

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. : 25

Processed on : 01-21-2011 by : KTT No. of pages : 25

MATL:

REV:

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BALDOR ELECTRIC Co.

VR420-C4

SCALE:

BY:

KTT

REVISED:

02-01-2011

FILE:

TDR:

556787

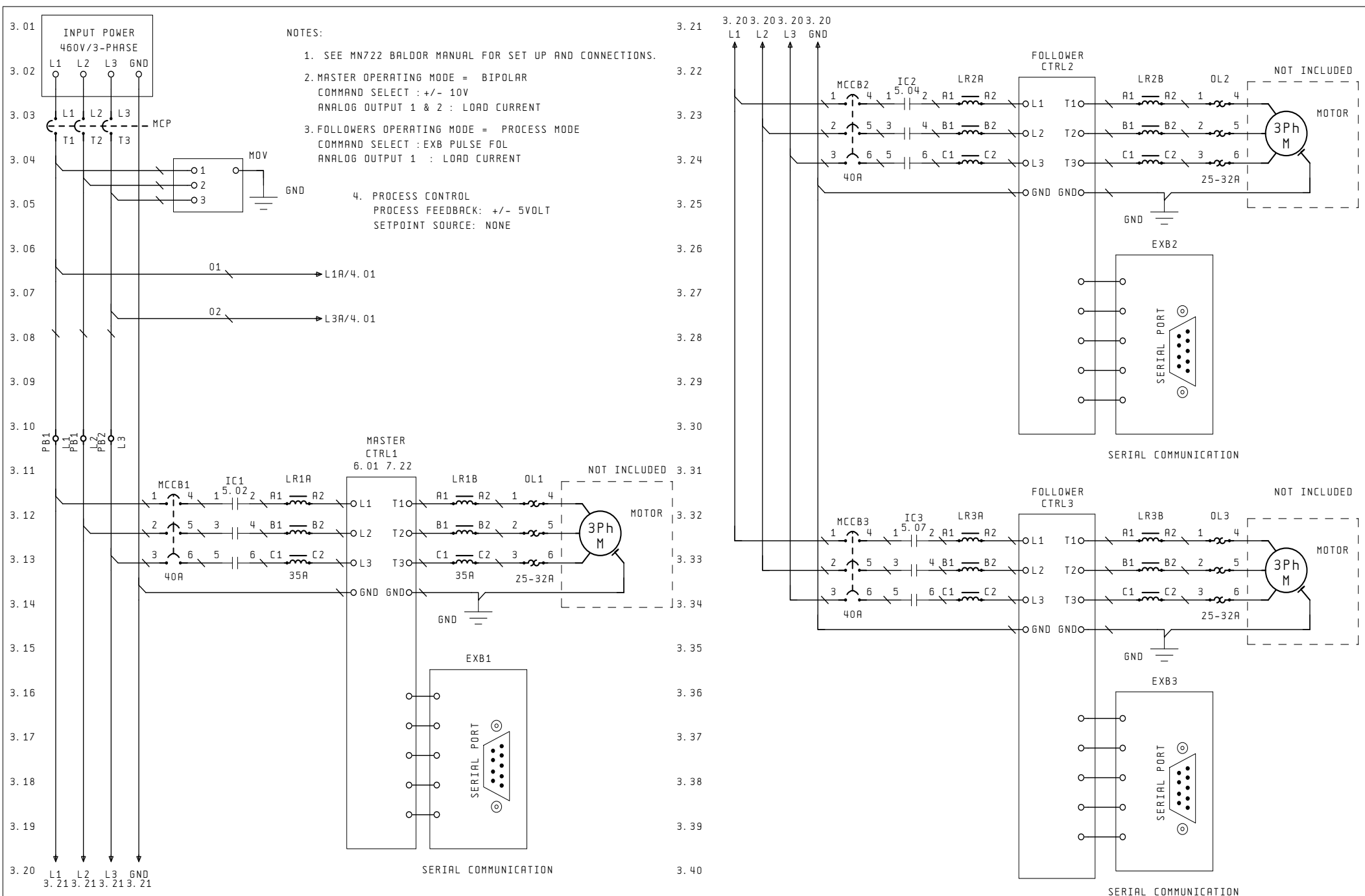
BALDOR COVER SHEET

Page overview

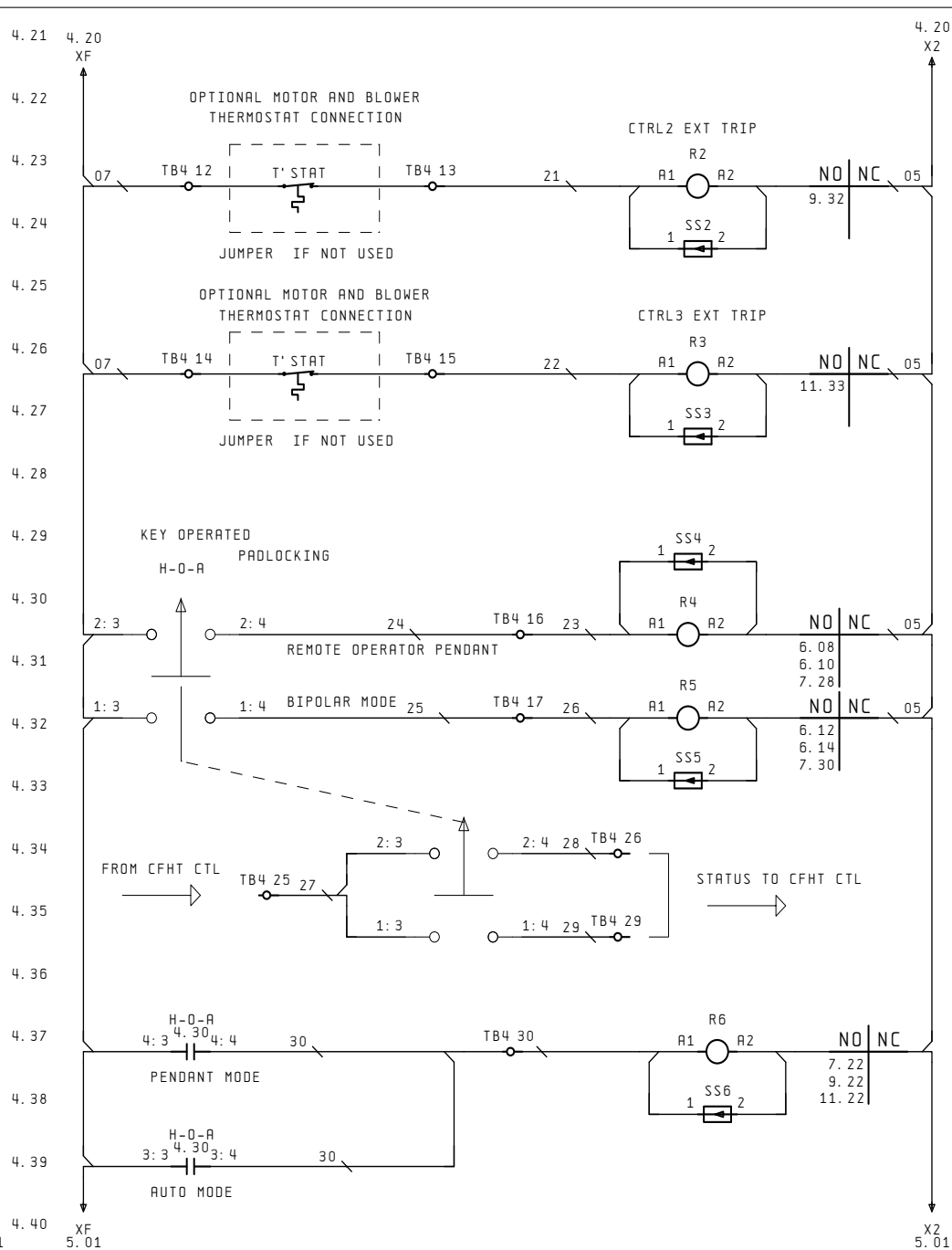
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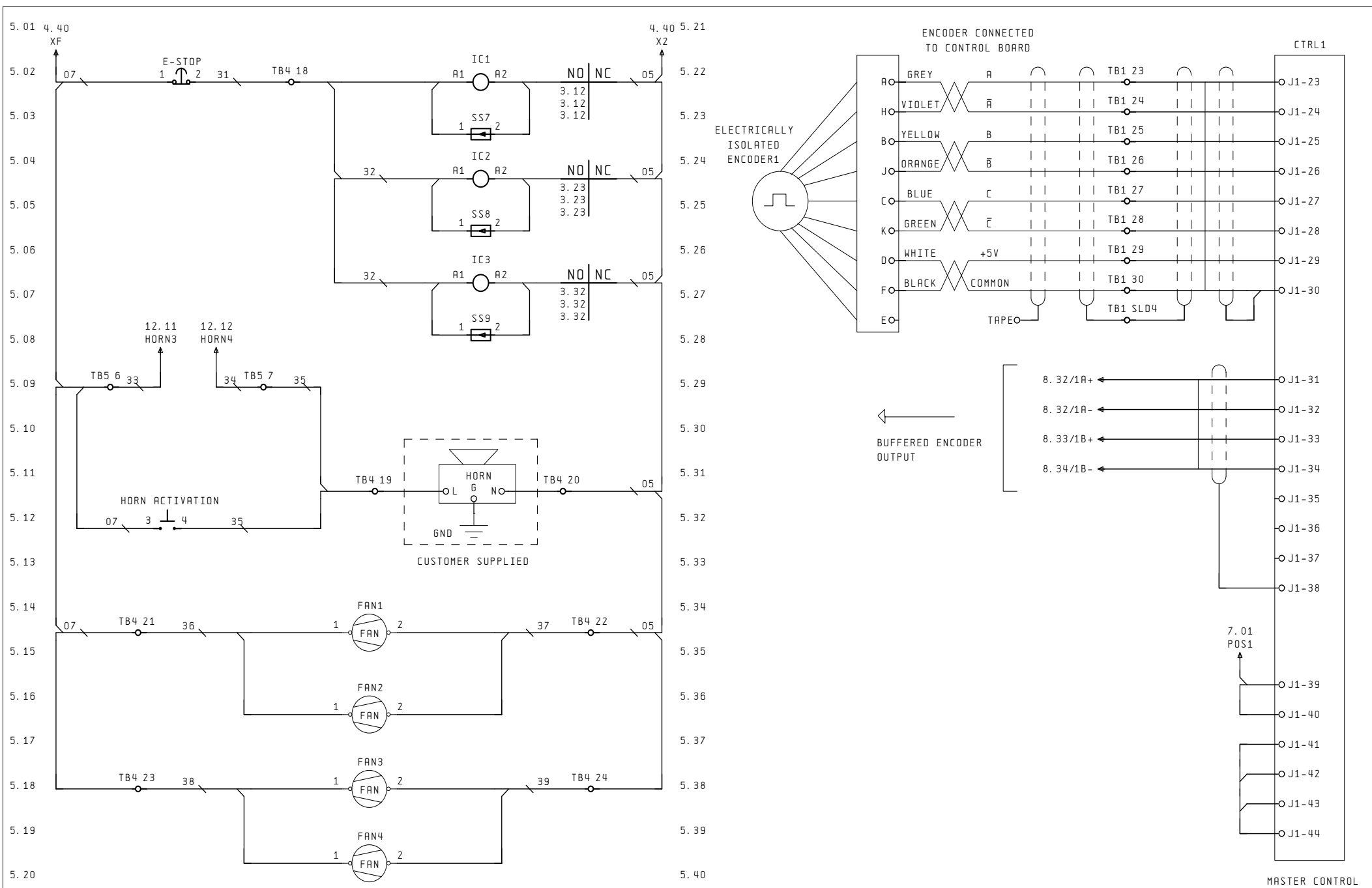
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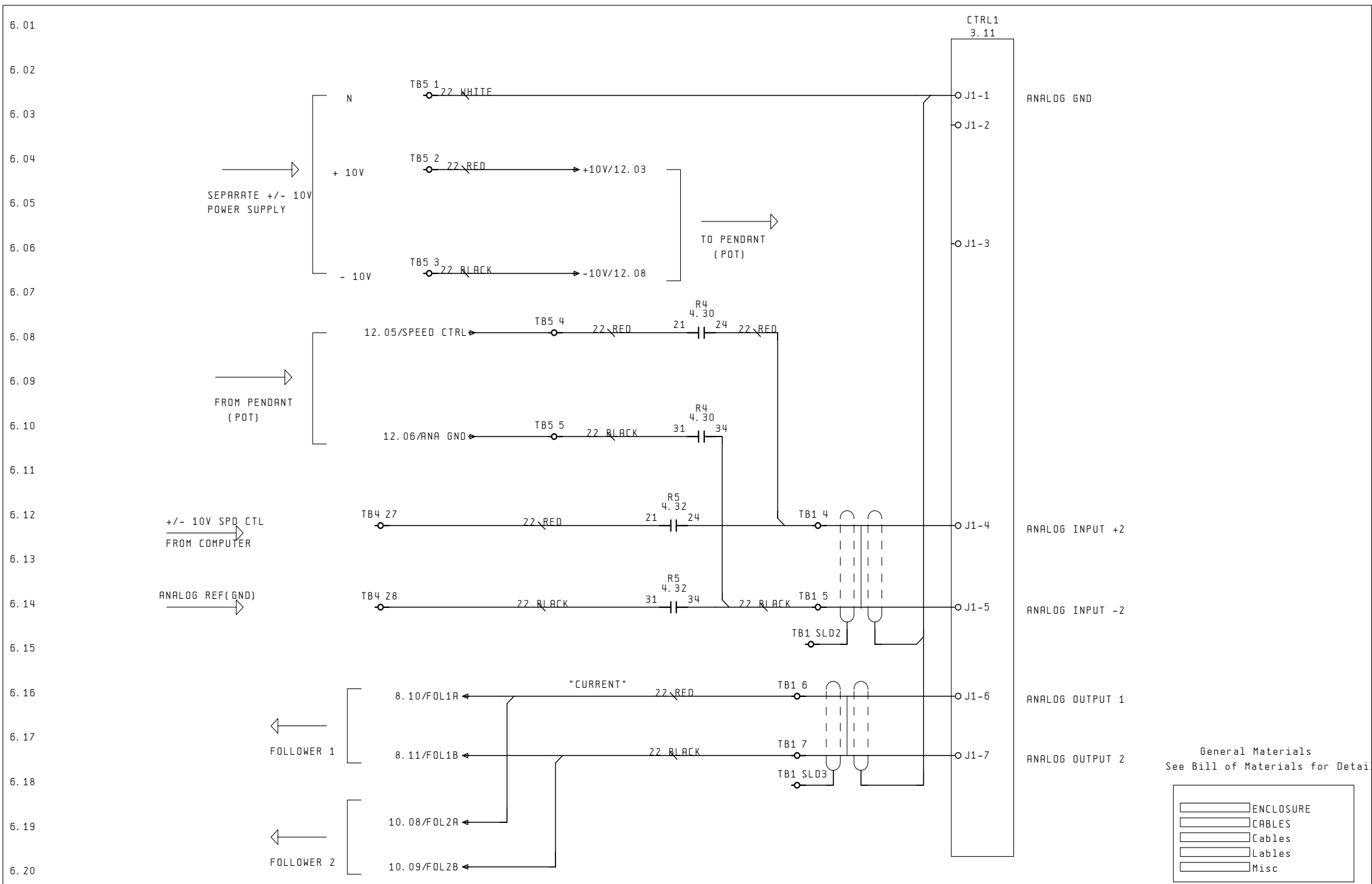
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			Editor	KIM TRAN					
			Spec.	PN0018B27					Pg. 2
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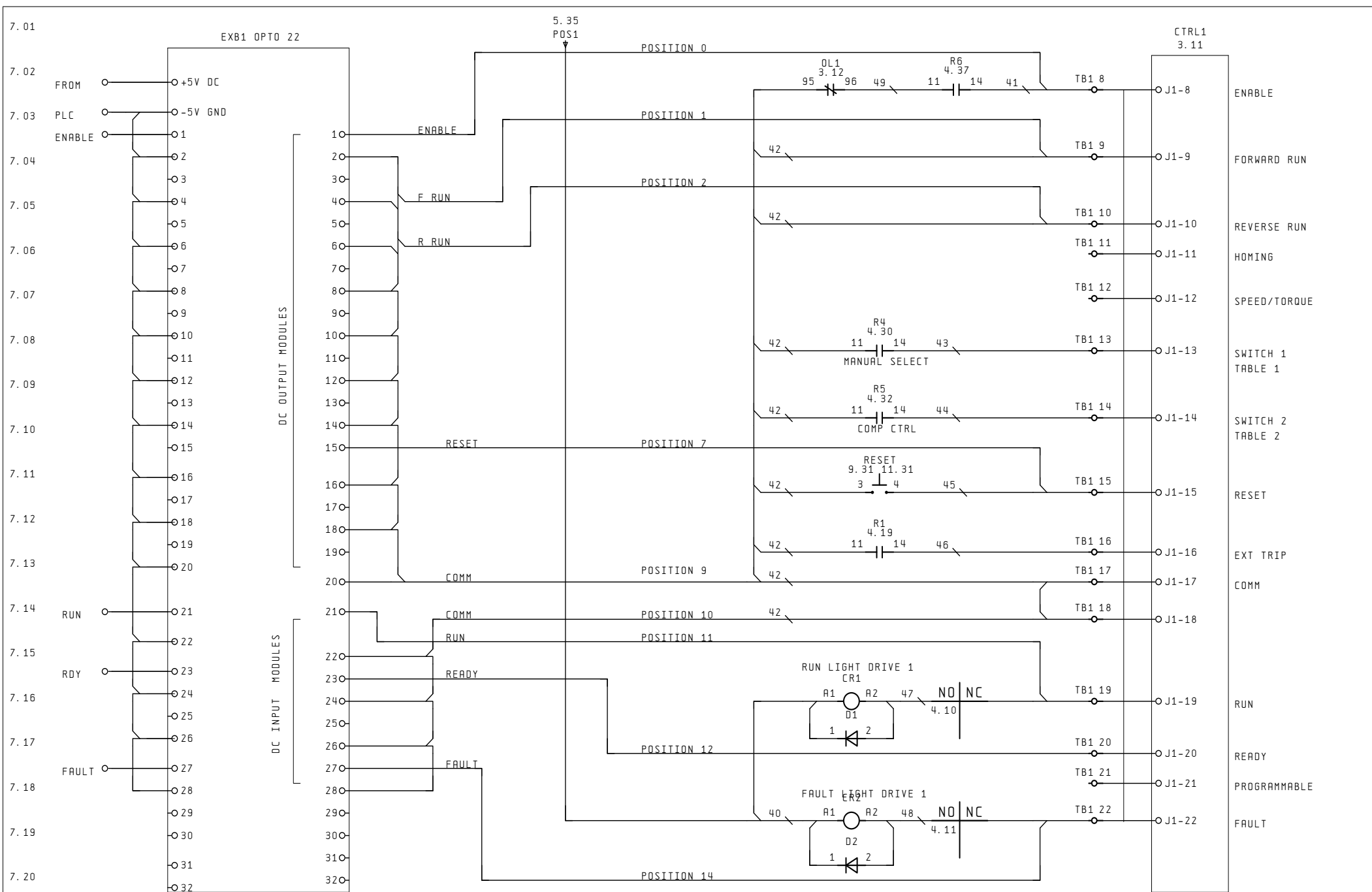


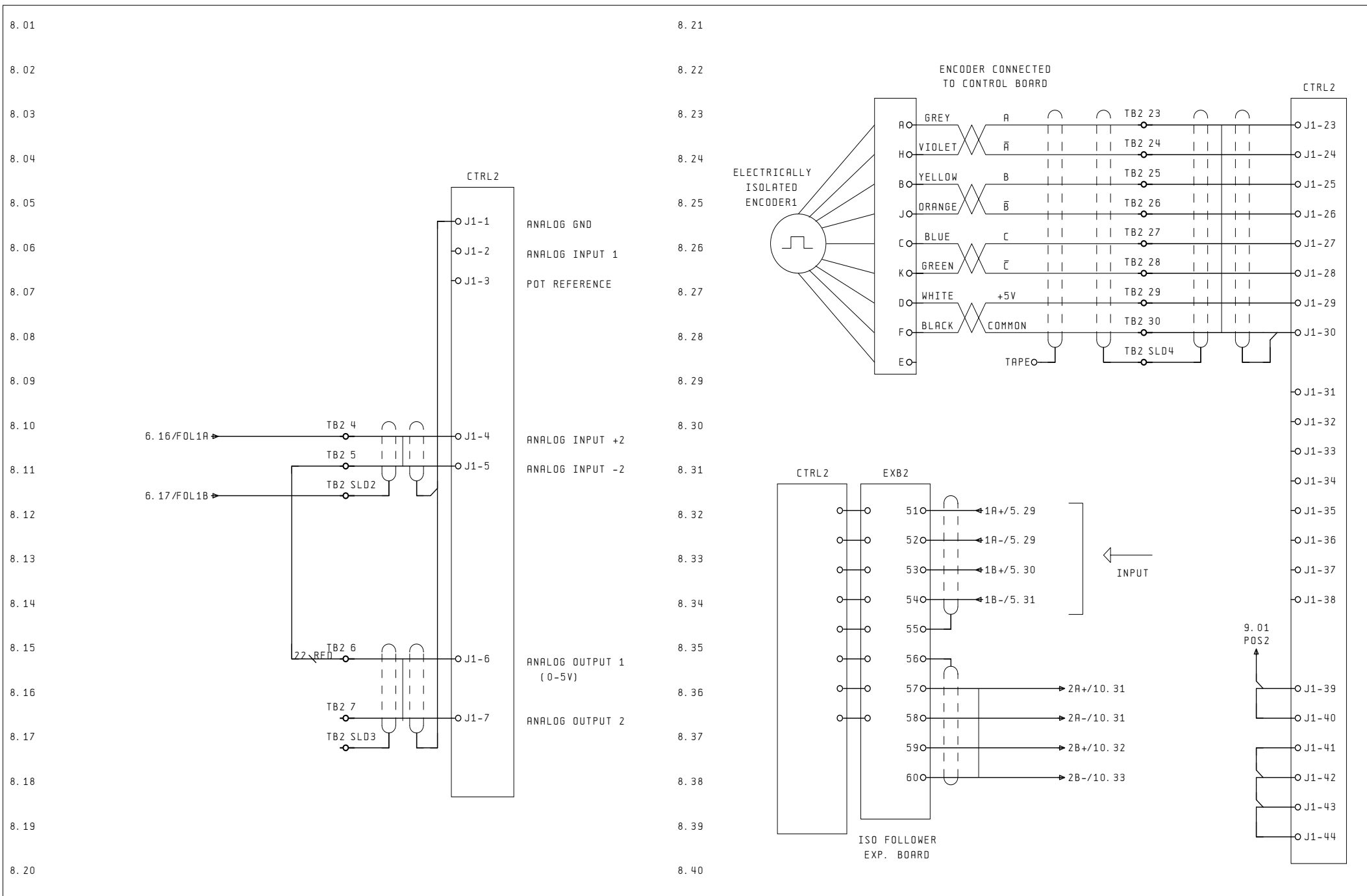
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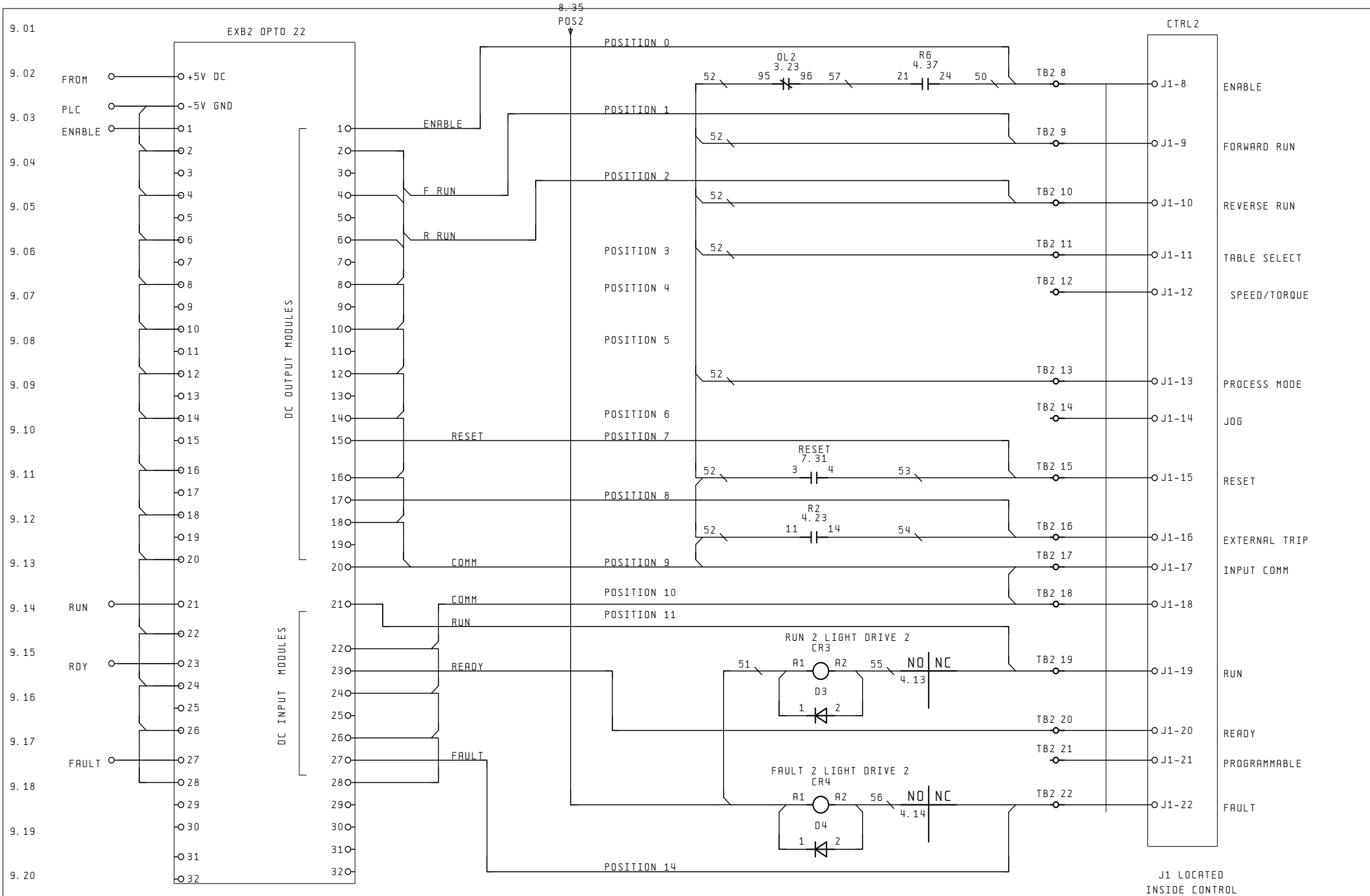
ELECTRICAL SCHEMATIC



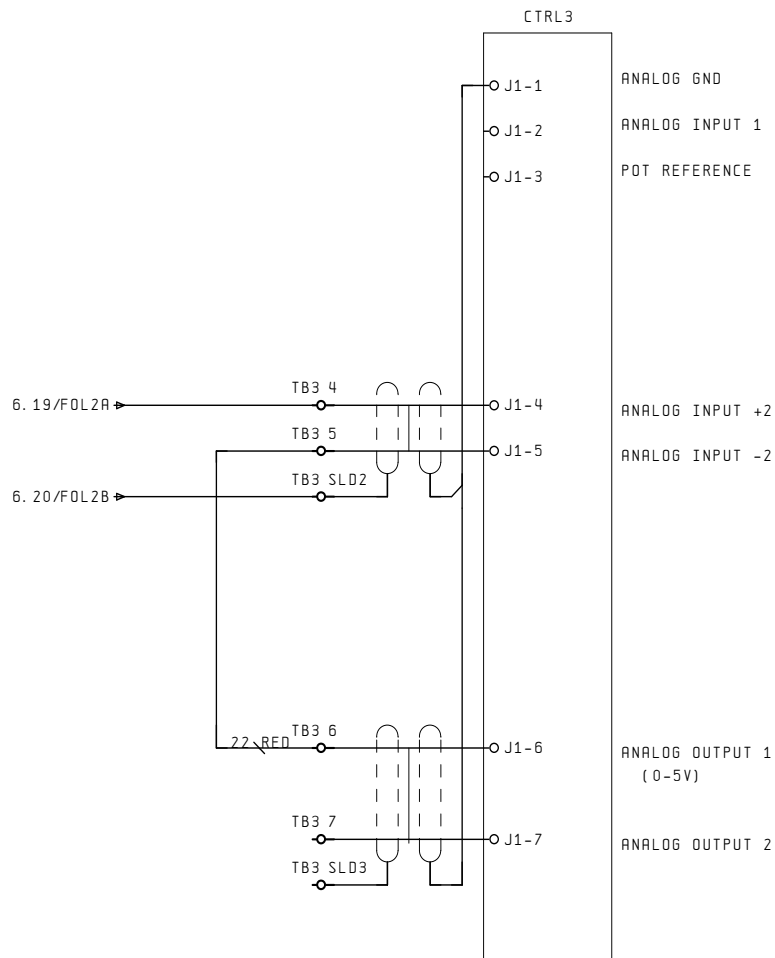




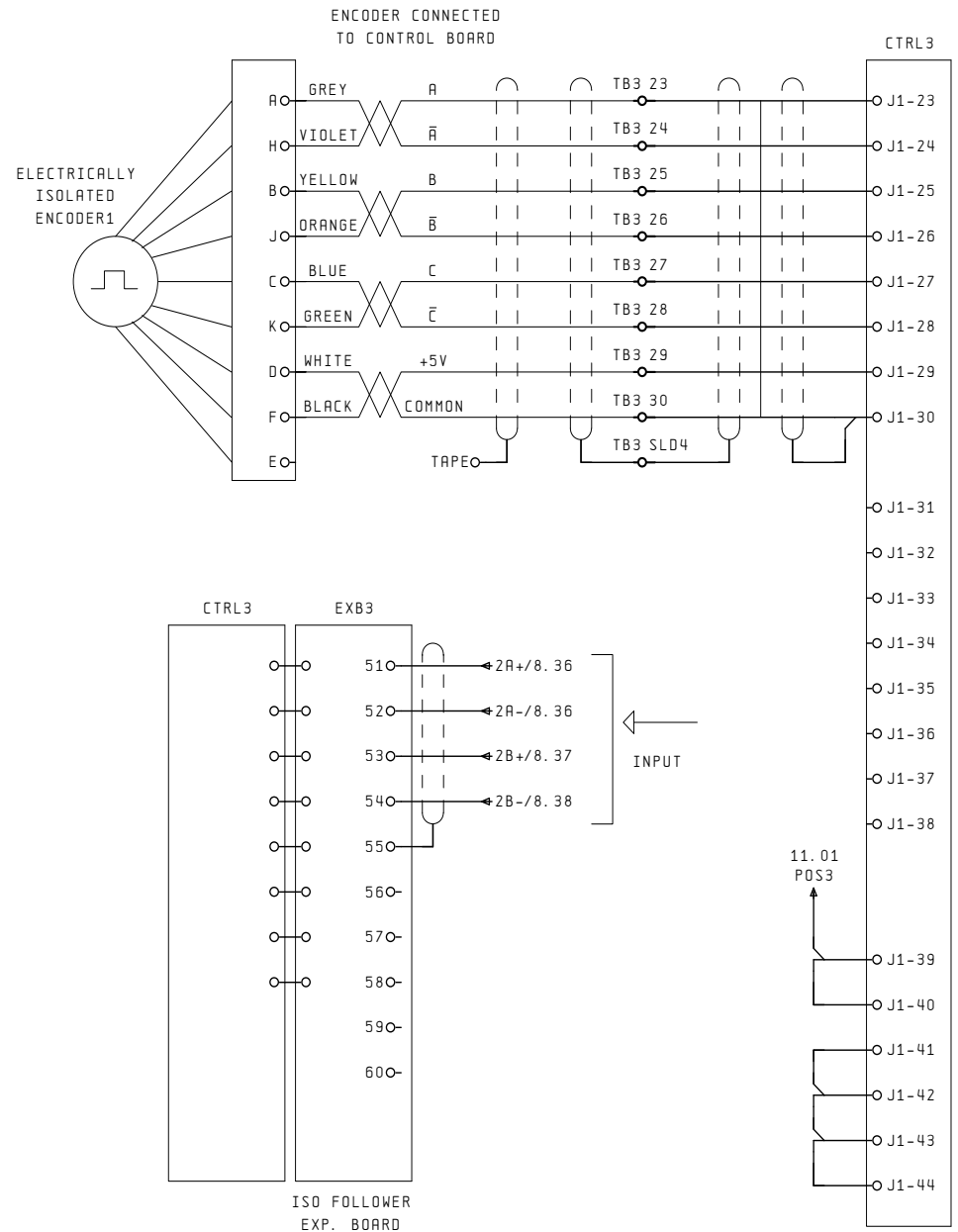




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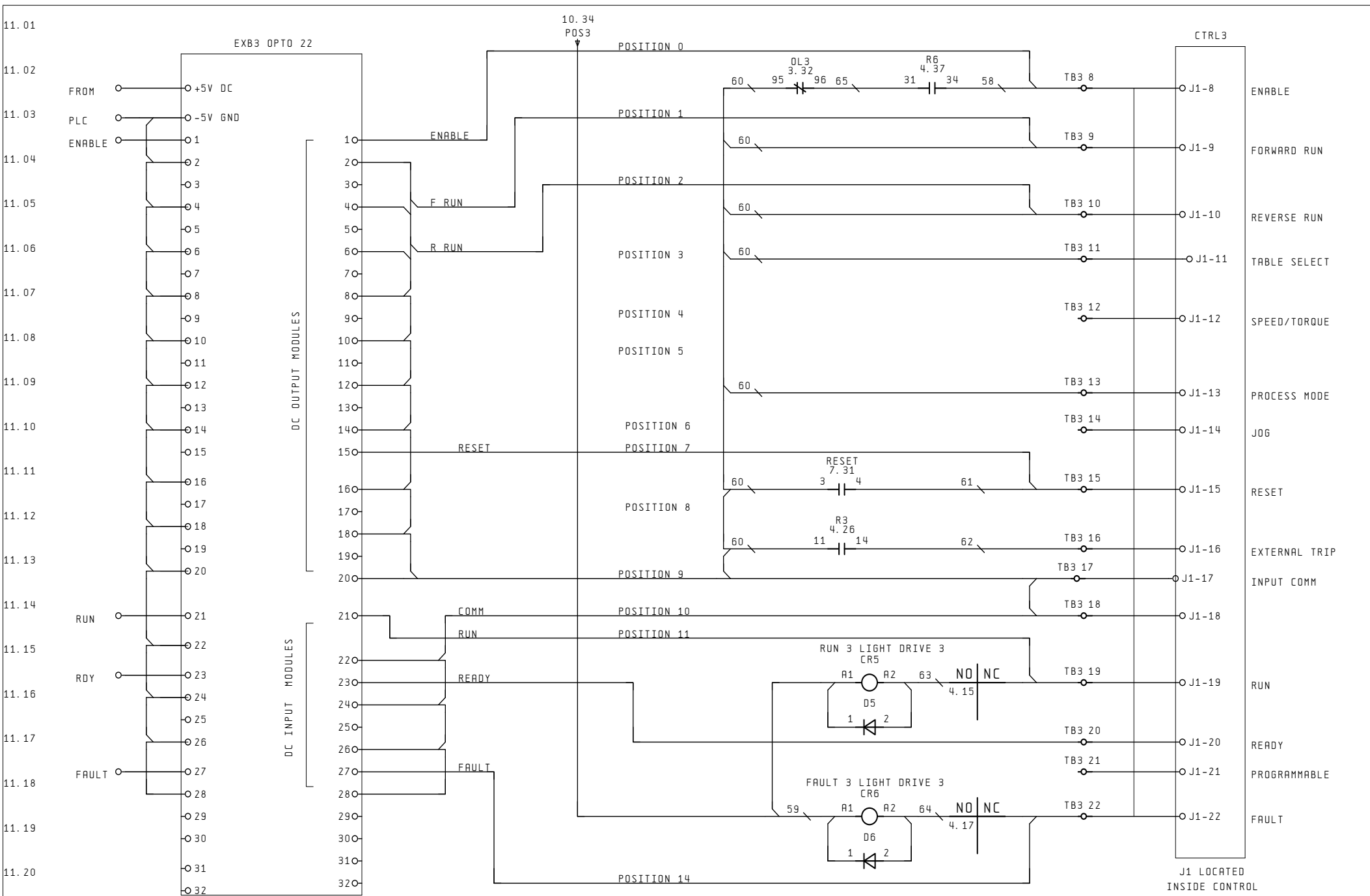


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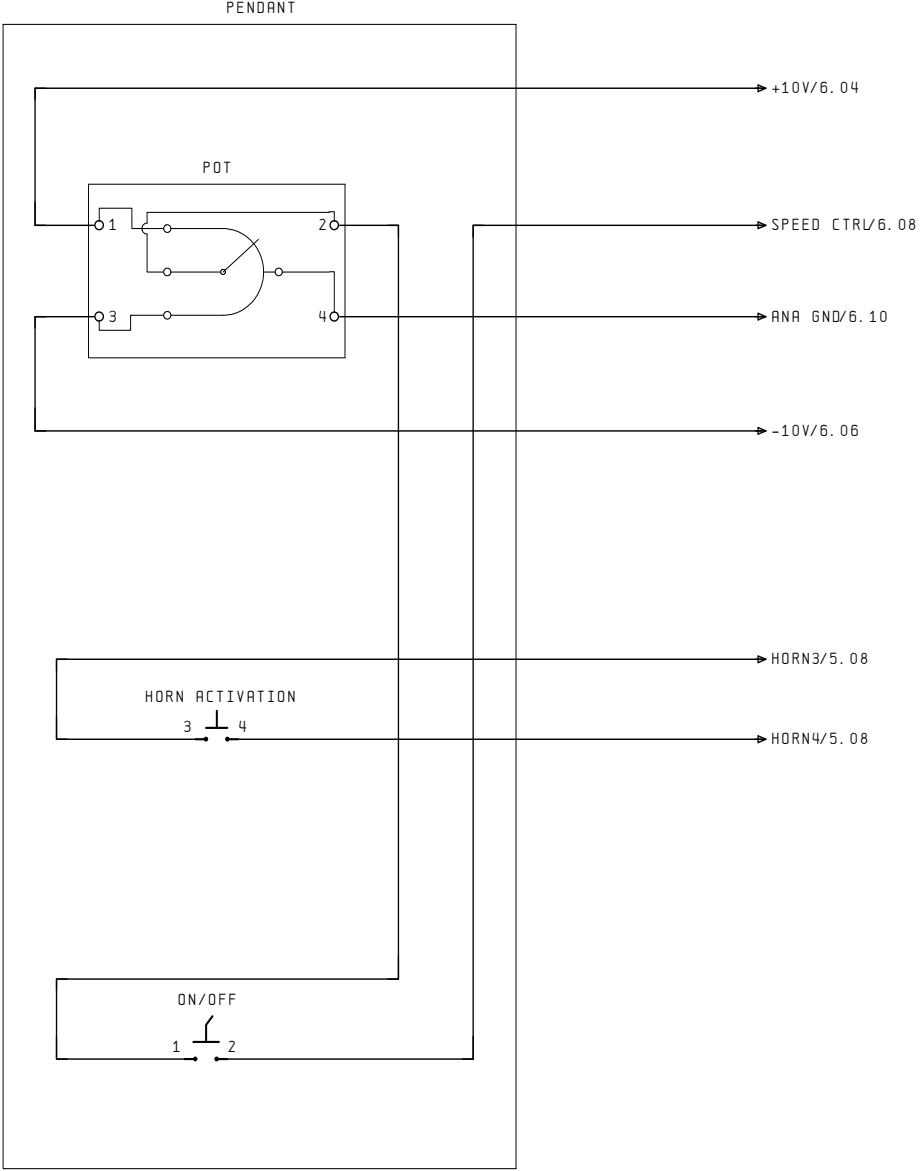
BALDOR ELECTRIC Co.

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ELECTRICAL SCHEMATIC-CONTROL 3



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ELECTRICAL SCHEMATIC-PENDANT

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		Editor	KIM TRAN						
		Spec.	PN0018B27						
		TDR #	556787	Engineer - KIM TRAN	Original		VR420-C4		Pg. 13 of 25

Bill of materials

WUP0001E 01.03.1994

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
Lables	1	LABEL, ADHESIVE, SET UP PROCEDURE	LB0002A00	BALDOR	LB0002A00
Lables	1	DOT MATRIX PRINT LABEL	LB1239		LB1231
Lables	1	BALDOR CONTROL PANEL	LB1232		LB1232
Lables	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	3	15 FT. KEYPAD CABLE ASM. SERIES 15H	CBLH046KP	BALDOR	LD5103A02
CABLES	3	CABLE ASSEMBLY 22-PIN TERMINAL BLOCK 36"	LD5104A00	BALDOR	LD5104A00
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
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
Lables	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
CTRL3	3	BLANK NAMEPLATE 1"x 3", PHENOLIC MATERIAL	NP0876A79	BALDOR	NP0876A79
PENDANT-POT	1	BLANK NAMEPLATE 1"x 3", PHENOLIC MATERIAL	NP0876A79	BALDOR	NP0876A79

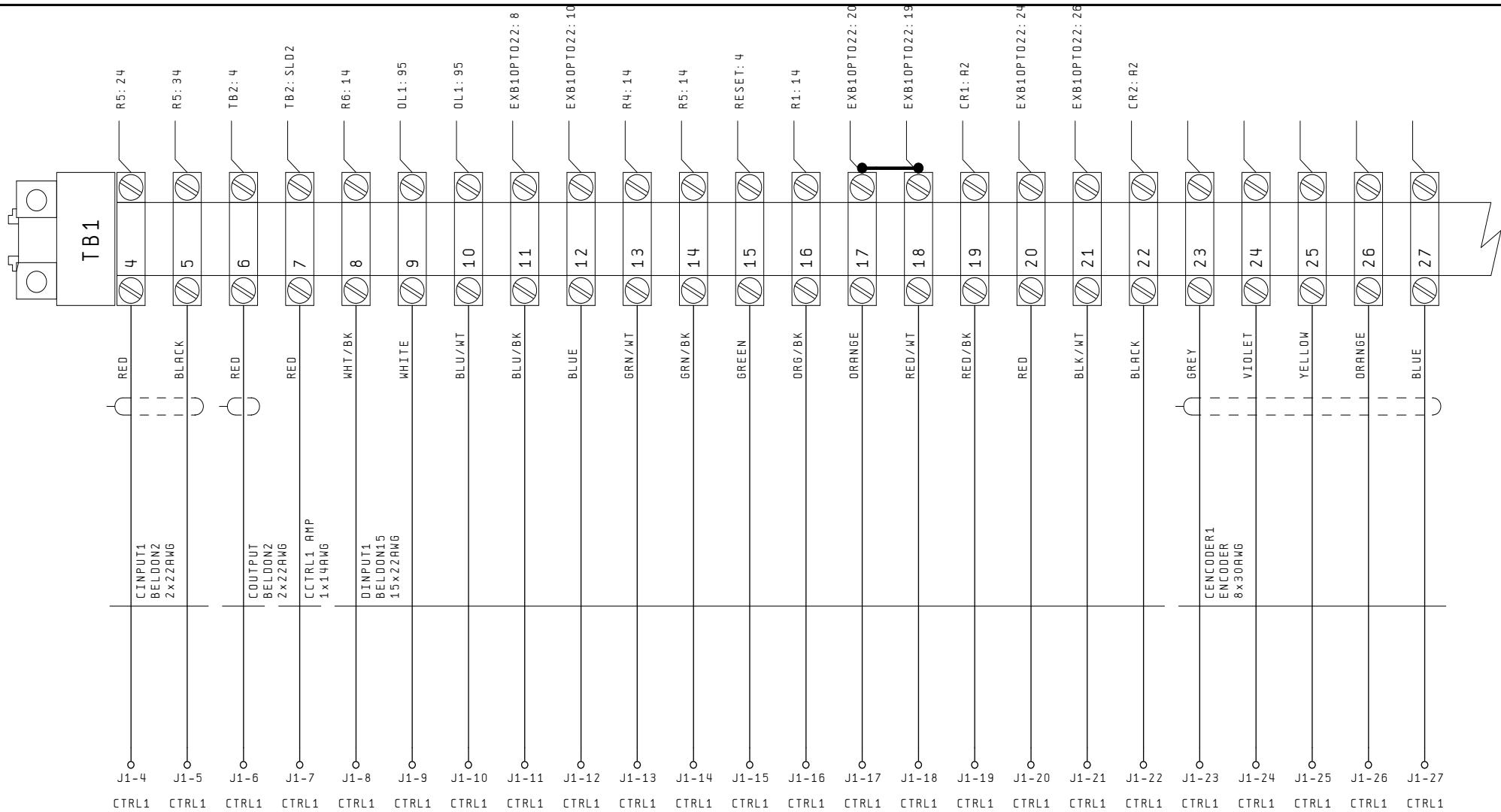
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		TDR #	556787	Engineer - KIM TRAN	Original		VR420-C4	Pg. 14 of 25

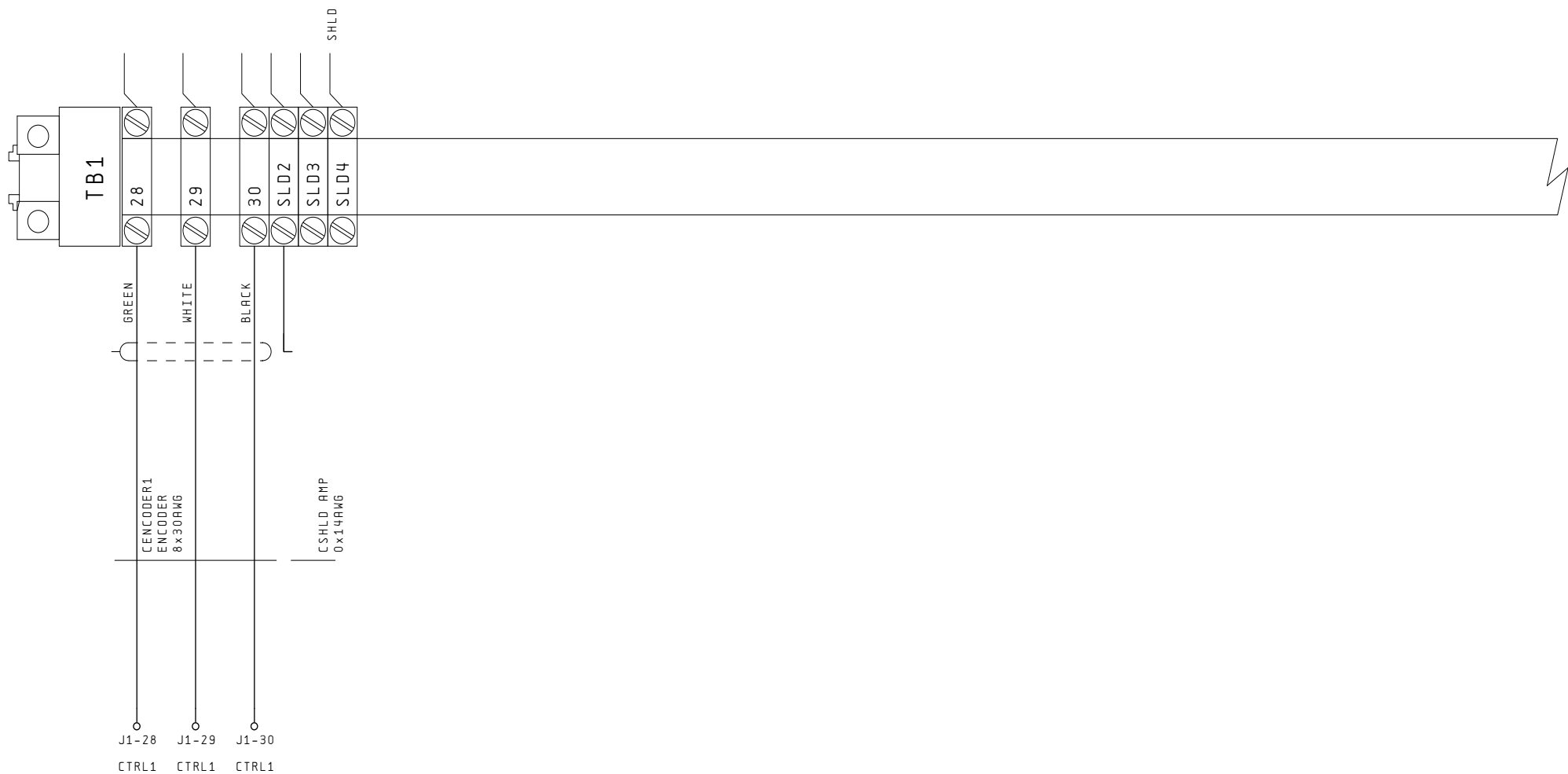
Bill of materials

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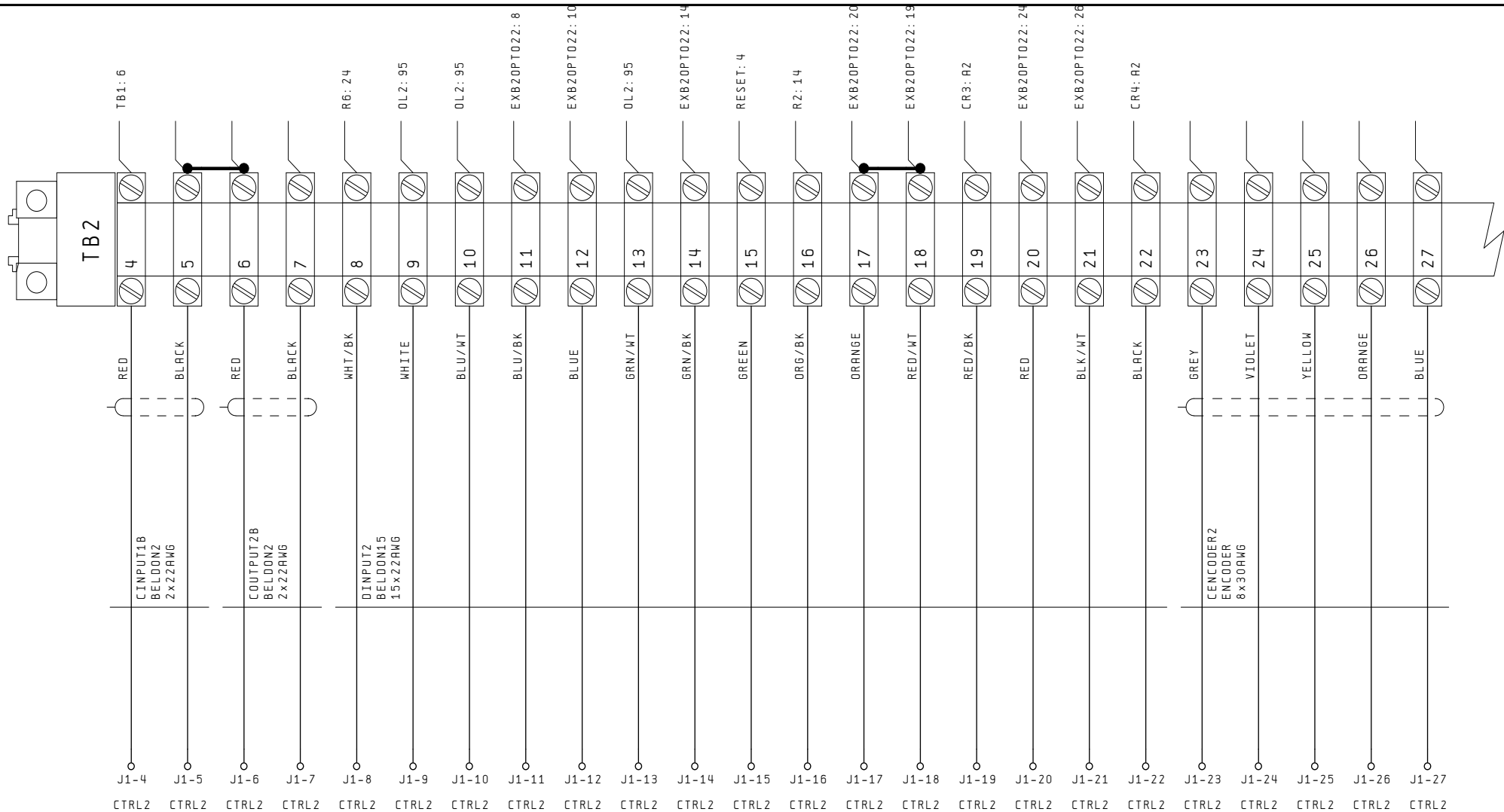
Item designation	Amount	Designation	Type number	Manufacturer	Article number
Misc	1	DUMMY PACKING NUMBER FOR DRIVES AND PANELS	PK0000A00	BALDOR	PK0000A00
IC1	1	CONTACTOR 34A C-2000	CL45A311MJ	GENERAL ELECTRIC	RE0002A01
IC2	1	CONTACTOR 34A C-2000	CL45A311MJ	GENERAL ELECTRIC	RE0002A01
IC3	1	CONTACTOR 34A C-2000	CL45A311MJ	GENERAL ELECTRIC	RE0002A01
CR1	1	CONTROL RELAY DPDT BLADE 24VDC 10A	40.52.9024.0000	FINDER	RE0009A15
CR2	1	CONTROL RELAY DPDT BLADE 24VDC 10A	40.52.9024.0000	FINDER	RE0009A15
CR3	1	CONTROL RELAY DPDT BLADE 24VDC 10A	40.52.9024.0000	FINDER	RE0009A15
CR4	1	CONTROL RELAY DPDT BLADE 24VDC 10A	40.52.9024.0000	FINDER	RE0009A15
CR5	1	CONTROL RELAY DPDT BLADE 24VDC 10A	40.52.9024.0000	FINDER	RE0009A15
CR6	1	CONTROL RELAY DPDT BLADE 24VDC 10A	40.52.9024.0000	FINDER	RE0009A15
R1	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
R2	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
R3	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
CR1	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
CR2	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
CR3	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
CR4	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
CR5	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
CR6	1	RELAY SOCKET PANEL MOUNT SOCKET DP	95.05	FINDER	RE0009A16
R1	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
R2	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
R3	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
CR1	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
CR2	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
CR3	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
CR4	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
CR5	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
CR6	1	RETAINING & RELEASE CLIP FOR DP FINDER SOCKET	095.01	FINDER	RE0009A20
R4	1	CONTROL RELAY 4PDT 120VAC	55.34.8120.0000	FINDER	RE0010A06
R5	1	CONTROL RELAY 4PDT 120VAC	55.34.8120.0000	FINDER	RE0010A06
R6	1	CONTROL RELAY 4PDT 120VAC	55.34.8120.0000	FINDER	RE0010A06
R4	1	RELAY SOCKET 4PDT IP20	94.04	FINDER	RE0010A07
R5	1	RELAY SOCKET 4PDT IP20	94.04	FINDER	RE0010A07
R6	1	RELAY SOCKET 4PDT IP20	94.04	FINDER	RE0010A07
H-0-A	2	CONTACT BLOCK SCREW 1 N.O.	P9B10VN	GENERAL ELECTRIC	RE0011A00
HORNACTIVATION	1	CONTACT BLOCK SCREW 1 N.O.	P9B10VN	GENERAL ELECTRIC	RE0011A00
RESET	2	CONTACT BLOCK SCREW 1 N.O.	P9B10VN	GENERAL ELECTRIC	RE0011A00
PENDANT-HORNACTIVATION	1	CONTACT BLOCK SCREW 1 N.O.	P9B10VN	GENERAL ELECTRIC	RE0011A00
E-STOP	2	CONTACT BLOCK SCREW 1 N.C.	P9B01VN	GENERAL ELECTRIC	RE0011A01
H-0-A	2	CONTACT BLOCK SCREW 2 N.O.	P9B20VN	GENERAL ELECTRIC	RE0011A16
R1	1	CONTROL RELAY DPDT 120VAC 10A	40.52.8120.0000	FINDER	RE0013A01
R2	1	CONTROL RELAY DPDT 120VAC 10A	40.52.8120.0000	FINDER	RE0013A01
R3	1	CONTROL RELAY DPDT 120VAC 10A	40.52.8120.0000	FINDER	RE0013A01
SS7	1	RC SURGE SUPPRESSOR 50-127V 25H	B5LR2K	GENERAL ELECTRIC	RR0001A00
SS8	1	RC SURGE SUPPRESSOR 50-127V 25H	B5LR2K	GENERAL ELECTRIC	RR0001A00
SS9	1	RC SURGE SUPPRESSOR 50-127V 25H	B5LR2K	GENERAL ELECTRIC	RR0001A00
SS1	1	RC NET SURGE SUPPRESSOR, AC 120VAC	99.02.0.230.09	FINDER	RR0005A15
SS4	1	RC NET SURGE SUPPRESSOR, AC 120VAC	99.02.0.230.09	FINDER	RR0005A15
SS5	1	RC NET SURGE SUPPRESSOR, AC 120VAC	99.02.0.230.09	FINDER	RR0005A15
SS2	1	RC NET SURGE SUPPRESSOR, AC 120VAC	99.02.0.230.09	FINDER	RR0005A15

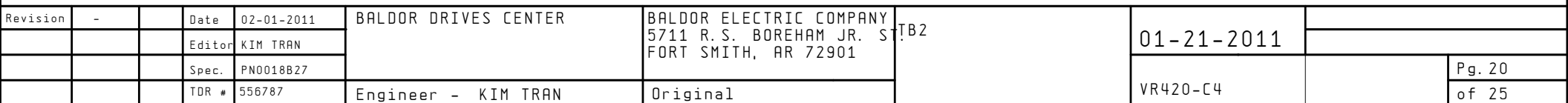
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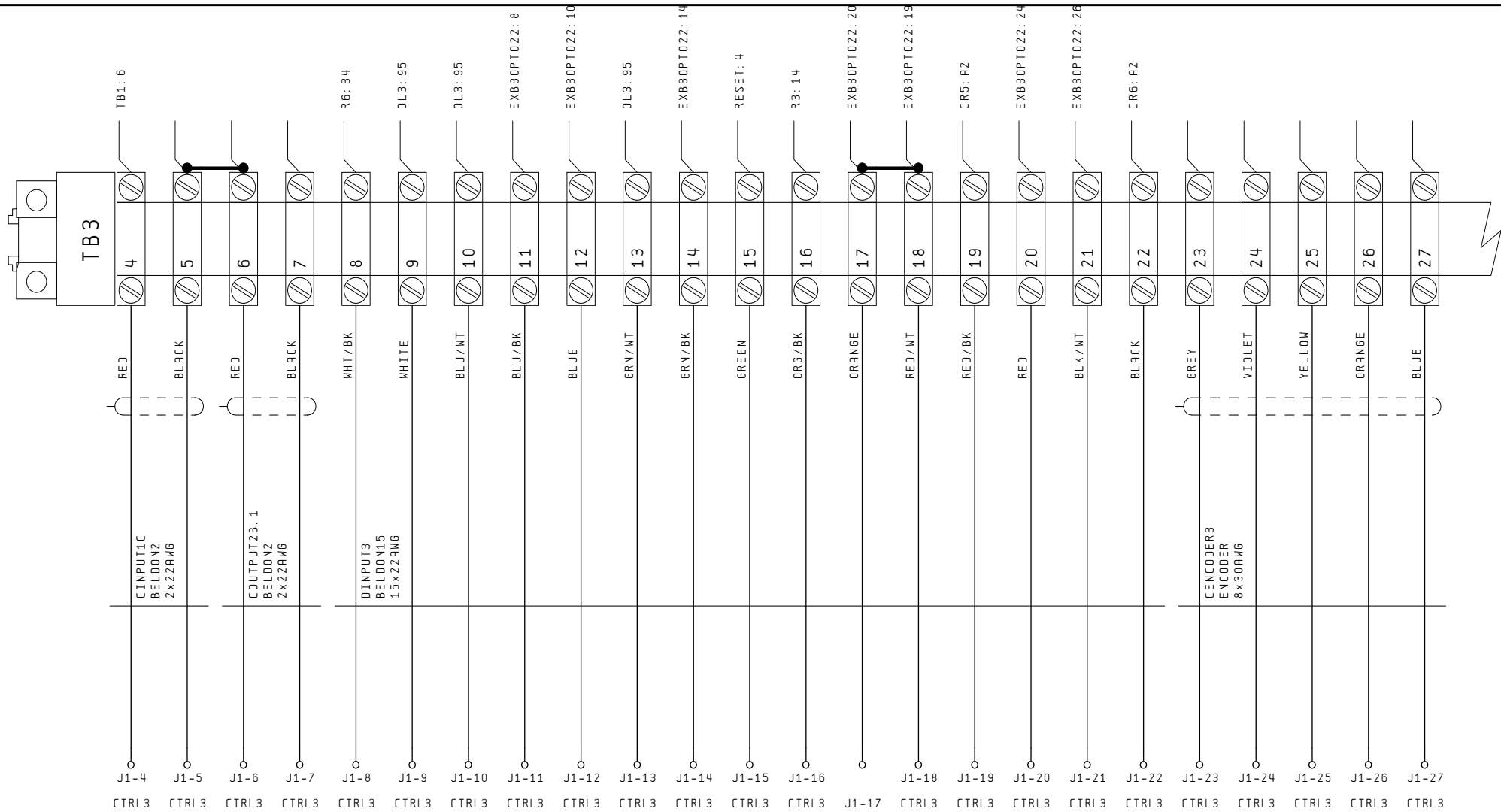


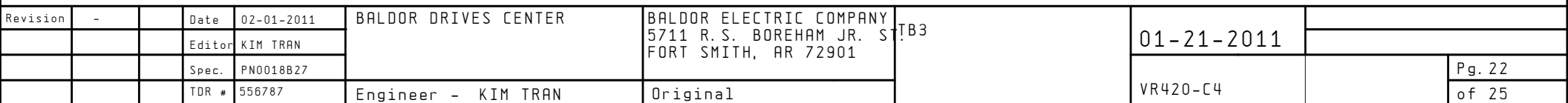


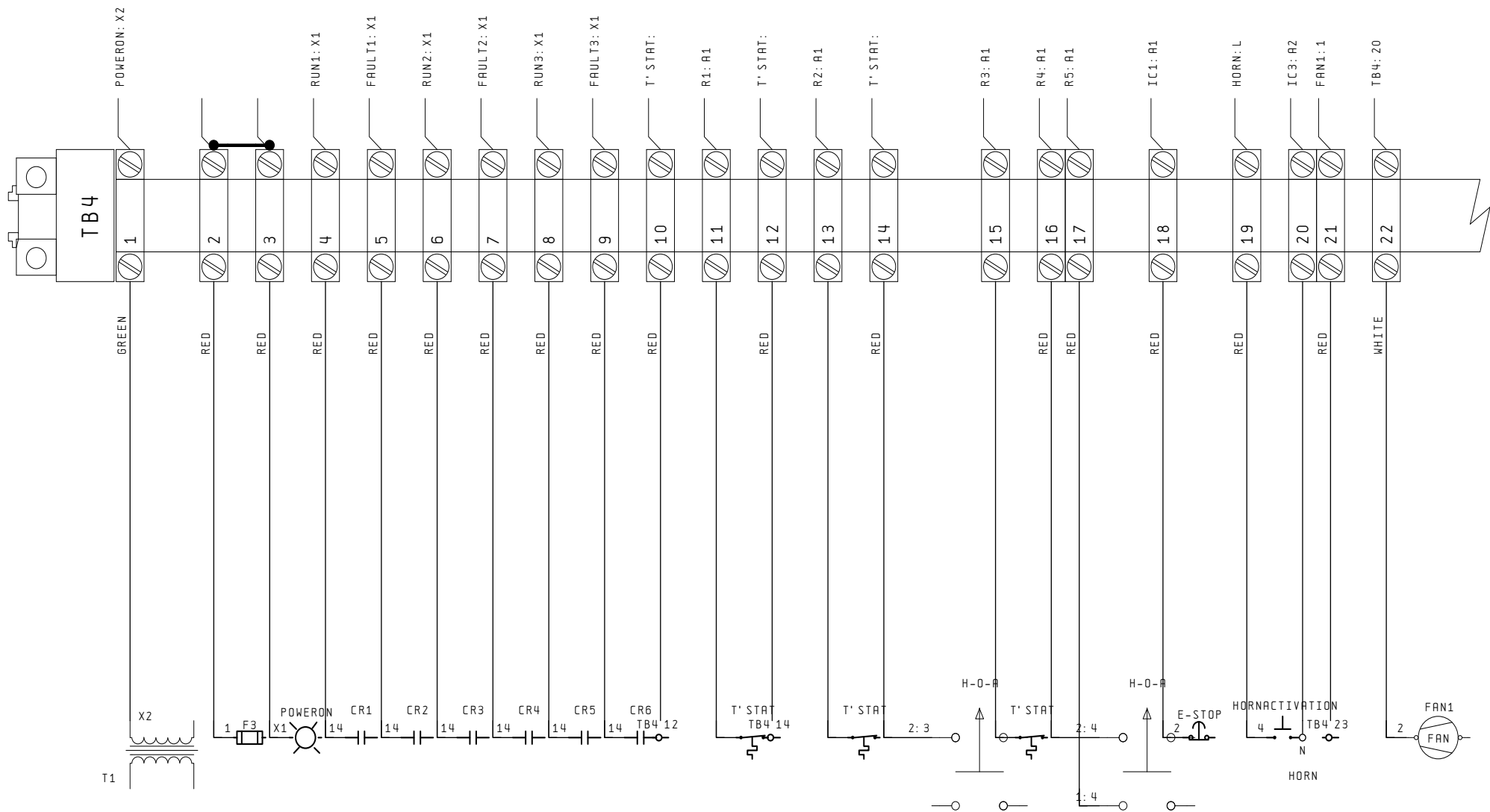
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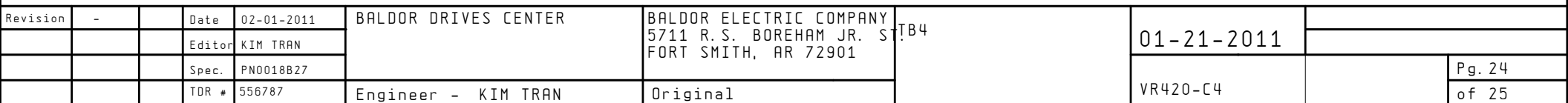


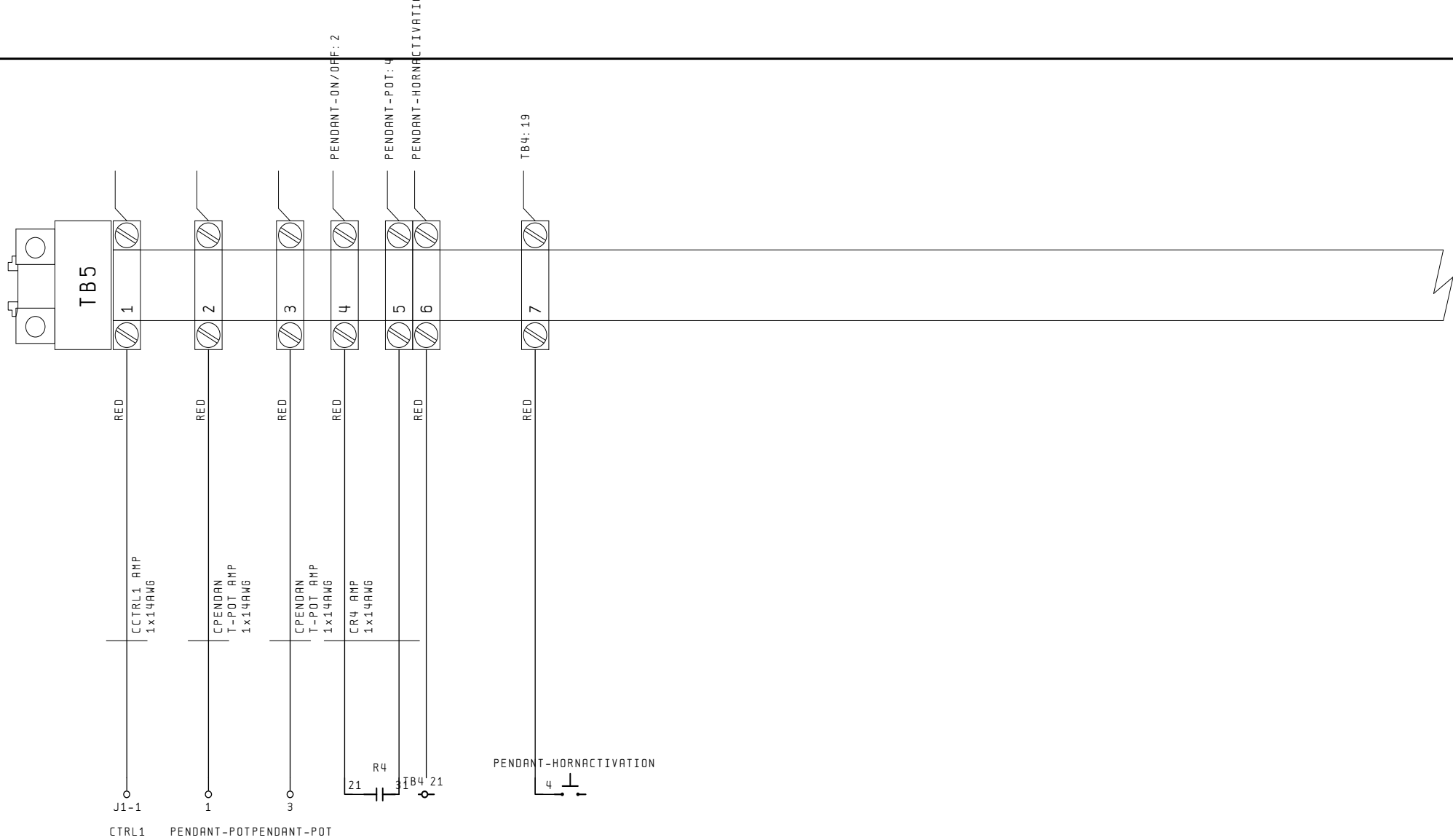






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