Drive L1 Fuse	052512	Fuse Holder, 2P Class CC Screw Clamp	1	+MAIN/1.115
F7	=	052456	Fuse, 6A 600V Calss CC Delay	1	+MAIN/1.115
F8	Up/Down Motor Drive L2 Fuse	052456	Fuse, 6A 600V Calss CC Delay	1	+MAIN/1.116
F9	Power Supply L1 Fuse	052512	Fuse Holder, 2P Class CC Screw Clamp	1	+MAIN/2.209
F9	=	E22716	Fuse, 2A 600V Class CC	1	+MAIN/2.209
F10	Power Supply N Fuse	E22716	Fuse, 2A 600V Class CC	1	+MAIN/2.209
HM1	Blade Motor Hour Meter	015401	Digital Meter, Hour Rect Mount w/Gasket	1	+MAIN/3.306
HMI1	HMI	112566.3	HMI Assy, PLC Setworks	1	+OP/5.510
M1	Blade Motor	130000	Motor, 15HP 3530RPM Marathon Premium Eff	1	+MAIN/1.105
M2	Feed Motor	025696	Motor, 1/15HP 57RPM 230V 3PH 30:1 Gear	1	+MAIN/1.115
M3	=	073702	Motor Assy, HR130 Feed Conveyor	1	+MAIN/2.204
PB1	Main E-Stop Push-Button	025161	Switch Body, 1NC 22mm ZB4	1	+MAIN/2.214
PB1	=	024945	Switch, PB E-Stop Maintnd Red 22mm ZB4	1	+MAIN/2.214
PB1	=	050992	Legend, E-Stop, Round Yellow	1	+MAIN/2.214
PB2	Operator E-Stop Push-Button	025161	Switch Body, 1NC 22mm ZB4	1	+MAIN/2.214
PB2	=	024945	Switch, PB E-Stop Maintnd Red 22mm ZB4	1	+MAIN/2.214
PB2	=	050992	Legend, E-Stop, Round Yellow	1	+MAIN/2.214
PBL1	Control Power On Push-Button	024974-3	Switch, PB Grn 22mm 1NO/1NC LED 24V XB4	1	+MAIN/2.214
PBL2	Blade Motor Start/Stop Push-Button	025236-31	Switch Body, 22mm Grn LED 1 NO 24V ZB4	1	+MAIN/3.302
PBL2	=	051746	Switch Operator, 2 Button w/Pilot Red/Gr	1	+MAIN/3.302
PBL2	=	050540	Contact, NC ZBE102	1	+MAIN/3.302
PBL2	=	052501	Boot, Clear Sealing ZB Sw	1	+MAIN/3.302
PBL3	Feed Motor Start/Stop Push-Button	025236-31	Switch Body, 22mm Grn LED 1 NO 24V ZB4	1	+MAIN/4.406
PBL3	=	051746	Switch Operator, 2 Button w/Pilot Red/Gr	1	+MAIN/4.406
PBL3	=	050540	Contact, NC ZBE102	1	+MAIN/4.406
PBL3	=	052501	Boot, Clear Sealing ZB Sw	1	+MAIN/4.406
PLC1	Setworks PLC	069849-3	PLC Ass, PLC Setworks	1	+OP/5.501
POT1	Feed Motor Speed Potentiometer	025200	Pot Assy, 4-20mA 24V W/conn	1	+MAIN/4.413
POT1	=	033476	O-Ring, 7/32 IN #009	2	+MAIN/4.413
POT1	=	033478	Knob, 1/4 ID Fluted Round Plastic	1	+MAIN/4.413
PWR1	24VDC Power Supply	069703	Power Supply, 24VDC 5A 110/230	1	+MAIN/2.207
Q1	Main Disconnect	050881-1	Disconnect, 63A 600V 3P 6mm Shaft	1	+MAIN/1.102
Q1	=	050908-1	Shaft, 290mm Pistol Grip Disconnect	1	+MAIN/1.102
Q1	=	050907-1	Handle, Disconnect Red/Yel Pistol Grip	1	+MAIN/1.102
R1	Main Control Relay	024890	Contacto, 9A 3P 24VDC Coil	1	+MAIN/2.217
R2	E-Stop Monitoring Relay	069883	Relay, 6A 24VDC w/ Cage Clamp Socket	1	+OP/7.714
SS1	Head Up/Down Switch	050545	Base, 2NO Contact	1	+MAIN/3.309
SS1	=	051744	Switch Operator, 3 Pos Sel Mom ZB4	1	+MAIN/3.309


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Prev. pg:	+OP/7	Page:	C1
Next pg:	D1	Total Pgs:	20

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +MAIN-TS1

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	•				/1.03
TB2		068104	Terminal Block, 4Pos 1.5mm GND Clamp	•		068105		/1.04
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 2 Position Jumper Between TB3-4	/2.08
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		/3.18
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•	068113		Jumper is Trimmed Down To 2 Position Jumper Between TB5-6	/2.08
TB6		068103	Terminal Block, 4Pos 1.5mm Com Clamp	•		068105		/2.15


		Wood-Mizer®	
Project Description: HR130EB15-1			
Revision:	A6.02	Pg Desc: Terminal line-up diagram	
Mounting Location: +Docs		Type: Terminal line-up diagram	
Prev. pg:	C1	Page:	D1
Next pg:	D2	Total Pgs: 20	

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +MAIN-TS2


Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068100	Terminal Block, 2Pos 1.5mm Clamp	•				/1.08
TB2		068100	Terminal Block, 2Pos 1.5mm Clamp	•		068102		/1.09

 Wood-Mizer®	
Project Description: HR130EB15-1	
Revision: A6.02	Pg Desc: Terminal line-up diagram
Mounting Location: +Docs	Type: Terminal line-up diagram
Prev. pg: D1	Page: D2
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Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram


Terminal strip +OP-TS4								
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		+MAIN/1.04
TB2		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper is Trimmed Down To 2 Position Jumper Between TB2-3	+MAIN/3.02
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●		068105		/7.17
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	⋮		068105		+MAIN/2.15
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	⋮		068105		+MAIN/4.07

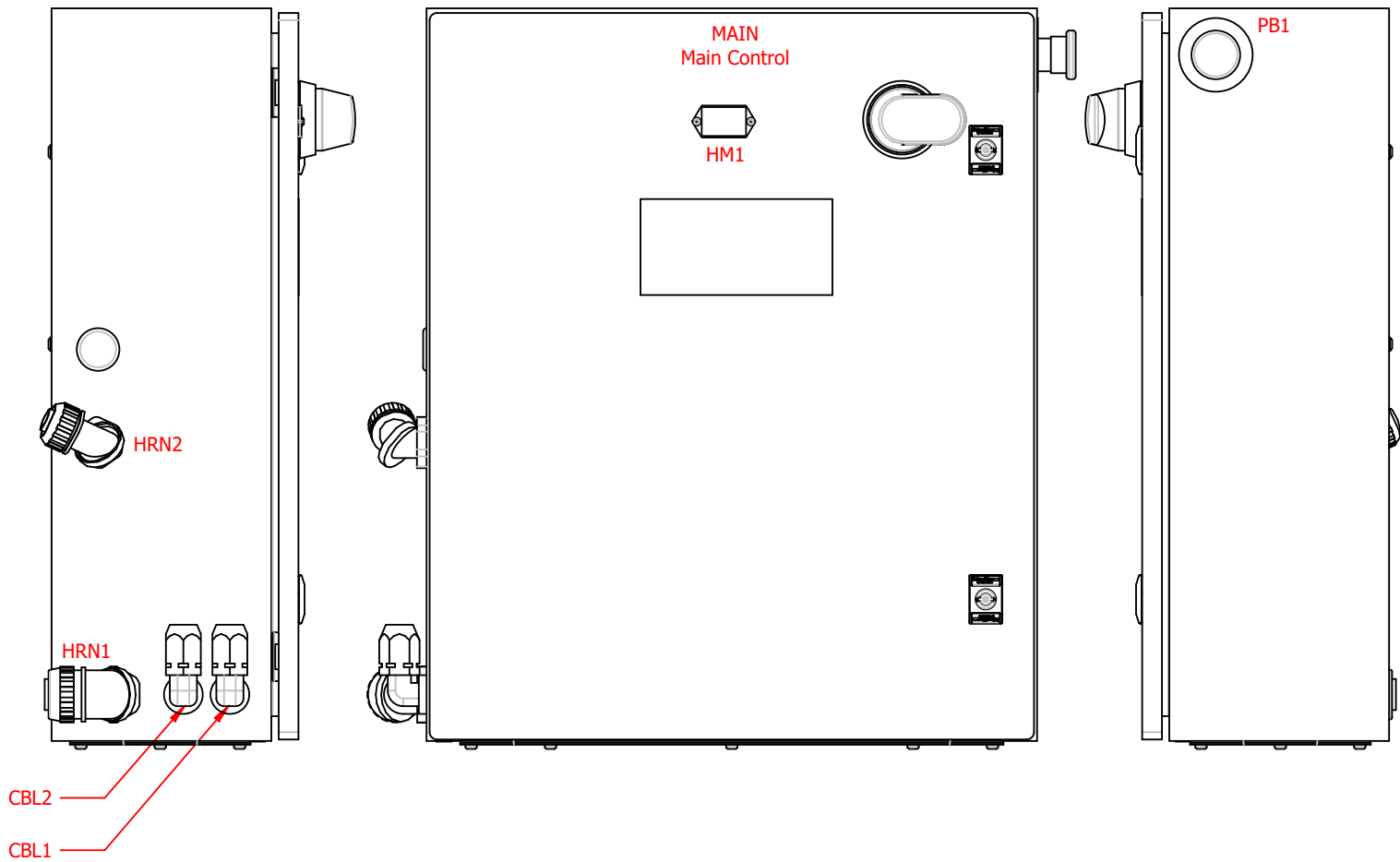
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Cable Overview

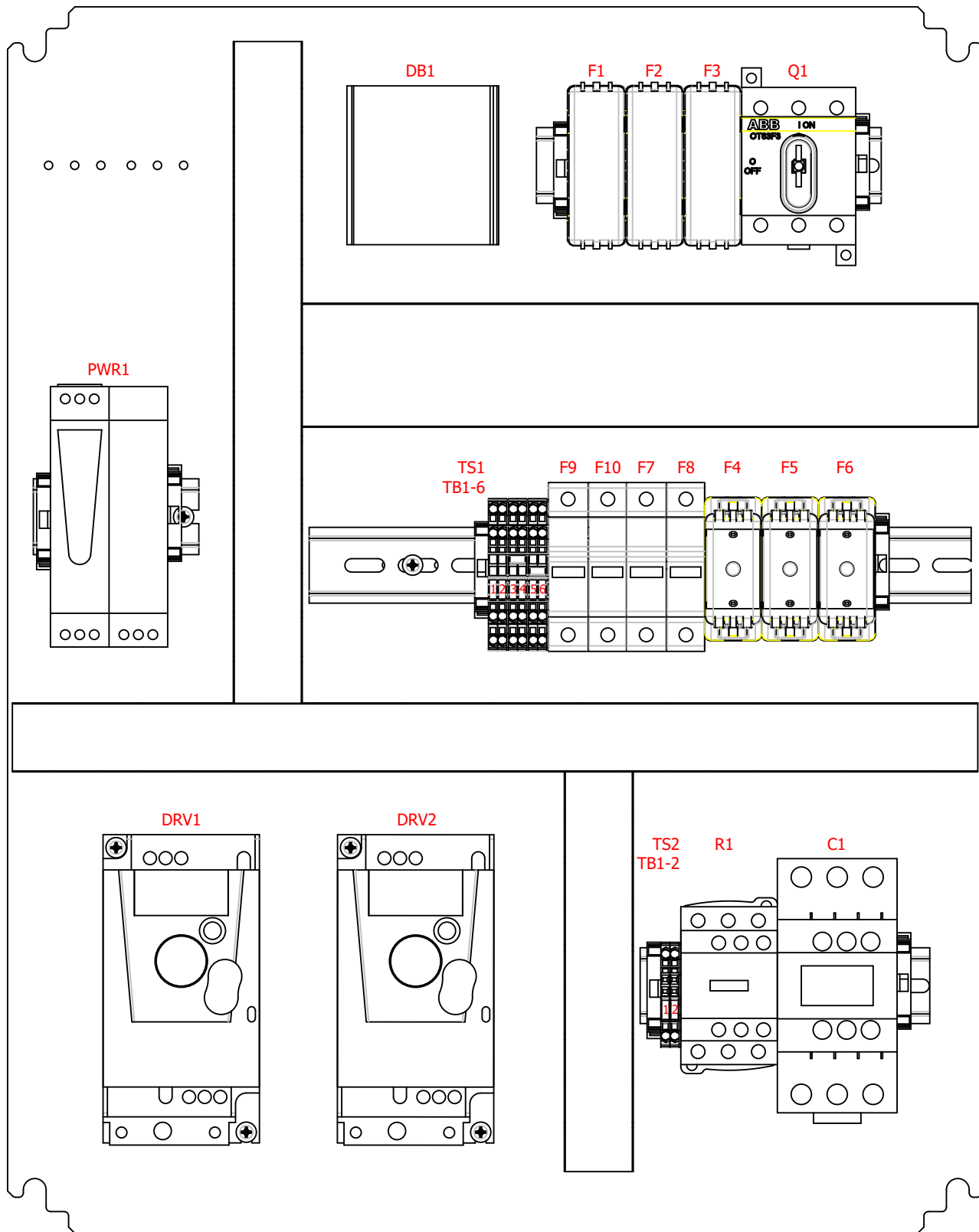
Wood-Mizer_Cable_Overview

Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
CBL1	053743	Cable Assy, HR130 Up/Down Motor	+MAIN/1.115
CBL2	073703	Cable Assy, HR130 Feed Motor Connector	+MAIN/2.204
CBL3	069839	Cable Assy, HR130 Encoder	+OP/6.601
CBL4	078394	Cable, Modbus XBT RJ45 2.5m	+OP/5.506
HRN1	053741	Harness Assy, HR130EB15-1 Blade Motor	+MAIN/1.105
HRN2	053745	Harness Assy, HR130 Operator	+MAIN/1.104

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Project Description: HR130EB15-1	
Revision:	A6.02
Mounting Location: +Docs	Pg Desc: Cable overview
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Project Description: HR130EB15-1				
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Mounting Location:	+Docs	Type: Panel layout		
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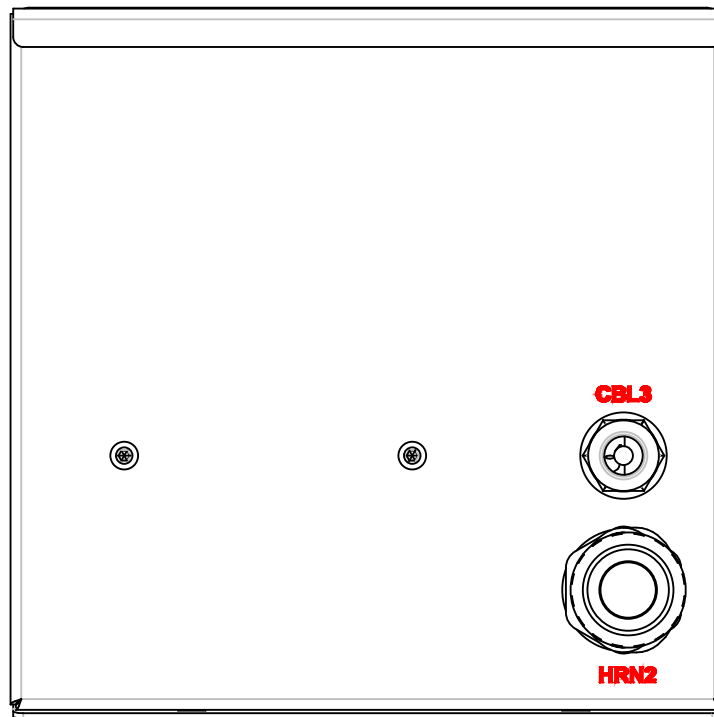
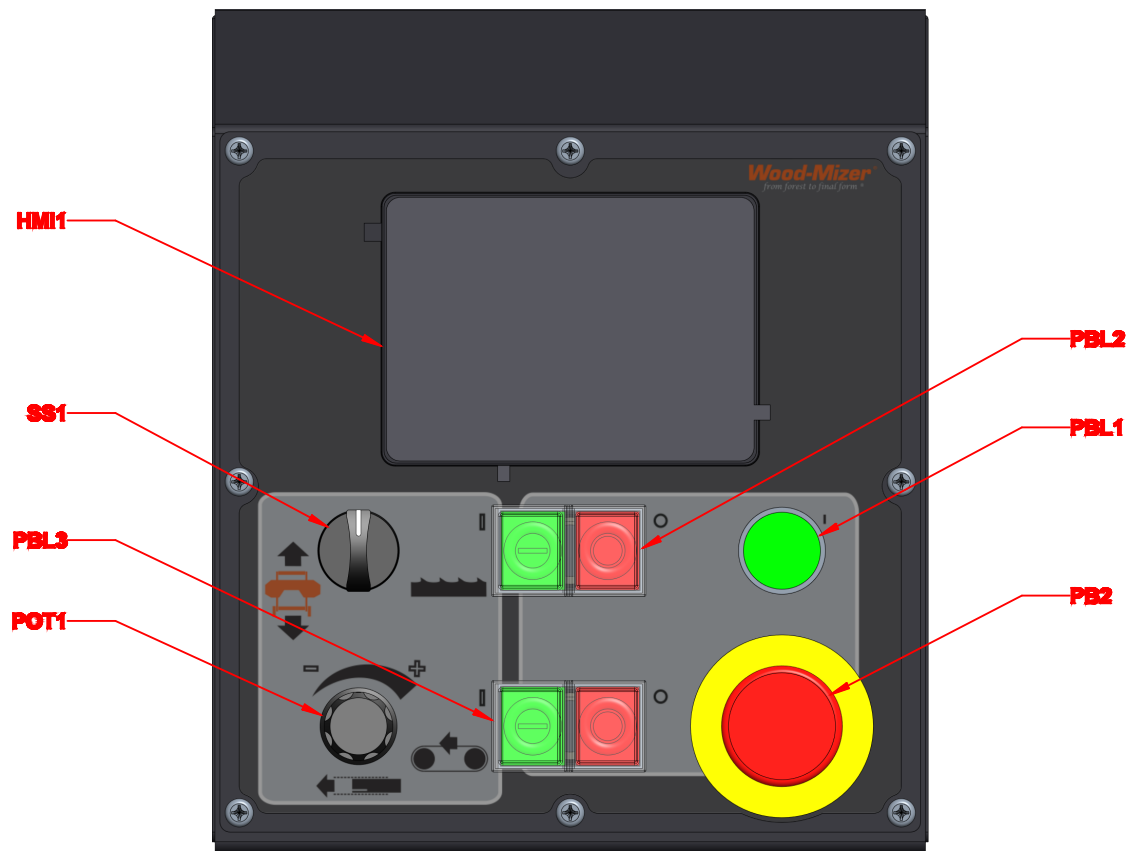
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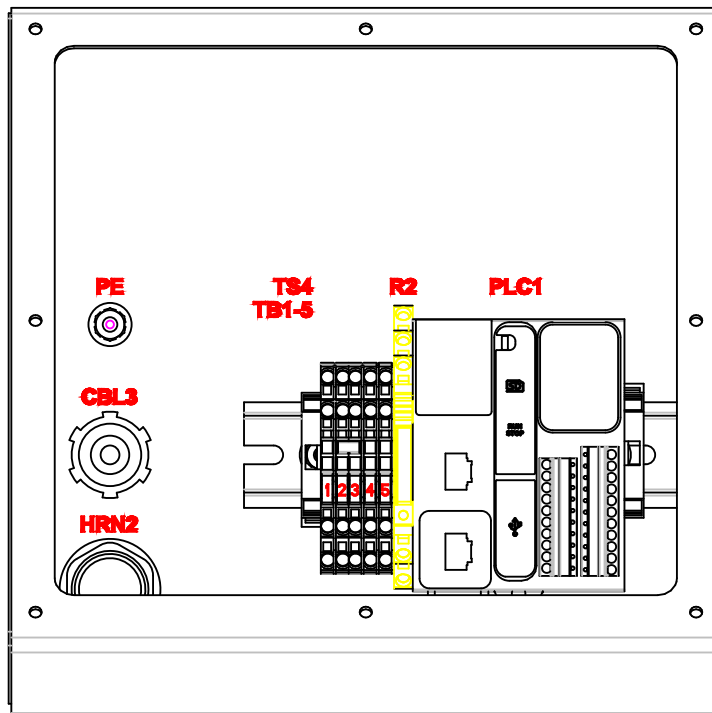
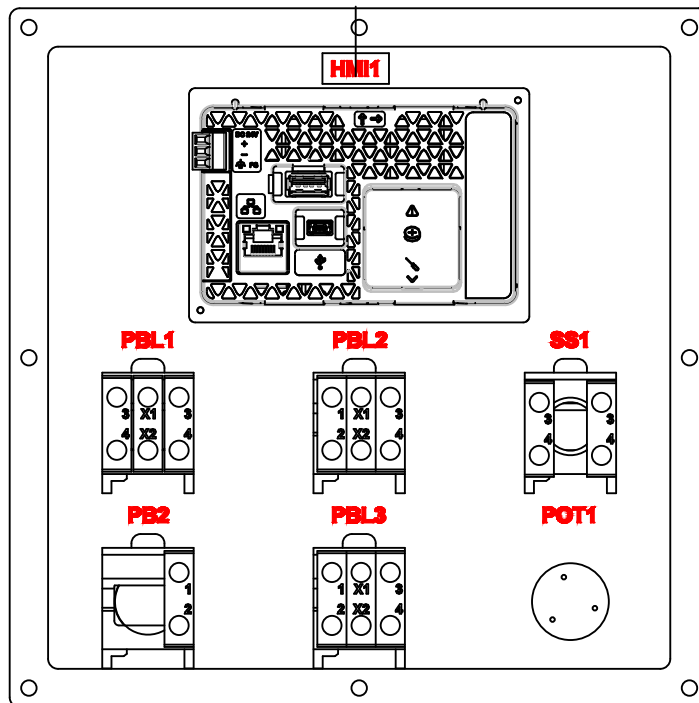
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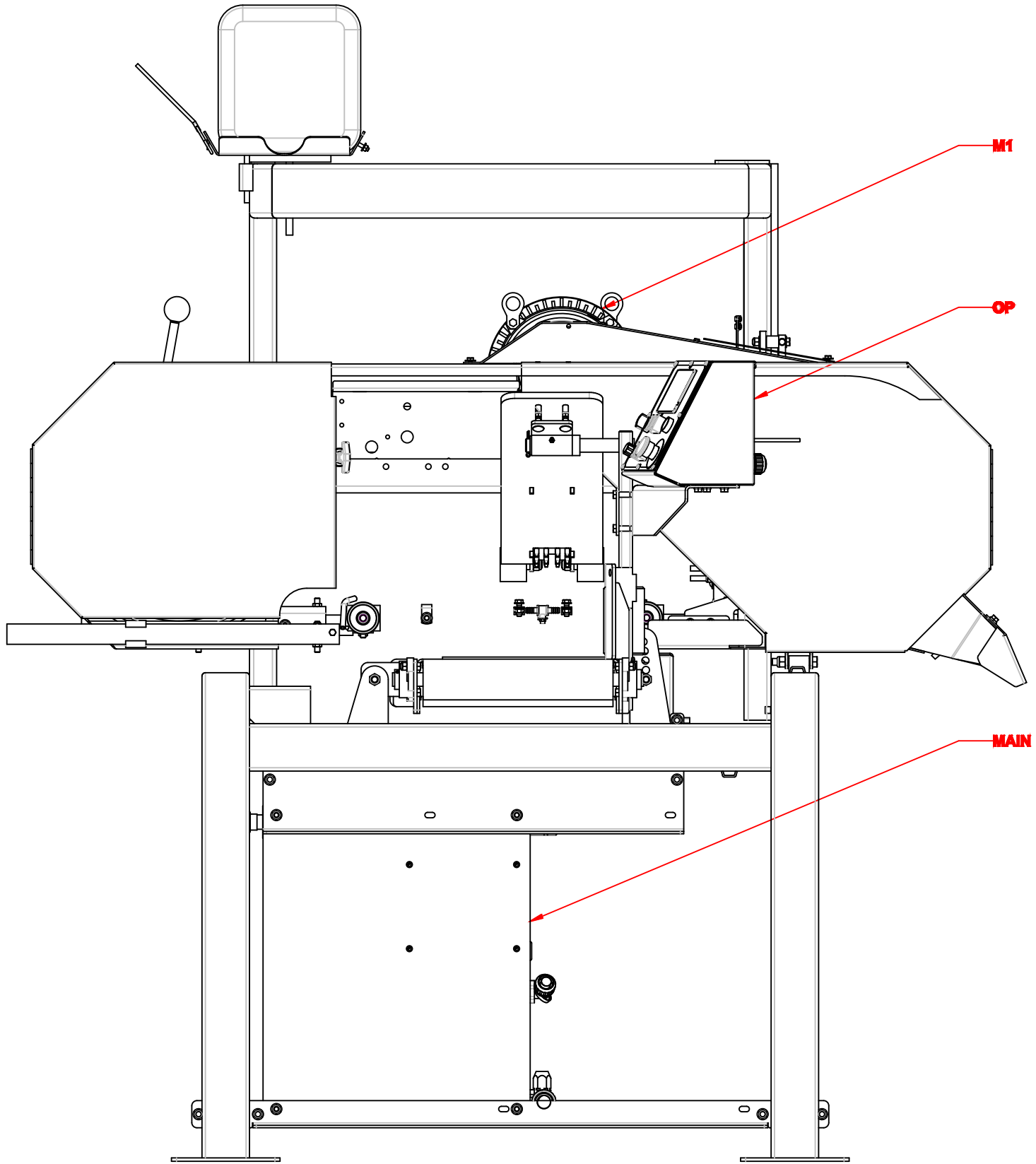
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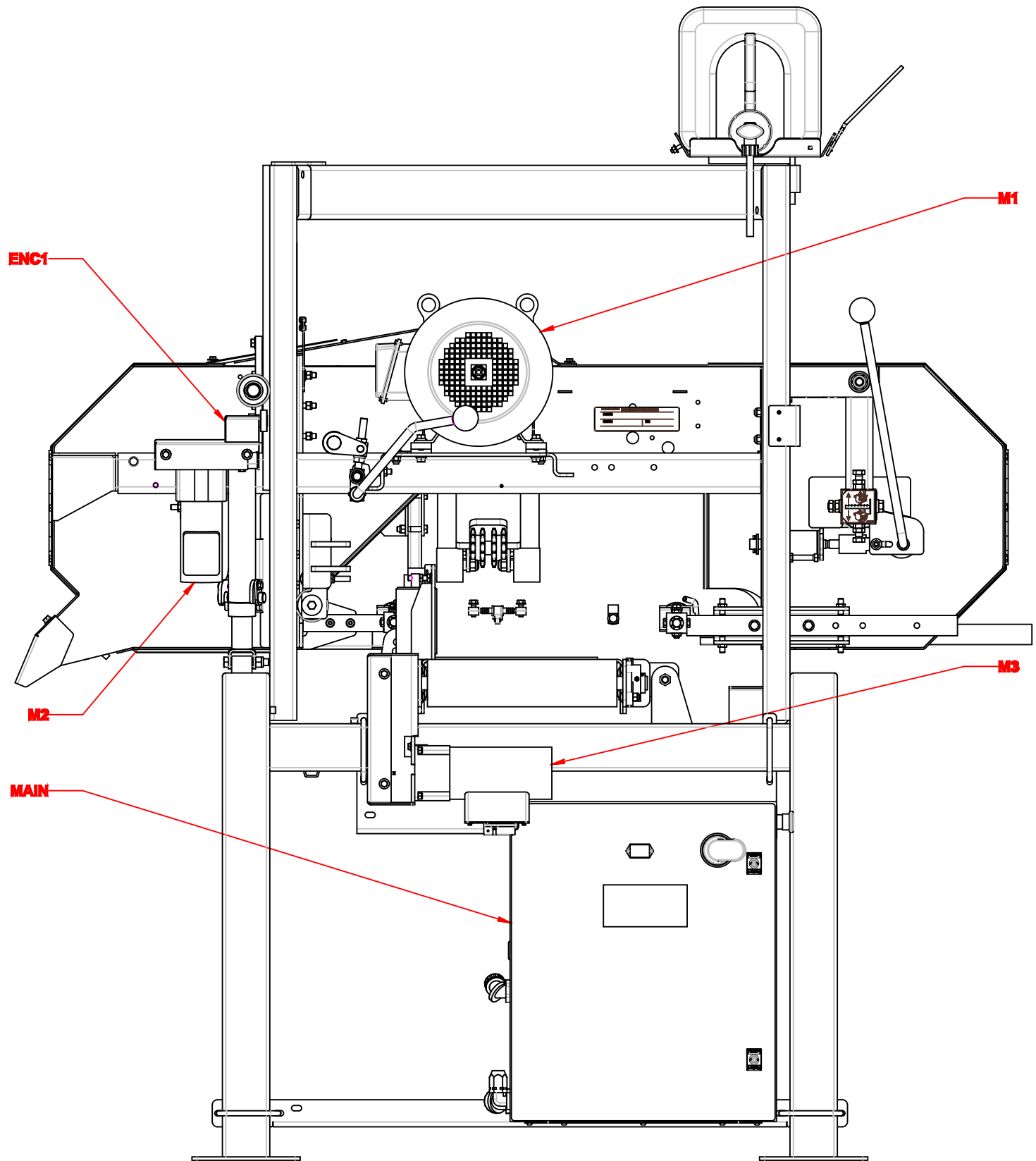
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Revision: A6.02	Pg Desc: Operator Layout Internal
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Wood-Mizer®

Project Description: HR130EB15-1

Revision:	A6.02	Pg Desc: Machine Layout Front	
Mounting Location:	+Docs	Type: Panel layout	
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Wood-Mizer®

Project Description: HR130EB15-1

Revision:	A6.02	Pg Desc: Machine Layout Back
Mounting Location: +Docs		Type: Panel layout
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