

**ELECTRICAL INFORMATION and
FLUID POWER SCHEMATIC**

HR250SEB25U

B1.00+


8180 W 10th St
Indianapolis, IN 46214

HR250SEB25U WMLLC A4 121271

Creator	MOC
Create Date	5/28/2024
Last Editor	SDC
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Design Revision	A4
Project Type	Schematic project
Total Pages	28
Report Pages	11
Supply Type	120VAC/24VDC

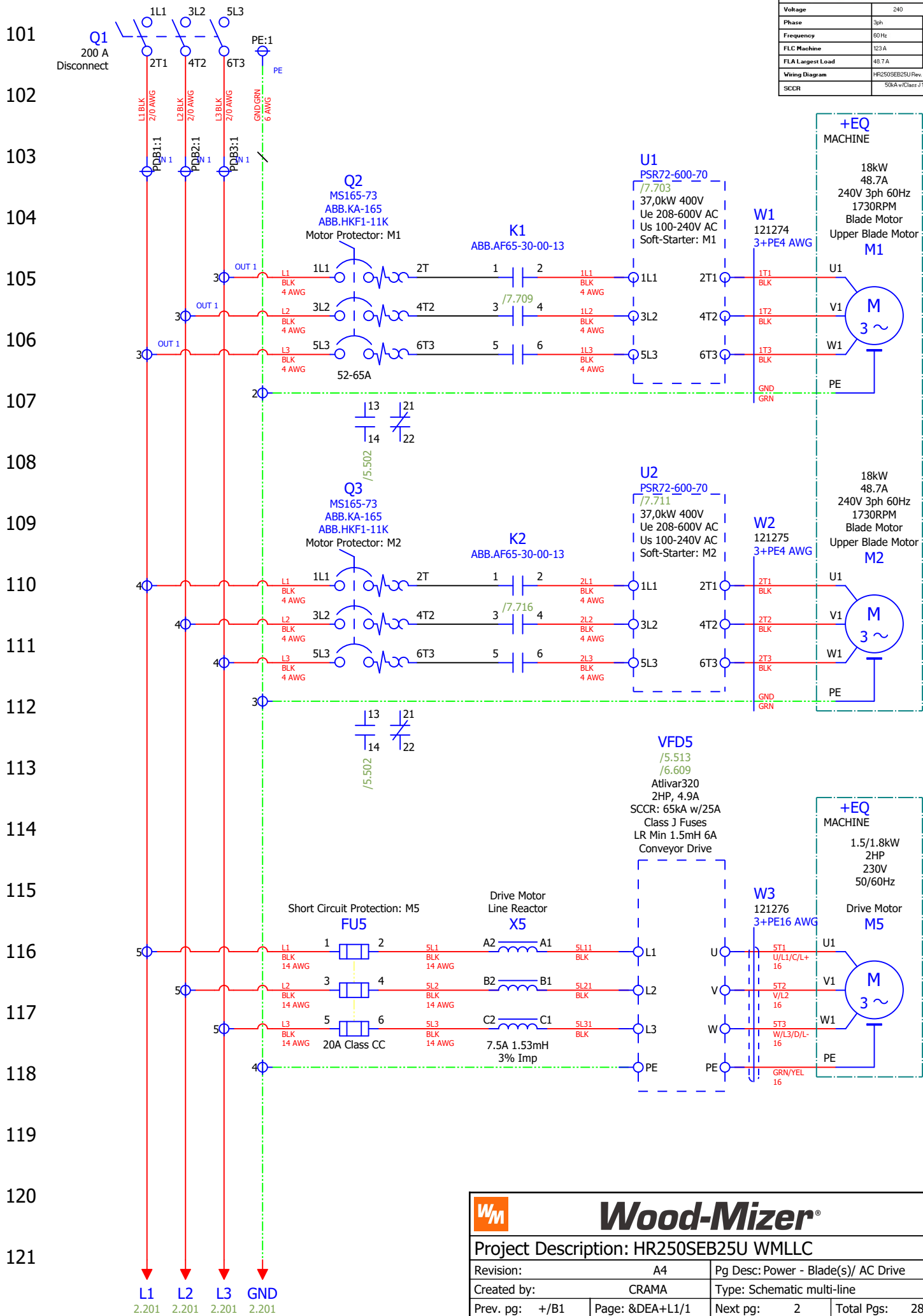
Revision History

Date	Revision	Revision Record	Drawn By	Checked By
12/03/19	0	Initial Design	MOC	AR
12/18/21	A1	Code compliance corrections.	MOC	--
12/16/22	A2	Replaced Wye-Delta starters with soft-starters.	MOC	--
5/15/24	A3	Minor corrections.	MOC	JM
08/30/24	A4	Release to production.	MOC	SDC

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision: A4		Pg Desc: Revision History	
Mounting Location: &DEA/B1		Type: Overview	
Prev. pg: A1	Page: B1	Next pg: +L1/1	Total Pgs: 28

Wood-Mizer

Voltage	240	±10%	VAC
Phase	3ph		
Frequency	60Hz		
FLC Machine	123A		
FLA Largest Load	48.7A		
Wiring Diagram	HR250SEBSU Rev. A4		
SCCR	50kA w/Class J 50A Fuse Installed In Feeder By Customer 10kA w/ Other Protection		

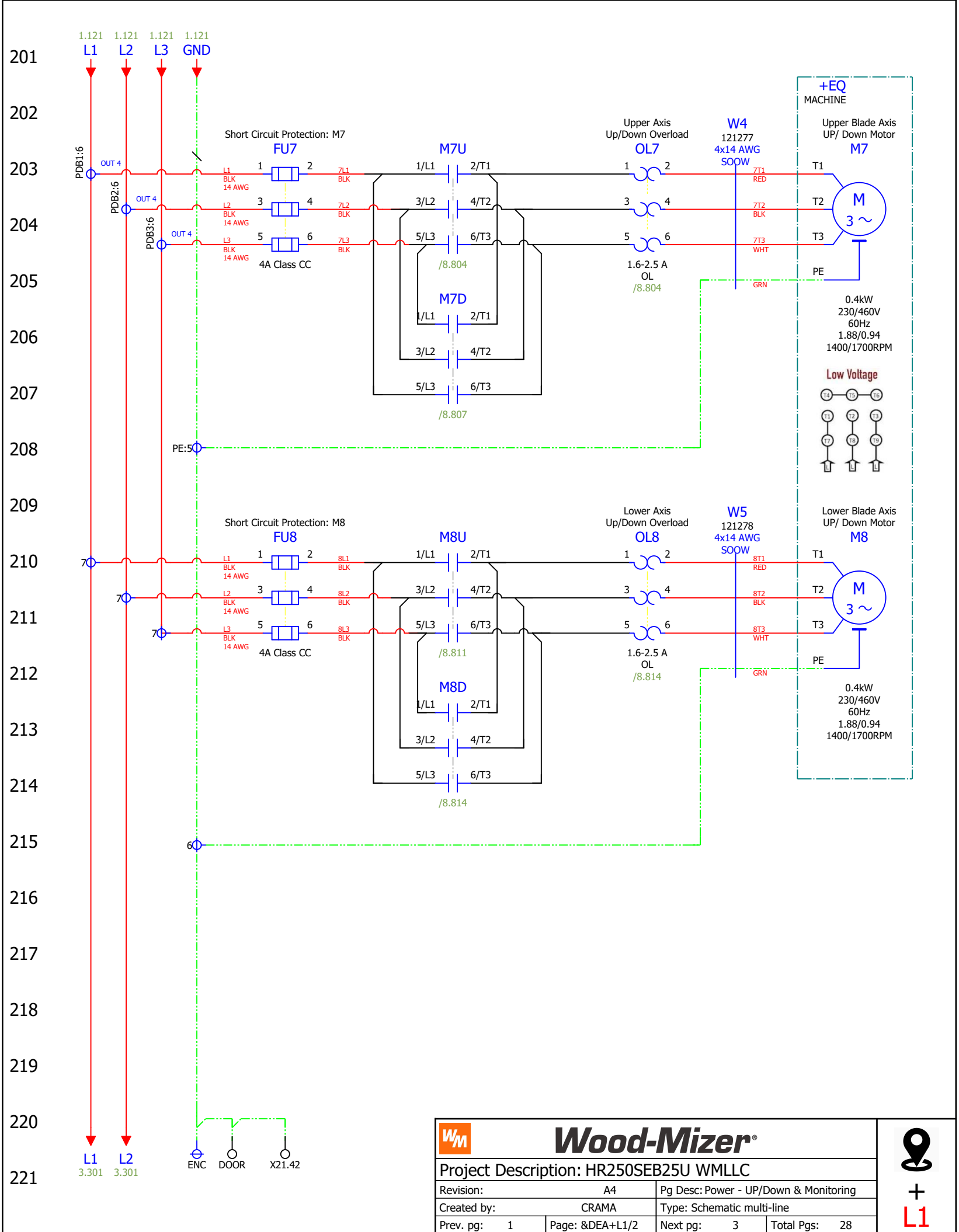


Wood-Mizer

Project Description: HR250SEB25U WMLLC

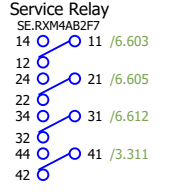
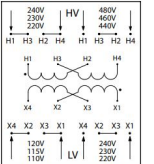
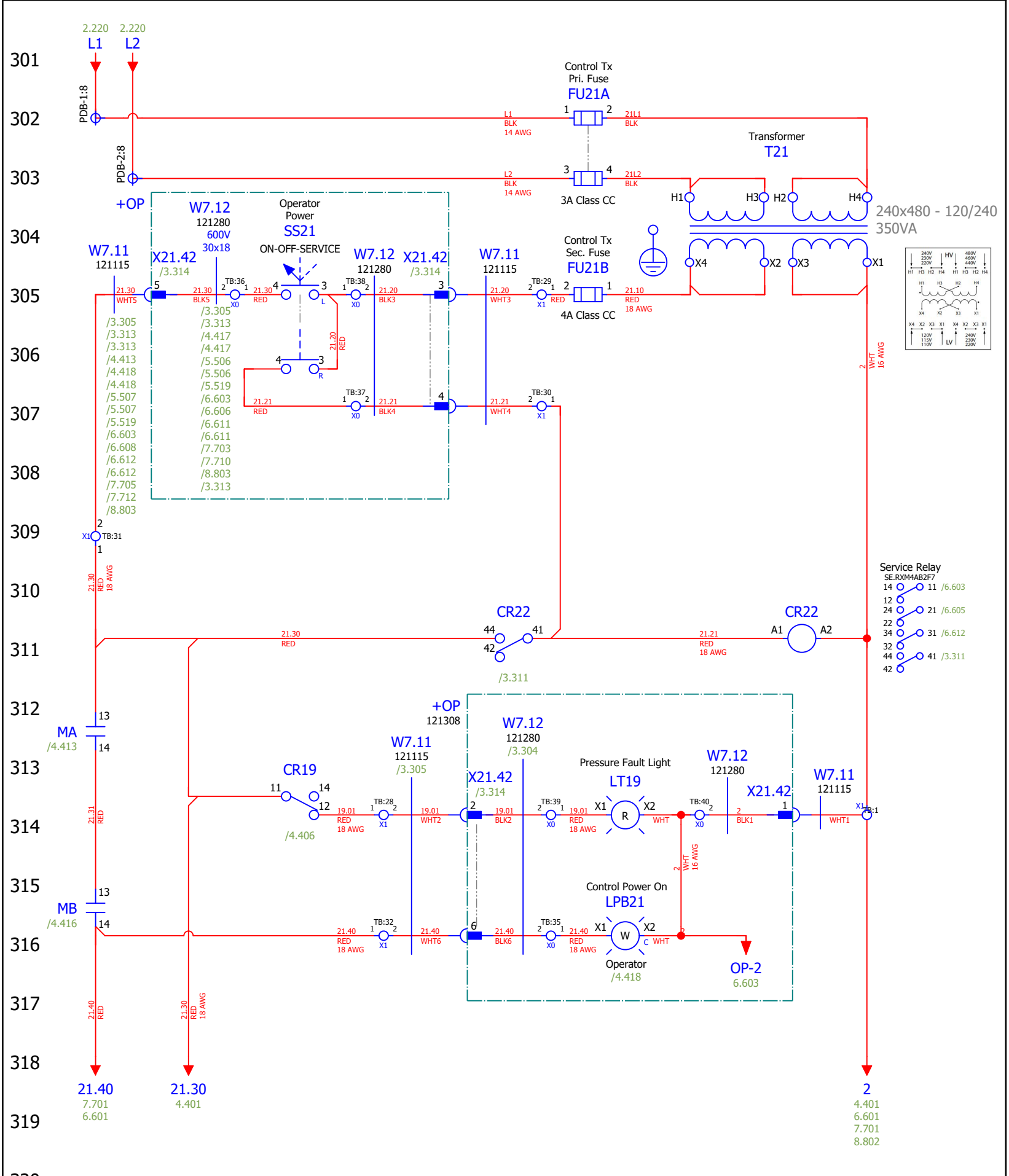
Revision:	A4	Pg Desc:	Power - Blade(s)/ AC Drive
Created by:	CRAMA	Type:	Schematic multi-line
Prev. pg:	+/B1	Page:	&DEA+L1/1
Next pg:	2	Total Pgs:	28





Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Power - UP/Down & Monitoring	
Created by:	CRAMA	Type: Schematic multi-line	
Prev. pg:	1	Page: &DEA+L1/2	Next pg: 3
		Total Pgs:	28

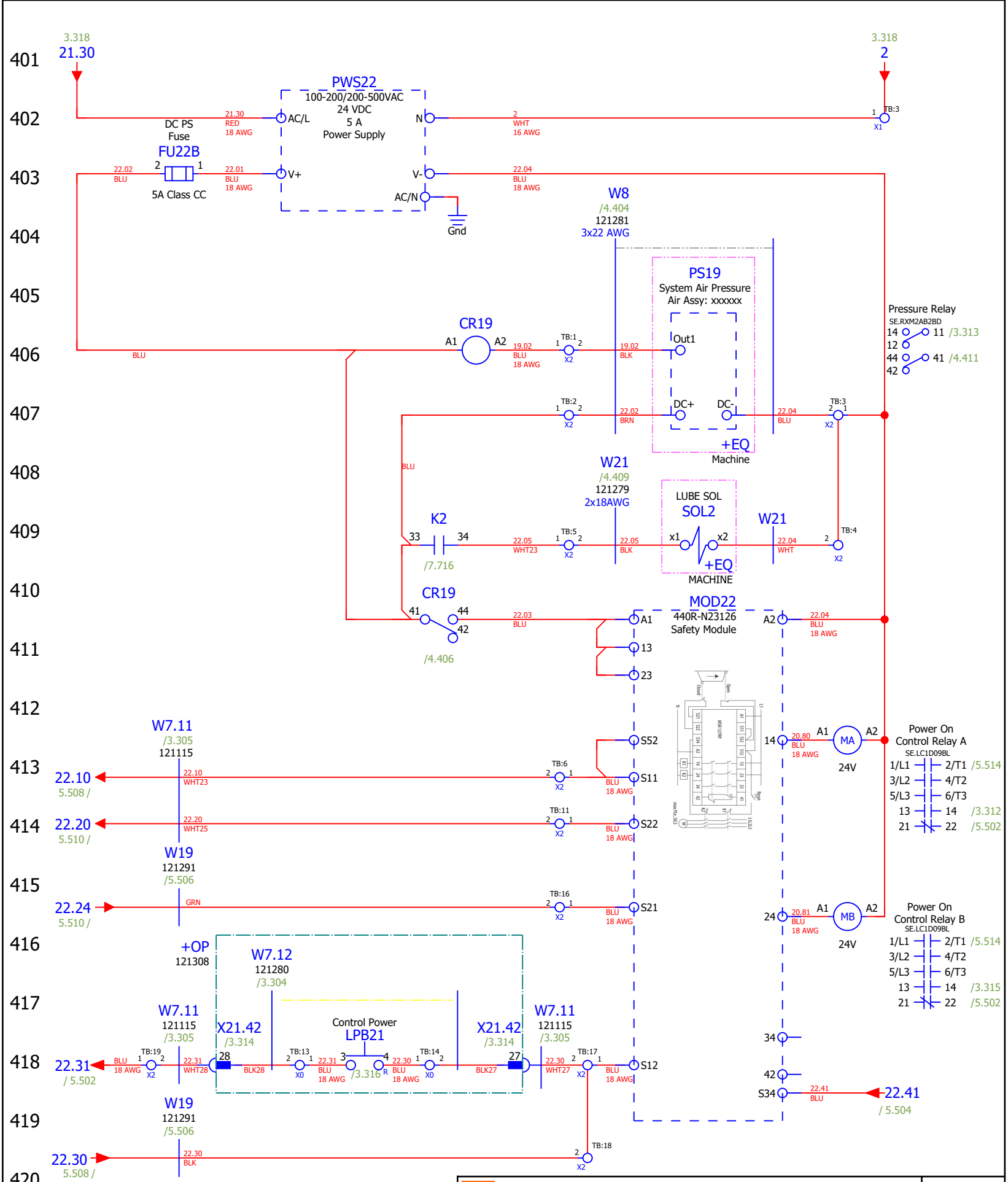




Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Power /AC Control - System On/Off	
Created by:	CRAMA	Type: Schematic multi-line	
Prev. pg:	2	Page: &DEA+L1/3	Next pg: 4
		Total Pgs:	28



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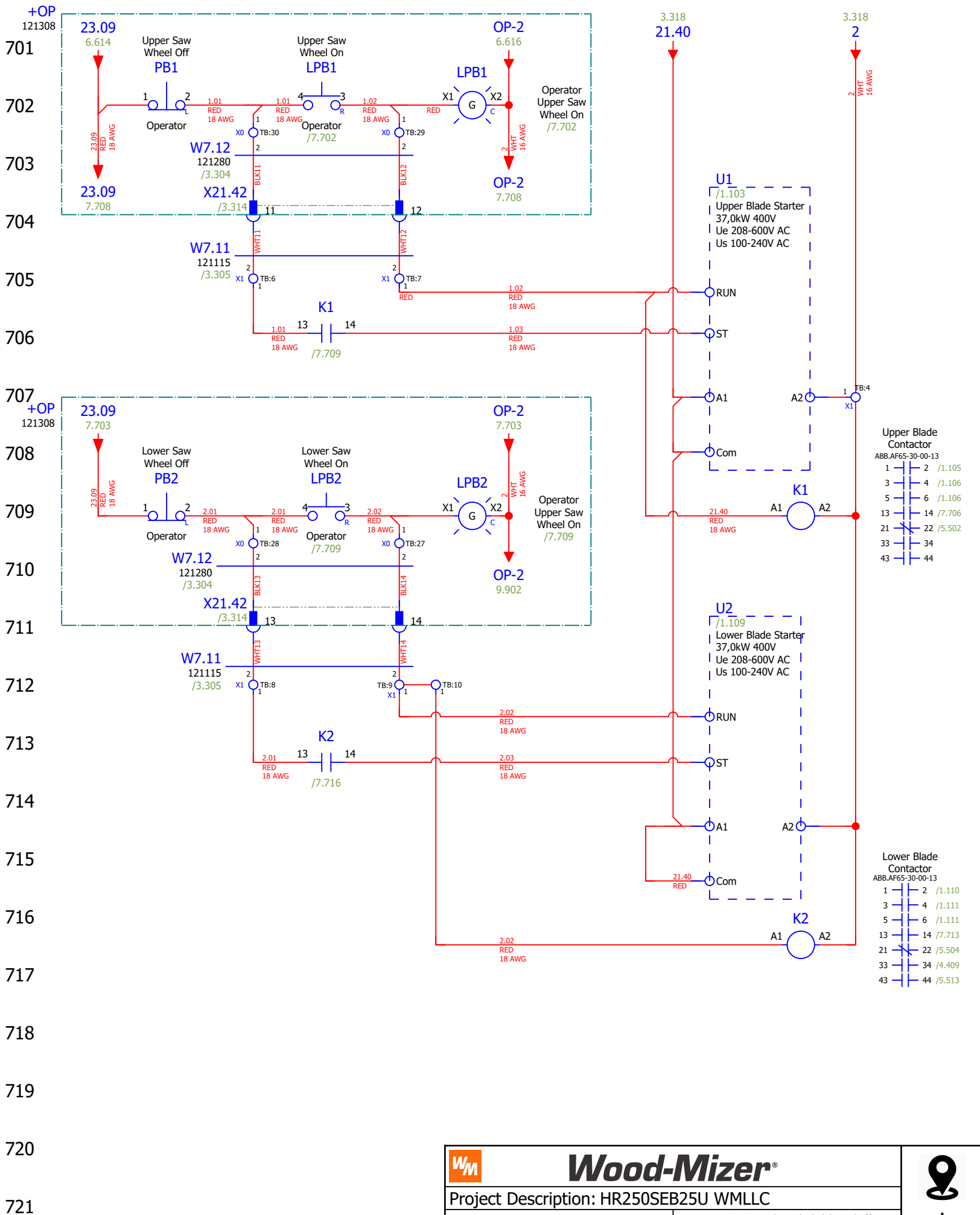
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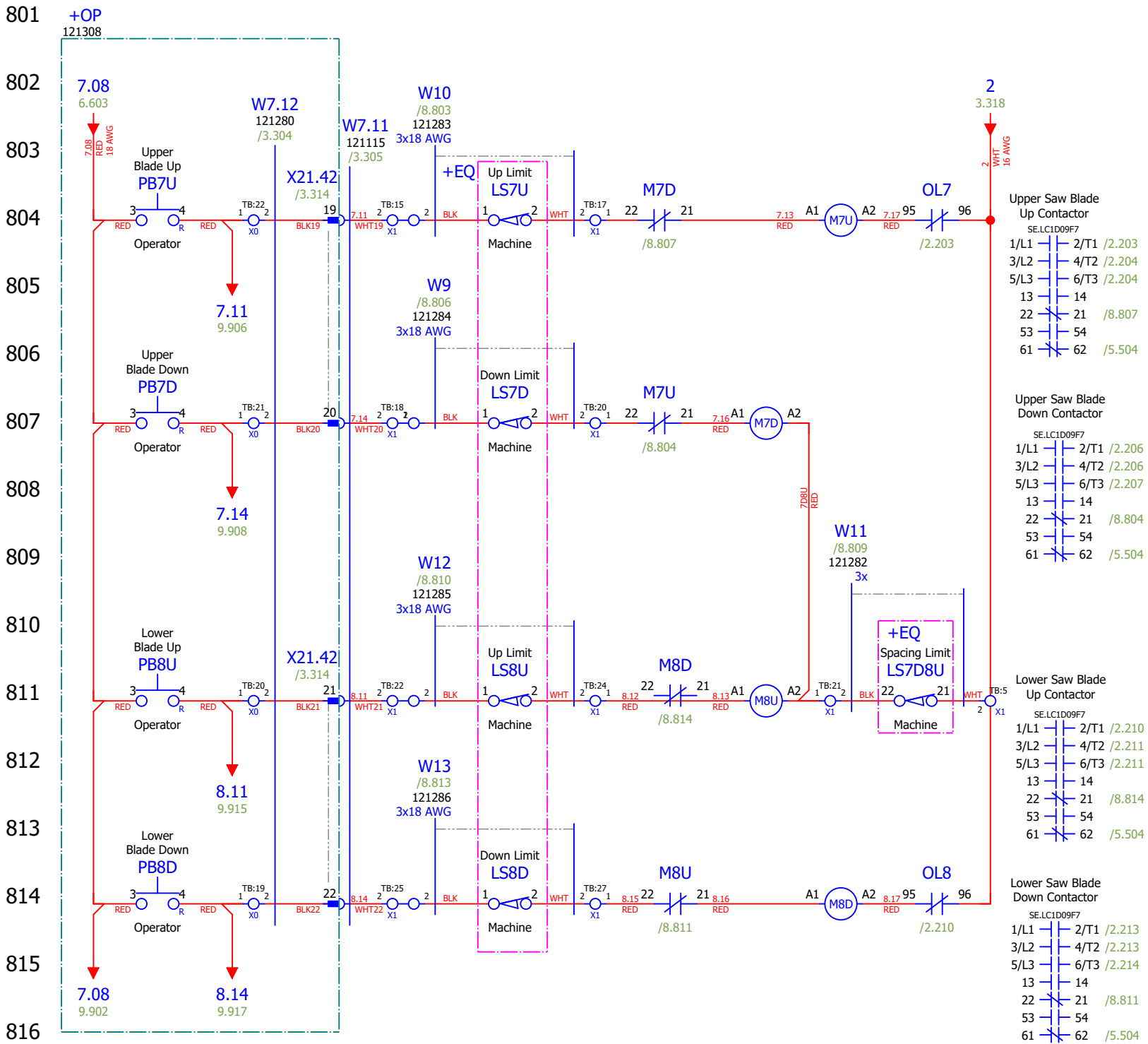
Project Description: HR250SEB25U WMLLC



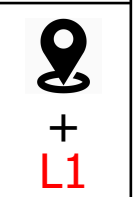
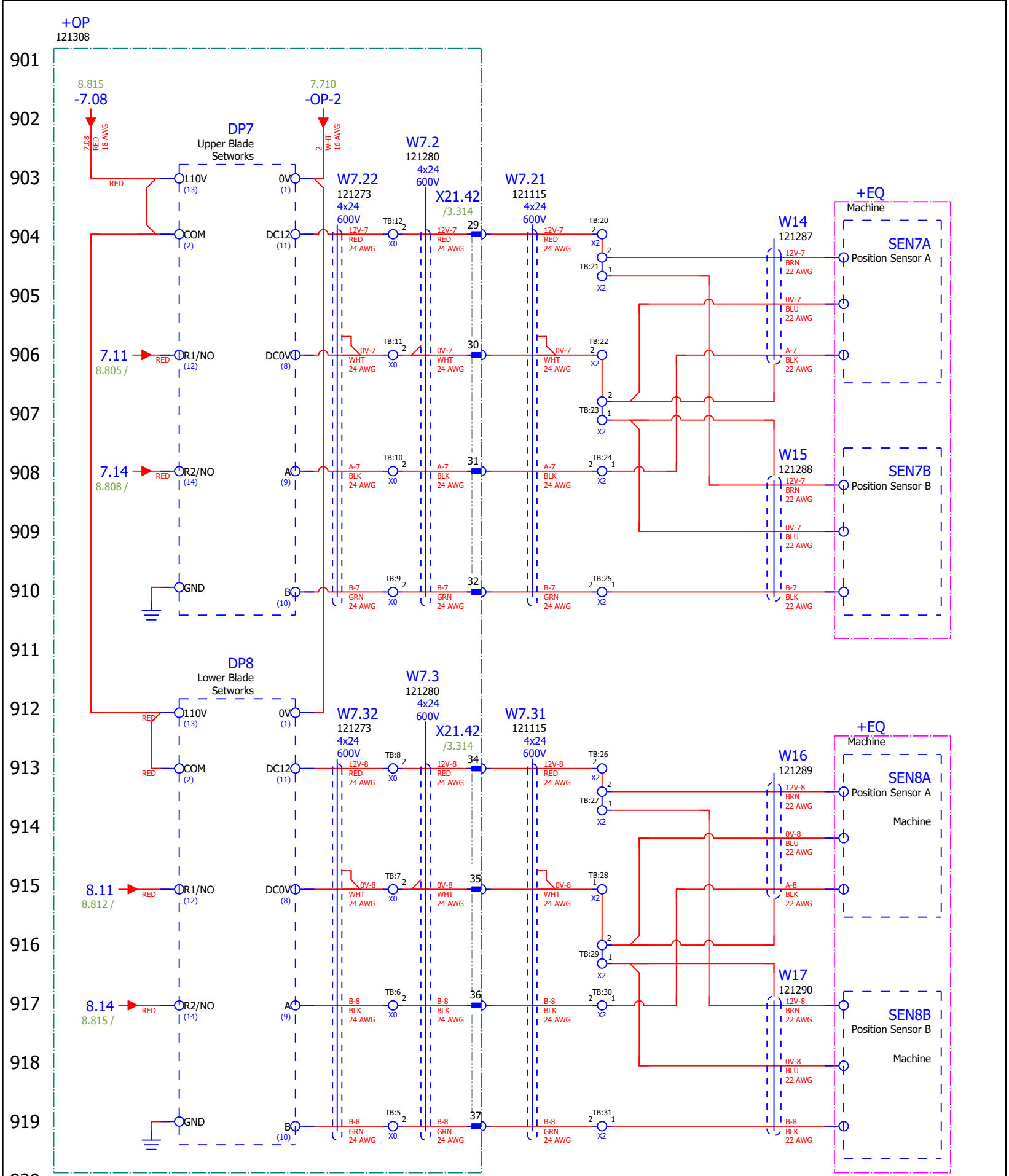
Revision: A4	Pg Desc: DC Controls - Safety
Created by: CRAMA	Type: Schematic multi-line
Prev. pg: 3	Page: &DEA+L1/4
Next pg: 5	Total Pgs: 28

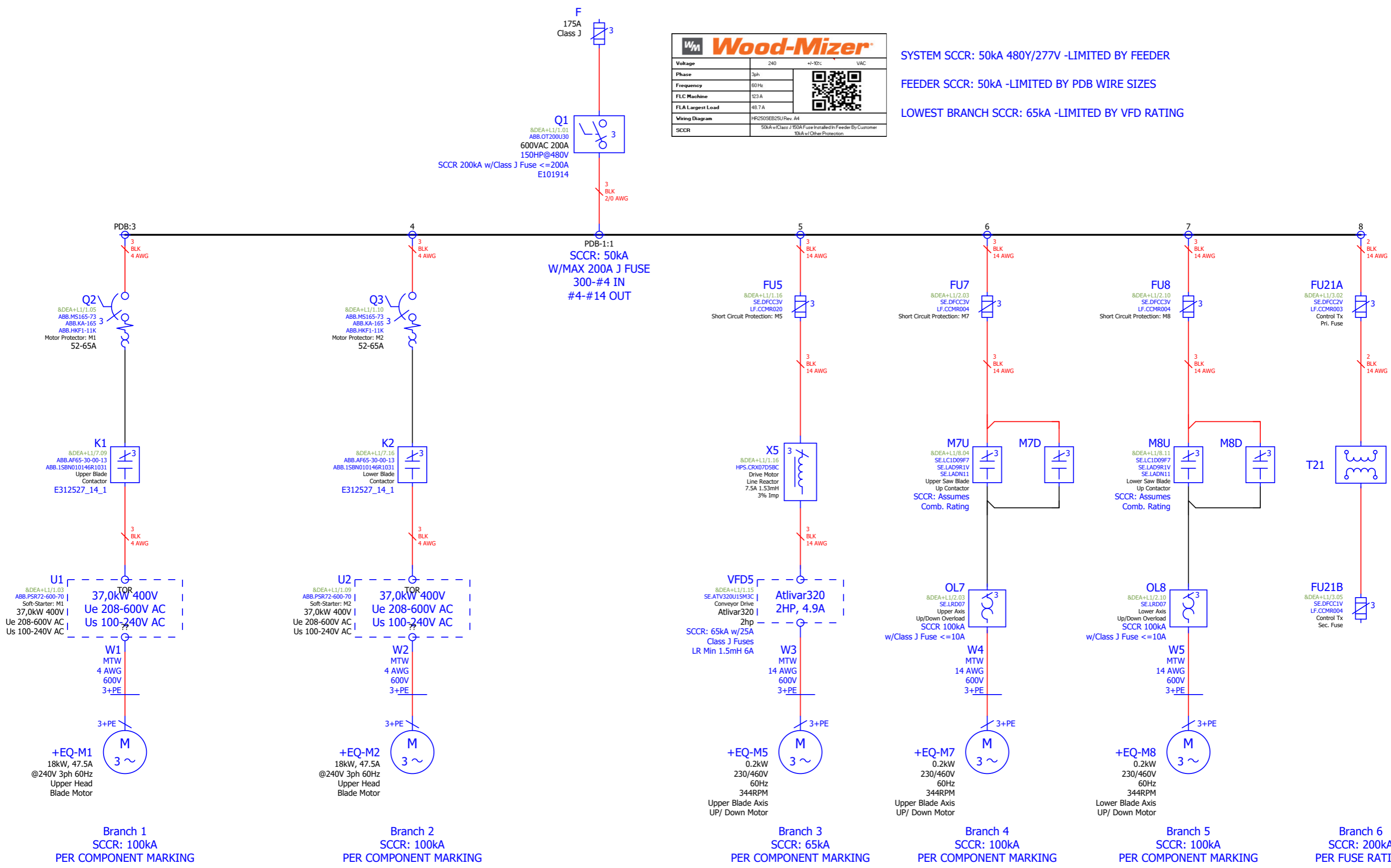
L1





- Upper Saw Blade Up Contactor
SE.LC1D09F7
1/L1 --- 2/T1 /2.203
3/L2 --- 4/T2 /2.204
5/L3 --- 6/T3 /2.204
13 --- 14
22 --- 21 /8.807
53 --- 54
61 --- 62 /5.504
- Upper Saw Blade Down Contactor
SE.LC1D09F7
1/L1 --- 2/T1 /2.206
3/L2 --- 4/T2 /2.206
5/L3 --- 6/T3 /2.207
13 --- 14
22 --- 21 /8.804
53 --- 54
61 --- 62 /5.504
- Lower Saw Blade Up Contactor
SE.LC1D09F7
1/L1 --- 2/T1 /2.210
3/L2 --- 4/T2 /2.211
5/L3 --- 6/T3 /2.211
13 --- 14
22 --- 21 /8.814
53 --- 54
61 --- 62 /5.504
- Lower Saw Blade Down Contactor
SE.LC1D09F7
1/L1 --- 2/T1 /2.213
3/L2 --- 4/T2 /2.213
5/L3 --- 6/T3 /2.214
13 --- 14
22 --- 21 /8.811
53 --- 54
61 --- 62 /5.504






Wood-Mizer	
Voltage	240 +-10% VAC
Phase	3ph
Frequency	60 Hz
FLC Machine	123 A
FLA Largest Load	48.7 A
Wiring Diagram	HR250SEB25U Rev. A4
SCCR	50kA w/Class J 150A Fuse Installed In Feeder By Customer 10kA w/ Other Protection

SYSTEM SCCR: 50kA 480Y/277V -LIMITED BY FEEDER
 FEEDER SCCR: 50kA -LIMITED BY PDB WIRE SIZES
 LOWEST BRANCH SCCR: 65kA -LIMITED BY VFD RATING

Wood-Mizer Parts List

WM_PARTS_LIST-WM_MntLoc


Device Tag	LOC	Function	Manufacturer	Wood-Mizer Part Number	Description	Qty.	X-Ref
CR5	L1	Conveyor Enable Control Relay	Schneider Electric	061418	Relay, Plug-In RXM 2CO 120VAC 12A	1	+L1/6.609
CR5	L1	=	Schneider Electric	068320	Relay Socket, 2CO Din-Mount	1	+L1/6.609
CR19	L1	Pressure Relay	Schneider Electric	068319	Relay, Plug-In RXM 2CO 24VDC 12A	1	+L1/4.406
CR19	L1	=	Schneider Electric	068320	Relay Socket, 2CO Din-Mount	1	+L1/4.406
CR22	L1	Service Relay	Schneider Electric	116711	Relay, Plug-In RXM 4CO 120VAC 12A	1	+L1/3.311
CR22	L1	=	Schneider Electric	121126	Relay Socket, 4CO Din-Mount	1	+L1/3.311
CR23	L1	Saw Blade Tension Relay	Schneider Electric	061418	Relay, Plug-In RXM 2CO 120VAC 12A	1	+L1/6.612
CR23	L1	=	Schneider Electric	068320	Relay Socket, 2CO Din-Mount	1	+L1/6.612
FU5	L1	Short Circuit Protection: M5	Schneider Electric	052380	Fuse Holder, 3P Class CC Screw Clamp	1	+L1/1.116
FU5	L1	=	Littelfuse	052691	Fuse, 20A 600V Class CC Delay	3	+L1/1.116
FU7	L1	Short Circuit Protection: M7	Schneider Electric	052380	Fuse Holder, 3P Class CC Screw Clamp	1	+L1/2.203
FU7	L1	=	Littelfuse	052713	Fuse, 4A 600V Calss CC Delay	3	+L1/2.203
FU8	L1	Short Circuit Protection: M8	Schneider Electric	052380	Fuse Holder, 3P Class CC Screw Clamp	1	+L1/2.210
FU8	L1	=	Littelfuse	052713	Fuse, 4A 600V Calss CC Delay	3	+L1/2.210
FU21A	L1	Control Tx Pri. Fuse	Schneider Electric	052512	Fuse Holder, 2P Class CC Screw Clamp	1	+L1/3.302
FU21A	L1	=	Littelfuse	052793	Class CC Fuse 3 A	2	+L1/3.302
FU21B	L1	Control Tx Sec. Fuse	Schneider Electric	052731	Fuse Holder, 1P Class CC Screw Clamp	1	+L1/3.305
FU21B	L1	=	Littelfuse	052713	Fuse, 4A 600V Calss CC Delay	1	+L1/3.305
FU22B	L1	DC PS Fuse	Schneider Electric	052731	Fuse Holder, 1P Class CC Screw Clamp	1	+L1/4.403
FU22B	L1	=	Littelfuse	052511	Fuse, 5A KLDR	1	+L1/4.403
K1	L1	Upper Blade Contactor	ABB	121377	AF65-30-00-13 100-250V50/60HZ-DC Contactor	1	+L1/7.709
K1	L1	=	ABB	121378	CA4-31EK Auxiliary Contact Block	1	+L1/7.709
K2	L1	Lower Blade Contactor	ABB	121377	AF65-30-00-13 100-250V50/60HZ-DC Contactor	1	+L1/7.716
K2	L1	=	ABB	121378	CA4-31EK Auxiliary Contact Block	1	+L1/7.716
M7D	L1	Upper Saw Blade Down Contactor	Schneider Electric	E23403	Contactor, 9A 3P 120VAC Coil	1	+L1/8.807
M7D	L1	=	Schneider Electric	116741	Contact, 1NC & 1NO Auxiliary	1	+L1/8.807
M7U	L1	Upper Saw Blade Up Contactor	Schneider Electric	E23403	Contactor, 9A 3P 120VAC Coil	1	+L1/8.804
M7U	L1	=	Schneider Electric	068091	Reversing Kit, Contactor w/ Interlock	1	+L1/8.804
M7U	L1	=	Schneider Electric	116741	Contact, 1NC & 1NO Auxiliary	1	+L1/8.804
M8D	L1	Lower Saw Blade Down Contactor	Schneider Electric	E23403	Contactor, 9A 3P 120VAC Coil	1	+L1/8.814
M8D	L1	=	Schneider Electric	116741	Contact, 1NC & 1NO Auxiliary	1	+L1/8.814
M8U	L1	Lower Saw Blade Up Contactor	Schneider Electric	E23403	Contactor, 9A 3P 120VAC Coil	1	+L1/8.811
M8U	L1	=	Schneider Electric	068091	Reversing Kit, Contactor w/ Interlock	1	+L1/8.811
M8U	L1	=	Schneider Electric	116741	Contact, 1NC & 1NO Auxiliary	1	+L1/8.811
MA	L1	Power On Control Relay A	Schneider Electric	024890	Contactor, 9A 3P 24VDC Coil	1	+L1/4.413
MB	L1	Power On Control Relay B	Schneider Electric	024890	Contactor, 9A 3P 24VDC Coil	1	+L1/4.416
MOD22	L1	Safety Module	Allen Bradley	116684	Safety Module	1	+L1/4.410
OL7	L1	Upper Axis Up/Down Overload	Schneider Electric	E23448	Overload, 1.6-2.5A	1	+L1/2.203
OL8	L1	Lower Axis Up/Down Overload	Schneider Electric	E23448	Overload, 1.6-2.5A	1	+L1/2.210
PB21B	L1	Enclosure E-STOP	Schneider Electric	068940	Pushbutton Head, 22mm E-Stop Twist-Pull	1	+L1/5.508
PB21B	L1	=	Schneider Electric	068950	Collar, Mount 1NC ZB5	1	+L1/5.508
PB21B	L1	=	Schneider Electric	068921	Contact Block, NC ZB5	1	+L1/5.508
PB21B	L1	=	Schneider Electric	050992	Legend, E-Stop, Round Yellow	1	+L1/5.508
PWS22	L1	Power Supply	MeanWell	121425	Power Supply, 90-264VAC 24VDC 120W	1	+L1/4.402
Q1	L1	Disconnect	ABB	121294	Disconnect, 200A 3Ph Non-Fused, Right Hand Mount	1	+L1/1.101
Q1	L1	=	ABB	050908-1	Shaft, 290mm Pistol Grip Disconnect	1	+L1/1.101
Q1	L1	=	ABB	050907-1	Handle, Disconnect Red/Yel Pistol Grip	1	+L1/1.101
Q1	L1	=	ABB	078515	Disconnect, Lug Kit 4-300AWG 6PK	1	+L1/1.101
Q1	L1	=	ABB	078516	Disconnect, Terminal Shroud OT200 Shrt 3PK	1	+L1/1.101
Q2	L1	Motor Protector: M1	ABB	121380	MS165-73 Manual Motor Starter	1	+L1/1.105
Q2	L1	=	ABB	121381	MS-165 Line Barrier	1	+L1/1.105
Q2	L1	=	ABB	121382	HKF1-11K Auxiliary Contact	1	+L1/1.105
Q3	L1	Motor Protector: M2	ABB	121380	MS165-73 Manual Motor Starter	1	+L1/1.110
Q3	L1	=	ABB	121381	MS-165 Line Barrier	1	+L1/1.110
Q3	L1	=	ABB	121382	HKF1-11K Auxiliary Contact	1	+L1/1.110
T21	L1	Transformer	Hammond Power Solutions	121124	Transformer, 350VA 240x480-120x240	1	+L1/3.304
U1	L1	Soft-Starter: M1	ABB	121379	PSR72-600-70 Softstarter	1	+L1/1.103
U2	L1	Soft-Starter: M2	ABB	121379	PSR72-600-70 Softstarter	1	+L1/1.109

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Parts List	
Mounting Location:	&DEA+DOC/C1	Type: Parts list	
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Next pg:	C2	Total Pgs:	28

Terminal line-up diagram

Terminal strip +OP-X0


Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB:40	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/3.14
TB:39	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/3.14
TB:38	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/3.05
TB:37	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/3.07
TB:36	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/3.05
TB:35	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/3.16
TB:34	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.16
TB:33	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.12
TB:32	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.12
TB:31	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.14
TB:30	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/7.02
TB:29	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/7.02
TB:28	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/7.10
TB:27	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/7.10
TB:26	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.05
TB:25	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.06
TB:24	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.06
TB:23	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/6.03
TB:22	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/8.04
TB:21	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/8.07
TB:20	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/8.11
TB:19	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/8.14
TB:18	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/5.08
TB:17	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/5.08
TB:16	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/5.10
TB:15	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/5.10
TB:14	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/4.18
TB:13	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/4.18
TB:12	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.04
TB:11	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.06
TB:10	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.08
TB:9	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.10
TB:8	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.13
TB:7	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.15
TB:6	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.17

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Terminal Lineup Diagram	
Mounting Location:	&DEA+DOC/D1	Type: Terminal line-up diagram	
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		Next pg:	D2
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Terminal line-up diagram

Terminal strip +OP-X0


Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB:5	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/9.19
TB:4	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/5.16
TB:3	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/5.17
TB:2	0	068100	Terminal Block, 2Pos 1.5mm Clamp	•				&DEA+L1/5.18
GND	0	068101	Terminal Block, 2pos 1.5mm GND Clamp	•				&DEA+L1/5.19

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Terminal Lineup Diagram	
Mounting Location:	&DEA+DOC/D2	Type: Terminal line-up diagram	
Prev. pg:	D1	Page:	D2
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Terminal line-up diagram


Terminal strip +L1-X1

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB:1	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/3.14
TB:2	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/6.19
TB:3	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/4.02
TB:4	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/7.07
TB:5	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/8.11
TB:6	0	068100	Terminal Block, 2Pos 1.5mm Clamp			068102		&DEA/7.05
TB:8	0	068100	Terminal Block, 2Pos 1.5mm Clamp			068102		&DEA/7.12
TB:7	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/7.05
TB:9	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●		068102		&DEA/7.12
TB:10	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/7.12
TB:11	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/6.05
TB:12	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/6.08
TB:13	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/6.08
TB:14	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/6.03
TB:15	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/8.04
TB:16	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/8.04
TB:17	0	068100	Terminal Block, 2Pos 1.5mm Clamp			068102		&DEA/8.04
TB:18	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/8.07
TB:19	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/8.07
TB:20	0	068100	Terminal Block, 2Pos 1.5mm Clamp			068102		&DEA/8.07
TB:21	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/8.11
TB:22	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/8.11
TB:23	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/8.11
TB:24	0	068100	Terminal Block, 2Pos 1.5mm Clamp			068102		&DEA/8.11
TB:25	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/8.14
TB:26	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/8.14
TB:27	0	068100	Terminal Block, 2Pos 1.5mm Clamp			068102		&DEA/8.14
TB:28	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/3.14
TB:29	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/3.05
TB:30	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/3.07
TB:31	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/3.09
TB:32	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/3.16
TB:33	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/6.16
TB:34	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/6.19
TB:35	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/6.12

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Terminal Lineup Diagram	
Mounting Location:	&DEA+DOC/D3	Type: Terminal line-up diagram	
Prev. pg:	D2	Page:	D3
		Next pg:	D4
		Total Pgs:	28

Terminal line-up diagram


Terminal strip +L1-X1								
Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB:36	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/6.13
TB:37	0	068100	Terminal Block, 2Pos 1.5mm Clamp			068102		&DEA/6.12
TB:38	0	068100	Terminal Block, 2Pos 1.5mm Clamp					&DEA/6.14

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Terminal Lineup Diagram	
Mounting Location:	&DEA+DOC/D4	Type: Terminal line-up diagram	
Prev. pg:	D3	Page:	D4
		Next pg:	D5
		Total Pgs:	28

Terminal line-up diagram

Terminal strip +L1-X2

Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB:1	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮		068102		&DEA/4.06
TB:2	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/4.07
TB:3	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/4.07
TB:4	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/4.09
TB:5	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮		068102		&DEA/4.09
TB:6	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/4.13
TB:7	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/5.08
TB:8	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/5.08
TB:9	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/5.08
TB:10	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/5.08
TB:11	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮		068102		&DEA/4.14
TB:12	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/5.10
TB:13	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/5.10
TB:14	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/5.10
TB:15	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/5.10
TB:16	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮		068102		&DEA/4.15
TB:17	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/4.18
TB:18	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/4.20
TB:19	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮		068102		&DEA/4.18
TB:20	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/9.04
TB:21	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/9.04
TB:22	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/9.06
TB:23	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/9.07
TB:24	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮		068102		&DEA/9.08
TB:25	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/9.10
TB:26	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/9.13
TB:27	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/9.13
TB:28	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●	068113	068102		&DEA/9.15
TB:29	0	068100	Terminal Block, 2Pos 1.5mm Clamp	●				&DEA/9.16
TB:30	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮		068102		&DEA/9.17
TB:32	0	068101	Terminal Block, 2pos 1.5mm GND Clamp	⋮				&DEA/5.19
TB:31	0	068100	Terminal Block, 2Pos 1.5mm Clamp	⋮				&DEA/9.19

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Terminal Lineup Diagram	
Mounting Location:	&DEA+DOC/D5	Type: Terminal line-up diagram	
Prev. pg:	D4	Page:	D5
		Next pg:	E1
		Total Pgs:	28

VFD Parameters			
ATV320U15M3C			
Parameter	Description	Default	Set
TCC	2 / 3 wire control	2 wire	2 wire
CFG	Macro config selection	Start/Stop	Start/Stop
BFR	Std. motor frequency	50Hz IEC	60Hz NEMA
IPL	Stop type - I/P phase loss	Freewheel	Freewheel
NPR	Rated motor power	2 HP	2 HP
UNS	Nominal motor voltage	230 V	240 V
NCR	Nominal motor current	8.8 A	5.8 A
FRS	Nominal motor frequency	60 Hz	60 Hz
NSP	Nominal motor speed	1715 rpm	1680 rpm
TFR	Max. output frequency	72 Hz	80 Hz
STUN	Tune selection	Default	Default
ITH	Motor thermal current	8.8 A	5.8 A
ACC	Acceleration ramp time	3 s	3.5 s
DEC	Deceleration ramp time	3 s	2.5 s
LSP	Low speed	0 Hz	0 Hz
HSP	High Speed	60 Hz	60 Hz




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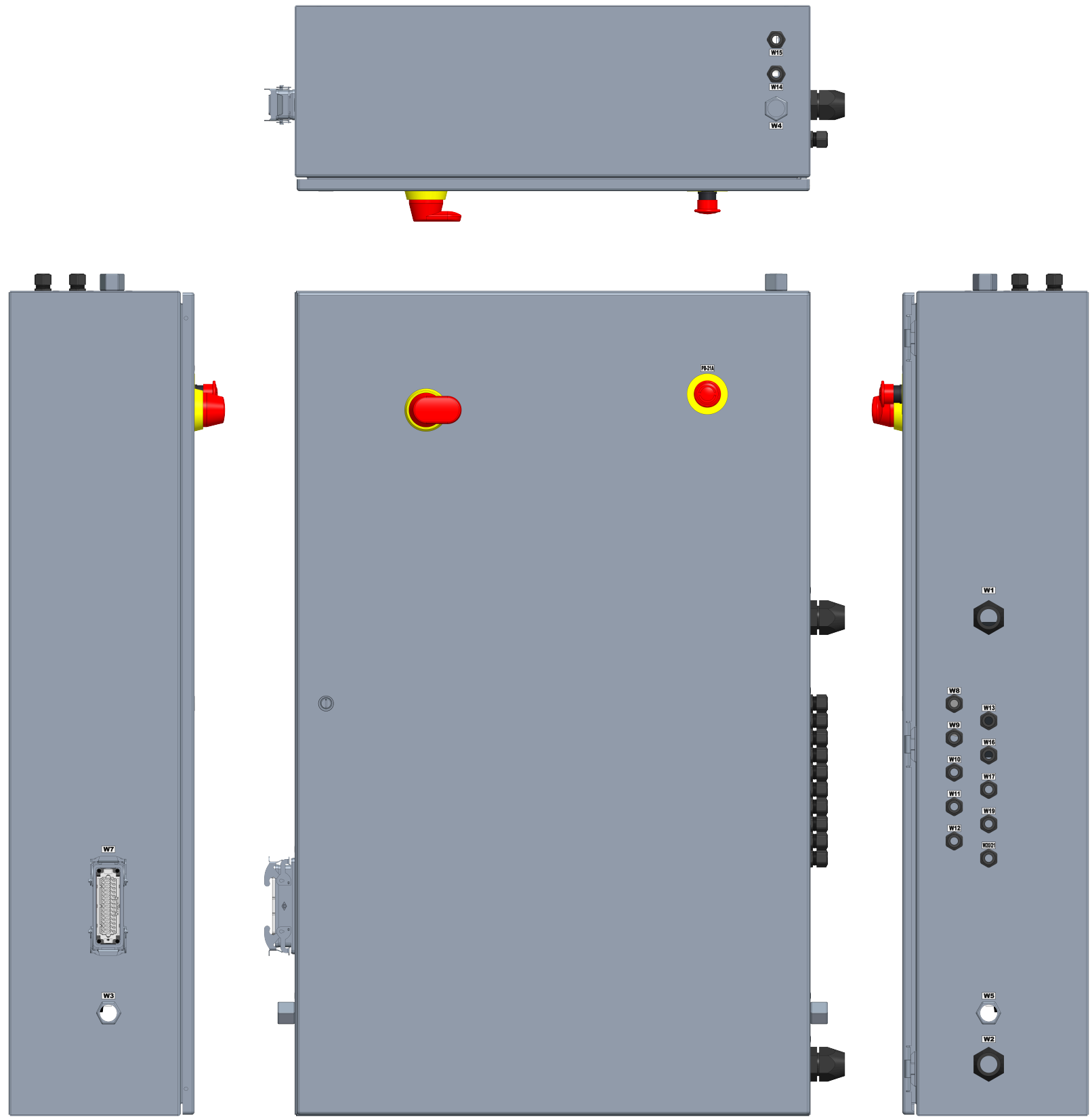
Project Description: HR250SEB25U WMLLC


Revision:	A4	Pg Desc:	Drive Parameters
Mounting Location:	&DEA+DOC/E1	Type:	Graphic
Prev. pg:	D5	Page:	E1
		Next pg:	E2
		Total Pgs:	28

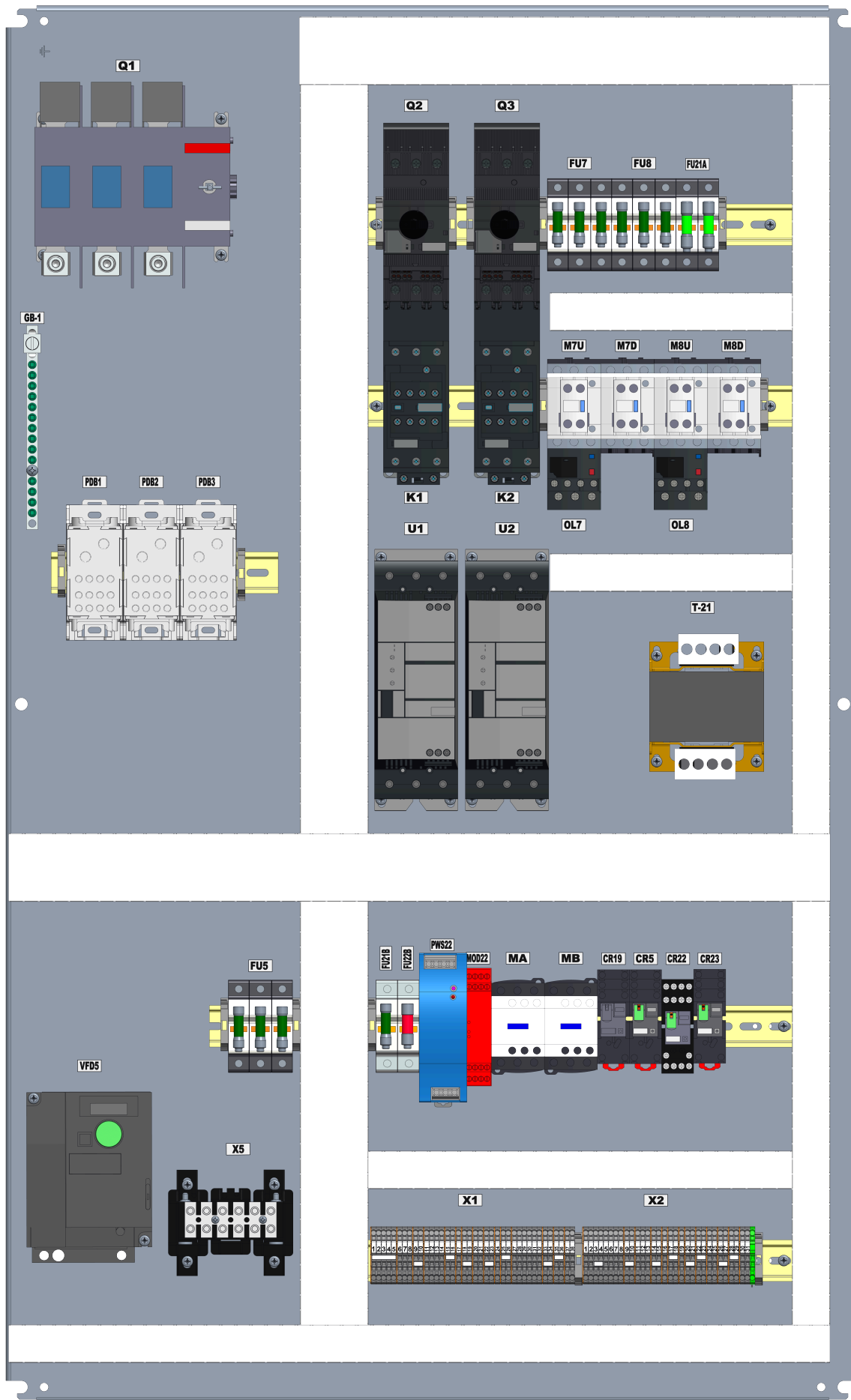
Cable Overview

Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
W1	121274	Cable Assy, HR250SEB, Upper Blade Motor	+L1/1.105
W2	121275	Cable Assy, HR250SEB, Lower Blade Motor	+L1/1.110
W3	121276	Cable Assy, HR 150/250, M5, Belt Motor	+L1/1.116
W4	121277	Cable Assy, HR250S, Upper Axis Lift Motor	+L1/2.203
W5	121278	Cable Assy, HR150S/250S, M2 Up/Down	+L1/2.210
W6	N/A	Cable, Enclosure E-Stop	+L1/5.506
W7.2	121280	Cable Assy, HR250S, Operator Console	+L1/9.903
W7.3	121280	Cable Assy, HR250S, Operator Console	+L1/9.912
W7.4	121280	Cable Assy, HR250S, Operator Console	+L1/5.516
W7.11	121115	Cable Assy, HR250S Operator Bulkhead	+L1/3.305
W7.12	121280	Assy, Cable, Operator Control	+L1/3.304
W7.21	121115	Cable Assy, HR250S Operator Bulkhead	+L1/9.904
W7.22	121273	Cable Assy, HR250S Operator Control	+L1/9.904
W7.31	121115	Cable Assy, HR250S Operator Bulkhead	+L1/9.913
W7.32	121273	Cable Assy, HR250S Operator Control	+L1/9.913
W7.41	121115	Cable Assy, HR250S Operator Bulkhead	+L1/5.516
W7.42	121273	Cable Assy, HR250S Operator Control	+L1/5.516
W8	121281	Cable, Pressure Switch	+L1/4.404
W9	121284	Cable, Upper Blade Down LS	+L1/8.806
W10	121283	Cable, Upper Blade Up LS	+L1/8.803
W11	121282	Cable, Head Spacing Switch	+L1/8.809
W12	121285	Cable, Lower Blade Up LS	+L1/8.810
W13	121286	Cable, Lower Blade Down LS	+L1/8.813
W14	121287	Cable Assy, HR250S Upper Blade Sensor A	+L1/9.904
W15	121288	Cable Assy, HR250S Upper Blade Sensor B	+L1/9.908
W16	121289	Cable Assy, HR250S Lower Blade Sensor A	+L1/9.913
W17	121290	Cable Assy, HR250S Lower Blade Sensor B	+L1/9.917
W19	121291	Cable, Outfeed E-Stop	+L1/5.506
W20	121292	Cable, Tension Solenoid	+L1/6.619
W21	121279	Cable, Lubricating Solenoid	+L1/4.409





		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Cable Overview	
Mounting Location:	&DEA+DOC/E2	Type: Cable overview	
Prev. pg:	E1	Page:	E2
Next pg:	G1	Total Pgs:	28








 Wood-Mizer®	
Project Description: HR250SEB25U WMLLC	
Revision: A4	Pg Desc: ENC Layout
Mounting Location: &DEA+DOC/G1	Type: Panel layout
Prev. pg: E2	Page: G1
Next pg: G2	Total Pgs: 28



Wood-Mizer


I O II

SS21


LPB21

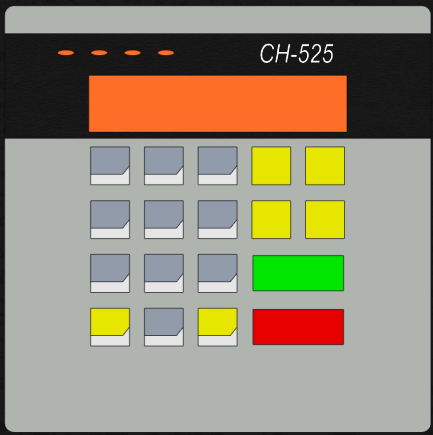

POT5

PB5


LPB5






LSS23

LT19

DP7

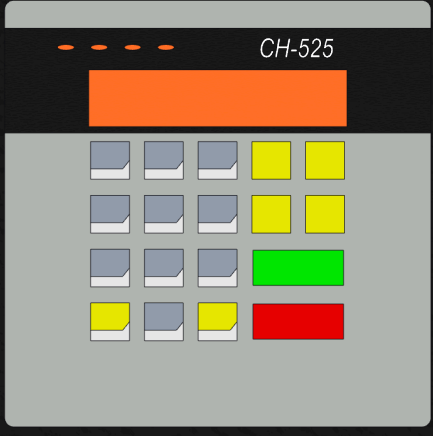
CH-525








PB1

PB7U

LPB1

PB7D

DP8


CH-525

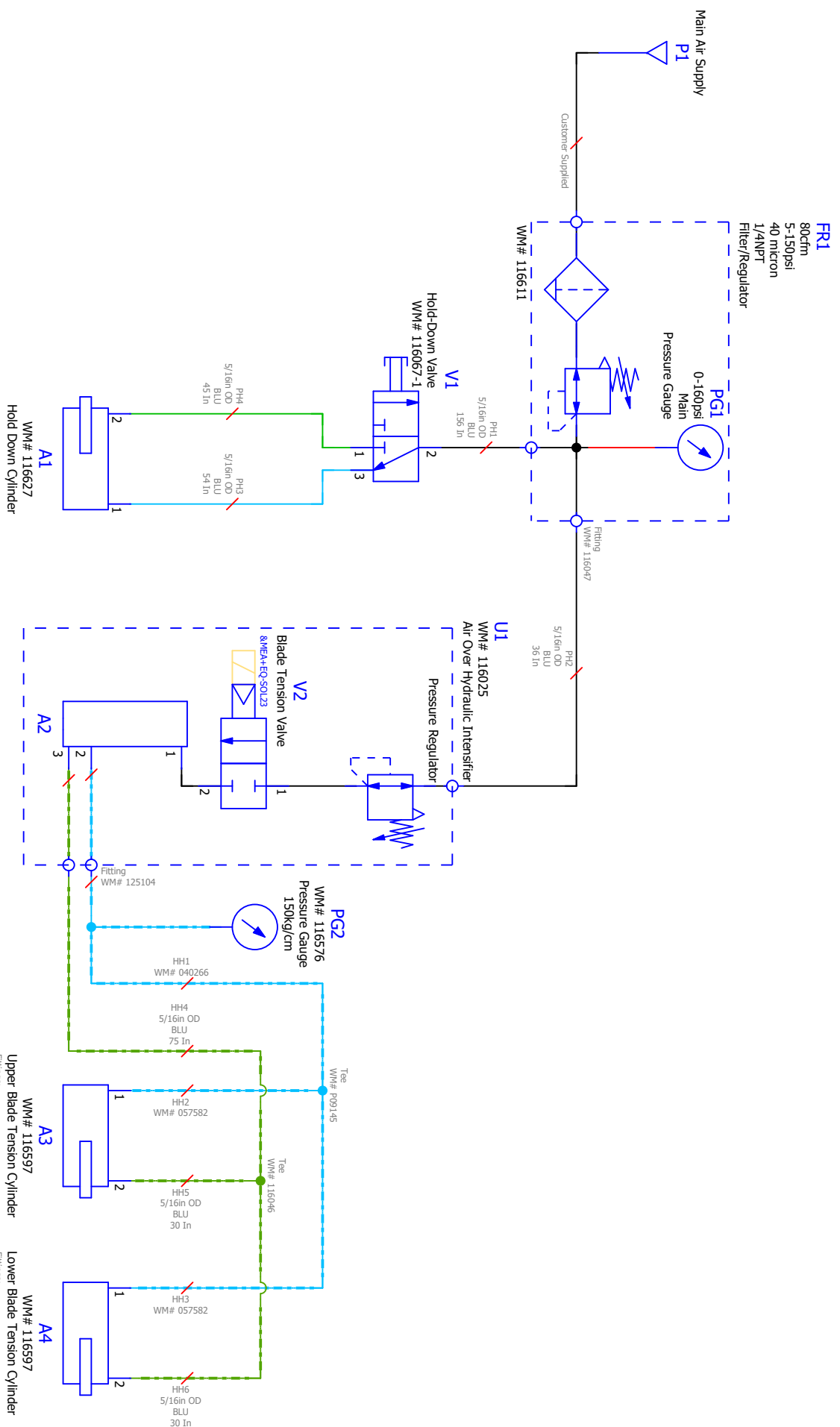



PB2

PB8U

LPB2

PB8D

Revision History

Date	Revision	Revision Record	Drawn By	Checked By
08/29/24	A4	Release to production	SDC	MAM

		Wood-Mizer®	
Project Description: HR250SEB25U WMLLC			
Revision:	A4	Pg Desc: Revision History	
Mounting Location:	&DPHA/B1	Type: Overview	
Prev. pg:	DEA+DOC/G3	Page: B1	Next pg: +EQ/1 Total Pgs: 28



Tubing Legend

PH:	Pneumatic Pressure
PH:	Actuator Pressure
PH:	Actuator Return
HH:	Hydraulic Pressure
HH:	Actuator Pressure
HH:	Actuator Return

WM

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Project Description: HR250SEB25U WMLLC

Revision: A4

Mounting Location: &DPHA+EQ/1

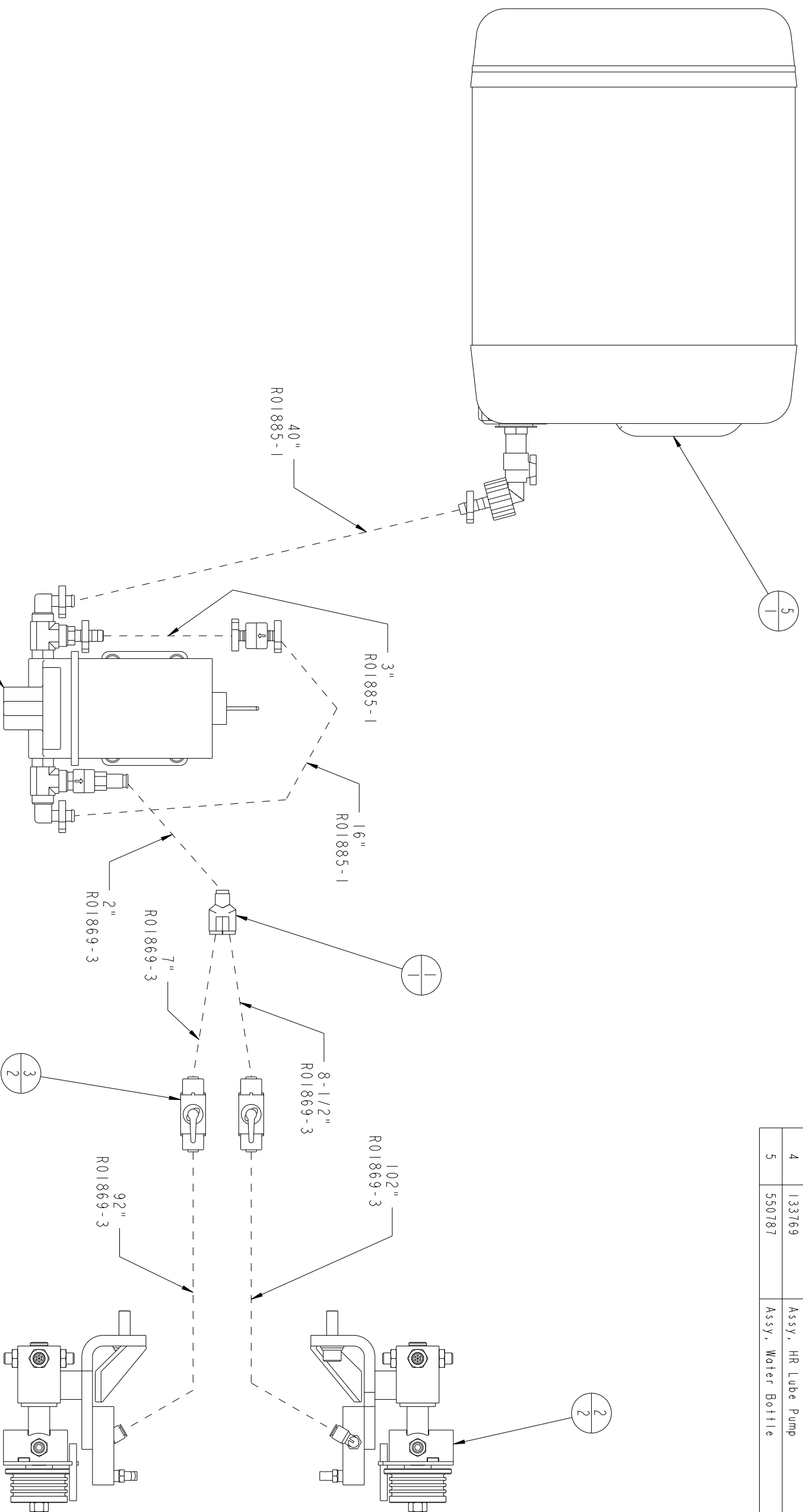
Prev. pg: +/B1 **Page:** &DPHA+EQ/1 **Next pg:**

Pg Desc: Pneumatics/Hydraulics Pg 1

Type: Fluid power schematic

Total Pgs: 28

ITEM	PART NUMBER	DESCRIPTION	QTY
1	042546	Union, 1/4" Tubing Y Push-In	1
2	130435	Assy, IS Blade Guide	2
3	133760	Valve, 1/4" PVC Manual Ball	2
4	133769	Assy, HR Lube Pump	1
5	550787	Assy, Water Bottle	1



TOLERANCES UNLESS NOTED

Wood-Mizer Products, Inc.

8180 W. 10th, Indianapolis, In 46214-2400 (317) 271-1542
 8829 East State Rd. 46, Greensburg, In 47240-7449 (812) 663-5257

xxx ±.005	SHEET	SCALE	DATE	DESIGNED	DRAWN	CHECKED
.xx ±.010	1 of 1	0.250	9/13/2024	RTL	RTL	---
HOLES ±.010						
FRACT ±.000						
ANGLE ± 1/2°						
GRIND #6						

DESCRIPTION: **Assy, HR250 Lube**

NUMBER: **LUBE_SYS**

REVISION: **1**