

BALDOR ELECTRIC COMPANY

5711 R.S. Boreham Jr. St.
 Fort Smith, AR 72901
 (479) 646-4711

Customer : KAMAN INDUSTRIAL TECHNOLOGIES
 Plant designation : BALDOR DRIVES CENTER
 Catalog number : CUSTOM

Manufacturer (Firm) : BALDOR ELECTRIC COMPANY

Spec. Number (TDB) : PN0018B27

Horsepower : 20HP(3)

Voltage : 460V

Package Group : CUSTOM

Created on : 09-13-2010 by : KIMTHOAI TRAN Highest Page No. : 26

Processed on : 01-21-2011 by : KTT No. of pages : 26

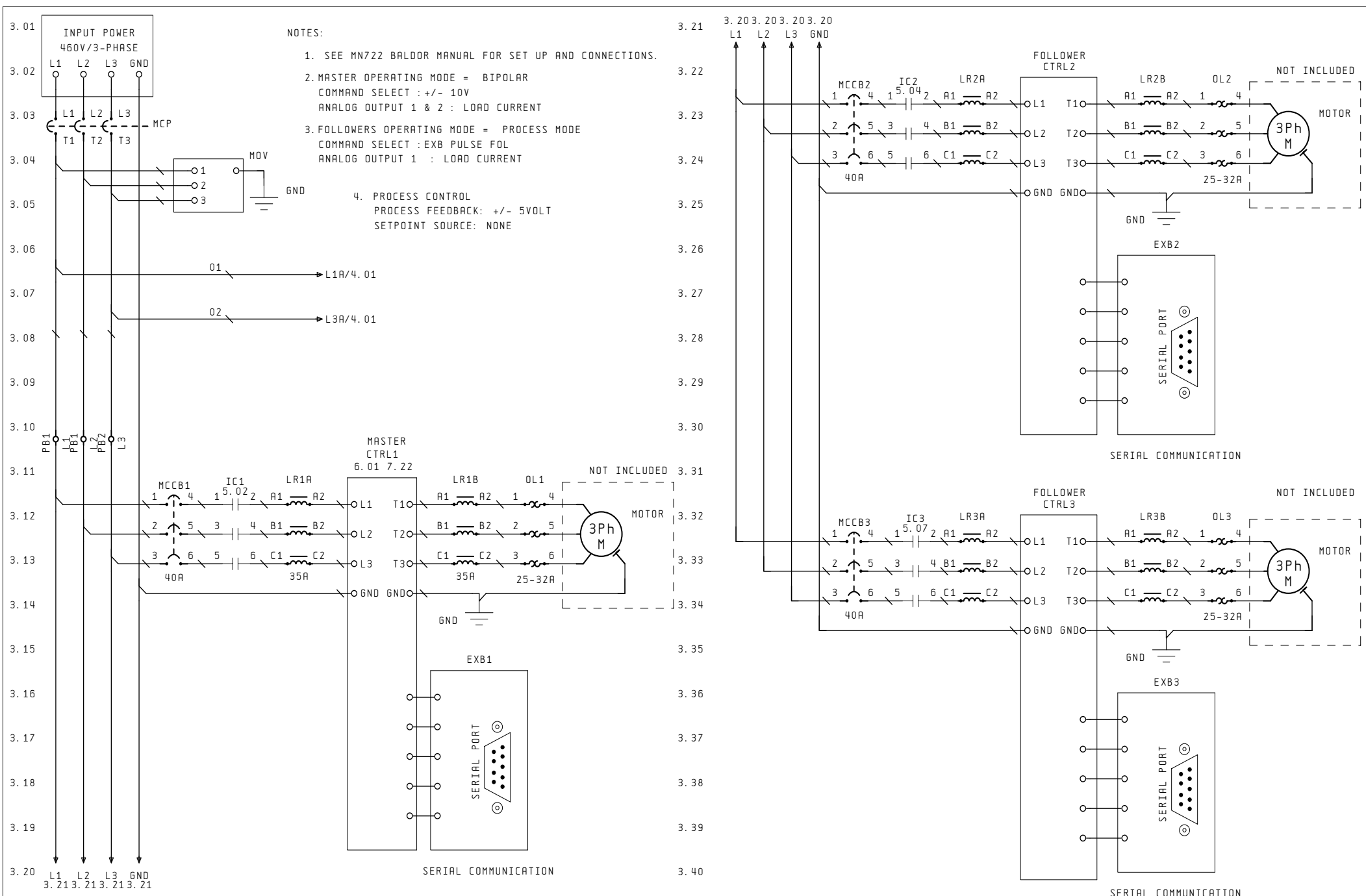
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REV:	B								
VR420-BC6		SCALE:	BY: KTT	REVISED:	02-23-2011				
		FILE:			TDR:	580028			
					BALDOR COVER SHEET				

Page overview

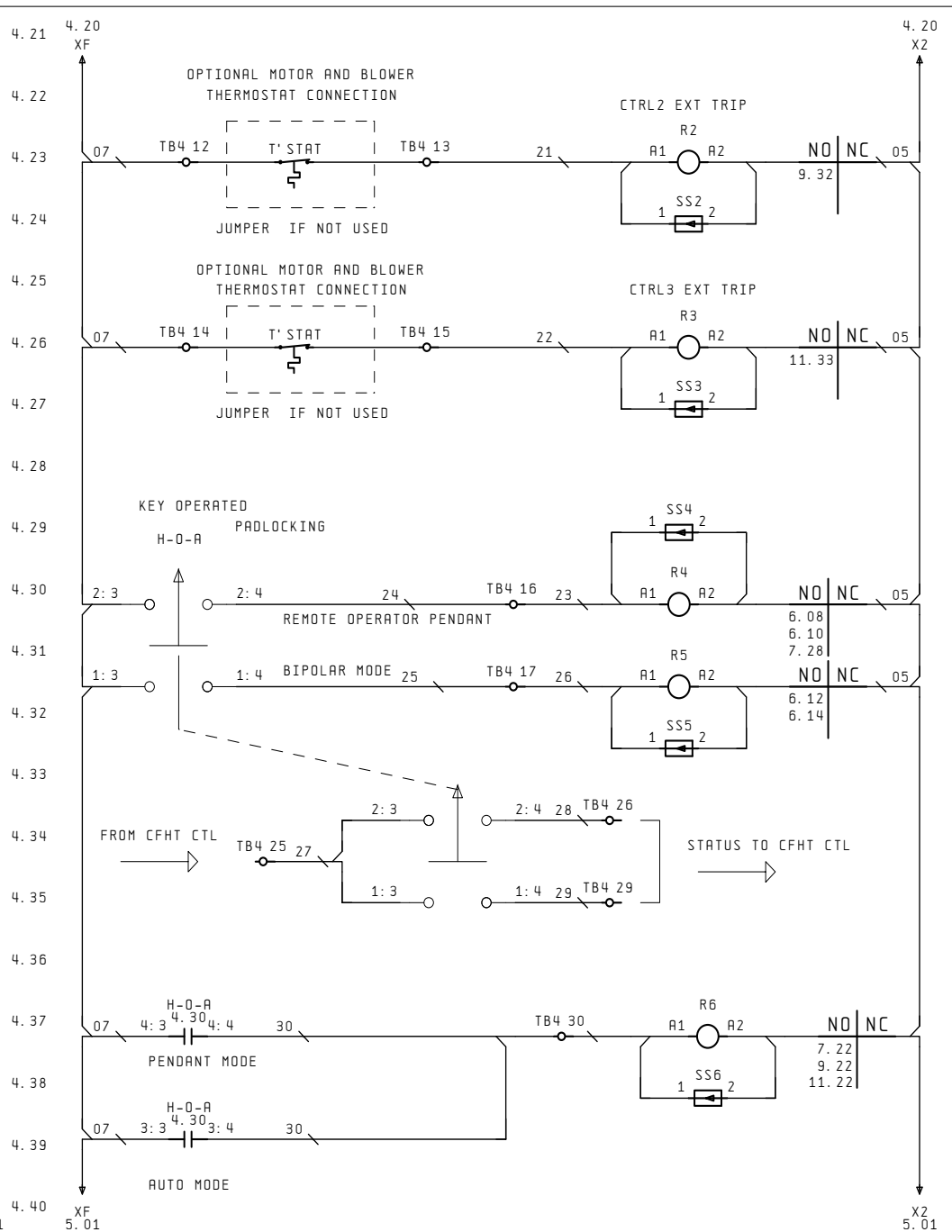
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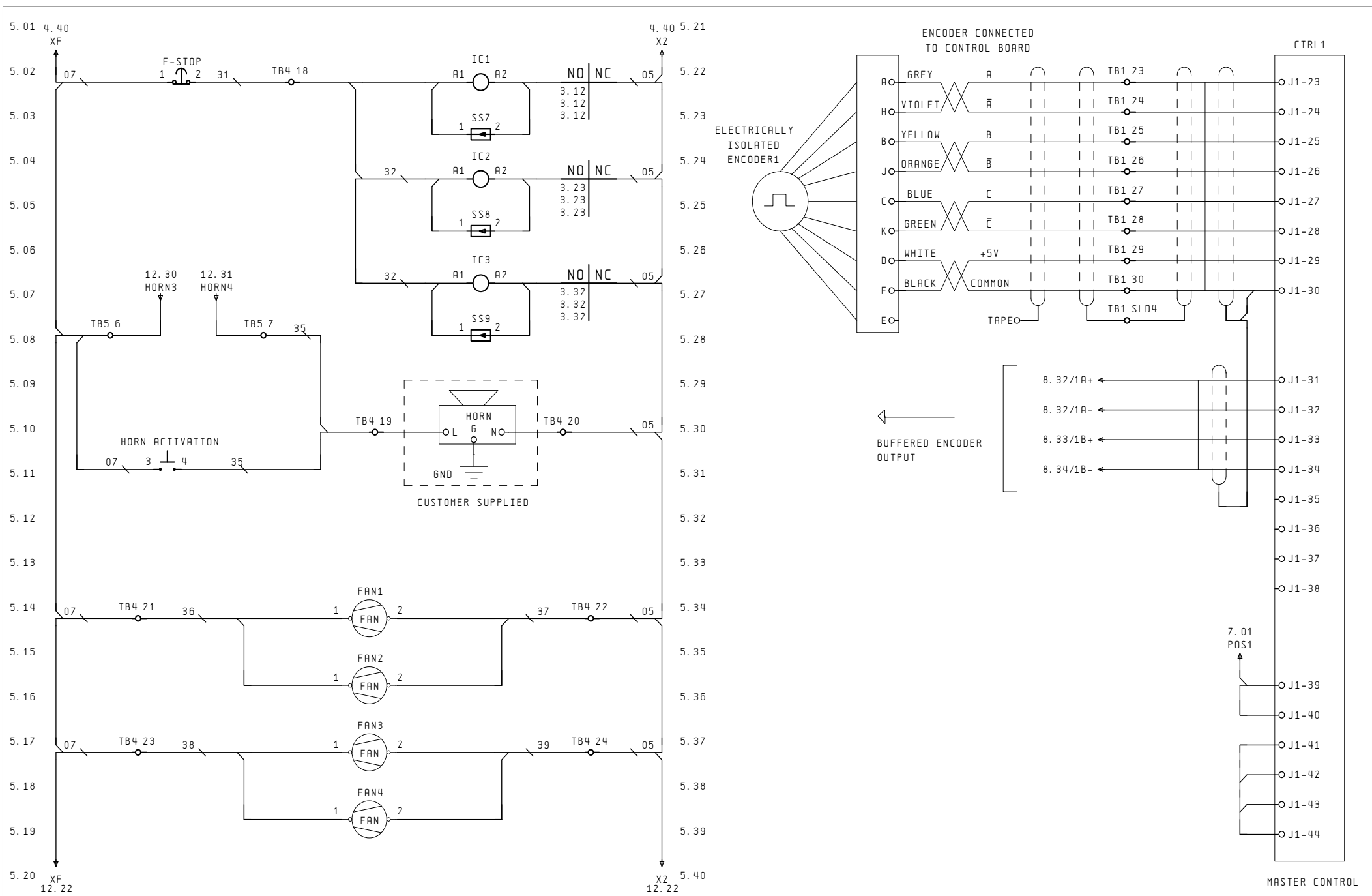
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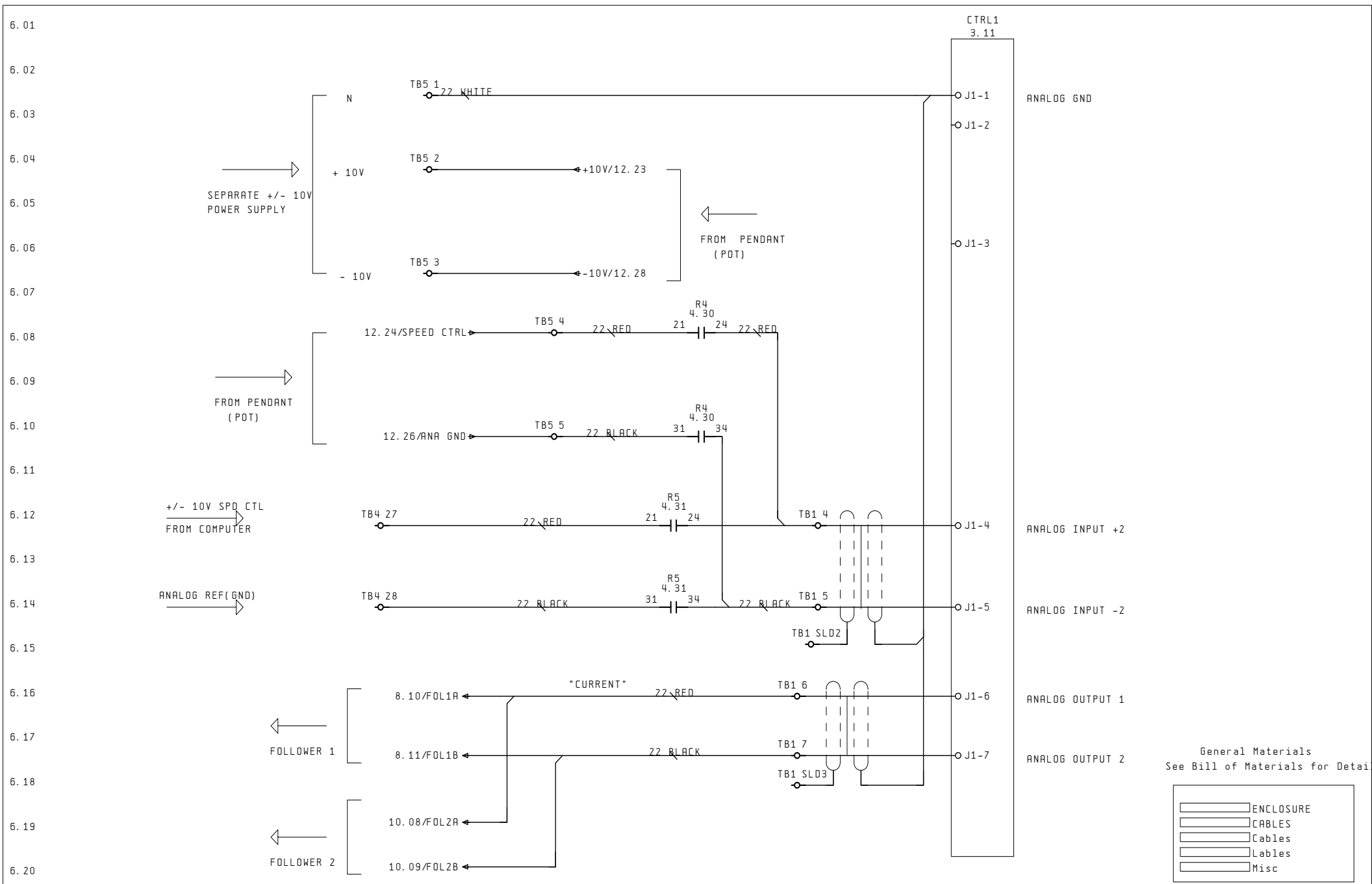
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			Editor	KIM TRAN					
			Spec.	PN0018B27					Pg. 2
			TDR #	580028	Engineer - KIM TRAN	Original		VR420-BC6	of 26

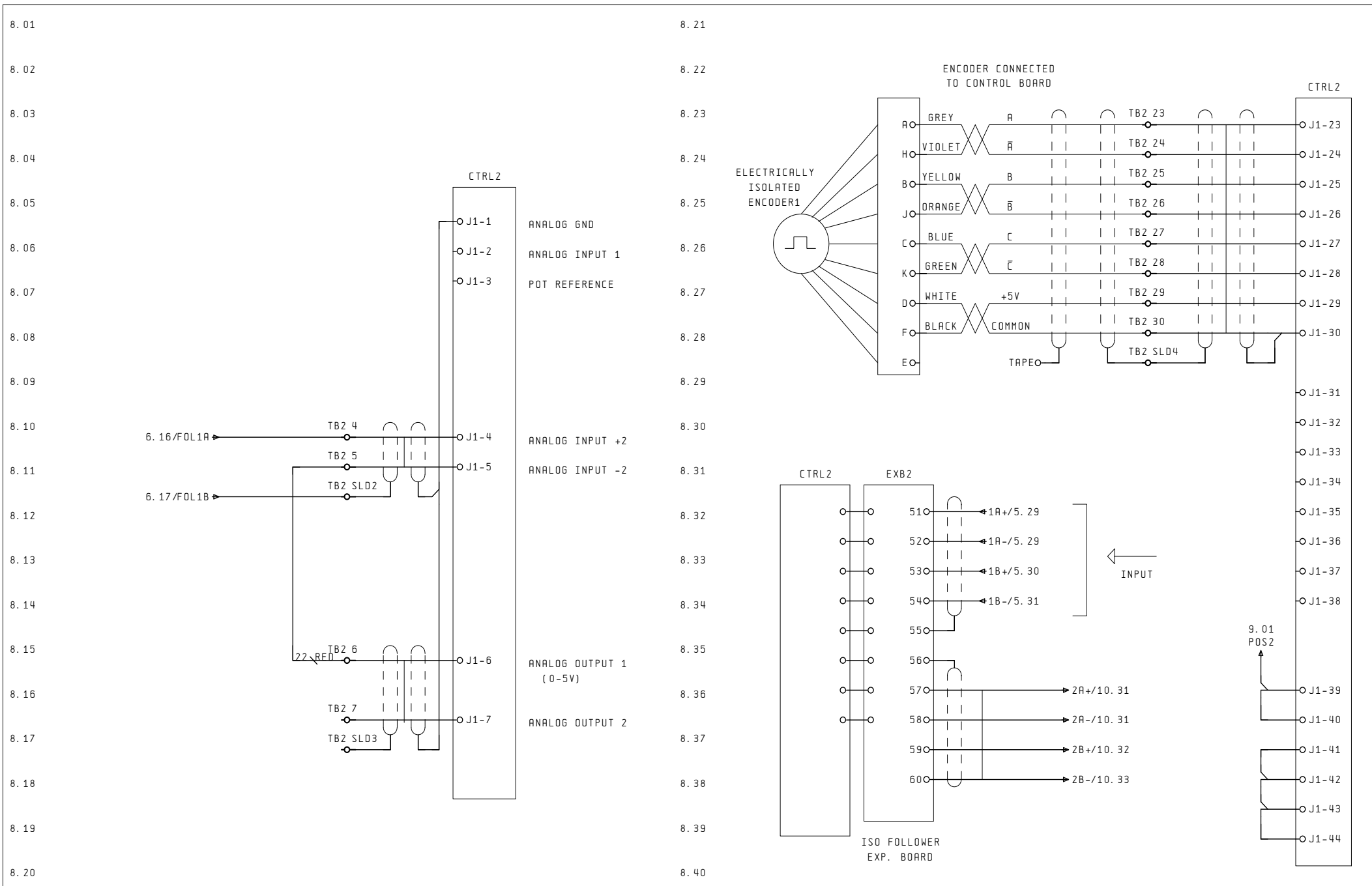


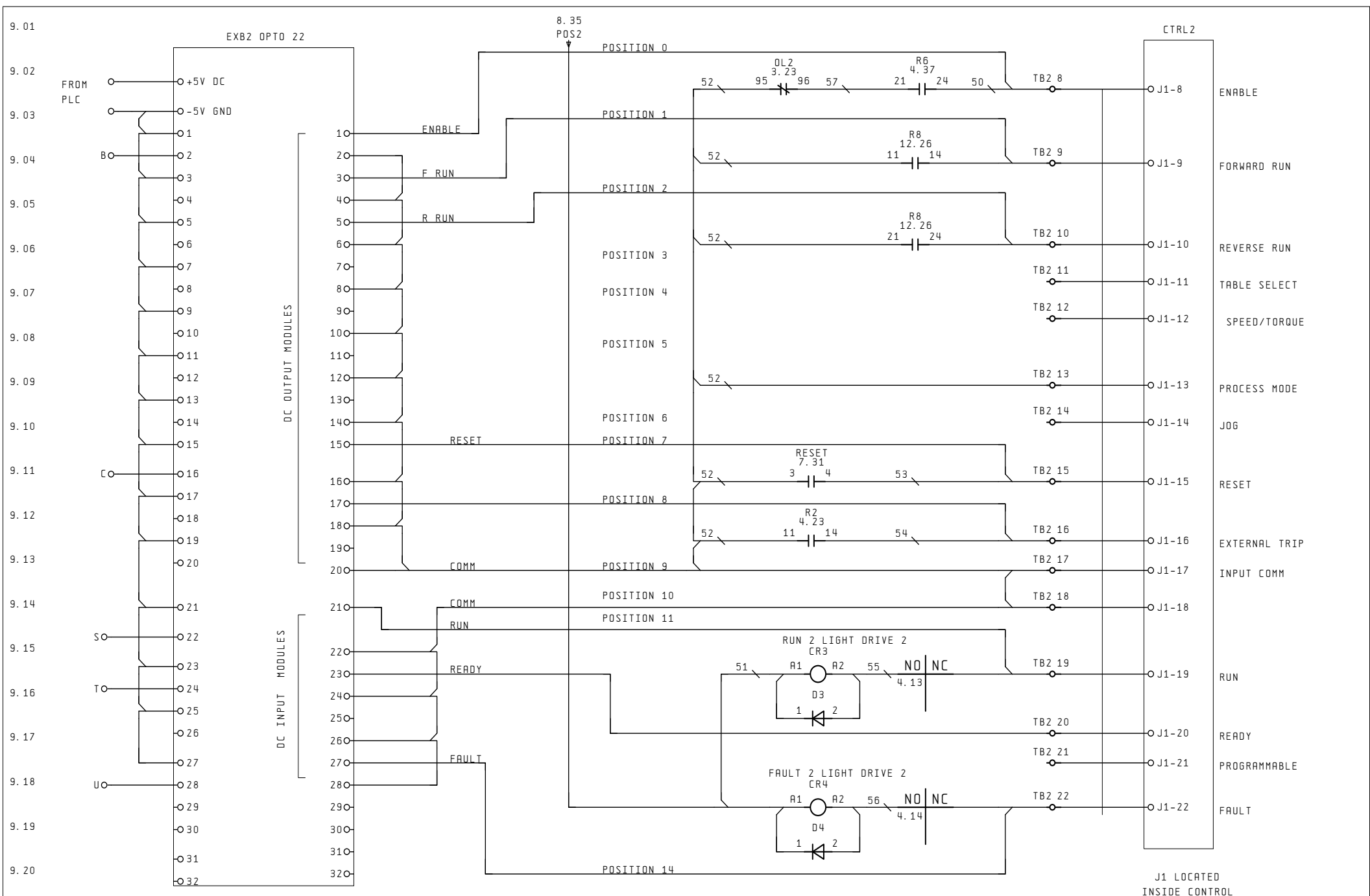
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VR420-BC6		SCALE:	BY: KTT	REVISED: 02-23-2011	ELECTRICAL SCHEMATIC		
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ELECTRICAL SCHEMATIC

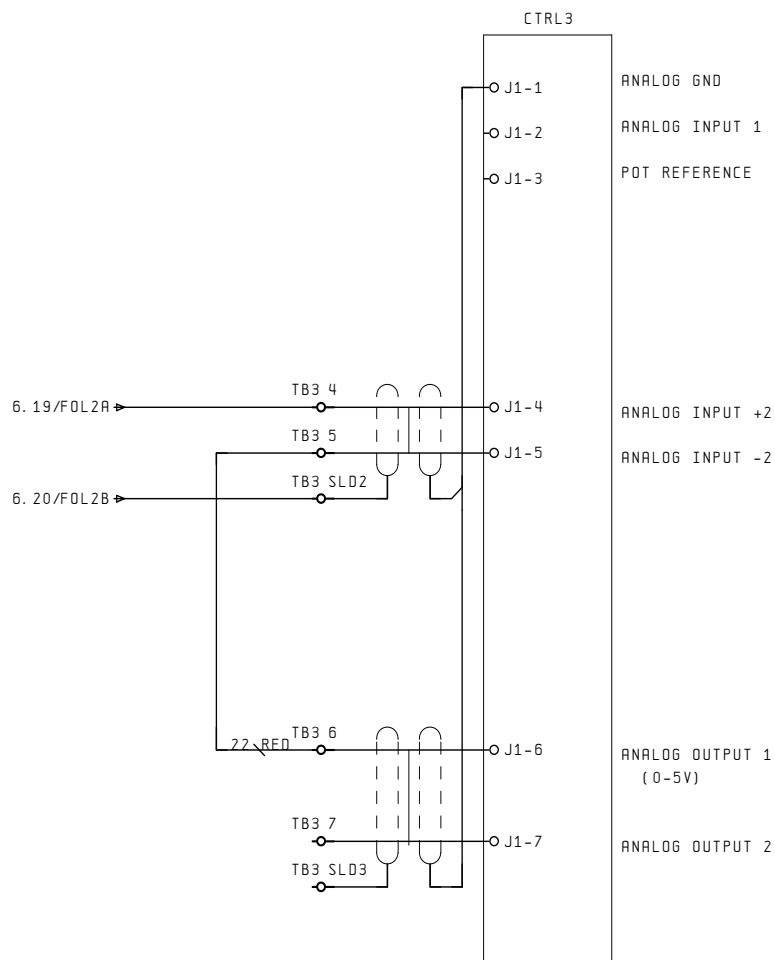




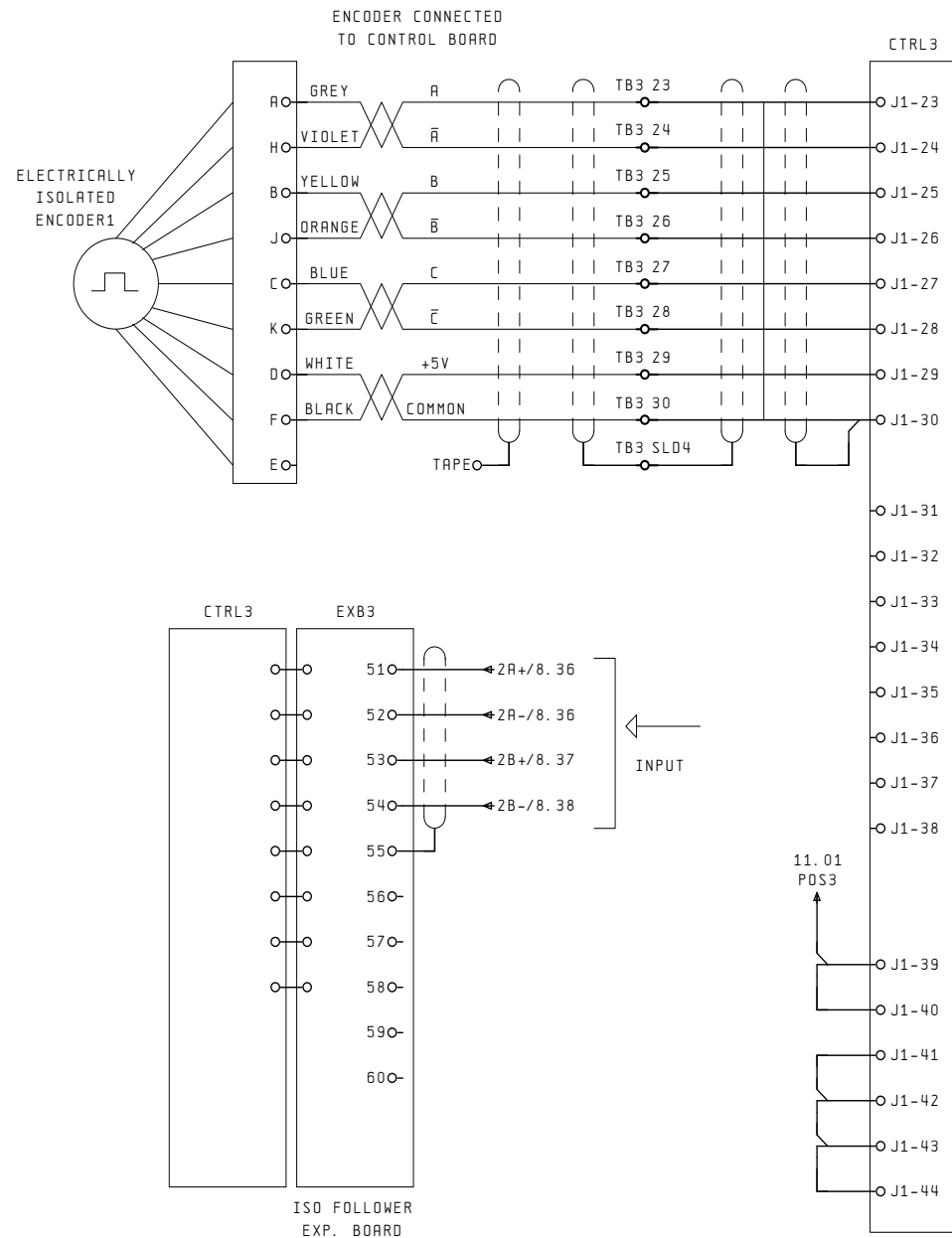




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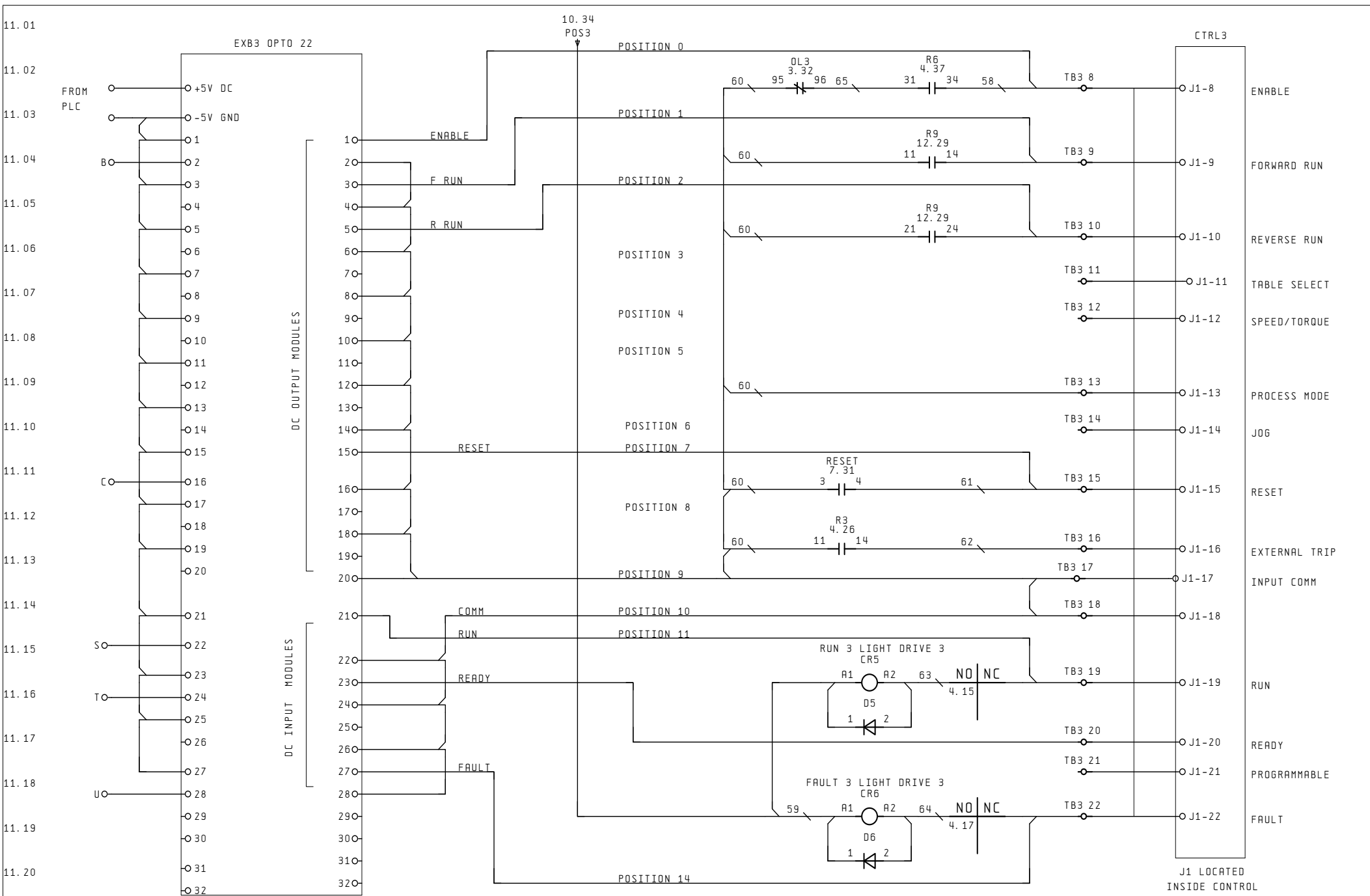


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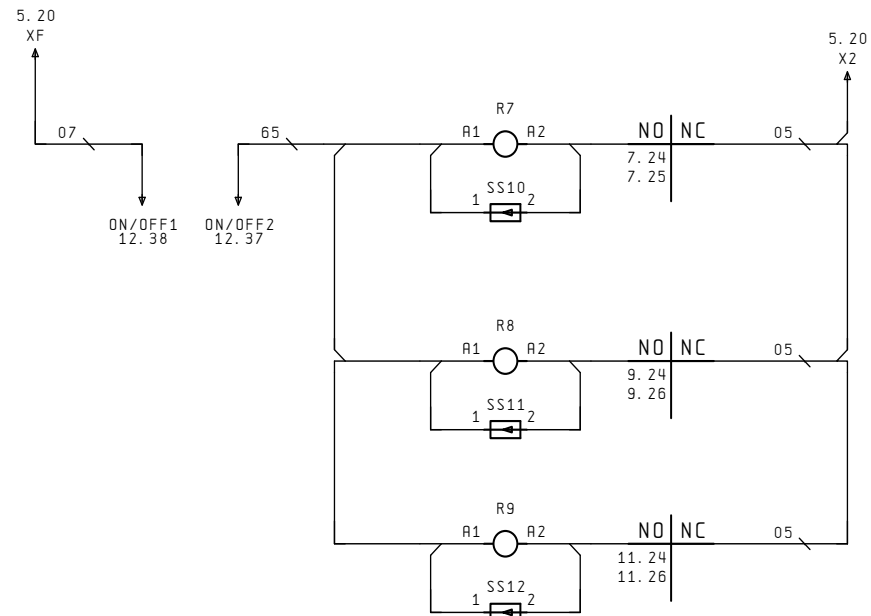
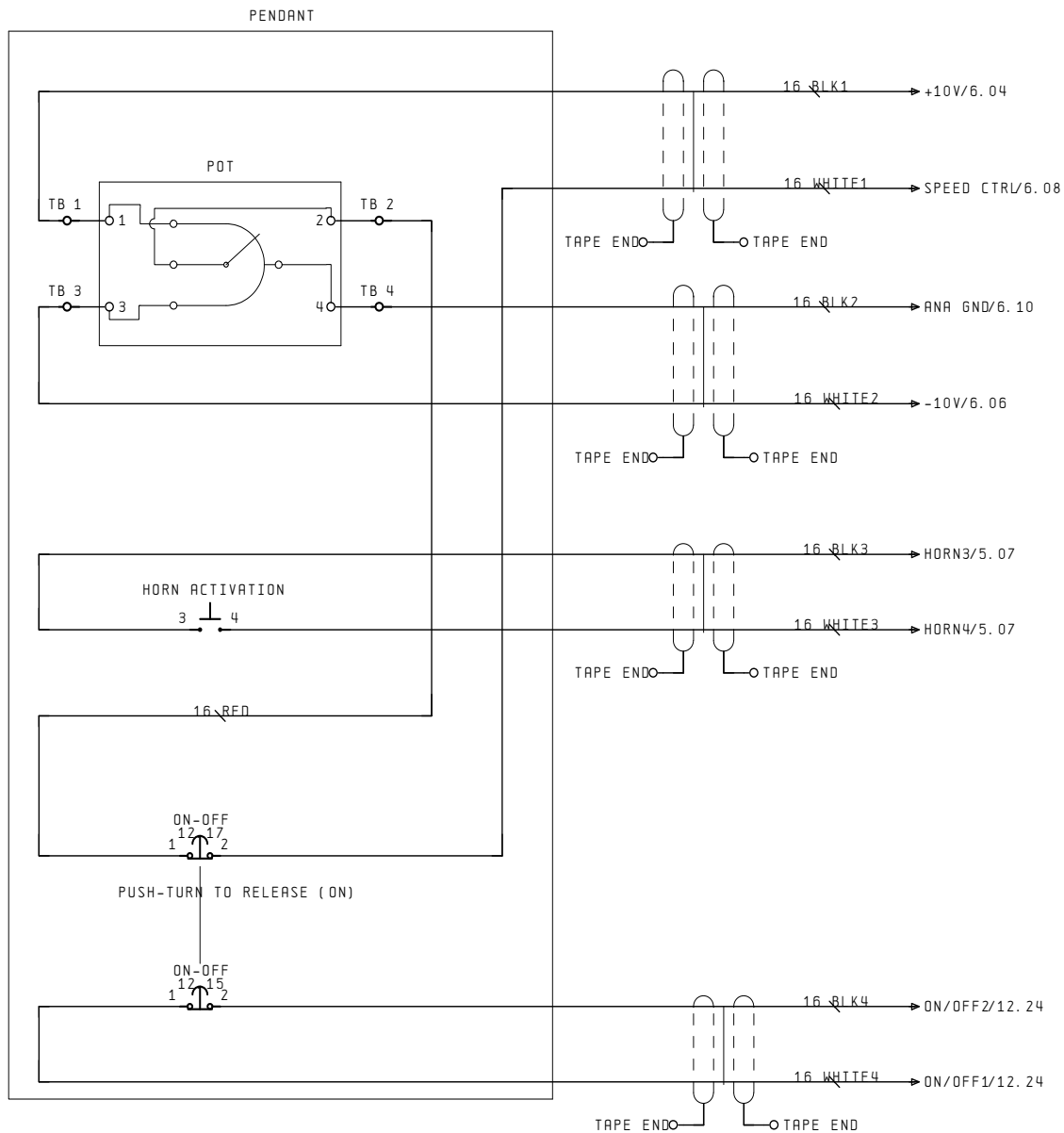
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ELECTRICAL SCHEMATIC-CONTROL 3



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ELECTRICAL SCHEMATIC-PENDANT

Bill of materials

WUP0001E 01.03.1994

Item designation	Amount	Designation	Type number	Manufacturer	Article number
ENCLOSURE	1	ENCL. 72"X72"X20" NEMA 12, CUSTOM	SPNFSD-727220-570	SCHAEFER'S	BE0012A58
MCP	6	LUGS, GE #TCAL18, 6 EA PER MCP, 3 EA PER PK	TCAL18	GENERAL ELECTRIC	CK0009A00
MCP	1	MCP GE SPECTRA RMS 150A	SELA36AI0150	GENERAL ELECTRIC	CK0022A00
MCCB1	1	SUSOL MCCB, 40A, 3POLE, 35KA, 480VAC	TD125NU-FTU-LL-40	LGIS	CK0023A28
MCCB2	1	SUSOL MCCB, 40A, 3POLE, 35KA, 480VAC	TD125NU-FTU-LL-40	LGIS	CK0023A28
MCCB3	1	SUSOL MCCB, 40A, 3POLE, 35KA, 480VAC	TD125NU-FTU-LL-40	LGIS	CK0023A28
MCP	1	6E RATING PLUG 450-1991A - 150A	SRPE150A150	GENERAL ELECTRIC	CK0024A02
D1	1	DIODE, 1000V, 1AMP, AXIAL, D041	99.02.3.000.00	FINDER	DI0001A08
D2	1	DIODE, 1000V, 1AMP, AXIAL, D041	99.02.3.000.00	FINDER	DI0001A08
D3	1	DIODE, 1000V, 1AMP, AXIAL, D041	99.02.3.000.00	FINDER	DI0001A08
D4	1	DIODE, 1000V, 1AMP, AXIAL, D041	99.02.3.000.00	FINDER	DI0001A08
D5	1	DIODE, 1000V, 1AMP, AXIAL, D041	99.02.3.000.00	FINDER	DI0001A08
D6	1	DIODE, 1000V, 1AMP, AXIAL, D041	99.02.3.000.00	FINDER	DI0001A08
FAULT1	1	FAULT PILOT LIGHT ASSEMBLY	DS0003A02	BALDOR	DS0003A02
FAULT2	1	FAULT PILOT LIGHT ASSEMBLY	DS0003A02	BALDOR	DS0003A02
FAULT3	1	FAULT PILOT LIGHT ASSEMBLY	DS0003A02	BALDOR	DS0003A02
POWERON	1	POWER ON PILOT LIGHT ASSEMBLY	DS0003A03	BALDOR	DS0003A03
RUN1	1	GREEN "RUN" PILOT LIGHT ASSEMBLY	DS0003A20	BALDOR	DS0003A20
RUN2	1	GREEN "RUN" PILOT LIGHT ASSEMBLY	DS0003A20	BALDOR	DS0003A20
RUN3	1	GREEN "RUN" PILOT LIGHT ASSEMBLY	DS0003A20	BALDOR	DS0003A20
EXB1	1	EXPANSION BOARD - RS232	EXB001A01	BALDOR	EB0043A00
EXB2	1	EXPANSION BOARD - RS232	EXB001A01	BALDOR	EB0043A00
EXB3	1	EXPANSION BOARD - RS232	EXB001A01	BALDOR	EB0043A00
EXB2	1	EXPANSION BOARD PULSE FOLLOWER	EXB005A01	BALDOR	EB0047A00
EXB3	1	EXPANSION BOARD PULSE FOLLOWER	EXB005A01	BALDOR	EB0047A00
EXB1OPT022	1	OPTO 22, 64PB16T, I/O RACK	64PB16T	OPTO 22	EB0403A00
EXB2OPT022	1	OPTO 22, 64PB16T, I/O RACK	64PB16T	OPTO 22	EB0403A00
EXB3OPT022	1	OPTO 22, 64PB16T, I/O RACK	64PB16T	OPTO 22	EB0403A00
FAN1	1	TUBEAXIAL FAN 171.4MM DIA, 235 CFM 115V W/CAP	MR2B3	COMAIR ROTRON	EF0001
FAN2	1	TUBEAXIAL FAN 171.4MM DIA, 235 CFM 115V W/CAP	MR2B3	COMAIR ROTRON	EF0001
FAN3	1	TUBEAXIAL FAN 171.4MM DIA, 235 CFM 115V W/CAP	MR2B3	COMAIR ROTRON	EF0001
FAN4	1	TUBEAXIAL FAN 171.4MM DIA, 235 CFM 115V W/CAP	MR2B3	COMAIR ROTRON	EF0001
PENDANT	1	PENDANT, SCHAEFER, FOUR HOLES TYPE 12	SPPEN-4-M-A61	SCHAEFER'S	EH0002B21
ENCLOSURE	1	FAN COVER, COVERS 6 EF0001 FANS, NEMA 12		UNDEFINED	EH0003A66
ENCLOSURE	2	EXHAUST GRILLE AND FILTER KIT	A-EXGR275	HOFFMAN	EH0008A00
ENCLOSURE	1	STEEL BACK PLATE 68 X 68	A-72P72	HOFFMAN	EH0017A18
MCP	1	HANDLE & OP MECH KIT/ SE,SF MCP/ROTARY TYPE	SEFHM2	GENERAL ELECTRIC	EH0032A00
MCP	1	BRACKET, MNTG FOR GE SE MCP 4 X 6 X4	EH0065A25	BALDOR	EH0065A25
ENCLOSURE	6	CASTER, WHEEL DIA 3 INCHES, LOAD 250LB	SUX73	GRAINGER	EH0458B92
F3	1	FUSE CLASS CC TD, 7A, 250V, FERRULE	FNM-7	BUSSMAN	FU0029A29
F1	1	FUSE CLASS CC TD, 5A 600V	FNQ-R-5	BUSSMAN	FU0030A00
F2	1	FUSE CLASS CC TD, 5A 600V	FNQ-R-5	BUSSMAN	FU0030A00
FAN1	1	FINGER GUARD FOR ROTRON FAN	550272	COMAIR ROTRON	HA1170A01
FAN2	1	FINGER GUARD FOR ROTRON FAN	550272	COMAIR ROTRON	HA1170A01
FAN3	1	FINGER GUARD FOR ROTRON FAN	550272	COMAIR ROTRON	HA1170A01
FAN4	1	FINGER GUARD FOR ROTRON FAN	550272	COMAIR ROTRON	HA1170A01
Misc	1	5-1/2" WIRE TIE	HW3207A01	BALDOR	HW3207A01
Misc	1	SPIRAL WIRE WRAP 3/8 INCH	T38F-C		HW3211A00
Misc	1	TIE MT, SM ADHESIVE BACK, 1"x1"	V6911432		HW3214A00
CTRL1	1	STANDARD HARMONIZED KEYPAD, BLACK, NEMA 4X		BALDOR	KP0022A07

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		Spec.	PN0018B27		FORT SMITH, AR 72901			
		TDR #	580028	Engineer - KIM TRAN	Original		VR420-BC6	Pg. 13 of 26

Bill of materials

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Item designation	Amount	Designation	Type number	Manufacturer	Article number
CTRL2	1	STANDARD HARMONIZED KEYPAD, BLACK, NEMA 4X		BALDOR	KP0022A07
CTRL3	1	STANDARD HARMONIZED KEYPAD, BLACK, NEMA 4X		BALDOR	KP0022A07
Labels	1	LABEL, ADHESIVE, SET UP PROCEDURE	LB0002A00	BALDOR	LB0002A00
Labels	1	DOT MATRIX PRINT LABEL	LB1239		LB1231
Labels	1	BALDOR CONTROL PANEL	LB1232		LB1232
Labels	1	UL/CUL LABEL - ENCLOSED	5080201-S1844		LB1262A02
TB4	1	ENTRELEC TB LABEL SET (1-10)	LB9009A06	Entrelec	LB9009A06
TB5	1	ENTRELEC TB LABEL SET (1-10)	LB9009A06	Entrelec	LB9009A06
TB4	1	ENTRELEC TB LABEL SET (11-20)	LB9009A07	Entrelec	LB9009A07
TB4	1	ENTRELEC TB LABEL SET (21-30)	LB9009A08	Entrelec	LB9009A08
TB1	1	ENTRELEC TB LABEL SET (21-30)	LB9009A08	Entrelec	LB9009A08
TB2	1	ENTRELEC TB LABEL SET (21-30)	LB9009A08	Entrelec	LB9009A08
TB3	1	ENTRELEC TB LABEL SET (21-30)	LB9009A08	Entrelec	LB9009A08
FAN1	1	MOLDED PLUG AND CORD	CRD0015	LECTRON	LD5100A00
FAN2	1	MOLDED PLUG AND CORD	CRD0015	LECTRON	LD5100A00
FAN3	1	MOLDED PLUG AND CORD	CRD0015	LECTRON	LD5100A00
FAN4	1	MOLDED PLUG AND CORD	CRD0015	LECTRON	LD5100A00
CABLES	2	5 FT. KEYPAD CABLE ASM. SERIES 15H	CBLH015KP	BALDOR	LD5103A00
CABLES	4	15 FT. KEYPAD CABLE ASM. SERIES 15H	CBLH046KP	BALDOR	LD5103A02
CABLES	3	CABLE ASSM 22-PIN TERMINAL BLOCK 52"	LD5104A01	BALDOR	LD5104A01
LR1B	1	LINE REACTOR, 480V, 35A, 3%Z	KLRUL35ATB	TCI	LR0013A06
LR2B	1	LINE REACTOR, 480V, 35A, 3%Z	KLRUL35ATB	TCI	LR0013A06
LR3B	1	LINE REACTOR, 480V, 35A, 3%Z	KLRUL35ATB	TCI	LR0013A06
LR1A	1	LR 1.25" 460V 3PH 35A 0.8MH 25HP	RL-03502	BALDOR	LR0039A02
LR2A	1	LR 1.25" 460V 3PH 35A 0.8MH 25HP	RL-03502	BALDOR	LR0039A02
LR3A	1	LR 1.25" 460V 3PH 35A 0.8MH 25HP	RL-03502	BALDOR	LR0039A02
CABLES	240	16 AWG UL 1015 WHITE	ML1300A16	BALDOR	ML1300A16
CABLES	240	16 AWG UL 1015 RED	ML1300C16	BALDOR	ML1300C16
CABLES	480	20 AWG UL 1015 BLUE	ML1300E20		ML1300E20
Cables	60	4 AWG THHN 600V BLACK	THHN-4BLK	CAROL	ML2700B04
Cables	600	10 AWG THHN 600V BLACK	THHN-10BLK	CAROL	ML2700B10
Cables	240	10 AWG, GREEN W/YEL STRIPE, 90C, UL	ML2755D10		ML2755D10
Cables	24	14 AWG, GREEN W/YEL STRIPE, 90C, UL	ML2755D14		ML2755D14
CABLES	240	CORD, UL2919-30V-80 DEG. C - ENCODER CABLE	9891		ML6017A01
PENDANT	2100	MULTI-COND CBL, 4 PR. SHIELDED 600V, 16AWG	1039A		ML6017A04
CABLES	360	CORD, #22-4, 300V, SHIELDED (RD/WH/BLK/GR) #9940B			ML6022K20
CABLES	240	22-2 TWISTED PAIR, 22 AWG, SHIELDED 80C CABLE	82761		ML6032K02
Labels	1	DUMMY NAMEPLATE, DATA ONLY			NP0000PN
H-O-A	1	NAME PLATE HOLDER PLASTIC	P9ARTBS	GENERAL ELECTRIC	NP0828A00
HORNACTIVATION	1	NAME PLATE HOLDER PLASTIC	P9ARTBS	GENERAL ELECTRIC	NP0828A00
E-STOP	1	NAME PLATE HOLDER PLASTIC	P9ARTBS	GENERAL ELECTRIC	NP0828A00
PENDANT-ON-OFF	1	NAME PLATE HOLDER PLASTIC	P9ARTBS	GENERAL ELECTRIC	NP0828A00
PENDANT-HORNACTIVATION	1	NAME PLATE HOLDER PLASTIC	P9ARTBS	GENERAL ELECTRIC	NP0828A00
E-STOP	1	NAME PLATE INSERT 'EMERGENCY STOP'	NP0829A25	GENERAL ELECTRIC	NP0829A25
H-O-A	1	NAME PLATE INSERT BLANK	P9ACPBS	GENERAL ELECTRIC	NP0829A43
HORNACTIVATION	1	NAME PLATE INSERT BLANK	P9ACPBS	GENERAL ELECTRIC	NP0829A43
PENDANT-ON-OFF	1	NAME PLATE INSERT BLANK	P9ACPBS	GENERAL ELECTRIC	NP0829A43
PENDANT-HORNACTIVATION	1	NAME PLATE INSERT BLANK	P9ACPBS	GENERAL ELECTRIC	NP0829A43
CTRL1	3	BLANK NAMEPLATE 1"x 3", PHENOLIC MATERIAL	NP0876A79	BALDOR	NP0876A79
CTRL2	3	BLANK NAMEPLATE 1"x 3", PHENOLIC MATERIAL	NP0876A79	BALDOR	NP0876A79

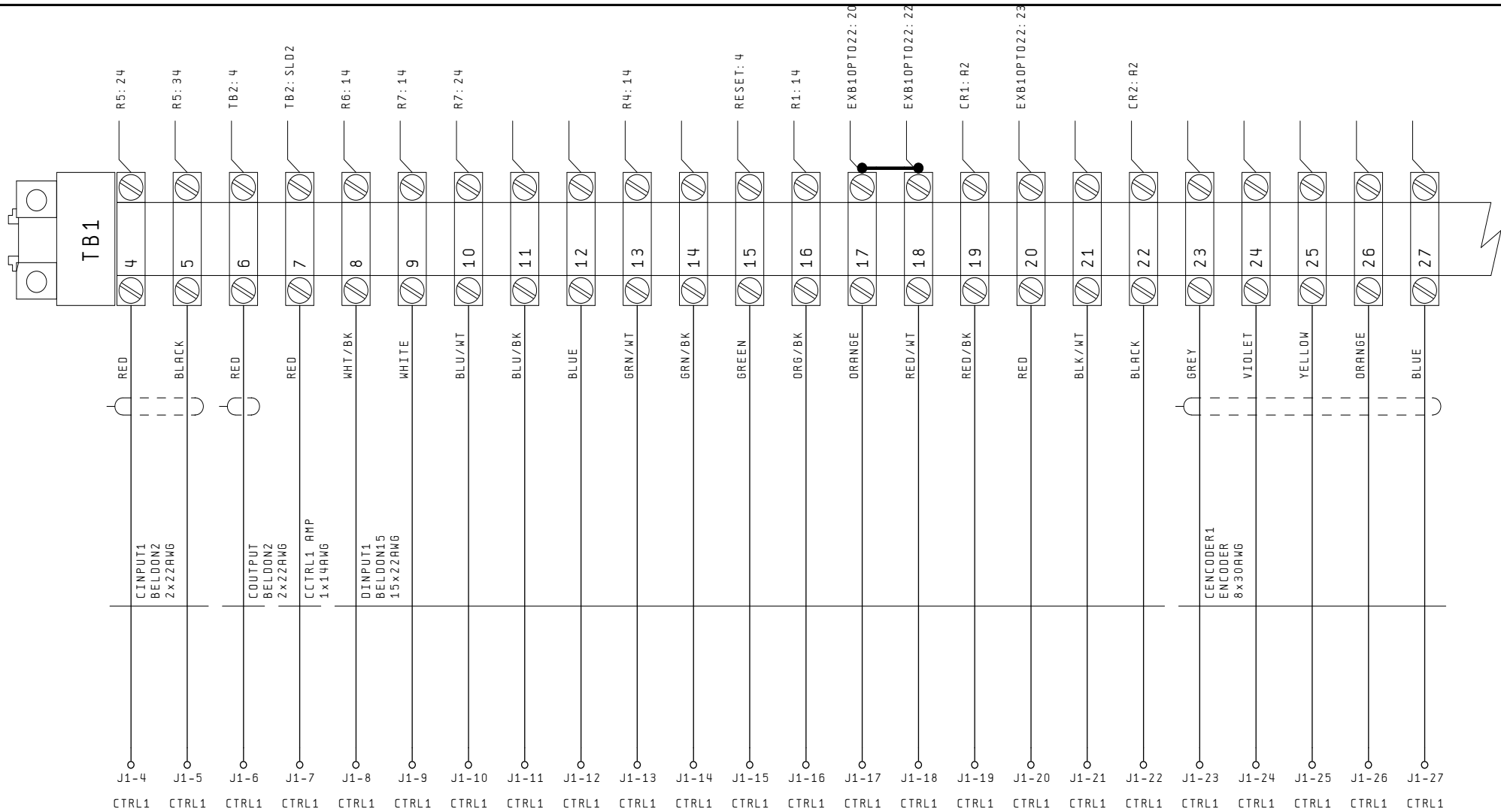
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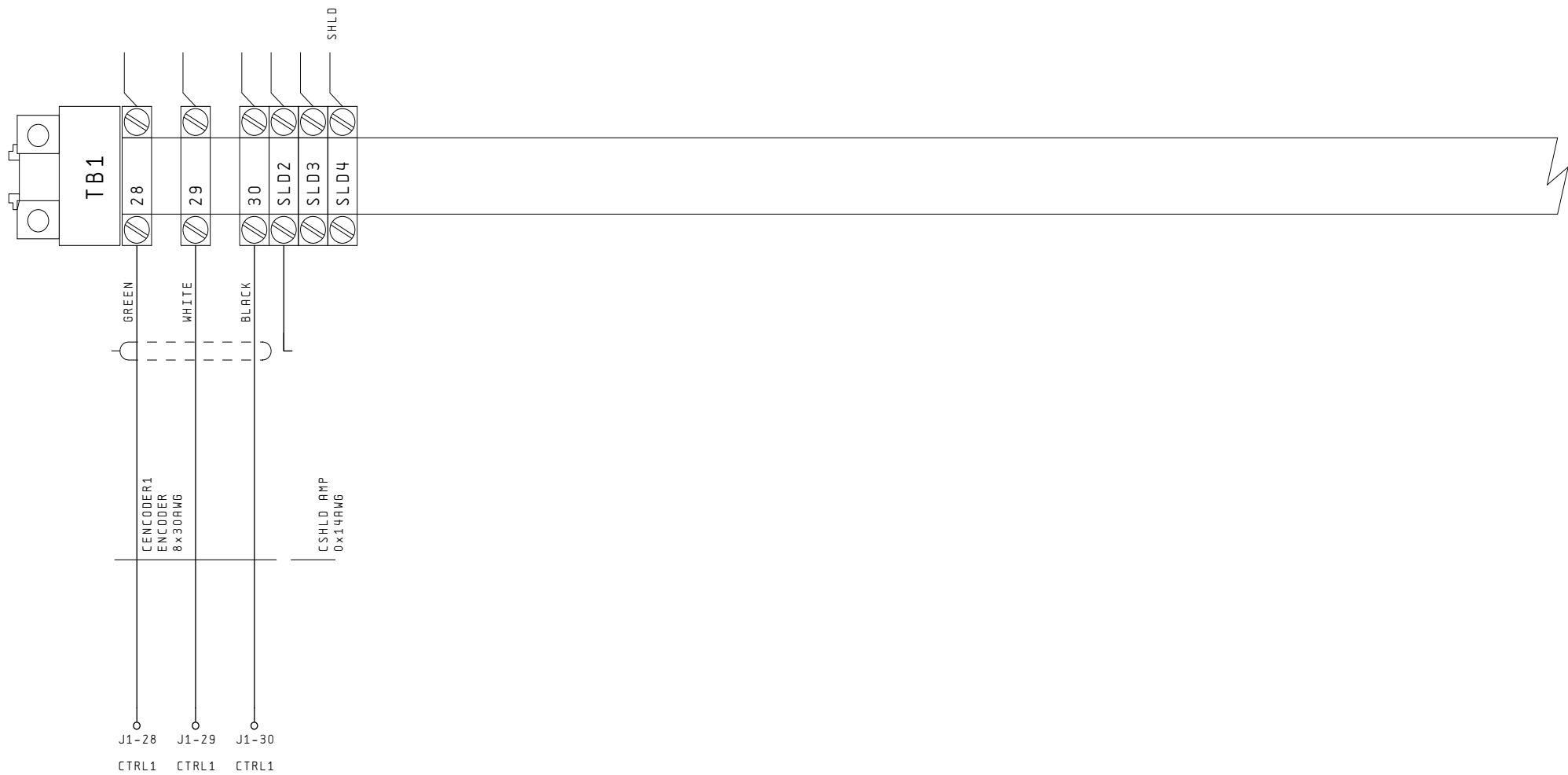
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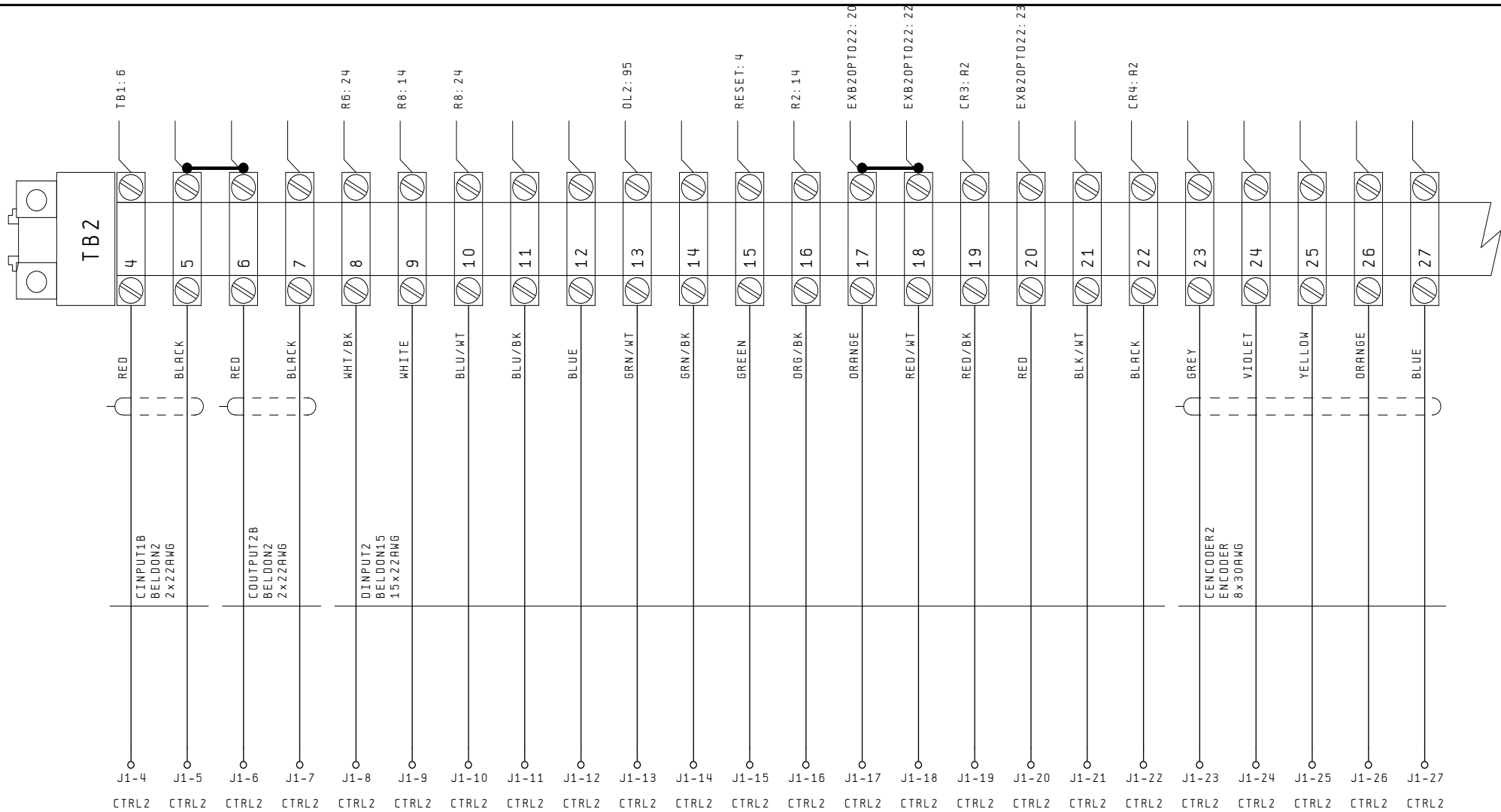
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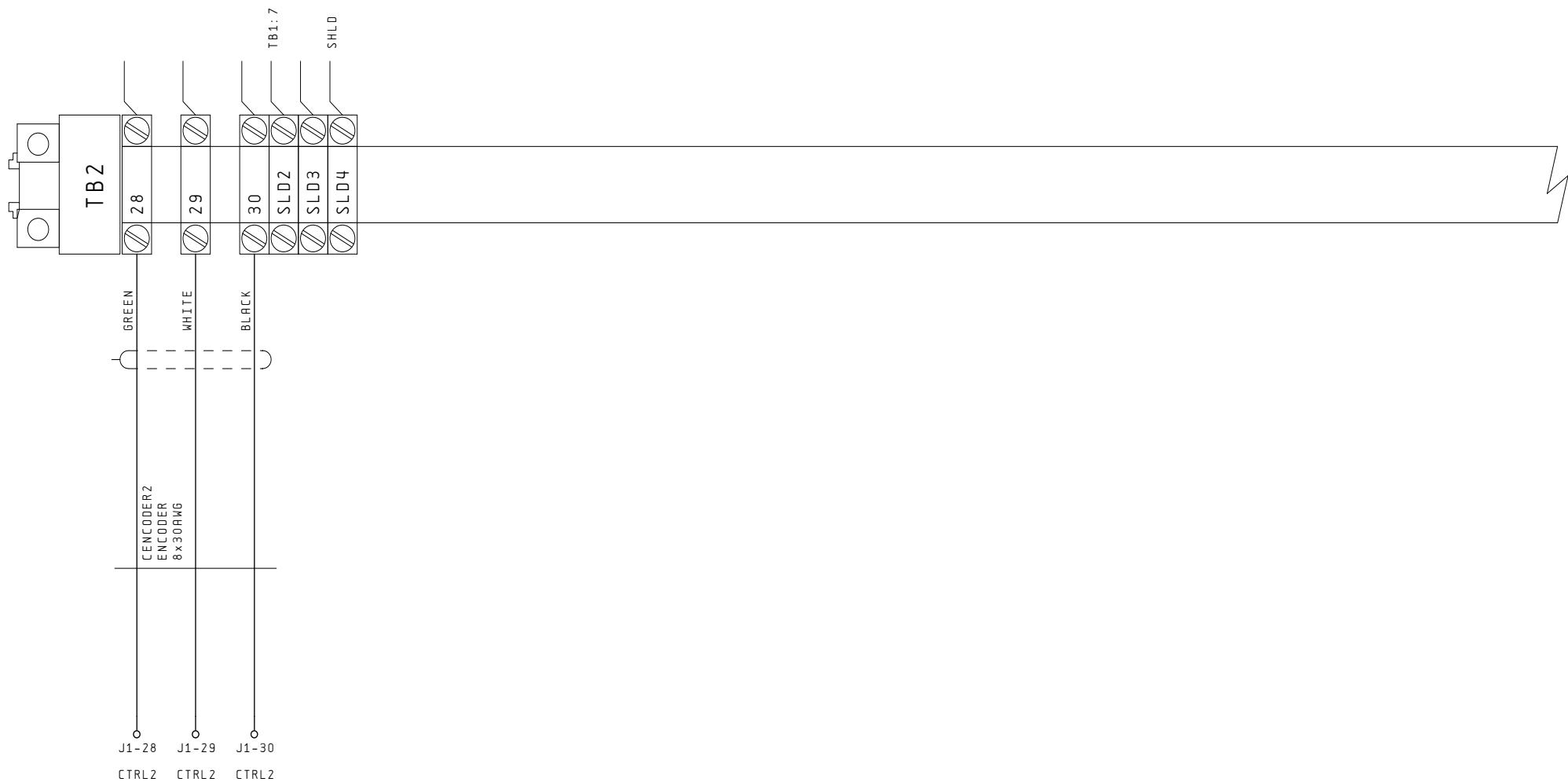
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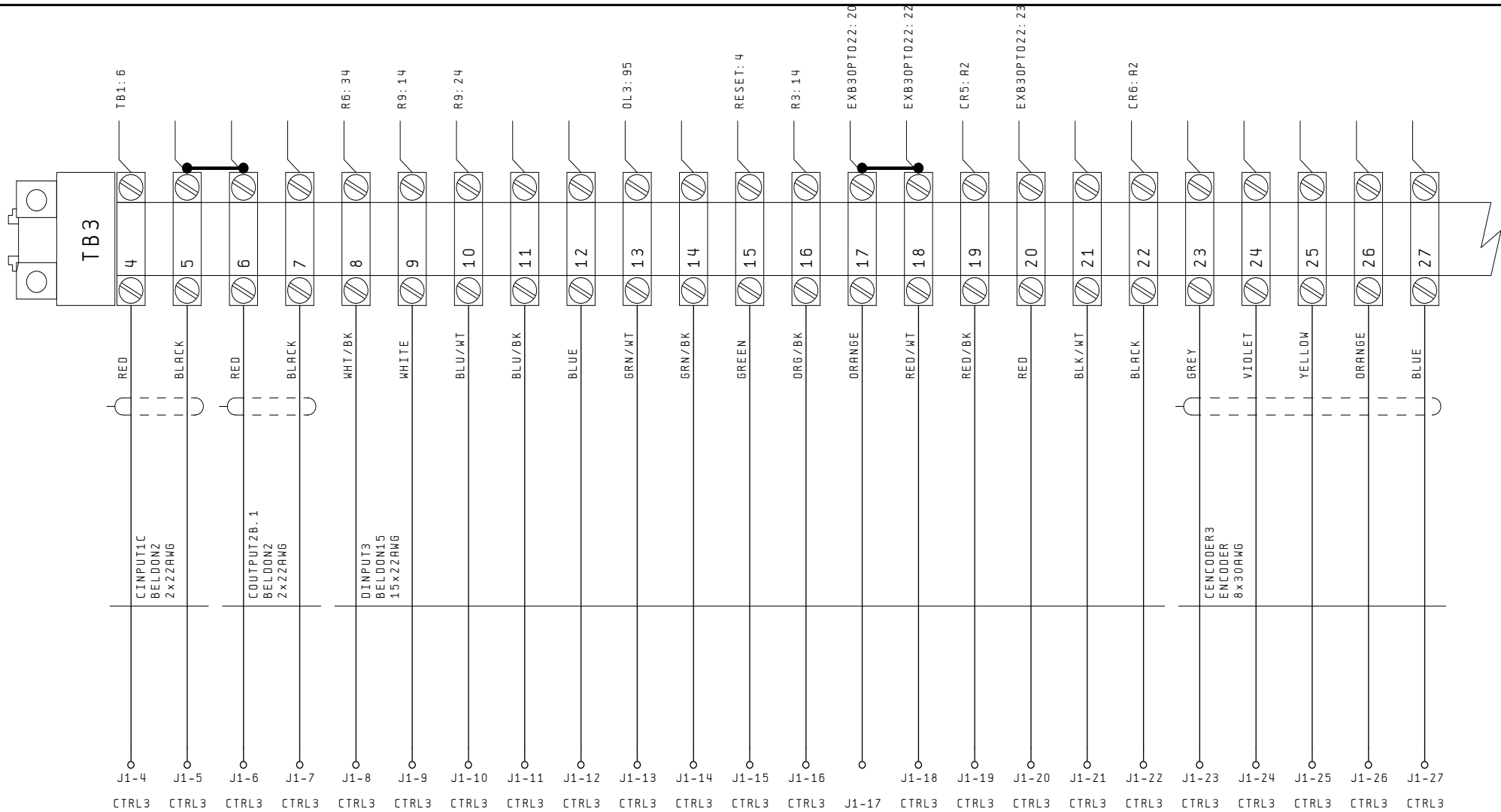


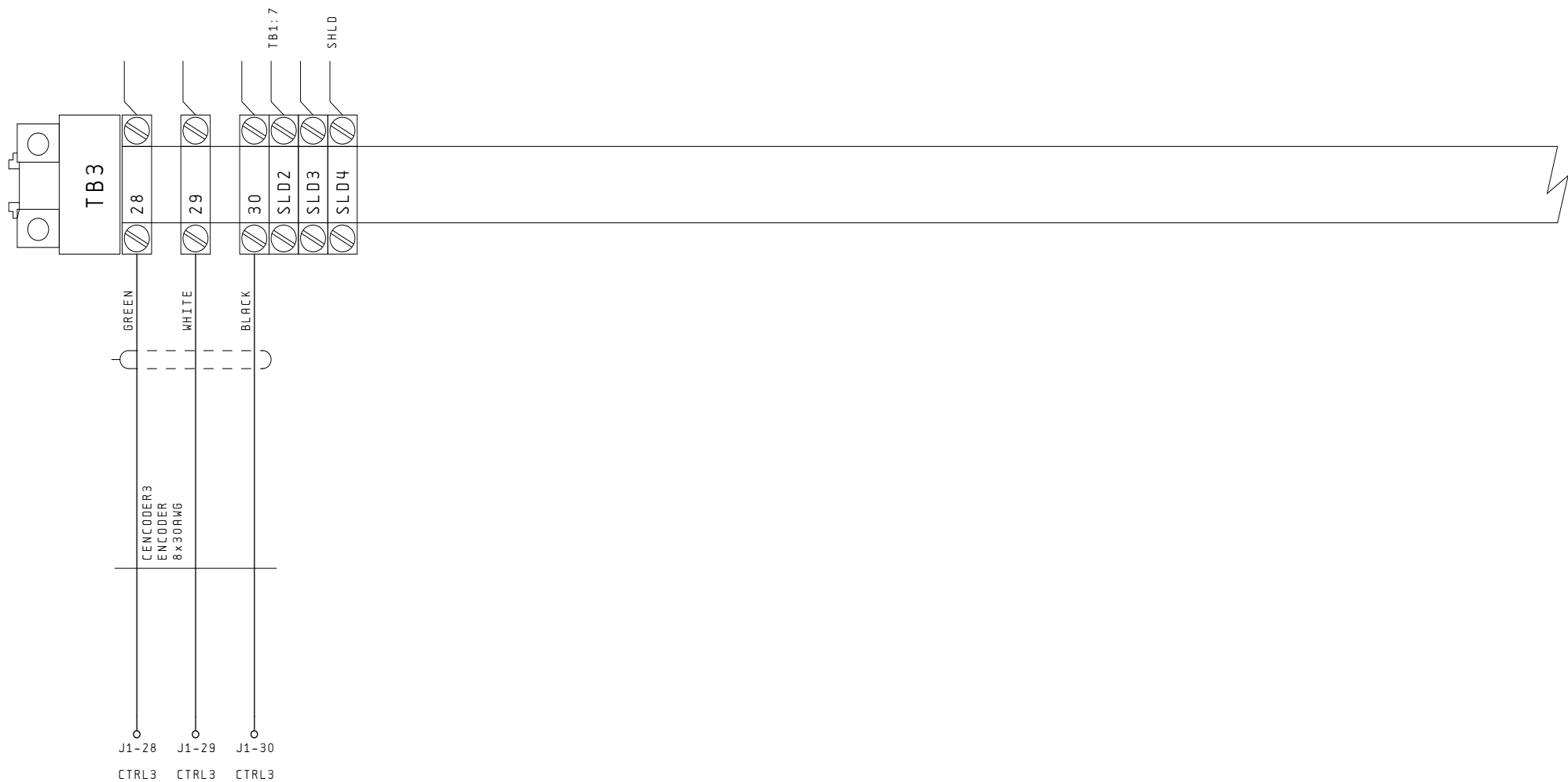
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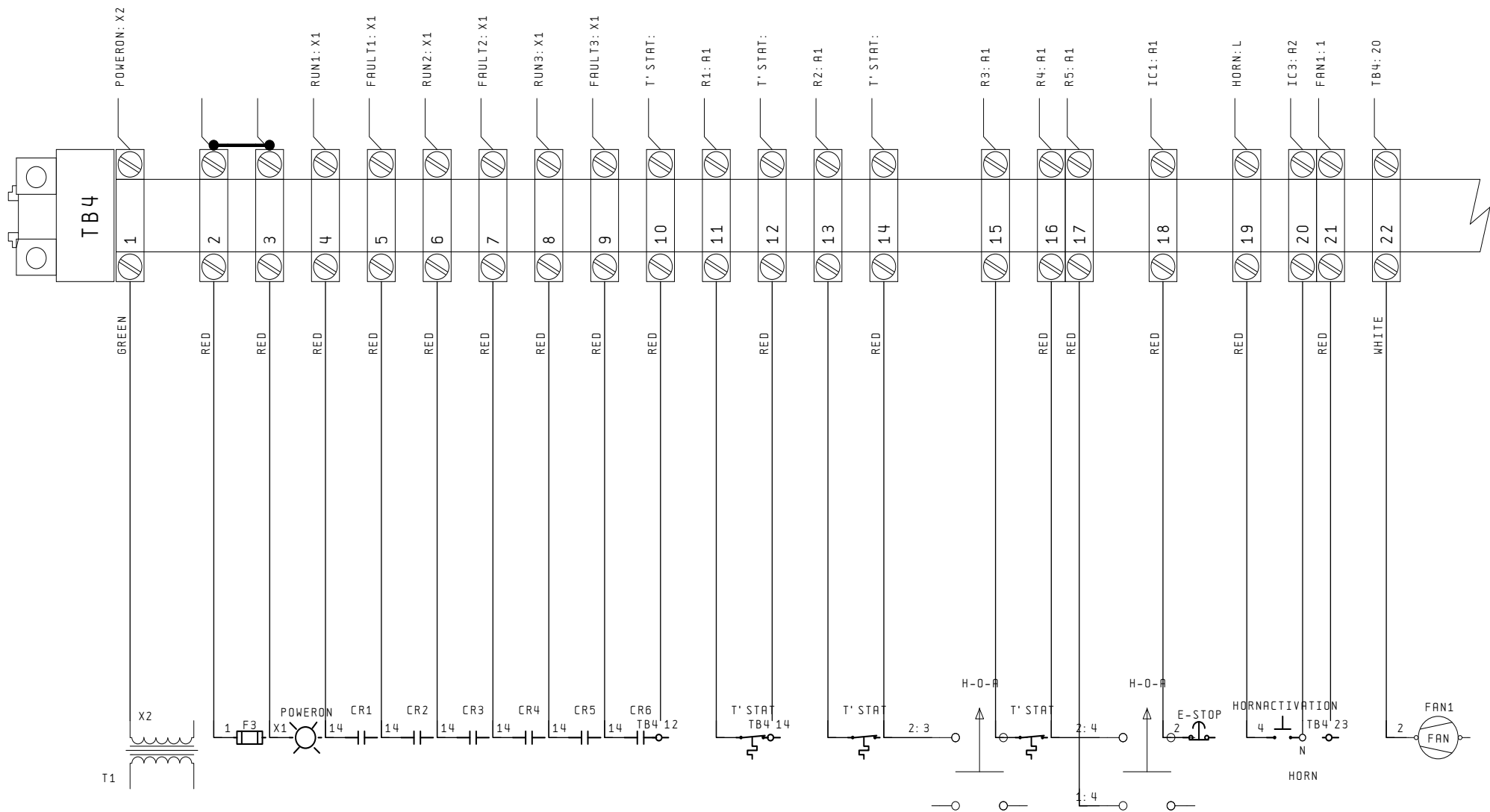


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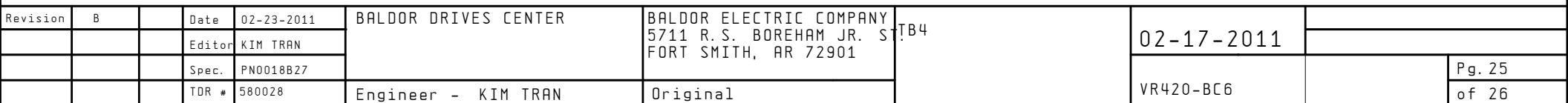


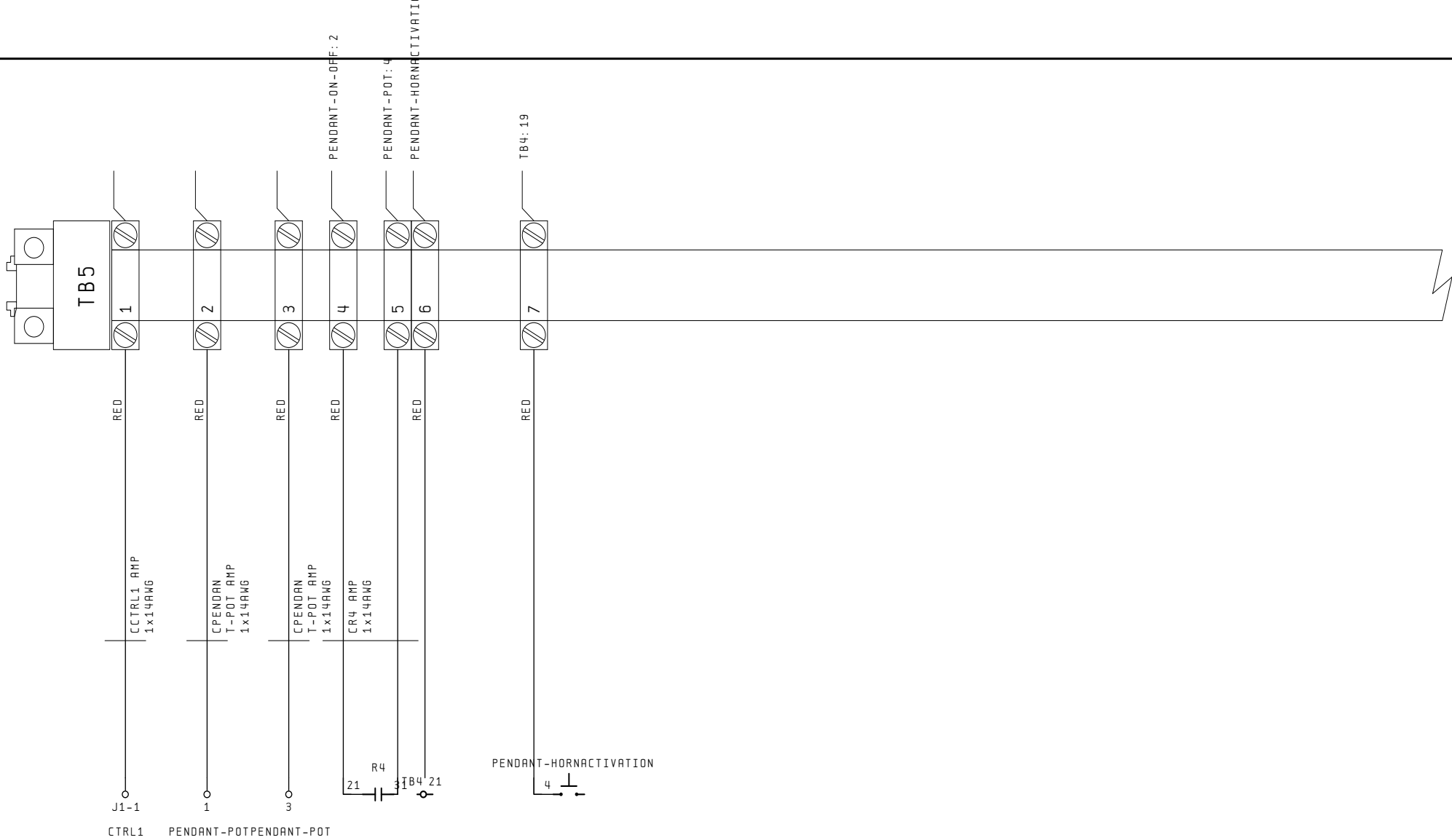


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