

APPENDIX A ELECTRICAL INFORMATION

EG300EC25U (U.S. Only) Rev. B4.00+

WM TableOfContents

EG3007

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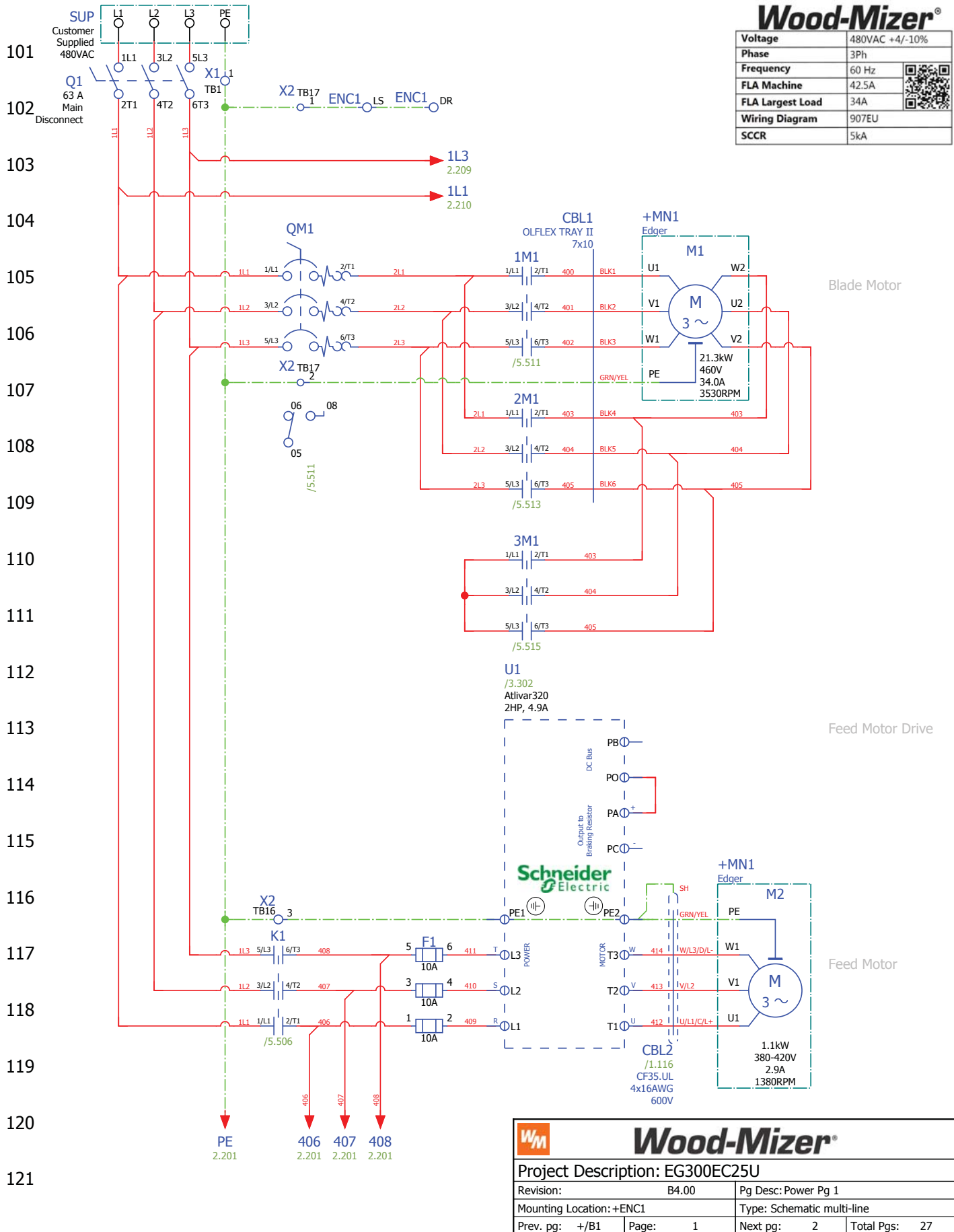
Revision History

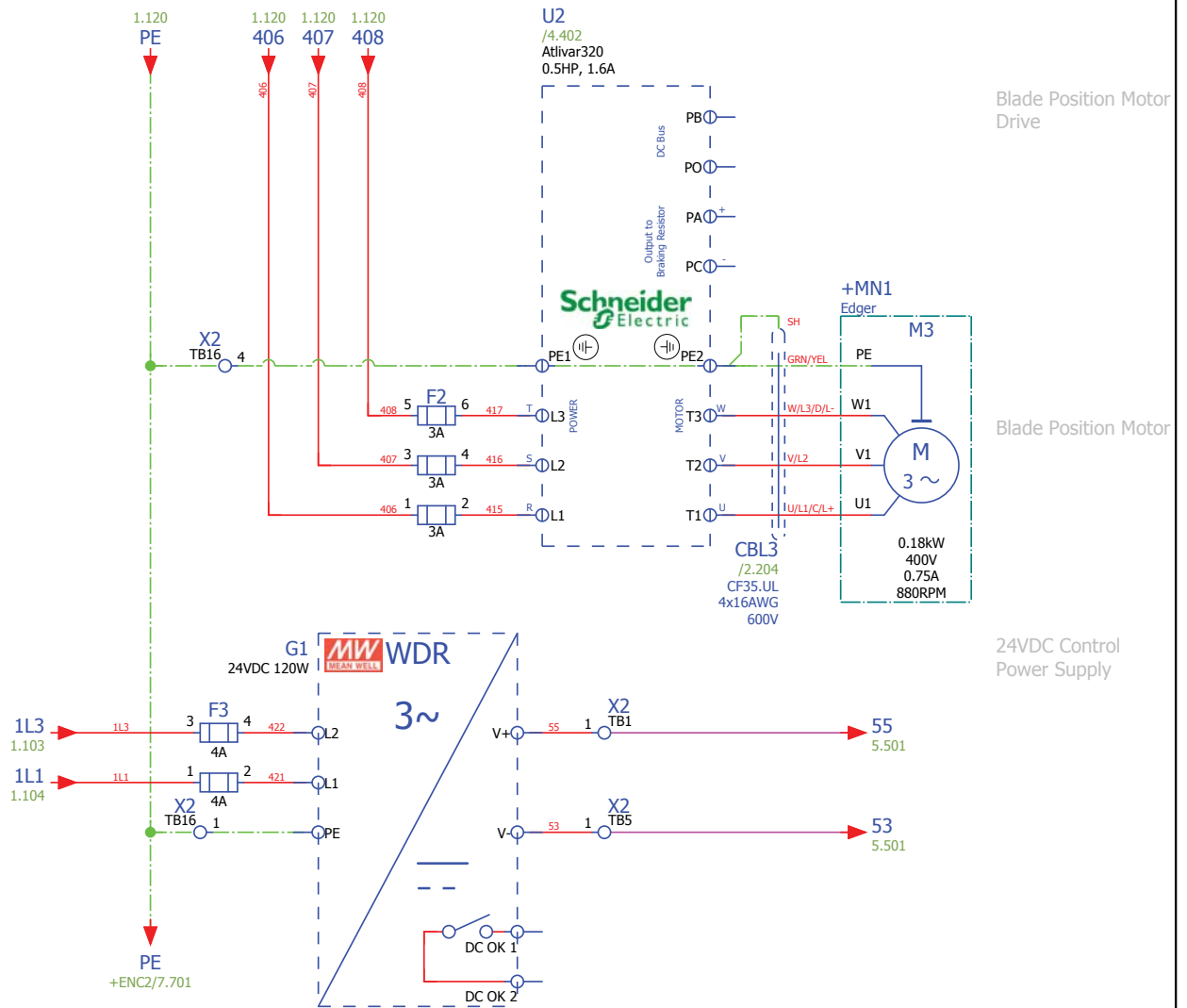
Date	Revision	Revision Record	Drawn By	Checked By
11/18/16	B3.00	Power Supply Change, Setworks PLC Change	JRF	SDC
06/05/17	B4.00	Changed U1 & U2 to Altivar 320 Series from Altivar 312 Series. CBL2 & CBL3 Changed due to Altivar Grounding Termination.	SDC	JRF

		Wood-Mizer®	
Project Description: EG300EC25U			
Revision: B4.00		Pg Desc: Revision History	
Mounting Location: +		Type: Overview	
Prev. pg: A1	Page: B1	Next pg: +ENC1/1	Total Pgs: 27

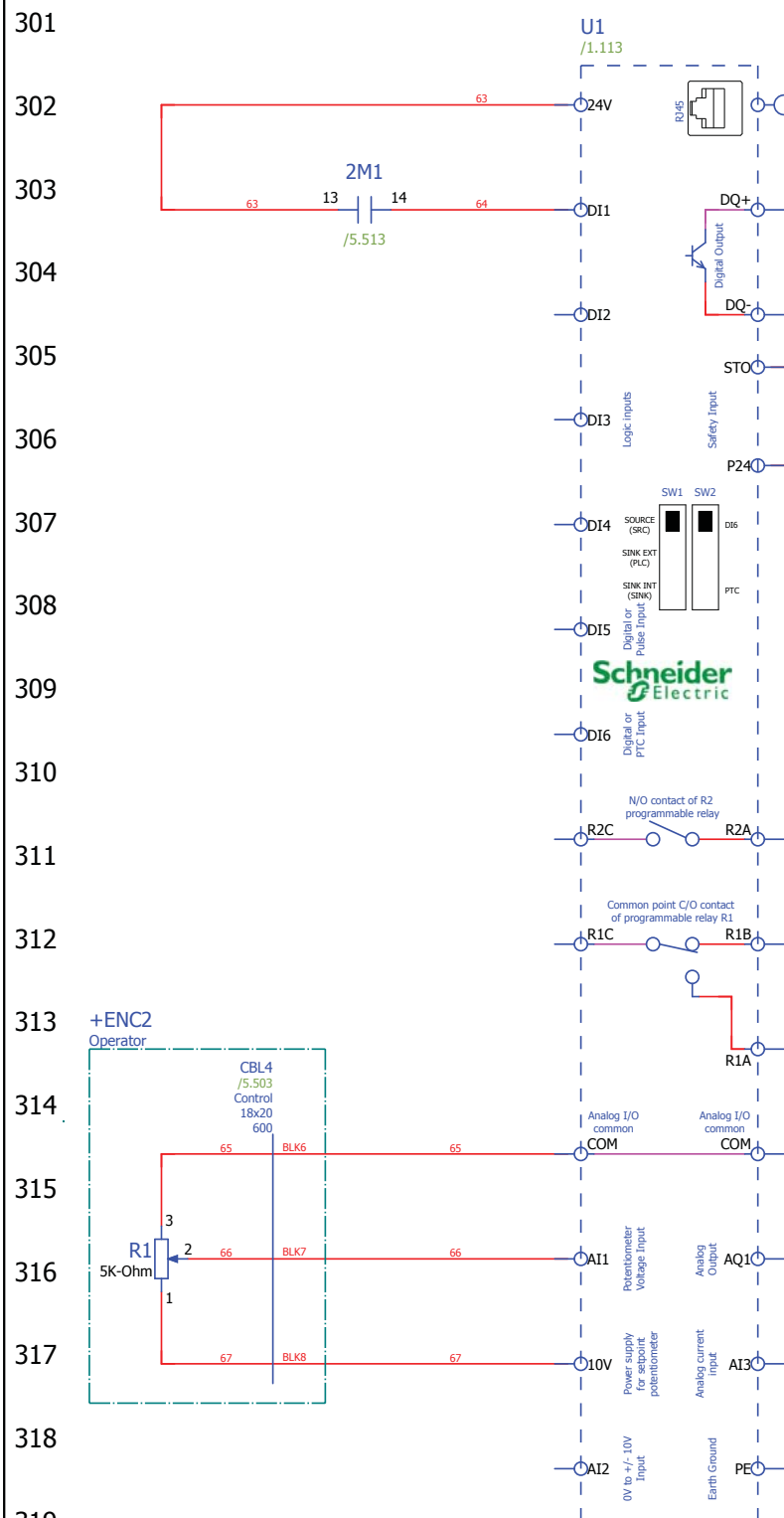
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Voltage	480VAC +4/-10%
Phase	3Ph
Frequency	60 Hz
FLA Machine	42.5A
FLA Largest Load	34A
Wiring Diagram	907EU
SCCR	5kA





 Wood-Mizer®			
Project Description: EG300EC25U			
Revision:	B4.00	Pg Desc: Power Pg 2	
Mounting Location:	+ENC1	Type: Schematic multi-line	
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		Total Pgs:	27



Feed Forward
Control

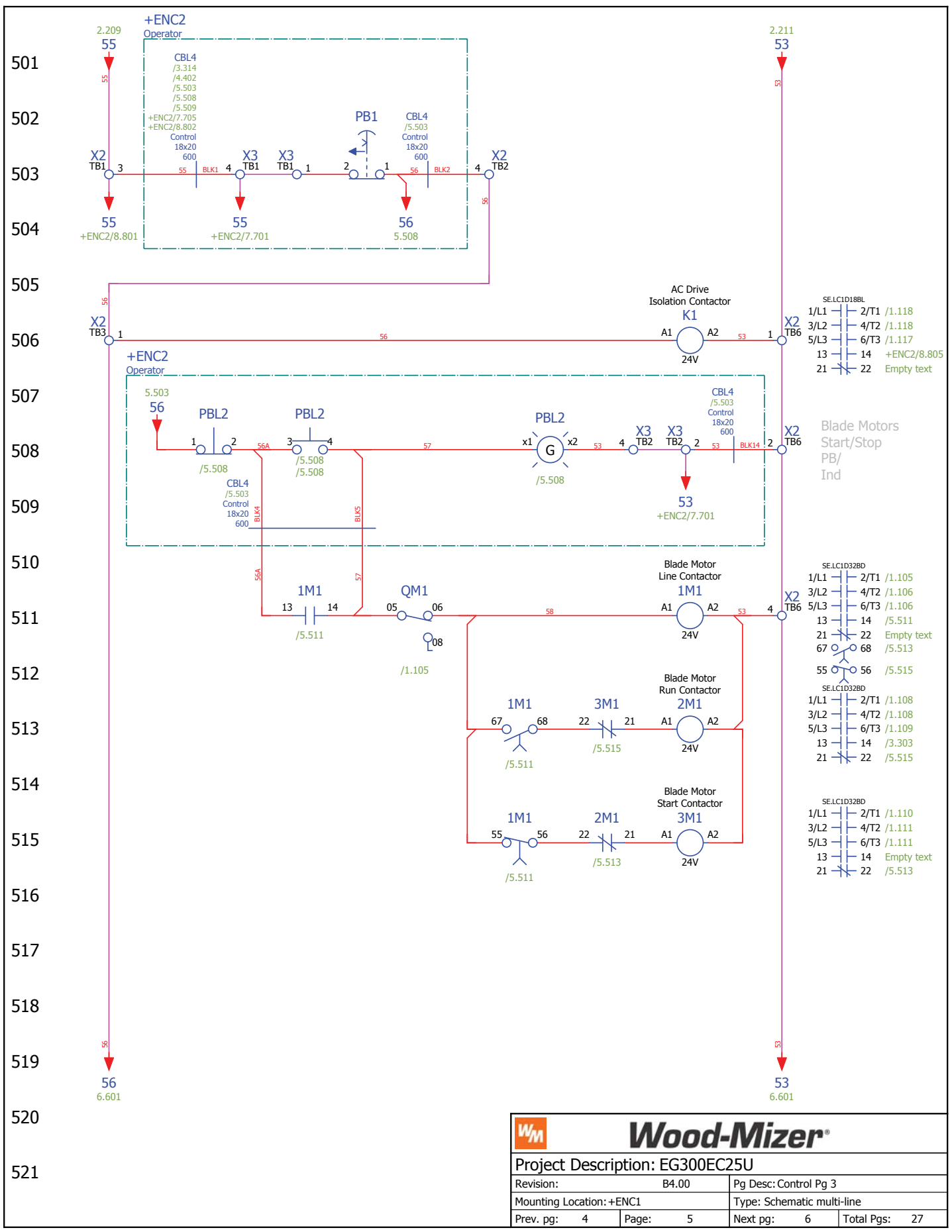
Feed Speed
Potentiometer

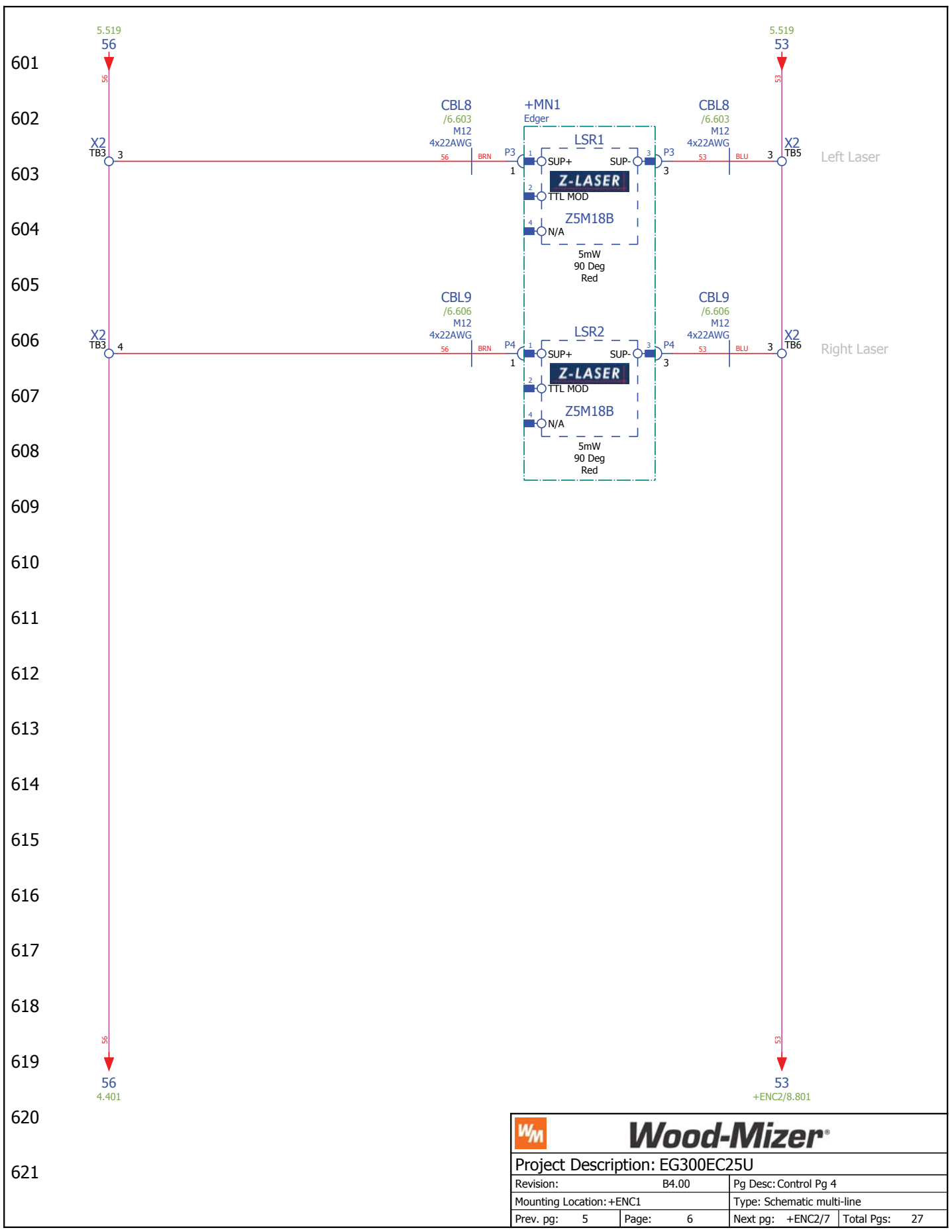


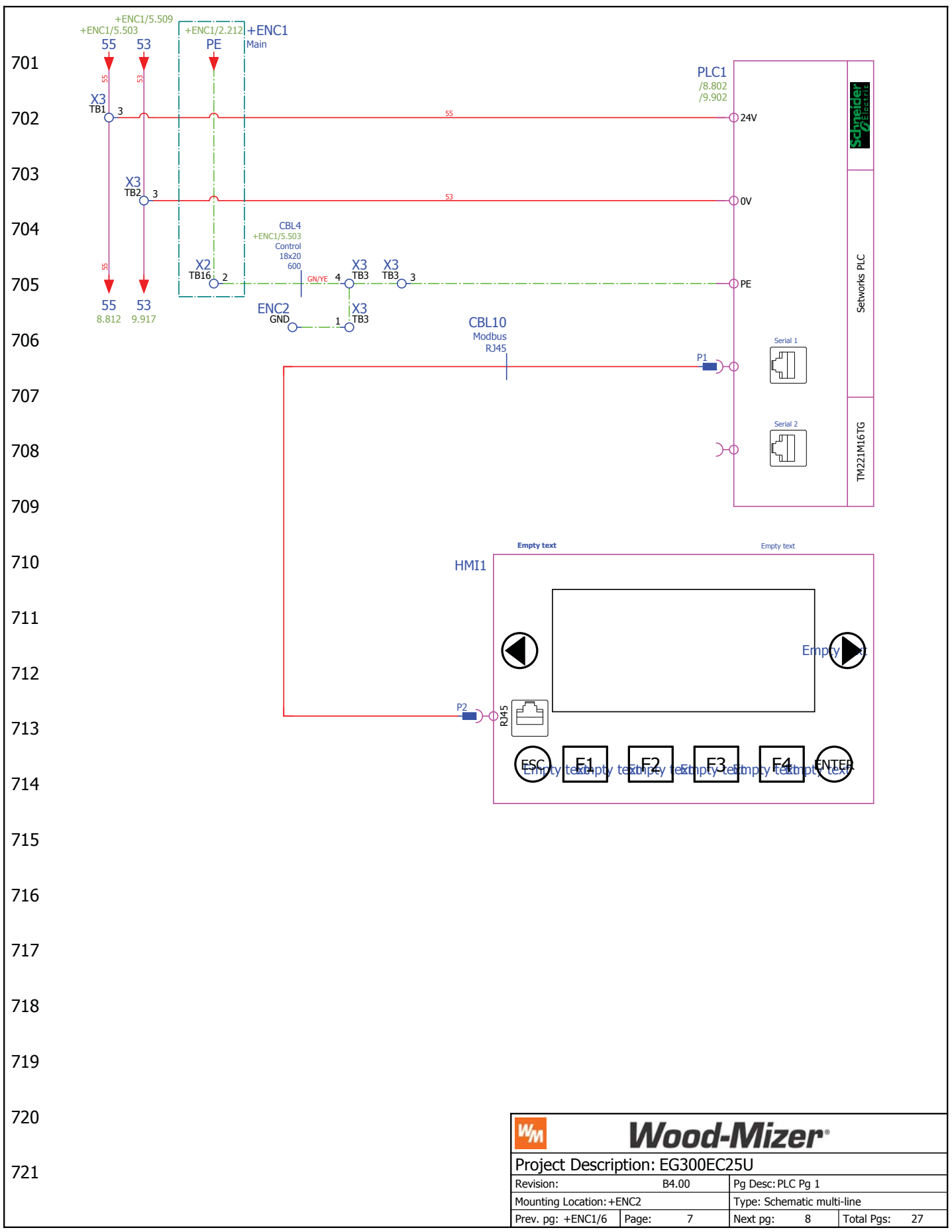
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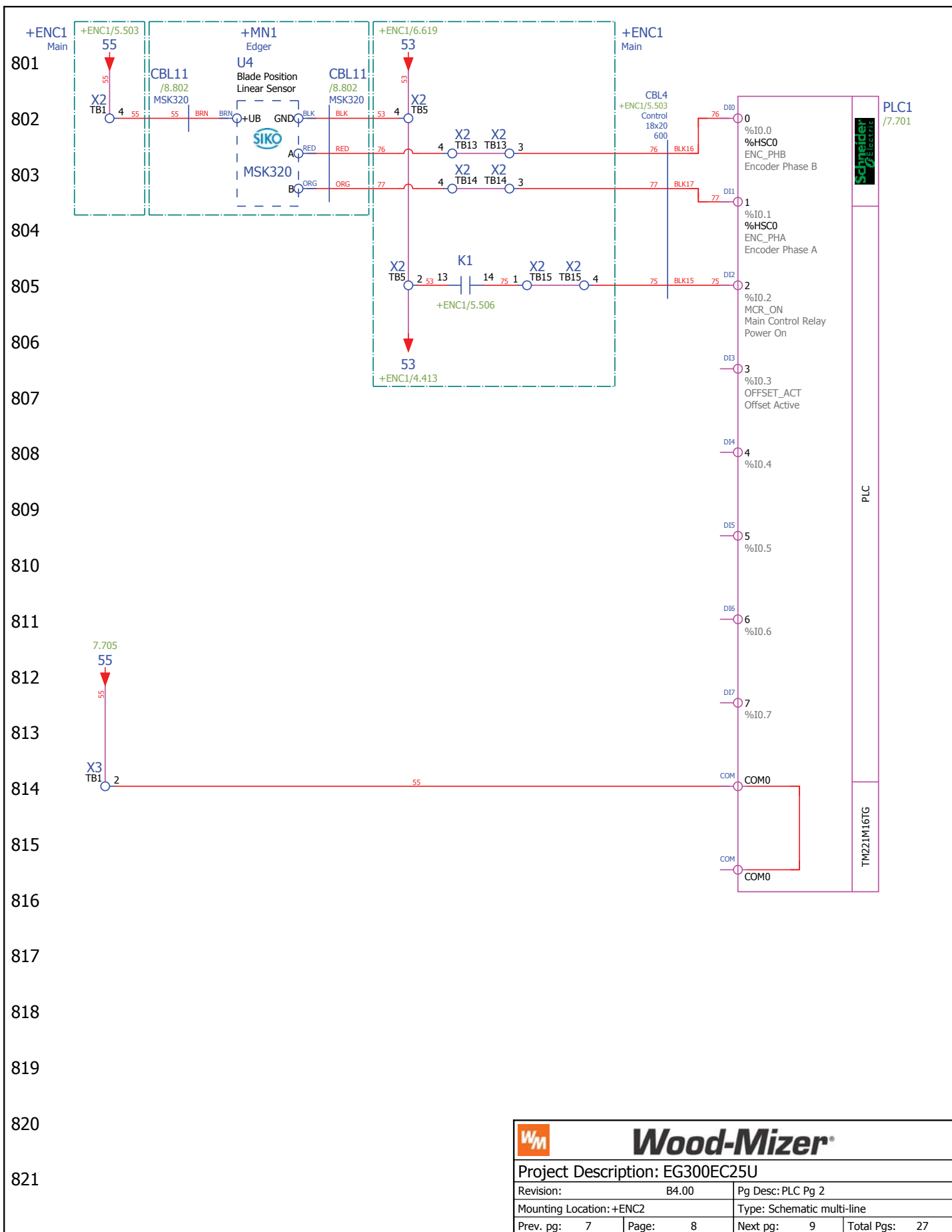
Project Description: EG300EC25U

Revision:	B4.00	Pg Desc: Control Pg 1
Mounting Location: +ENC1	Type: Schematic multi-line	
Prev. pg: 2	Page: 3	Next pg: 4
	Total Pgs: 27	

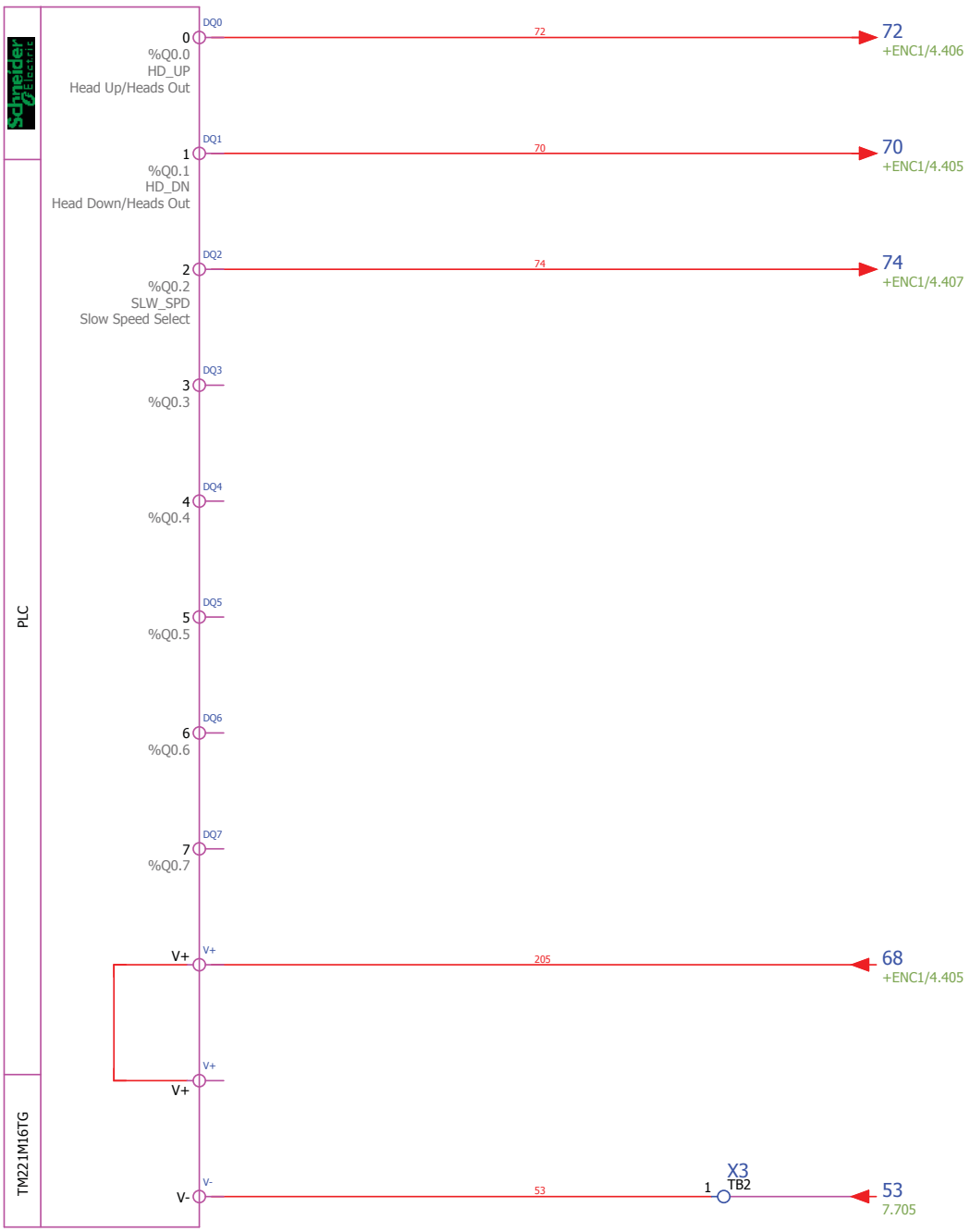








PLC1
/7.701



WM PARTS LIST-Manual

 Wood-Mizer®	
Project Description: EG300EC25U	
Revision: B4.00	Pg Desc: Parts list
Mounting Location: +Docs	
Prev. pg: +ENC2/9	Page: C1 Next pg: D1 Total Pgs: 27

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +ENC1-ENC1								
Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
DR								/1.02
LS								/1.02

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +ENC1-X1							
Terminal				Jumper		End Plate	Remark
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N	
TB1		068111	Terminal Block, 2 Pos 16mm GND Clamp	I		068112	/1.02

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +ENC1-X2

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	┆				/2.09
TB2		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper Is Trimmed Down To 2 Position Jumper Between TB2-3	/5.03
TB3		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●				/5.06
TB4		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●				/4.06
TB5		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●	068113		Jumper Is Trimmed Down To 2 Position Jumper Between TB4-5	/2.11
TB6		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●				/5.06
TB7		068103	Terminal Block, 4Pos 1.5mm Com Clamp	●				/4.15
TB8		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆				/4.02
TB9		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆				/4.03
TB10		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆				/4.03
TB11		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆				/4.05
TB12		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆				/4.05
TB13		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆				+ENC2/8.03
TB14		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆				+ENC2/8.03
TB15		068103	Terminal Block, 4Pos 1.5mm Com Clamp	┆		068105		+ENC2/8.05
TB16		068104	Terminal Block, 4Pos 1.5mm GND Clamp	┆		068105		/1.16
TB17		068107	Terminal Block, 2Pos 4mm GND Clamp	┆		068108		/1.02

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Project Description: EG300EC25U			
Revision: B4.00		Pg Desc: Terminal line-up diagram	
Mounting Location: +Docs		Type: Terminal line-up diagram	
Prev. pg: D2	Page: D3	Next pg: D4	Total Pgs: 27

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

Terminal strip +ENC2-ENC2							
Terminal				Jumper		End Plate	Remark
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N	
GND							/7.06

Terminal line-up diagram

Wood-Mizer_Terminal_Lineup_Diagram

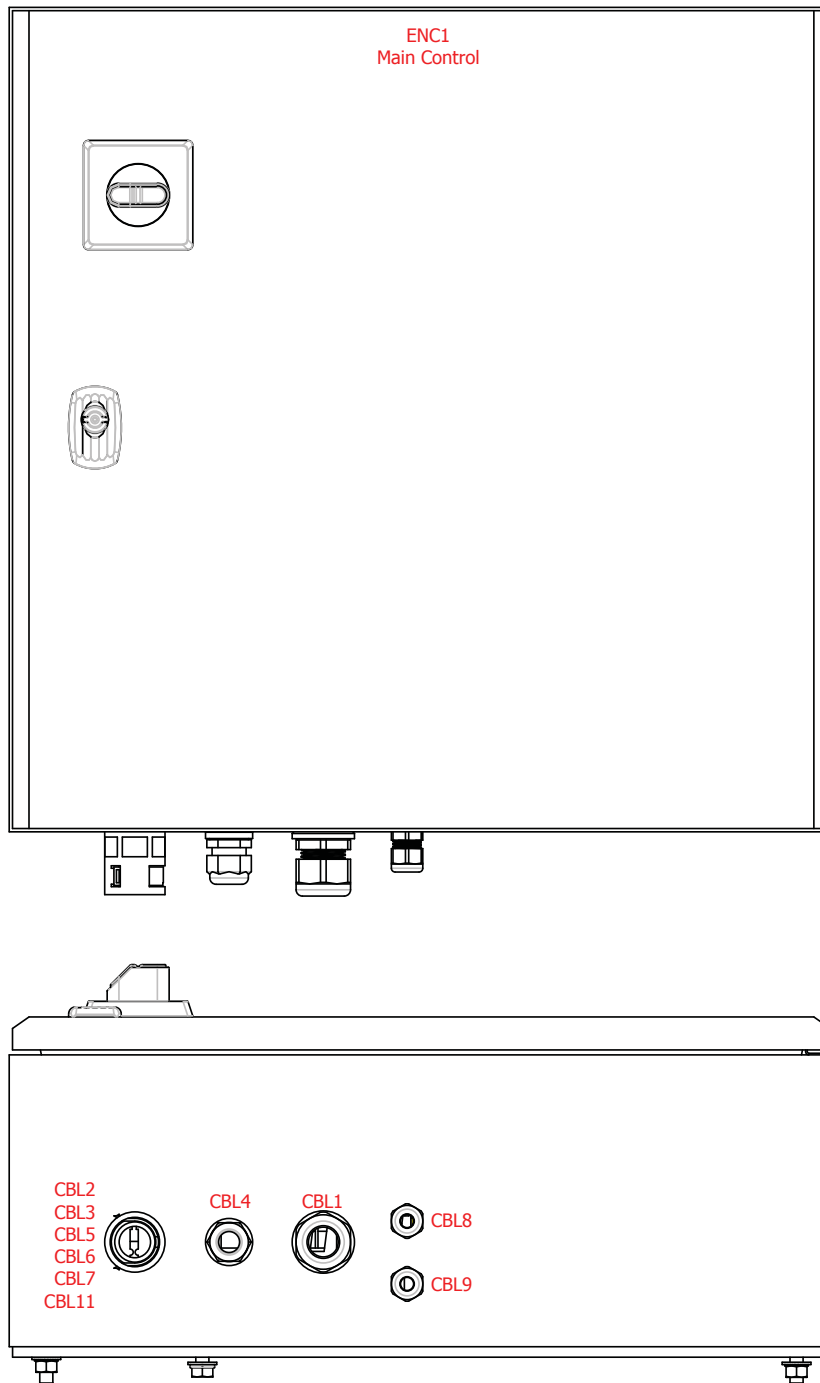
Terminal strip +ENC2-X3								
Terminal				Jumper		End Plate	Remark	Terminal X-Ref
Ref. Des.	Level	P/N	Description	Diagram	P/N	P/N		
TB1		068103	Terminal Block, 4Pos 1.5mm Com Clamp	I				+ENC1/5.03
TB2		068103	Terminal Block, 4Pos 1.5mm Com Clamp	I		068105		+ENC1/5.08
TB3		068104	Terminal Block, 4Pos 1.5mm GND Clamp	I		068105		/7.05

Cable Overview

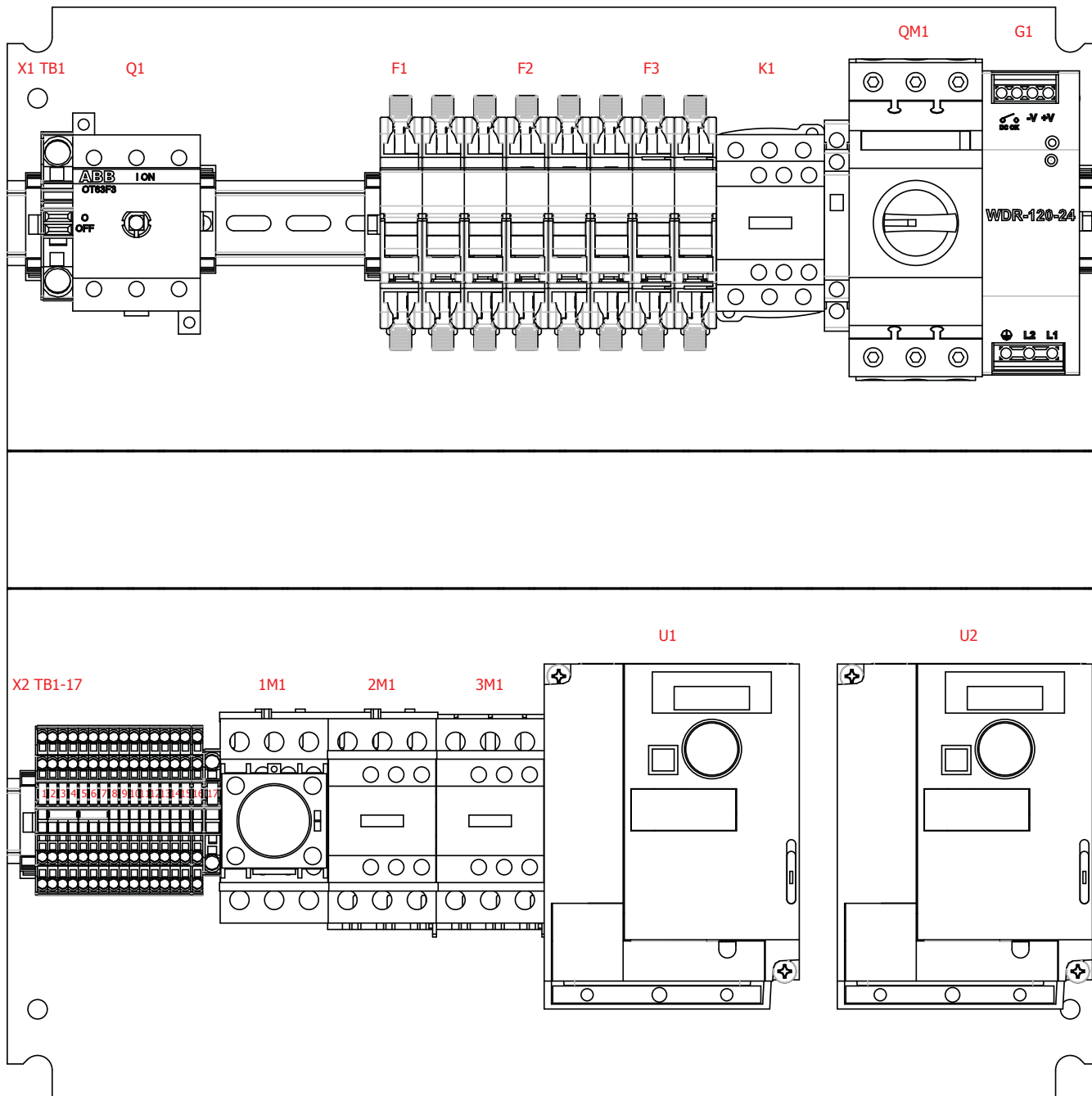
Wood-Mizer_Cable_Overview

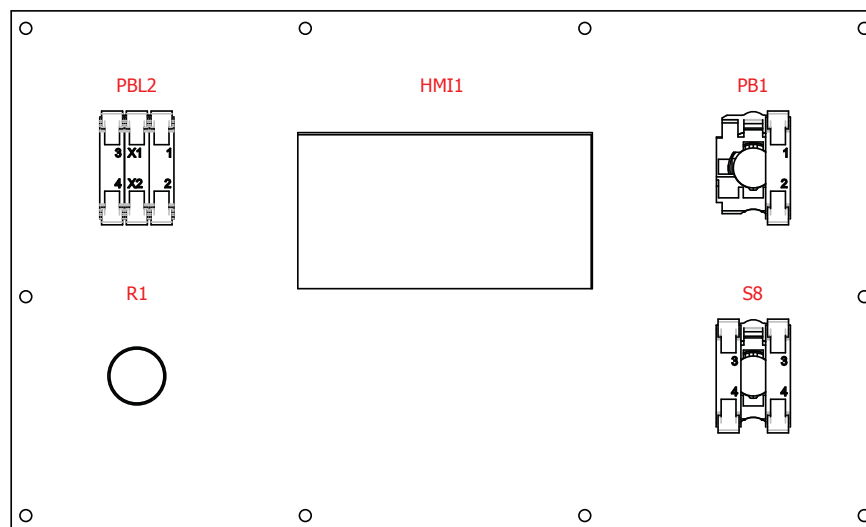
Cable Designation	Cable Part Number	Cable Description	Cable X-Ref
CBL1	078413	Cable Assy, Edger Blade Motor	+ENC1/1.105
CBL2	078414-1	Cable Assy, Edger Feed Motor	+ENC1/1.118
CBL3	078415-1	Cable Assy, Edger Blade Position Motor	+ENC1/2.207
CBL4	078416	Cable Assy, Edger Operator	+ENC1/5.503
CBL5	078417	Cable Assy, Edger Board Switch	+ENC1/4.402
CBL6	078418	Cable Assy, Edger Blades In Switch	+ENC1/4.403
CBL7	078419	Cable Assy, Edger Blades Out Switch	+ENC1/4.404
CBL8	078420	Cable Assy, Edger Laser Left	+ENC1/6.603
CBL9	078421	Cable Assy, Edger Laser Right	+ENC1/6.606
CBL10	078423	Cable Assy, Edger Modbus Comms	+ENC2/7.706
CBL11	096014	Sensor Assy, MSK320 (Integrated Into Sensor)	+ENC2/8.802

		Wood-Mizer®			
Project Description: EG300EC25U					
Revision:		B4.00		Pg Desc: Cable overview	
Mounting Location: +Docs				Type: Cable overview	
Prev. pg: D5		Page: E1		Next pg: F1	
				Total Pgs: 27	

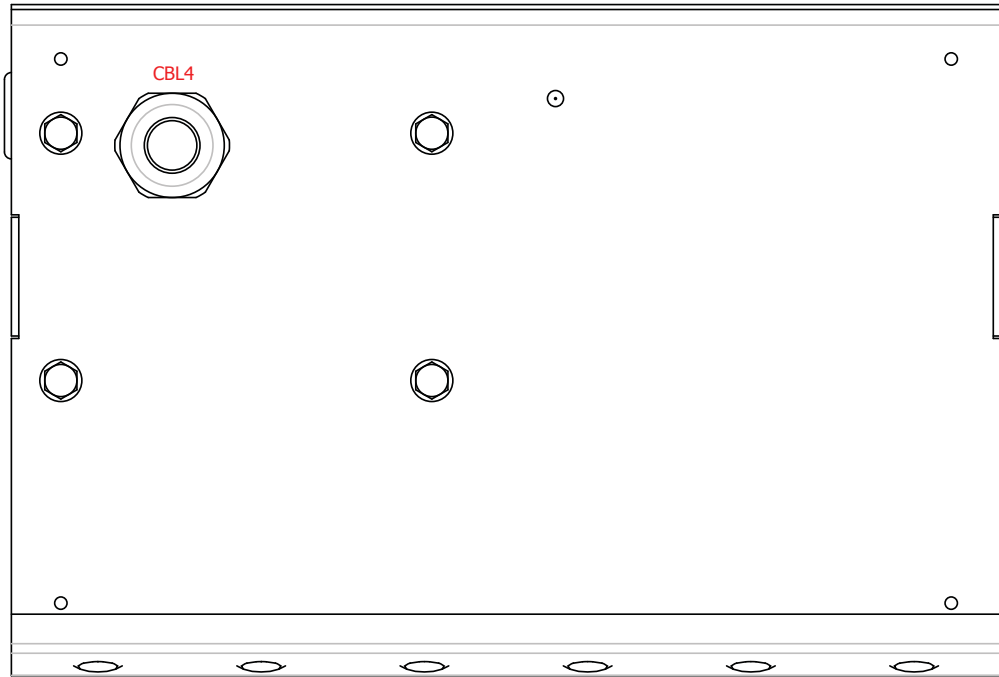


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Project Description: EG300EC25U			
Revision: B4.00		Pg Desc: Main Control Layout	
Mounting Location: +Docs		Type: Panel layout	
Prev. pg: E1	Page: F1	Next pg: F2	Total Pgs: 27

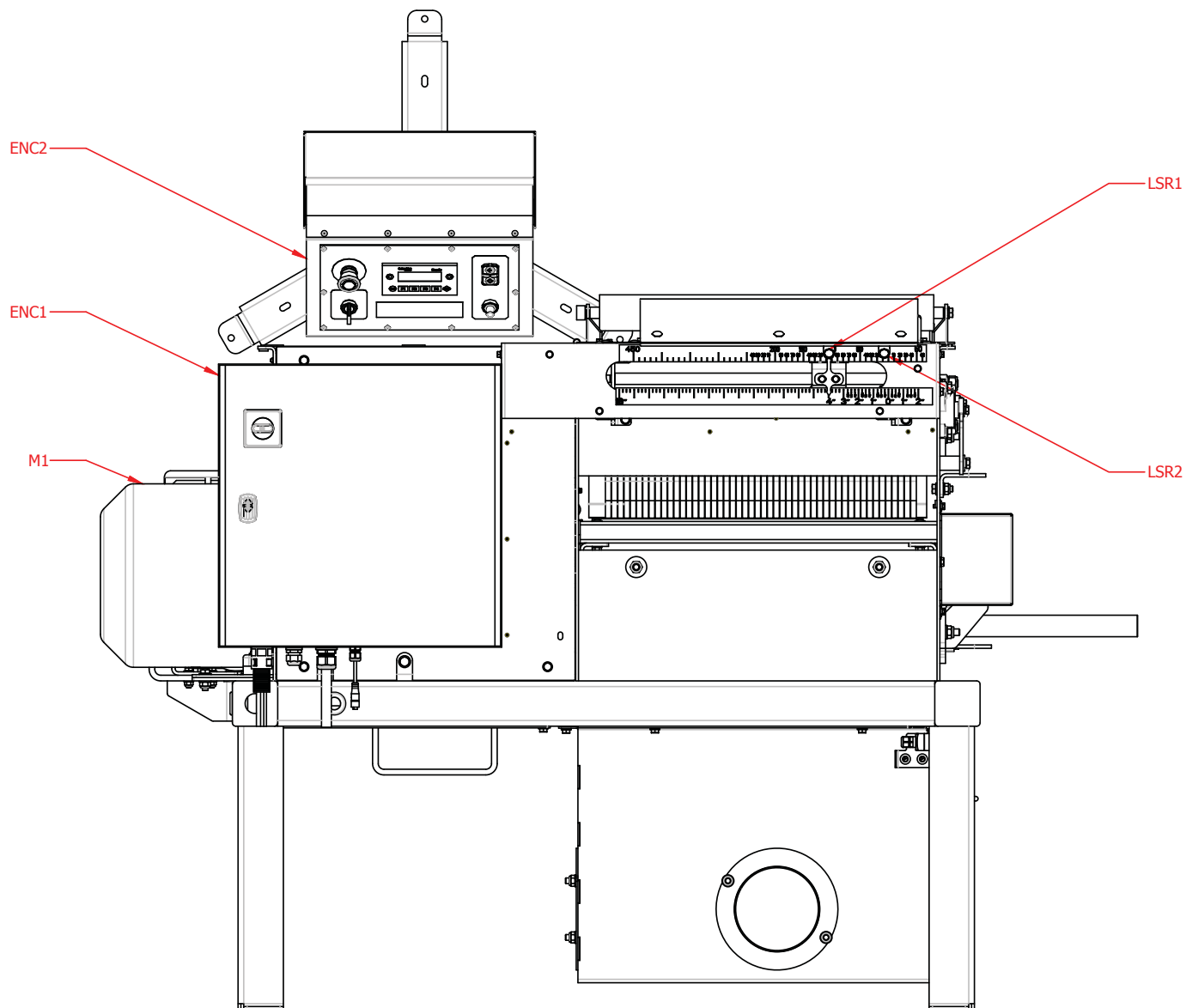




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Project Description: EG300EC25U			
Revision: B4.00		Pg Desc: Operator Face Layout	
Mounting Location: +Docs		Type: Panel layout	
Prev. pg: F2	Page: F3	Next pg: F4	Total Pgs: 27



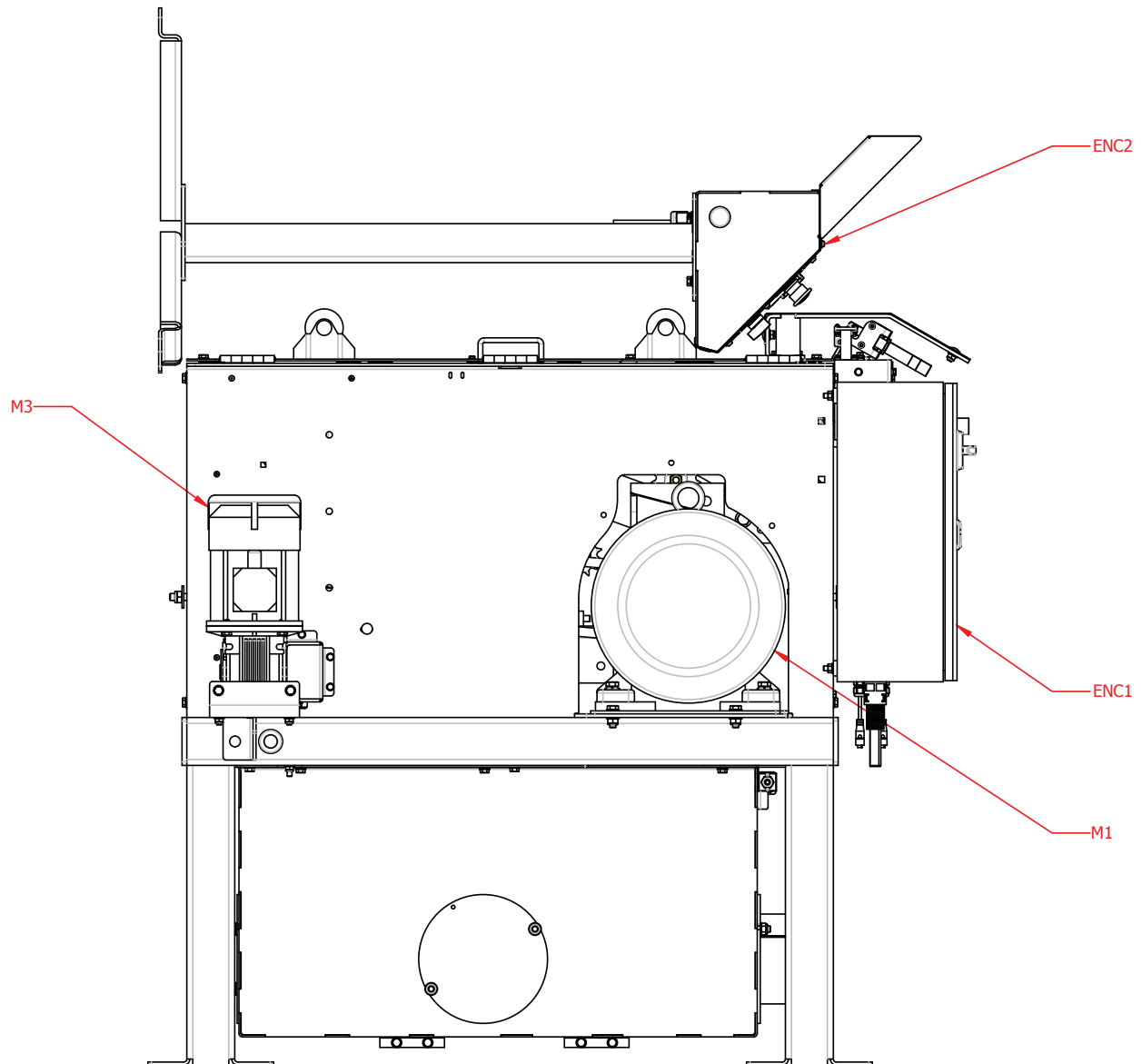
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Revision: B4.00		Pg Desc: Operator Cable Layout	
Mounting Location: +Docs		Type: Panel layout	
Prev. pg: F3	Page: F4	Next pg: F5	Total Pgs: 27



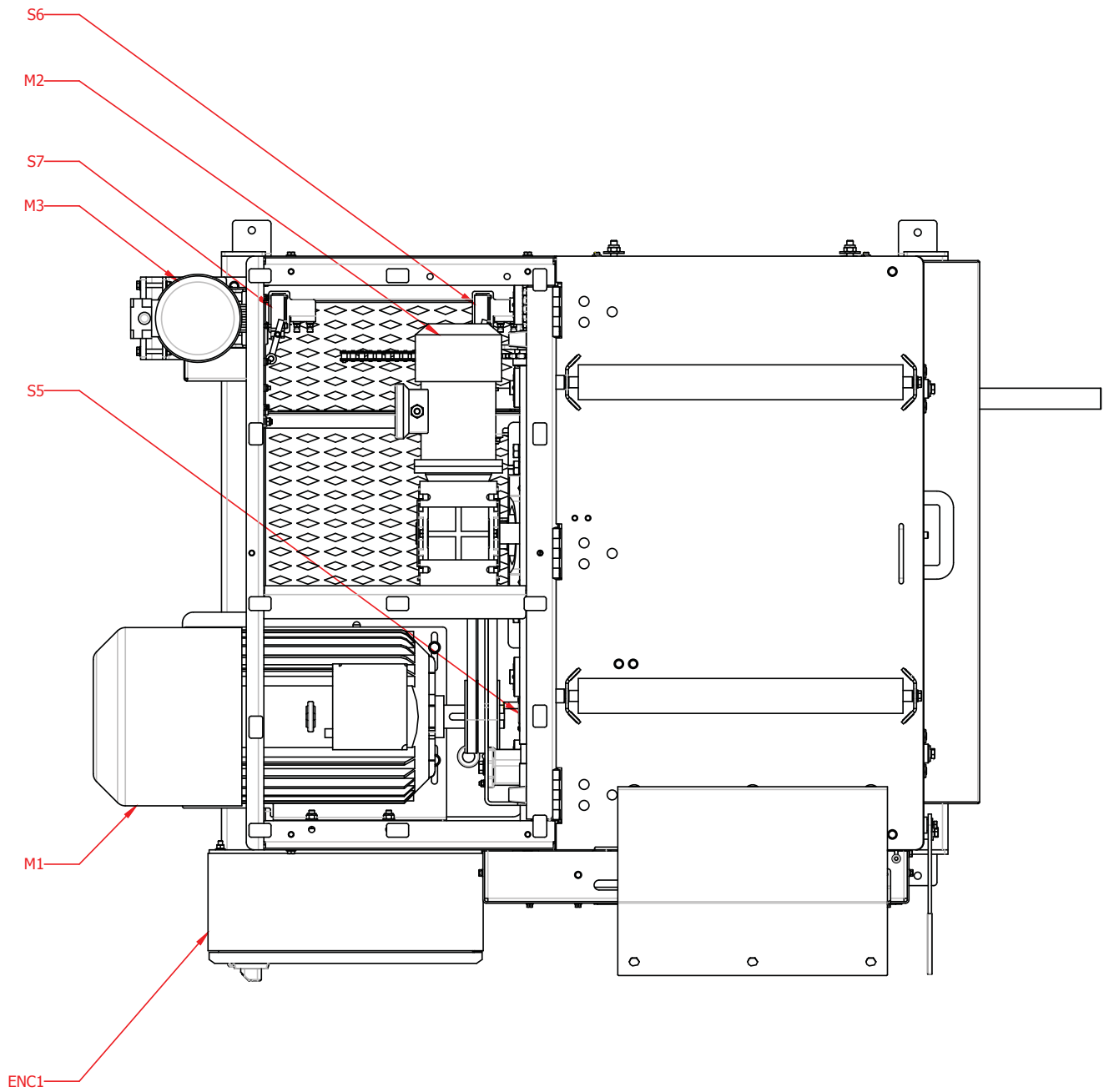
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Project Description: EG300EC25U

Revision:	B4.00	Pg Desc: Machine Layout Front	
Mounting Location:	+Docs	Type: Panel layout	
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 Wood-Mizer®		Project Description: EG300EC25U	
Revision: B4.00		Pg Desc: Machine Layout Left	
Mounting Location: +Docs		Type: Panel layout	
Prev. pg: F5	Page: F6	Next pg: F7	Total Pgs: 27



 Wood-Mizer®		Project Description: EG300EC25U	
Revision:	B4.00	Pg Desc: Machine Layout Top	
Mounting Location: +Docs		Type: Panel layout	
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Next pg:Mfg_Docs/G1		Total Pgs: 27	