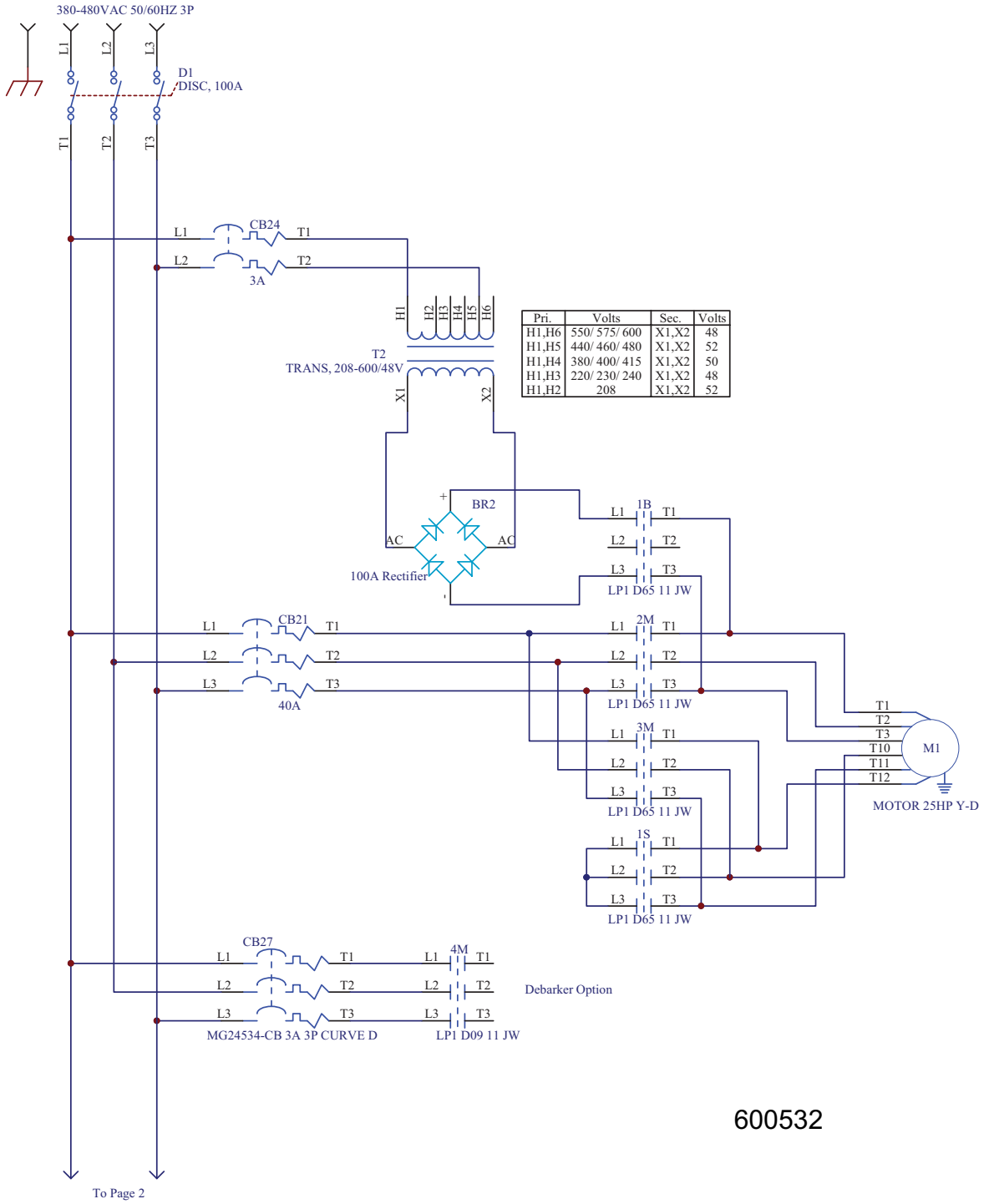


APPENDIX A E25-H ELECTRICAL INFORMATION

LT60HD	**Rev. B7.00+**
LT70HD	**Rev. B7.00+**

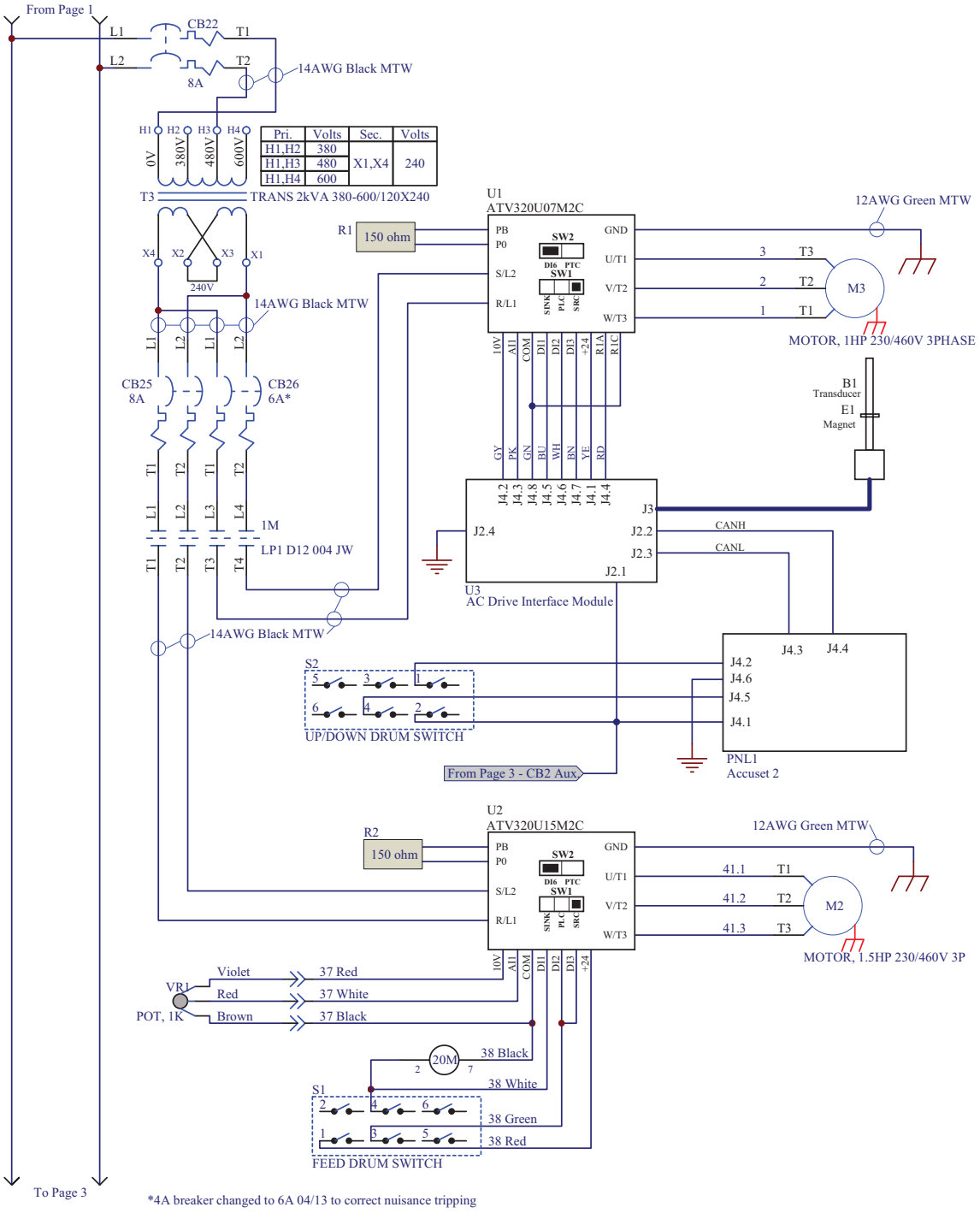
ELECTRICAL DIAGRAM (PAGE 1 OF 6)



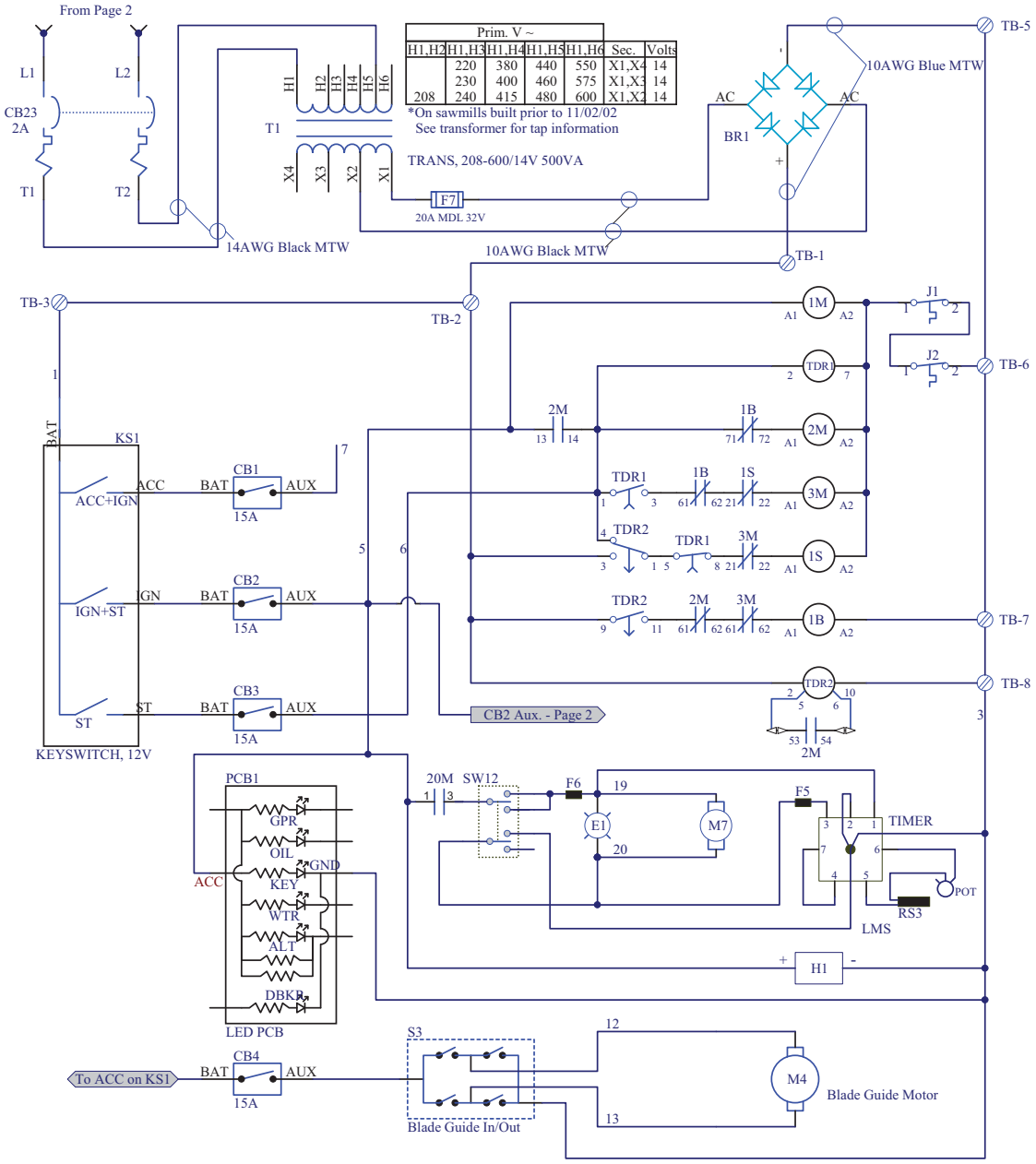
Pri.	Volts	Sec.	Volts
H1,H6	550/ 575/ 600	X1,X2	48
H1,H5	440/ 460/ 480	X1,X2	52
H1,H4	380/ 400/ 415	X1,X2	50
H1,H3	220/ 230/ 240	X1,X2	48
H1,H2	208	X1,X2	52

600532

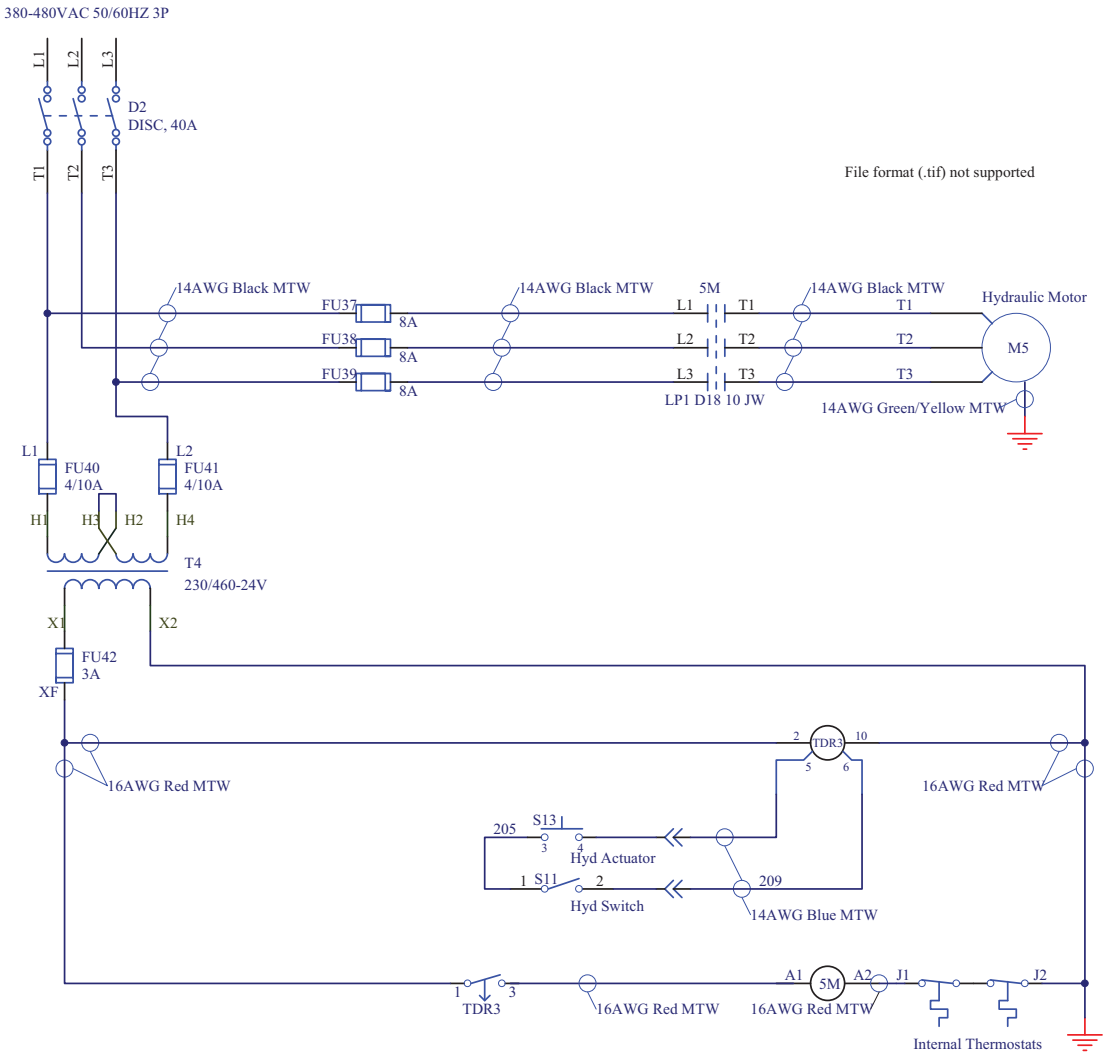
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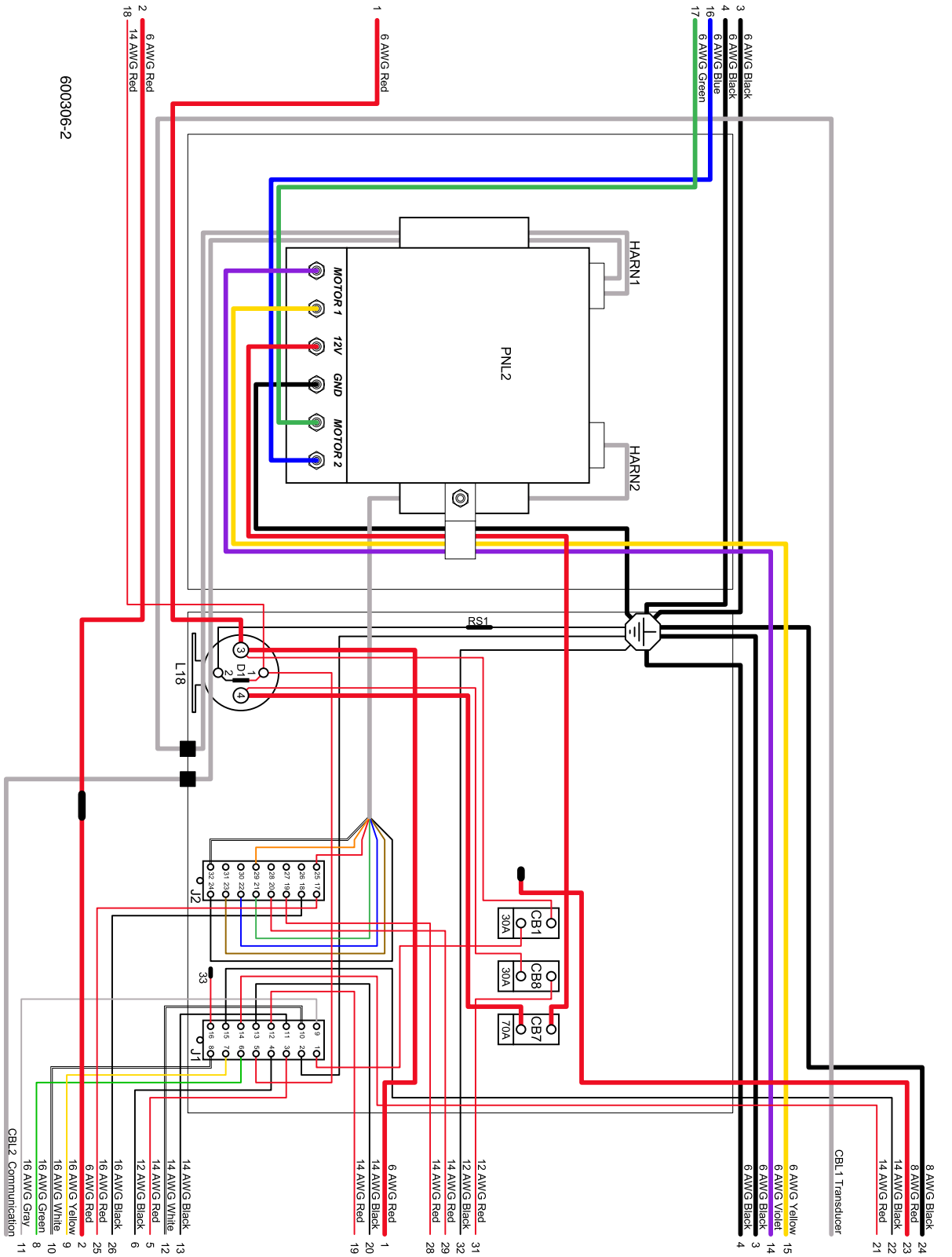
ELECTRICAL DIAGRAM (PAGE 3 OF 6)



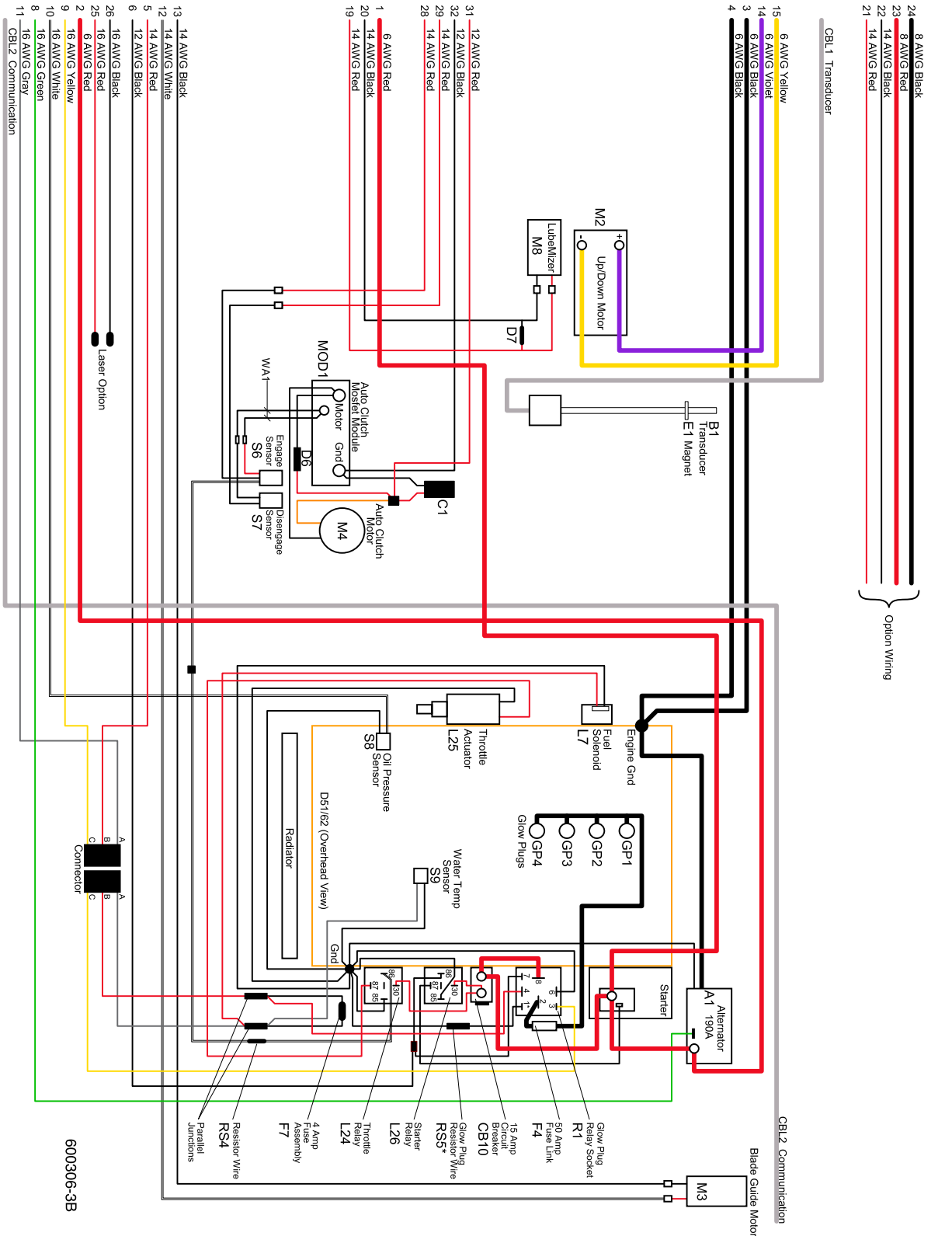
ELECTRICAL DIAGRAM (PAGE 4 OF 6)



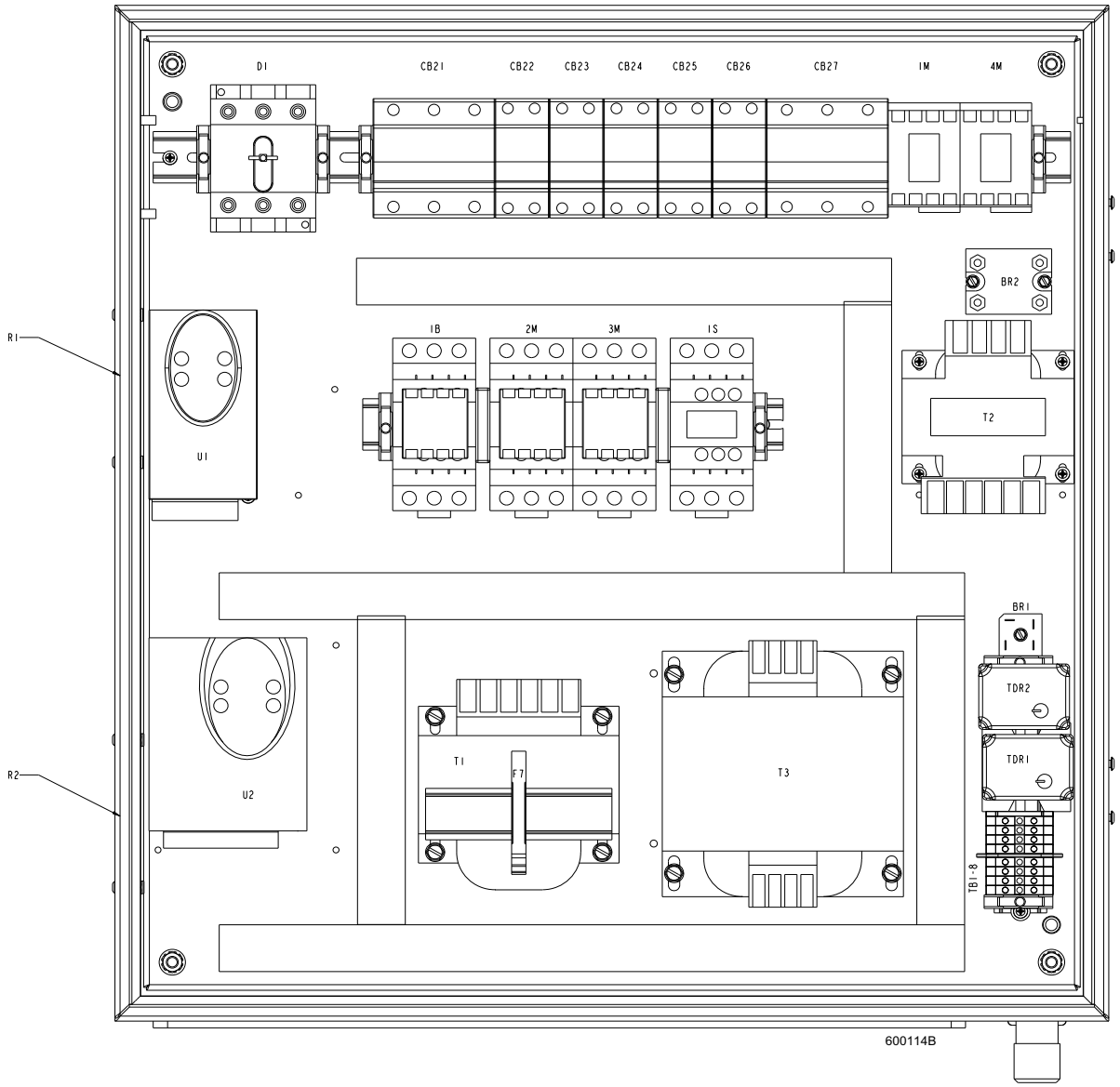
ELECTRICAL DIAGRAM (PAGE 5 OF 6)



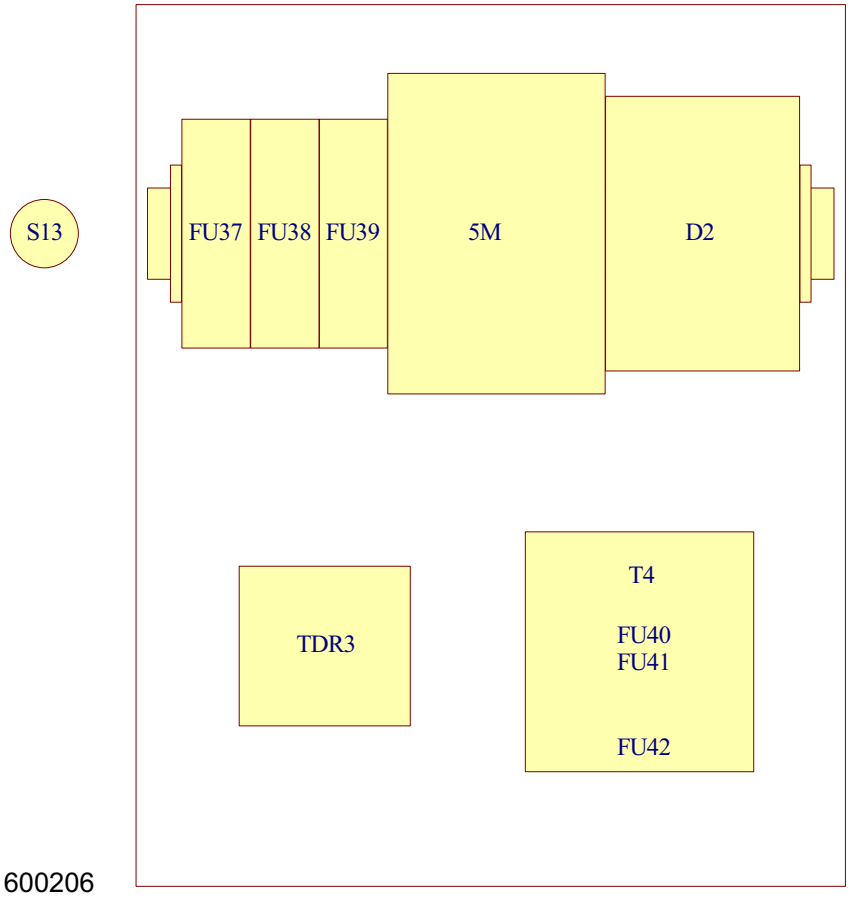
ELECTRICAL DIAGRAM (PAGE 6 OF 6)



MAIN ELECTRICAL COMPONENT DIAGRAM

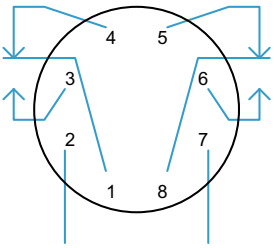


HYDRAULIC CONTROL DIAGRAM

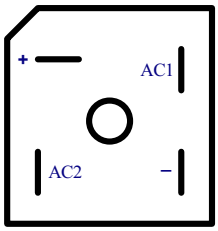


RELAY WIRING DIAGRAM

24V RELAY WIRING DIAGRAM



NOTE: MAY NEED TO USE RELAY SOCKET TERMINAL NUMBERS



BR1 PINOUT

600115

E25-H Electrical Component List

Component ID	Wood-Mizer Part No.	Description
1B, 2M, 3M, 1S	069521	Contactor, 65A 3P 12VDC Coil D-A Series
	E23408	Contact, 2NC and 2NO Auxiliary
	023171-1	Interlock, D40-D80 Contactor Mechanical
	E22707	Clamp, Plastic Din Rail
1M	050313	Contactor, 12A 4P 12VDC Coil
4M	023124	Contactor, 9A 12VDC Coil IEC
5M	025290	Contactor, 9A 3P 24VAC Coil
B1	038659	Transducer, Balluff Style Z
BR1	E10456	Rectifier, 200 PIV 35A Bridge
BR2	050898	Rectifier, 100A 400PIV Bridge
CB1	E20430	Breaker, 15 Amp Manual Reset, Accessory
CB2	E20430	Breaker, 15 Amp Manual Reset, Ignition
CB3	E20430	Breaker, 15 Amp Manual Reset, Start
CB4	E20430	Breaker, 15 Amp Manual Reset, Blade Guide
CB21	024690	Breaker, 40A 480V 3P Curve
CB22,CB25	E23068	Breaker, 8A 2P 480V D-Curve
CB23	024061	Circuit Breaker, 2A 2P Curve D
CB24	024905	Breaker, 3A 2P Curve D
CB26	024060 [1]	Circuit Breaker, 6A 2P Curve D
CB27	050913	Breaker, 3A 3P Curve D
D1	050906-1	Disconnect, 100A 3Phase Non-Fused 6mm
	050907-1	Operator, Red/Yellow Pistol Grip Disconnect 6mm
	050908-1	Shaft, Disconnect Operator Extension 6mm
D2	050903-1	Disconnect, 40A 3 Phase Non-Fused 6mm
	050882-1	Shaft, Disconnect Extension 6mm
	050883-1	Switch, Red/Yellow Disconnect 6mm
E1	038658	Magnet, Balluff Transducer
E2	E20483	Light, Green 12V .187 Tabs
F5	024555	Fuseholder, In-Line 3-20 Amp ATC w/Cover
	024150-2	Fuse, 2 Amp ATO Blade Light Grey
F6	024555	Fuseholder, In-Line 3-20 Amp ATC w/Cover
	024150-4	Fuse, 4 Amp ATO Blade Pink
F7	052455	Fuse, 20A 250V Midget Delay
	073548	Fuseholder, 30A Midget DIN Scw Trm NI
FU37-FU39	052381	Fuse, 8A ATDR
FU40-FU41	P03151	Fuse, FNQR-4/10 600V
FU42	025297	Fuse, 3A 250V 1/4x 1 1/4 Glass MDL Delay
H1	015401	Hour Meter, 12 Volt DC
KS1	P04350	Key Switch, 4-position (Accessory, Off, Ignition, Start)
M1	065354 [2]	Motor Assembly, 25HP 230/460V Ultimate E
M2	050291	Motor, 1.5HP 230/460 3P 1725RPM Power Feed
M3	050290	Motor, 1HP 230/460 3P 1725RPM Up/Down
M4	P09698-1	Motor, 1/30HP 62RPM 12 VDC 53:1 Gear Blade Guide
M5	038963	Motor/Pump Assembly, 230/460V AC Hydraulic
M7	033492	Pump Assembly, LubeMizer
PCB1	015416	Circuit Board, LED Circuit (Gas/Elec)
PNL1	053018	Panel Assembly, Accuset 2 Control

E25-H Electrical Component List

Component ID	Wood-Mizer Part No.	Description
POT	024590	Pot Assy, 500K 2W 10% CP Panel Mount (Lube-Mizer)
R1, R2	050888	Resistor, 150Ohm 150W
RS3	024591	Resistor Assembly, 47K Yellow Lube Timer
S1	E20439	Drum Switch, Power Feed Fwd/Reverse Motor
S2	E20440	Drum Switch, Up/Down Motor
S3	024200	Toggle Switch, Blade Guide In/Out Motor
S11	024198	Switch, Hydraulic Pump Levers
S12	024588	Switch, 15 Amp Toggle
S13	050152	Switch Head, Green Guarded
	025242	Switch Body, 1NO 22mm XB4
T1	114075 [3]	Power Supply, MW HRP-600-15
T2	050323	Transformer, 250VA 208-600/48V 1P 50/60Hz
T3	068284 [4]	Transformer, 2KVA 380/480/600V x 240/120V
T4	053009	Transformer, 240/480-24VAC 50VA
	053010	Fuse Block, T50 Transformer Primary
	053011	Fuse Block, T50 Transformer Secondary
TB1-TB8	024893	Terminal Block, Small
TDR1	023170	Timer, On Delay .1-10s 12VDC/DC
	E10216	Socket, 8-Pin Relay
TDR2	050314	Relay, Timer Off Delay .1-10s 12VDC Coil
	E22700	Socket, 11-Pin Relay
TDR3	052383	Relay, Timer Off Delay .1-10s 24VDC Coil
	E22700	Socket, 11-Pin Relay
TDR4	024530	Timer, Repeat Cycle 12VDC 1A .2-60 Seconds
U1	053199-1 [5]	AC Drive, Up/Down w/Software ATV320
U2	052145-2 [6]	AC Drive, Power Feed w/Software ATV320
U3	052892	Accuset 2 AC Interface Module
VR1	024450-1	Potentiometer, Variable Resistance Power Feed

[1] Replaced E23061 4A 480V 2P Curve D Circuit Breaker to correct tripping (04/13).
[2] Ultimate E Motor Assembly 065354 supplied after Rev. B4.05. Motor Assembly 034504 (includes Motor 021392) supplied prior to Rev. B4.05 no longer available. Use 065488 kit to upgrade to Ultimate E motor.
[3] Replaced 050322
[4] Replaced 050320 2KVA 480/240V 1P 50/60Hz Transformer (Rev. B6.00).
[5] Replaced 053199 AC Drive, Up/Down w/Software (Rev. B7.00).
[6] Replaced 052145 AC Drive, Power Feed w/Software (Rev. B7.00).

DEBARKER OPTION

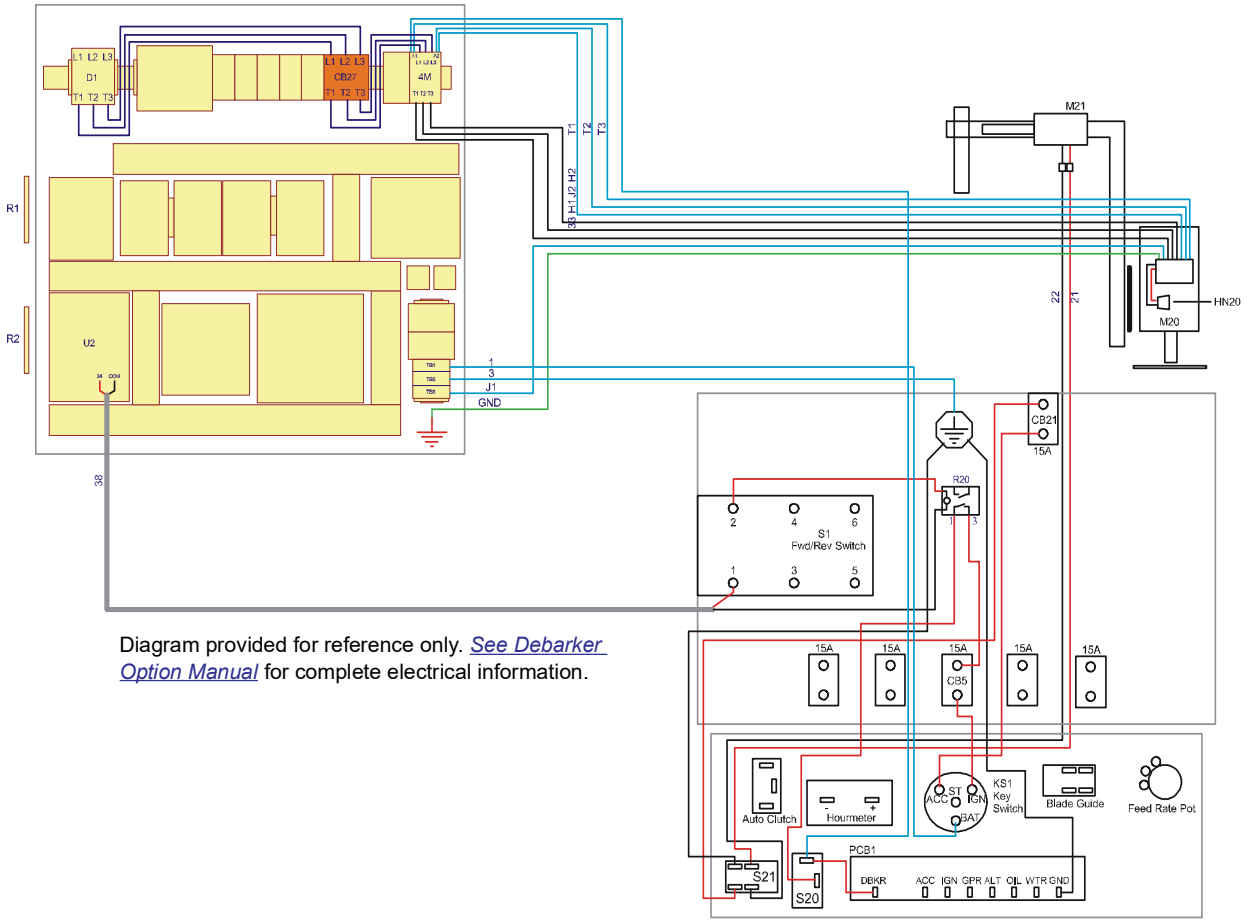


Diagram provided for reference only. *See Debarker Option Manual* for complete electrical information.

TIMER RELAY DESCRIPTION

(See Electrical Component Diagrams for Reference)

TDR1

TDR1 is used for the Wye-Delta start of the main (blade) motor. The timer should be set so as contactors ‘2M’ and ‘1S’ engage for approximately 3-5 seconds before contactor ‘1S’ disengages and contactor ‘3M’ engages.

TDR2

TDR2 is used for adjusting how long Direct Current is injected into the blade motor for braking. It is important that this timer be adjusted properly to ensure correct operation. If the timer is set too low the blade will continue to spin too long after shutdown. If the timer is set too high the circuit breaker will trip for the braking transformer rendering the brake inoperable until reset.

Upon shutdown, contactors ‘1B’ and ‘1S’ will engage. Adjust the TDR2 timer so contactors ‘1B’ and ‘1S’ disengage approximately 1 second after blade stops spinning.

TDR3

TDR3 timer is an “Off Delay” timer that delays the turn off the hydraulics. This is done so when several functions are used during log turning/clamping, etc. the motor/contactor won’t rapidly engage/disengage.

Adjust TDR3 timer to delay the shutoff of the hydraulics by approximately 3-5 seconds.