



**Read the
separate
safety
manual
before
installing,
operating,
or servicing**

Published Manual Number/ECN: ME7MWFZ1AE/2025104A

- Publishing System: TPAS2
- Access date: 03/10/2025
- Document ECNs: Latest

Schematic/Electrical Parts

MWF18/27/45Z8, MWF63/77/

100/125Z7/Y7, 48040F7Z/D

with MilTouch™ CONTROLS



PELLERIN MILNOR CORPORATION POST OFFICE BOX 400, KENNER, LOUISIANA 70063-0400, U.S.A.

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COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT NUMBER	WHERE TO FIND		MIL/NOR P/N	DESCRIPTION	LOCATION
		THIS COMPONENT				
	>>>COMPONENT LOCATIONS					
001	DETAIL-MWF100/125ZIY7 CONTROL PANEL	W6X8RSTG1		B2T2020002	TAG:MMWF 100Z/Y7, MMWF125Z/Y7 C-BOX	CONTROL BOX
002	DETAIL-MWF27/45Z8, MMWF63/77Z7 C-PANEL	W6X8RSTG1		B2T2016010	TAG: MMWF27/45Z8 MMWF63/77Z7	CONTROL BOX
003	DETAIL-MWF63Y7, MMWF77Y7 CNTRL PANEL	W6X8RSTG1		B2T2020009	TAG MILTOUCH MMWF63Y7 & MMWF77Y7 C-BX	CONTROL BOX
AC	>>>ACCELEROMETER					
ACBA	BOARD-ACCELEROMETER < 7-2022	W7X8ZEC		EACCLRM3	ASSY:ACCEL O-5VOC OP STAPH 42	REAR OF MACH
ACBA	BOARD-ACCELEROMETER >7-2022	W7X8ZEC		EACCLRM8	ASSMBLY:ACCELLROMETER 1 VOLT PER G	REAR OF MACH
BA	>>>PRINTED CIRCUIT BOARDS					
BAFR	BOARD-FUSE / RELAY	W7X8ZS+		08BHFRC7	BD-TV/X START CIRCUIT->TEST	CONTROL PANEL
BAFR	BOARD-FUSE / RELAY	W7X8ZS+A		08BHFRC7	BD-TV/X START CIRCUIT->TEST	CONTROL PANEL
BAUP	BOARD=ARM9 PROCESSOR+TOUCH SCREEN	W7X8ZBW		08BHA9D3T	ASSY:ARM9 PROC+OPTREX DSP-TESTED	CNT BX ON SHELL
BBAD-1	BOARD- A TO D CONVERTER	W7X8ZEC		08BSBADCTE	SR BALANCE A-D BD EXTACTR-TEST	CONTROL BOX
BIO	BOARD=ARM9 INPUT/OUTPUT	W7X8ZBW		08BHF120AT	BD:ARM9 REMOTE PERIPHEAL-TESTED	CONTROL BOX
BSP	BOARD-SPEED SENSING	W7X8ZBW		08BNDSRAT	BD DRY SAFETY ROTATION->TEST	CONTROL BOX
CD	>>>RELAY-TIME DELAY					
CDDH	RELAY-HYDRAULIC PUMP MOTOR	W7X8ZHD		09CF001071	TDR F1S 2P 8PIN ROUND SOCKET	CONTROL BOX
CL	>>>RELAY-LATCH					
CLA	RELAY-DOOR SEAL	W7X8ZS+A		09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL PANEL
CLA	RELAY-DOOR SEAL	W7X8ZS+B		09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL PANEL
CLA	RELAY-DOOR SEAL	W7X8ZS+C		09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL PANEL
CLA	RELAY-DOOR SEAL	W7X8ZS+E		09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL PANEL
CLA-CHOKE	CHOKE-DOOR SEAL LATCH	W7X8ZS+A		10YCLCCHOKE	LATCH HARNES: RF CHOKE	CONTROL BOX
CLA-CHOKE	CHOKE-DOOR SEAL LATCH	W7X8ZS+B		10YCLCCHOKE	LATCH HARNES: RF CHOKE	CONTROL BOX
CLA-CHOKE	CHOKE-DOOR SEAL LATCH	W7X8ZS+C		10YCLCCHOKE	LATCH HARNES: RF CHOKE	CONTROL BOX
CLA-CHOKE	CHOKE-DOOR SEAL LATCH	W7X8ZS+E		10YCLCCHOKE	LATCH HARNES: RF CHOKE	CONTROL BOX
CP	>>>PHOTOEYE					
CPSP	PHOTOEYE-SPEED	W7X8ZBW		09RPE013Q	SENSOR E-Z BEAM QUICK CONN DC	MAIN PULLEY
CR	>>>RELAY-PILOT OR CONTROL					
CRA	RELAY-DOOR OPEN	W7X8ZS+B		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRA	RELAY-DOOR OPEN	W7X8ZS+C		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRAD	RELAY-BASE BLOCK	W7X8ZVPB		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRC1	RELAY-FLUSH CHEMICAL #1	W7X8ZCM		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL BOX
CRC2	RELAY-FLUSH CHEMICAL #2	W7X8ZCM		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL BOX

COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT NUMBER	WHERE TO FIND		MIL/NOR P/N	DESCRIPTION	LOCATION
		THIS COMPONENT				
CRC3	RELAY-FLUSH CHEMICAL #3	W7X8ZCM		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL BOX
CRC4	RELAY-FLUSH CHEMICAL #4	W7X8ZCM		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL BOX
CRC5	RELAY-FLUSH CHEMICAL #5	W7X8ZCM		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL BOX
CRC6	RELAY-FLUSH CHEMICAL #6	W7X8ZCM		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL BOX
CRD	RELAY-OK TO OPEN DOOR	W7X8ZS+		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRD	RELAY-OK TO OPEN DOOR	W7X8ZS+A		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRD	RELAY-OK TO OPEN DOOR	W7X8ZS+B		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRD	RELAY-OK TO OPEN DOOR	W7X8ZS+C		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRD	RELAY-OK TO OPEN DOOR	W7X8ZS+D		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRD	RELAY-OK TO OPEN DOOR	W7X8ZS+E		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDB	RELAY-DEFLATE BAGS	W7X8ZS+A		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDB	RELAY-DEFLATE BAGS	W7X8ZS+B		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDB	RELAY-DEFLATE BAGS	W7X8ZS+E		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDL	RELAY-DOOR CLOSED AND LOCKED	W7X8ZS+		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDL	RELAY-DOOR CLOSED	W7X8ZS+A		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDL	RELAY-DOOR CLOSED	W7X8ZS+B		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDL	RELAY-DOOR CLOSED	W7X8ZS+C		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDL	RELAY-DOOR CLOSED AND LOCKED	W7X8ZS+D		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDL	RELAY-DOOR CLOSED	W7X8ZS+E		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDOA	RELAY-DOOR FULL OPEN	W7X8ZRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDOA	RELAY-DOOR FULL OPEN	W7X8ZRHA		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRDRA	RELAY-DOOR FULL OPEN	W7X8ZSRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRE	RELAY-OK TO LOCK DOOR	W7X8ZS+		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRE	RELAY-OK TO LOCK DOOR	W7X8ZS+D		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CREI	RELAY-OK TO JOG OR TILT	W7X8ZS+B		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CREI	RELAY-OK TO JOG	W7X8ZS+C		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRFDL	RELAY-FRONT DOWN LEFT	W7X8ZRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRFDL	RELAY-FRONT DOWN LEFT	W7X8ZRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRFDR	RELAY-REAR DOWN RIGHT	W7X8ZRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRFDR	RELAY-FRONT DOWN RIGHT	W7X8ZSRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRRDL	RELAY-REAR DOWN LEFT	W7X8ZRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRRDL	RELAY-REAR DOWN LEFT	W7X8ZRHA		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRRDL	RELAY-REAR DOWN LEFT	W7X8ZSRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL

COMPONENT PARTS LIST

W7X8ZPL/2022014N

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT NUMBER	WHERE TO FIND		MIL/NOR P/N	DESCRIPTION	LOCATION
		THIS COMPONENT				
CRRDR	RELAY-REAR DOWN RIGHT	W7X8ZRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRRDR	RELAY-REAR DOWN RIGHT	W7X8ZPHA		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CRRDR	RELAY-REAR DOWN RIGHT	W7X8ZSRH		09C024D71	RELAY 4PDT DIFGLD 14PN 240V W/LED	CONTROL PANEL
CS	>>CONTACTOR-MOTOR STARTER					
CSDO	CONTACTOR-HYDRAULIC PUMP MOTOR	W7X8ZHD		09MC08C371	16A 3P MCS CONT NR 240V5/6	CONTROL PANEL
CSVS	CONTACTOR-INVERTER MWF27Z8	W7X8ZS+		98CMCR3004	3022X CONTACTOR 18A	CONTROL PANEL
CSVS	CONTACTOR-INVERTER MWF45Z8	W7X8ZS+A		98CMCR3601	CONTACTOR 3626X 32A	CONTROL PANEL
CSVS	CONTACTOR-INV MWF63-77ZIY7 LV	W7X8ZS+A		98CMCR4201	CONTACTOR 42X LOW VOLT 38A	CONTROL PANEL
CSVS	CONTACTOR-INV MWF63-77ZIY7 HV	W7X8ZS+A		98CMCR4202	CONTACTOR 42X HIGH VOLT 25A	CONTROL PANEL
CSVS	CONTACTOR-ENABLE INVERTER	W7X8ZS+B		09MC08E371	30A 3P MCS CONT NR 240V5/6	CONTROL PANEL
CSVS	CONTACTOR-ENABLE INVERTER	W7X8ZS+C		09MC08E371	30A 3P MCS CONT NR 240V5/6	CONTROL PANEL
CSVS	CONTACTOR-INVERTER MWF45,63,77	W7X8ZVPA		09MC08G371	37A 3P MCS CONT NR 240V5/6	CONTROL PANEL
CSVS	CONTACTOR-VARIABLE SPEED 4840 (HIGH)	W7X8ZVPB		09MC08G371	37A 3P MCS CONT NR 240V5/6	CONTROL PANEL
CSVS	CONTACTOR-VARIABLE SPEED 4840 (LOW)	W7X8ZVPB		09MC08N371	72A 3P MCS CONT NR 240V5/6	CONTROL PANEL
CSVS	CONTACTOR-INVERTER MWF27Z8	W7X8ZS+D		98CMCR3004	3022X CONTACTOR 18A	CONTROL PANEL
CSVS	CONTACTOR-INVERTER MWF45Z8	W7X8ZS+E		98CMCR3601	CONTACTOR 3626X 32A	CONTROL PANEL
CSVS	CONTACTOR-INV MWF63-77ZIY7 LV	W7X8ZS+E		98CMCR4201	CONTACTOR 42X LOW VOLT 38A	CONTROL PANEL
CSVS	CONTACTOR-INV MWF63-77XIY7 HV	W7X8ZS+E		98CMCR4202	CONTACTOR 42X HIGH VOLT 25A	CONTROL PANEL
EF	>>FUSE OR FUSE HOLDER					
EF1	FUSE-CONTROL CIRCUIT X-BUS	W7X8ZS+		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
EF1	FUSE-CONTROL CIRCUIT X-BUS	W7X8ZS+D		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
EF2	FUSE-CONTROL CIRCUIT Y-BUS	W7X8ZS+		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
EF2	FUSE-CONTROL CIRCUIT Y-BUS	W7X8ZS+A		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
EF2	FUSE-CONTROL CIRCUIT Y-BUS	W7X8ZS+D		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
EF2	FUSE-CONTROL CIRCUIT Y-BUS	W7X8ZS+E		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
EPF1	FUSE-HV FEED TRANSFORMER PRIMARY	W7X8ZLV		09FF003AWV	FUSE BUSS STYLE CC TYPE FNQ-R 3 AMP 60	CONTROL PANEL
EPF2	FUSE-HV FEED TRANSFORMER PRIMARY	W7X8ZLV		09FF003AWV	FUSE BUSS STYLE CC TYPE FNQ-R 3 AMP 60	CONTROL PANEL
EM	>>ELECTROMAGNET AND SOLENOID					
EMDL	SOLENOID-DOOR UNLOCK	W7X8ZS+		09K063C24	DOOR LOCK SOLENOID 24V	DOOR LATCH
EMDL	SOLENOID-DOOR UNLOCK	W7X8ZS+D		09K063C24	DOOR LOCK SOLENOID 24V	DOOR LATCH
EP1	FUSE-CONTROL CIRCUIT X-BUS	W7X8ZS+A		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
EP1	FUSE-CONTROL CIRCUIT X-BUS	W7X8ZS+E		09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	CONTROL PANEL
ES	>>POWER SUPPLY-ELECTRONIC					

COMPONENT PARTS LIST

COMPONENT		FUNCTION OF THIS		WHERE TO FIND			
NUMBER	COMPONENT NUMBER	THIS COMPONENT	MILNOR P/N	DESCRIPTION	LOCATION		
ESPS	POWER SUPPLY-MICROPROCESSOR	W7X8ZBW	08PSS3401T	40 WATT POWER SUPPLY TESTED	CONTROL BOX		
ET	OVERLOAD-DYNAMIC BRAKE						
ETDB	OVERLOAD-DYNAMIC BRAKE	W7X8ZVPA	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL PANEL		
ETDB	OVERLOAD-VARIABLE SPEED (HIGH)	W7X8ZVPB	09FTD0121T	MCS OL RELAY ADJ.RANGE 12-37	CONTROL PANEL		
ETDB	OVERLOAD-VARIABLE SPEED (LOW)	W7X8ZVPB	09FTD0230T	MCS OL RELAY ADJ.RANGE 23-75	CONTROL PANEL		
ETVS	OVERLOAD-VARIABLE SPEED MWF27/30022X	W7X8ZVPA	09FTD0120T	MCS OL RELAY ADJ.RANGE 12-32	CONTROL PANEL		
ETVS	OVERLOAD-VARIABLE SPEED	W7X8ZVPA	09FTD0121T	MCS OL RELAY ADJ.RANGE 12-37	CONTROL PANEL		
ETVS	O'LOAD-VARIABLE SPD MWF27/ILV	W7X8ZVPA	98CMCR3005	3022XOVERLOAD LOW VOLT 12-18A	CONTROL PANEL		
ETVS	O'LOAD-VARIABLE SPD MWF45/ILV	W7X8ZVPA	98CMCR3602	3626XOVERLOAD LOW VOLT 30-38A	CONTROL PANEL		
ETVS	O'LOAD-VARIABLE SPD MWF45/HV	W7X8ZVPA	98CMCR3603	3626XOVERLOAD HI VOLT 12-18A	CONTROL PANEL		
ETVS	O'LOAD-VARIABLE SPD MWF63.77/ LV	W7X8ZVPA	98CMCR4203	42XOVERLOAD LOW VOLT 30-38A	CONTROL PANEL		
ETVS	O'LOAD-VARIABLE SPD MWF63.77/HV	W7X8ZVPA	98CMCR4204	42XOVERLOAD HI VOLT 30-38A	CONTROL PANEL		
EX	>>TRANSFORMERS						
EXHV	TRANSFORMER-INCOMING VOLT 240VAC	W7X8ZLV	MESSAGE EW	SEE EX37-1, -2, OR -3 FOR VOLTAGE	CONTROL PANEL		
EXHV-1	TRANSFORMR-208/240VAC 30-42	W7X8ZLV	98CMCR0902	AUTOXFMR 208V/230V 250VA	CONTROL PANEL		
EXHV-2	TRANSFORMER-380/480V TO 240V	W7X8ZLV	09UA025AAB	XFMR 380-480PRI/120-240SEC250V	CONTROL PANEL		
EXHV-3	TRANSFORMER-600V TO 240V	W7X8ZLV	09U251AB71	XFMR 600VPRI/240VSC-250VA-3%REG	CONTROL PANEL		
MOV	VARISTOR-TRANSIENT VOLTAGE PROTECTOR	W7X8ZBW	08M0V0240	VARISTER-METAL OXIDE 240VAC	CONTROL BOX		
MT	>>>MOTORS						
MTVP	FAN-INVERTER COOLING	W7X8ZS+A	13AF100A71	FAN 92CFM230V60	CONTROL BOX		
MTVP	FAN-INVERTER COOLING	W7X8ZS+B	13AF100A71	FAN 92CFM230V60	CONTROL BOX		
MTVP	FAN-INVERTER COOLING	W7X8ZS+C	13AF100A71	FAN 92CFM230V60	CONTROL BOX		
MTVP	FAN-INVERTER COOLING	W7X8ZS+E	13AF100A71	FAN 92CFM230V60	CONTROL BOX		
MTWE	MOTOR-WASHER	W7X8ZVPA	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	BELOW SHELL		
MTWE	MOTOR-WASHER	W7X8ZVPB	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	BELOW SHELL		
MV	>>>MOTOR POWER INVERTERS						
MVDBR	RESISTOR-DYN. BRAKE MZ27X8 ALL	W7X8ZVPA	09MV100RET	RESIST 100 OHM 225WATT ADJ	BELOW C-BX		
MVDBR	RESISTOR-DYN. BRAKE MZ45X8 ALL	W7X8ZVPA	09MV050REV	RESISTOR 50 OHM 225W #FVT200-50	BELOW C-BX		
MVDBR	RESISTOR-DYN. BRAKE MZ63/72ZY7 ALL	W7X8ZVPA	09MV010REV	RESISTOR 50 OHM 225W #FVT200-50	BELOW C-BX		
MVDBR	RESISTOR-DYN. BRAKE MZ63/72ZY7 ALL	W7X8ZVPB	09MV11DBRL	RESTR UNIT 12.5OHM 900W LOW VL	BELOW C-BX		
MVDBR	RESISTOR-DYN. BK MWF100/125/48ZY7 HI	W7X8ZVPB	09MV11DBRH	RESTR UNIT 33OHM 675W HIGH VOLT	BELOW C-BX		
MVFLT	INV FILTER-DRIVE	W7X8ZVPA	09MVFLT1R1	INCOME POWER FILTER CAP	CONTROL BOX		
MVFLT	INV FILTER-DRIVE	W7X8ZVPB	09MVFLT1R1	INCOME POWER FILTER CAP	CONTROL BOX		

COMPONENT PARTS LIST

COMPONENT		FUNCTION OF THIS		WHERE TO FIND			
NUMBER	COMPONENT NUMBER	THIS COMPONENT	MIL/NOR P/N	DESCRIPTION	LOCATION		
MV/INR-H	INV IN LINE REACTOR 380-480V MMWF27Z8	W7X8ZVPA	09MX100A96	REACTOR 10HP 460V 16A	CONTROL BOX		
MV/INR-H	INV IN LINE RTR 200-380V MMWF45Z8,63Z7,77Z7	W7X8ZVPA	09MX250A96	REACTOR 25HP 460V 35A	CONTROL BOX		
MV/INR-H	INV IN LINE REACTOR 200-380V 40040F7D/Z	W7X8ZVPB	09MX400A96	REACTOR LV/HV 3%/1.5% 40HP 460V-20HP 23	CONTROL BOX		
MV/INR-L	INV IN LINE REACTOR 200-240V MMWF27Z8	W7X8ZVPA	09MX100A74	REACTOR 25HP 230V 35A	CONTROL BOX		
MV/INR-L	INV IN LINE RTR 200-240V MMWF45Z8,63Z7,77Z7	W7X8ZVPA	09MX200A74	REACTOR 20HP 230V 55A	CONTROL BOX		
MV/INR-L	INV IN LINE REACTOR 380-600V 40040F7D/Z	W7X8ZVPB	09MX600A96	REACTOR LV/HV 3%/1.5% 50/60HP 460V-25/30	CONTROL BOX		
MV/INV-H	INVERTER-MMWF27Z8 380-600 V	W7X8ZVPA	09MWB00096	V1000 INVERTER 9.2AMP 460V	CONTROL BOX		
MV/INV-H	INVERTER-MMWF45Z8 380-600 VOLTS	W7X8ZVPA	09MWB01896	V1000 INVERTER 18AMP 460V	CONTROL BOX		
MV/INV-H	INVERTER-MMWF63/77/100ZY7 380-600 VOLTS	W7X8ZVPA	09MWB02496	V1000 INVERTER 24AMP 460V	CONTROL BOX		
MV/INV-H	INVERTER-48040F7D/Z 380-600 VOLTS	W7X8ZVPB	09MWE03996	GA800 INVERTER 39 AMP 460V	CONTROL BOX		
MV/INV-H	INVERTER-48040F7D/Z 380-600 VOLTS	W7X8ZVPB	09MWC03996	A1000 INVERTER 39 AMP	CONTROL BOX		
MV/INV-L	INVERTER-MMWF27Z8 200-240V	W7X8ZVPA	09MWB01774	V1000 INVERTER 17.5AMP 230V	CONTROL BOX		
MV/INV-L	INVERTER-MMWF45Z8 200-240VOLTS	W7X8ZVPA	09MWB03374	V1000 INVERTER 33AMP 230V	CONTROL BOX		
MV/INV-L	INVERTER-MMWF63/77/100ZY7 200-240VOLTS	W7X8ZVPA	09MWB04774	V1000 INVERTER 47AMP 230V	CONTROL BOX		
MV/INV-L	INVERTER-48040F7D/Z 200-240VOLTS	W7X8ZVPB	09MWE07574	GA800 INVERTER 75 AMP 230V	CONTROL PANEL		
MV/INV-L	INVERTER-48040F7D/Z 200-240VOLTS	W7X8ZVPB	09MWC07574	A1000 INVERTER 75 AMP	CONTROL PANEL		
PX	>>>PROX SWITCHES						
PXDO	PROX SWITCH-DOOR FULL OPEN	W7X8ZRH	09RPS18CAS	PRXSW QKCO 18M NO-AC SHLD	SHELL FRONT		
PXDO	PROX SWITCH-DOOR FULL OPEN	W7X8ZPHA	09RPS18CAS	PRXSW QKCO 18M NO-AC SHLD	SHELL FRONT		
PXFDL	PROX SWITCH-FRONT DOWN LEFT	W7X8ZRH	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	MACHINE BASE		
PXFDL	PROX SWITCH-FRONT DOWN LEFT	W7X8ZPHA	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	MACHINE BASE		
PXFDR	PROX SWITCH-FRONT DOWN RIGHT	W7X8ZRH	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	MACHINE BASE		
PXRDL	PROX SWITCH-REAR DOWN LEFT	W7X8ZRH	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	MACHINE BASE		
PXRDR	PROX SWITCH-REAR DOWN RIGHT	W7X8ZRH	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	MACHINE BASE		
PXRDR	PROX SWITCH-REAR DOWN RIGHT	W7X8ZPHA	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	MACHINE BASE		
RS01	RESISTOR-POWER SUPPLY LOADING	W7X8ZBW	09AR16R25	RESISTOR 16 OHMS 25 WATTS	CONTROL BOX		
SH	>>>SWITCH-HAND OPERATED						
SH01	SWITCH-208/240VAC	W7X8ZLV	09N050	TOGSW SPDT NO OFF 10A250V	CONTROL PANEL		
SHCW	SWITCH-JOG	W7X8ZVPB	09N405M320	SWASS M3W 2NO	SWITCH PANEL		
SHDO	SWITCH-DOOR OPEN	W7X8ZIA	09N405PB10	SWASS PBBK 1NO	SWITCH PANEL		
SHDO	SWITCH-DOOR OPEN	W7X8ZS+	09N405PB10	SWASS PBBK 1NO	SWITCH PANEL		
SHDO	SWITCH-DOOR OPEN	W7X8ZS+A	09N405PB10	SWASS PBBK 1NO	SWITCH PANEL		
SHDO	SWITCH-DOOR OPEN	W7X8ZS+B	09N405PB10	SWASS PBBK 1NO	SWITCH PANEL		

COMPONENT PARTS LIST

W7X8ZPL/2022014N

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT NUMBER	WHERE TO FIND		MIL/NOR P/N	DESCRIPTION	LOCATION
		THIS COMPONENT				
SHDO	SWITCH-DOOR OPEN	W7X8ZS+C		09N405PB10	SWASS PBBK 1NO	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W7X8ZS+D		09N405PB10	SWASS PBBK 1NO	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W7X8ZS+E		09N405PB10	SWASS PBBK 1NO	SWITCH PANEL
SHES	SWITCH-EMERGENCY STOP (OPTIONAL)	W7X8ZS+		09N508A	SW ASSY EMER STOP 2POLE	FRONT
SHES	SWITCH-EMERGENCY STOP (OPTIONAL)	W7X8ZS+A		09N508A	SW ASSY EMER STOP 2POLE	FRONT
SHES	SWITCH-EMERGENCY STOP (4840)	W7X8ZS+B		09N508A	SW ASSY EMER STOP 2POLE	SWITCH PANEL
SHES	SWITCH-EMERGENCY STOP	W7X8ZS+C		09N508A	SW ASSY EMER STOP 2POLE	SWITCH PANEL
SHES	SWITCH-EMERGENCY STOP (OPTIONAL)	W7X8ZS+D		09N508A	SW ASSY EMER STOP 2POLE	FRONT
SHES	SWITCH-EMERGENCY STOP (OPTIONAL)	W7X8ZS+E		09N508A	SW ASSY EMER STOP 2POLE	FRONT
SHFR	SWITCH-FRONT/REAR	W7X8ZRH		09N405M320	SWASS M3W 2NO	SWITCH PANEL
SHMF	SWITCH-MANUAL FLUSH	W7X8ZEV		09N405PB10	SWASS PBBK 1NO	SWITCH PANEL
SHMF	SWITCH-MANUAL FLUSH	W7X8ZEVA		09N405PB10	SWASS PBBK 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER SWITCH	W7X8ZS+		09N405M220	SWASS M2W 2NO	SWITCH PANEL
SHSMA	SWITCH-MASTER SWITCH	W7X8ZS+A		09N405M220	SWASS M2W 2NO	SWITCH PANEL
SHSMA	SWITCH-MASTER SWITCH	W7X8ZS+B		09N405M220	SWASS M2W 2NO	SWASS M3W 2NO
SHSMA	SWITCH-MASTER SWITCH	W7X8ZS+C		09N405M220	SWASS M2W 2NO	SWASS M3W 2NO
SHSMA	SWITCH-MASTER SWITCH	W7X8ZS+D		09N405M220	SWASS M2W 2NO	SWITCH PANEL
SHSMA	SWITCH-MASTER SWITCH	W7X8ZS+E		09N405M220	SWASS M2W 2NO	SWITCH PANEL
SHU	SWITCH-UP/DOWN	W7X8ZRH		09N405S320	SWASS M3W 2NO	SWITCH PANEL
SHU	SWITCH-UP/DOWN	W7X8ZRHA		09N405S320	SWASS M3W 2NO	SWITCH PANEL
SHWD	SWITCH-WASH DIRECTION	W7X8ZIA		09N405M210	SWASS M2W 1NO	SIDE OF SW PNL
SHWDO	SWITCH-HYDRAULIC DOOR OPEN/CLOSE	W7X8ZHD		09N405S320	SWASS M3W 2NO	SWITCH PANEL
SHWDO	SWITCH-DOOR OPEN/CLOSE	W7X8ZS+B		09N405S320	SWASS M3W 2NO	SWITCH PANEL
SK	>>SWITCH-KEYLOCK					
SKPR	SWITCH-RUN/PROGRAM	W7X8ZIA		09N127C	KEYSW SPST 7A120VAC SCREW TERM	SWITCH PANEL
SM	>>SWITCH-MECHANICAL OPERATED					
SMD	SWITCH-DOOR IS LOCKED	W7X8ZS+		02 04177	MICROSWITCH, 1 IN LEVER	DOOR LATCH
SMD	SWITCH-DOOR INTERLOCK	W7X8ZS+A		09R014A	MINI-SW SPDT STAKON #V15G1C26K	DOOR LATCH
SMD	SWITCH-DOOR INTERLOCK	W7X8ZS+B		09R014A	MINI-SW SPDT STAKON #V15G1C26K	DOOR LATCH
SMD	SWITCH-DOOR INTERLOCK	W7X8ZS+C		09R014A	MINI-SW SPDT STAKON #V15G1C26K	DOOR LATCH
SMD	SWITCH-DOOR IS LOCKED	W7X8ZS+D		02 04177	MICROSWITCH, 1 IN LEVER	DOOR LATCH
SMD	SWITCH-DOOR INTERLOCK	W7X8ZS+E		09R014A	MINI-SW SPDT STAKON #V15G1C26K	DOOR LATCH
SMDE	SWITCH-DOOR SECONDARY SWITCH	W7X8ZS+A		09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH

COMPONENT PARTS LIST

COMPONENT		FUNCTION OF THIS		WHERE TO FIND			
NUMBER	COMPONENT NUMBER	THIS COMPONENT	MIL/NOR P/N	DESCRIPTION	LOCATION		
SMDE	SWITCH-DOOR SECONDARY SWITCH	W7X8ZS+B	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH		
SMDE	SWITCH-DOOR SECONDARY SWITCH	W7X8ZS+C	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH		
SMDE	SWITCH-DOOR SECONDARY SWITCH	W7X8ZS+E	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH		
SME	SWITCH-DOOR IS LOCKED	W7X8ZS+	09R010D	DOOR LOCK SWITCH	DOOR LATCH		
SME	SWITCH-DOOR IS LOCKED	W7X8ZS+D	09R010D	DOOR LOCK SWITCH	DOOR LATCH		
SMEX	SWITCH-EXCURSION	W7X8ZIA	09R008ASTD	09R008A+MOUNTING HDWRE+INST	SIDE OF SHELL		
SMWVB	SWITCH-VIBRATION	W7X8ZIA	SAE03 151	ASSY-VIBRATION SWT=LG CONTR	CONTROL PANEL		
SP	>>>SWITCH-PRESSURE						
SPA	SWITCH-AIR PRESSURE AVAILABLE	W7X8ZS+A	09N082A	PRESSW NASON CLOSE @ 62 LB	CONTROL PANEL		
SPA	SWITCH-AIR PRESSURE AVAILABLE	W7X8ZS+E	09N082A	PRESSW NASON CLOSE @ 62 LB	CONTROL PANEL		
SPBP	SWITCH-BEARING SEAL	W7X8ZIA	09N082B05	PRESSW NASON CLOSE @ 5 LB	AIR VALVE BOX		
SPBS	SWITCH-BRAKE PRESSURE	W7X8ZIA	09N082A	PRESSW NASON CLOSE @ 62 LB	AIR VALVE BOX		
SPD	SWITCH-DOOR PRESSURE LOW	W7X8ZS+A	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BOX		
SPD	SWITCH-DOOR PRESSURE LOW	W7X8ZS+B	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BOX		
SPD	SWITCH-DOOR PRESSURE LOW	W7X8ZS+C	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BOX		
SPD	SWITCH-DOOR PRESSURE LOW	W7X8ZS+E	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BOX		
ST	>>>SWITCH-TEMPERATURE						
STDB	SWITCH-THERMOSTAT DYNAMIC BRAKE	W7X8ZS+	30RA175T	THERMOSTAT OPENS AT 175F	BRAKING RESIST		
STDB	SWITCH-THERMOSTAT DYNAMIC BRAKE	W7X8ZS+A	30RA175T	THERMOSTAT OPENS AT 175F	BRAKING RESIST		
STDB	SWITCH-THERMOSTAT DYNAMIC BRAKE	W7X8ZS+B	30RA175T	THERMOSTAT OPENS AT 175F	BRAKING RESIST		
STDB	SWITCH-THERMOSTAT DYNAMIC BRAKE	W7X8ZS+C	30RA175T	THERMOSTAT OPENS AT 175F	BRAKING RESIST		
STDB	SWITCH-THERMOSTAT DYNAMIC BRAKE	W7X8ZS+D	30RA175T	THERMOSTAT OPENS AT 175F	BRAKING RESIST		
STDB	SWITCH-THERMOSTAT DYNAMIC BRAKE	W7X8ZS+E	30RA175T	THERMOSTAT OPENS AT 175F	BRAKING RESIST		
TP1	PROBE-TEMPERATURE	W7X8ZBW	30R0043P	TEMP PROBE:THERMISTOR 30K OHMS	BOTTOM OF SHELL		
VE	>>VALVE-ELECTRIC OPERATED						
VEBP	VALVE-BEARING PRESSURE	W7X8ZS+A	96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	VALVE BOX		
VEBP	VALVE-BEARING PRESSURE	W7X8ZS+B	96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	VALVE BOX		
VEBP	VALVE-BEARING PRESSURE	W7X8ZS+C	96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	VALVE BOX		
VEBP	VALVE-BEARING PRESSURE	W7X8ZS+E	96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	VALVE BOX		
VEBR	VAVLE-BRAKE RELEASE	W7X8ZS+A	96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX		
VEBR	VAVLE-BRAKE RELEASE	W7X8ZS+B	96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX		
VEBR	VAVLE-BRAKE RELEASE	W7X8ZS+C	96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX		
VEBR	VAVLE-BRAKE RELEASE	W7X8ZS+E	96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX		

COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT NUMBER	WHERE TO FIND		MIL/NOR P/N	DESCRIPTION	LOCATION
		THIS COMPONENT				
VEC1	VALVE-FLUSH CHEM POCKET 1	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VEC2	VALVE-FLUSH CHEM POCKET 2	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VEC3	VALVE-FLUSH CHEM POCKET 3	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VEC4	VALVE-FLUSH CHEM POCKET 4	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VEC5	VALVE-FLUSH CHEM POCKET 5	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VEC6	VALVE-FLUSH CHEM POCKET 6	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VEC7	VALVE-FLUSH CHEM POCKET 7	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VEC8	VALVE-FLUSH CHEM POCKET 8	W7X8ZCF	--		CHEMICAL FLUSHING VALVE BY OTHERS	PWR CONN BX
VECD	VALVE-COOLDOWN WATER MWF27Z8	W7X8ZEV	96P057A71		1/2"NPT X 1/2"ORIFICE 240V 5/6	REAR OF MACH
VECD	VALVE-COOLDOWN WATER MWF45Z8	W7X8ZEV	96P056A71		3/4" NC 230V50/60 W/LEADS BURK	REAR OF MACH
VECD	VALVE-COOLDOWN WATER MWF63/77Z1Y7	W7X8ZEV	96P152A71		1+1/4"NC 240V W/LEADS BURK	REAR OF MACH
VECD	VALVE-COOLDOWN WATER 48040	W7X8ZEV	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VECD	VALVE-COOLDOWN WATER 48040	W7X8ZEVA	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VED	VALVE-DOWN	W7X8ZRH	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VED	VALVE-DOWN	W7X8ZPHA	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEDL	VALVE-DOOR UNLATCH MWF45,63,77	W7X8ZS+A	98CMCR3001		PILOT VALVE GANG N.C. X MACHINE	REAR RT LEG
VEDL	VALVE-DOOR UNLATCH	W7X8ZS+B	96R301B71		1/8" AIRPILOT 3W NC 240V	VALVE BOX
VEDL	VALVE-DOOR UNLATCH	W7X8ZS+C	96R301B71		1/8" AIRPILOT 3W NC 240V	VALVE BOX
VEDL	VALVE-DOOR UNLATCH MWF45,63,77	W7X8ZS+E	98CMCR3001		PILOT VALVE GANG N.C. X MACHINE	REAR RT LEG
VEDR	VALVE-DRAIN ALL EXCEPT 48040	W7X8ZEV	96D350A71		DRINVAL 3"N/O MTRDR240V 50/60C	LOWER REAR
VEDR	VALVE-DRAIN 48040F7J	W7X8ZEV	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEDR	VALVE-DRAIN 48040F7B	W7X8ZEVA	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEDRR	VALVE-DRAIN TO REUSE ALL EXCEPT 48040	W7X8ZEV	96D350B71		DRINVAL 3"N/C MTRDR240V 50/60	LOWER REAR
VEDRR	VALVE-DRAIN TO REUSE 48040F7J	W7X8ZEV	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEDRR	VALVE-DRAIN TO REUSE 48040F7B	W7X8ZEVA	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEF	VALVE-FRONT	W7X8ZRH	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEFL	VALVE-FLUSH-30022	W7X8ZEV	96P057A71		1/2"NPT X 1/2"ORIFICE 240V 5/6	REAR OF MACH
VEFL	VALVE-FLUSH-MWF27, 45,63, 77/30-42X	W7X8ZEV	96P056A71		3/4" NC 230V50/60 W/LEADS BURK	REAR OF MACH
VEFL	VALVE-FLUSH 48040F7J	W7X8ZEVA	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEFL	VALVE-FLUSH 48040F7B	W7X8ZEVA	96R301B71		1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEFLS	VALVE-FLUSH SOAP	W7X8ZEV	96P013G71		3/4" 2WAY PLAS-VAL 240V/60C	SOAP CHUTE
VEFLS	VALVE-FLUSH SOAP	W7X8ZEVA	96P013G71		3/4" 2WAY PLAS-VAL 240V/60C	SOAP CHUTE
VEHDC	VALVE-DOOR CLOSED	W7X8ZHD	96RH706E71		VLPARKER 220V50/240V60 7GPM	HYDDRAULIC UNIT

COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT NUMBER	WHERE TO FIND		MIL/NOR P/N	DESCRIPTION	LOCATION
		THIS COMPONENT				
VEHDL	VALVE-TILT DOOR UNLATCH	W7X8ZS+B		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEHDO	VALVE-DOOR OPEN	W7X8ZHD		96RH706E71	VLVPARKER 220V50/240V60 7GPM	HYDDRAULIC UNIT
VEPPO	VALVE-DOOR SEAL MW45,63,77,100ZIY7	W7X8ZS+A		98CMCR3002	PILOT VALVE GANG N.O. X MACHINE	REAR RT LEG
VEPPO	VALVE-DOOR SEAL	W7X8ZS+B		96R302B71	1/8" AIRPILOT 3W NO 240V	VALVE BOX
VEPPO	VALVE-DOOR SEAL	W7X8ZS+C		96R302B71	1/8" AIRPILOT 3W NO 240V	VALVE BOX
VEPPO	VALVE-DOOR SEAL MW45,63,77,100ZIY7	W7X8ZS+E		98CMCR3002	PILOT VALVE GANG N.O. X MACHINE	REAR RT LEG
VESTM	VALVE-STEAM-MWF45 TO MWF77/36-42X	W7X8ZEV		98CMCR3001	PILOT VALVE GANG N.C. X MACHINE	REAR RT LEG
VESTM	VALVE STEAM 48040F7J	W7X8ZEV		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VESTM	VALVE STEAM 48040F7B	W7X8ZEVA		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEU	VALVE-UP	W7X8ZRH		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEU	VALVE-UP	W7X8ZRHA		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEWC	VALVE-COLD WATER MWF27	W7X8ZEV		96P057A71	1/2"NPT X 1/2"ORIFICE 240V 5/6	REAR OF MACH
VEWC	VALVE-COLD WATER MWF45	W7X8ZEV		98CMCR3001	PILOT VALVE GANG N.C. X MACHINE	REAR RT LEG
VEWC	VALVE-COLD WATER MWF63+MWF77	W7X8ZEV		98CMCR3001	PILOT VALVE GANG N.C. X MACHINE	REAR RT LEG
VEWC	VALVE-COLD WATER 48040F7J	W7X8ZEV		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEWC	VALVE-HOT WATER MWF45/36026X	W7X8ZEV		98CMCR3001	PILOT VALVE GANG N.C. X MACHINE	REAR RT LEG
VEWC	VALVE-HOT WATER MWF63+MWF77/42X	W7X8ZEV		98CMCR3001	PILOT VALVE GANG N.C. X MACHINE	REAR RT LEG
VEWC	VALVE-COLD WATER 48040F7B	W7X8ZEVA		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEWH	VALVE-HOT WATER MWF27/30022X	W7X8ZEV		96P057A71	1/2"NPT X 1/2"ORIFICE 240V 5/6	REAR OF MACH
VEWH	VALVE-HOT WATER 48040F7J	W7X8ZEV		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEWH	VALVE-HOT WATER 48040F7B	W7X8ZEVA		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEWVX	VALVE-EXTRA WATER MWF27	W7X8ZEV		96P057A71	1/2"NPT X 1/2"ORIFICE 240V 5/6	REAR OF MACH
VEWVX	VALVE-EXTRA WATER MWF45	W7X8ZEV		96P056A71	3/4" NC 230V50/60 W/LEADS BURK	REAR OF MACH
VEWVX	VALVE-EXTRA WATER MWF63+MWF77	W7X8ZEV		96P152A71	1+1/4"NC 240V W/LEADS BURK	REAR OF MACH
VEWVX	VALVE-EXTRA WATER 48040F7J	W7X8ZEV		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX
VEWVX	VALVE-EXTRA WATER 48040F7B	W7X8ZEVA		96R301B71	1/8" AIRPILOT 3W NC 240V50/60	VALVE BOX

PELLERIN MILNOR CORPORATION

LIMITED STANDARD WARRANTY

We warrant to the original purchaser that MILNOR machines including electronic hardware/software (hereafter referred to as "equipment"), will be free from defects in material and workmanship for a period of one year from the date of shipment (unless the time period is specifically extended for certain parts pursuant to a specific MILNOR published extended warranty) from our factory with no operating hour limitation. This warranty is contingent upon the equipment being installed, operated and serviced as specified in the operating manual supplied with the equipment, and operated under normal conditions by competent operators.

Providing we receive written notification of a warranted defect within 30 days of its discovery, we will—at our option—repair or replace the defective part or parts, EX Factory (labor and freight specifically NOT included). We retain the right to require inspection of the parts claimed defective in our factory prior to repairing or replacing same. We will not be responsible, or in any way liable, for unauthorized repairs or service to our equipment, and this warranty shall be void if the equipment is tampered with, modified, or abused, used for purposes not intended in the design and construction of the machine, or is repaired or altered in any way without MILNOR's written consent.

Parts damaged by exposure to weather, to aggressive water, or to chemical attack are not covered by this warranty. For parts which require routine replacement due to normal wear—such as gaskets, contact points, brake and clutch linings, belts, hoses, and similar parts—the warranty time period is 90 days.

We reserve the right to make changes in the design and/or construction of our equipment (including purchased components) without obligation to change any equipment previously supplied.

ANY SALE OR FURNISHING OF ANY EQUIPMENT BY MILNOR IS MADE ONLY UPON THE EXPRESS UNDERSTANDING THAT MILNOR MAKES NO EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE OR ANY OTHER WARRANTY IMPLIED BY LAW INCLUDING BUT NOT LIMITED TO REDHIBITION. MILNOR WILL NOT BE RESPONSIBLE FOR ANY COSTS OR DAMAGES ACTUALLY INCURRED OR REQUIRED AS A RESULT OF: THE FAILURE OF ANY OTHER PERSON OR ENTITY TO PERFORM ITS RESPONSIBILITIES, FIRE OR OTHER HAZARD, ACCIDENT, IMPROPER STORAGE, MIS-USE, NEGLIGENCE, POWER OR ENVIRONMENTAL CONTROL MALFUNCTIONS, DAMAGE FROM LIQUIDS, OR ANY OTHER CAUSE BEYOND THE NORMAL RANGE OF USE. REGARDLESS OF HOW CAUSED, IN NO EVENT SHALL MILNOR BE LIABLE FOR SPECIAL, INDIRECT, PUNITIVE, LIQUIDATED, OR CONSEQUENTIAL COSTS OR DAMAGES, OR ANY COSTS OR DAMAGES WHATSOEVER WHICH EXCEED THE PRICE PAID TO MILNOR FOR THE EQUIPMENT IT SELLS OR FURNISHES.

THE PROVISIONS ON THIS PAGE REPRESENT THE ONLY WARRANTY FROM MILNOR AND NO OTHER WARRANTY OR CONDITIONS, STATUTORY OR OTHERWISE, SHALL BE IMPLIED.

WE NEITHER ASSUME, NOR AUTHORIZE ANY EMPLOYEE OR OTHER PERSON TO ASSUME FOR US, ANY OTHER RESPONSIBILITY AND/OR LIABILITY IN CONNECTION WITH THE SALE OR FURNISHING OF OUR EQUIPMENT TO ANY BUYER.

BMP720097/19036

How to Get the Necessary Repair Components



This document uses Simplified Technical English.
Learn more at <http://www.asd-ste100.org>.

You can get components to repair your machine from the approved supplier where you got this machine. Your supplier will usually have the necessary components in stock. You can also get components from the Milnor® factory.

Tell the supplier the machine model and serial number and this data for each necessary component:

- The component number from this manual
- The component name if known
- The necessary quantity
- The necessary transportation requirements
- If the component is an electrical component, give the schematic number if known.
- If the component is a motor or an electrical control, give the nameplate data from the used component.

To write to the Milnor factory:

Pellerin Milnor Corporation
Post Office Box 400
Kenner, LA 70063-0400
UNITED STATES

Telephone: 504-467-2787
Fax: 504-469-9777
Email: parts@milnor.com

— End of BIUUUD19 —

BIUUUK01 (Published) Book specs- Dates: 20130308 / 20130308 / 20130308 Lang: ENG01 Applic: PCR UUU

How to Use Milnor® Electrical Schematic Diagrams

Milnor® electrical schematic manuals contain a table of contents/component list and a set of schematic drawings. These documents are cross referenced and must be used together.

The table of contents/components list shows, for every component on every schematic in the manual, the component item number (explained in detail below), statement of function, parent schematic number, part number, description and electric box location. In older manuals, two component lists are provided: List 1 sorts the components by function, and List 2 by type of component. Newer schematic manuals include only the list sorted by component number.

The schematic drawings use symbols for each electromechanical component, and indicate the function of each. Integrated circuits are not shown, but the function of each microprocessor input and output is stated. Certain electrical components not pertinent to circuit logic, such as wire connectors, are not represented on the schematic.

Most machines require several schematics to describe the complete control system and all the options available on the included models. In most manuals there are some schematic pages that don't apply to your specific machine because certain options and configurations are mutually exclusive or are not necessary in all markets. You may find it helpful to mark or remove such pages. A schematic page that only applies to a subset of machines will normally state, in the title, which models and/or options it covers. Compare this with the nameplate on your machine and with your purchase records.

Each schematic is devoted to circuits with common functions (e.g., microprocessor inputs, motor contactors). Schematics appear in the manual in alphanumeric order.

1. Component Prefix Classifications and Descriptions

Component item numbers consist of up to six characters and appear as part of a component's symbol on the schematic. The first two characters indicate the general class of component, and the remaining characters are a mnemonic for the function. For example, "CD" is the code for all time delay relays, and "SR" stands for safety reset. Thus, CDSR is a time delay relay that serves as a safety reset.

The following are descriptions of electrical components used in Milnor® machines. Descriptions are in alphabetical order by the component class code (two character prefix).

Note 1: Some component class codes do not have a corresponding symbol, but are represented by a box and an accompanying note describing the component. Examples of such codes are BA (printed circuit board), ED (electronic display), and ES (electronic power supply).

BA=Printed Circuit Board—Insulating substrate on which a thin pattern of copper conductors has been formed to connect discrete electronic components also mounted on the board.

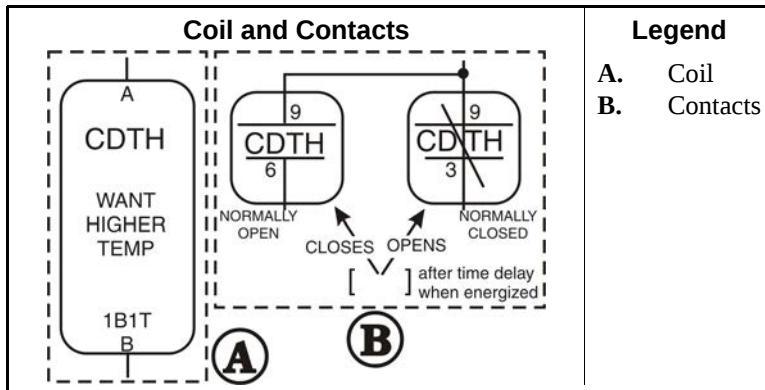
CB=Circuit Breaker (Figure 1)—Automatic switch that opens an electric circuit in abnormal current conditions (e.g., an overload).

Figure 1: Circuit Breaker (CB)



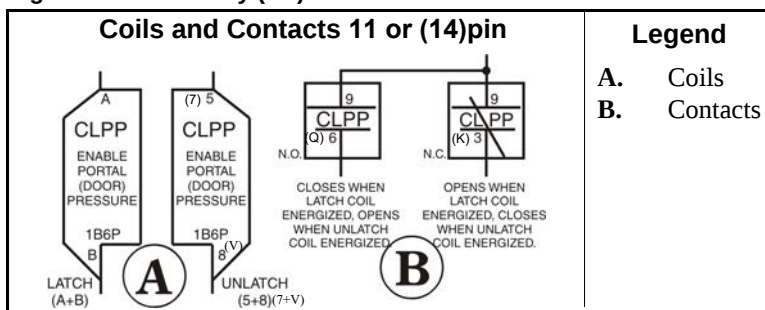
CD=Control, Time Delay Relay (Figure 2)—A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.

Figure 2: Time Delay Relay (CD)



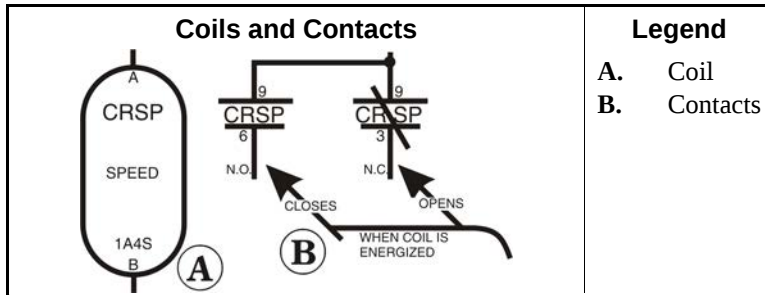
CL=Control, Latch Relay (Figure 3)—A relay which latches in an energized or set position when operated by one coil (the latch/set coil). The relay stays latched even though coil voltage is removed. The relay releases or unlatches when voltage is applied to a second coil (the unlatch/reset coil).

Figure 3: Latch Relay (CL)

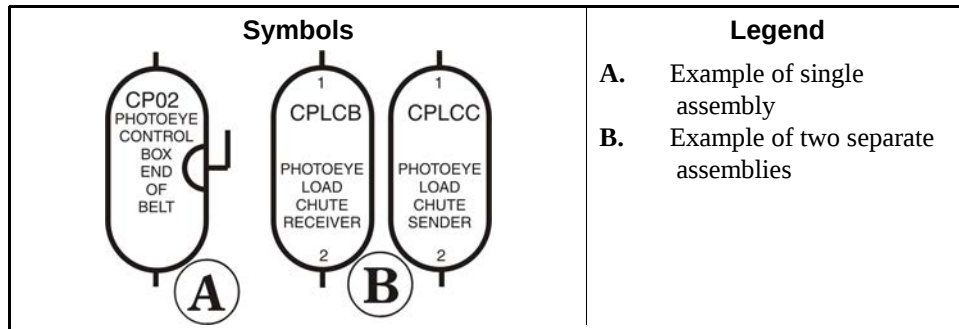


CR=Control, Relay (Figure 4)—A relay whose contacts switch immediately when voltage is applied to its coil and revert to normal when the voltage is removed.

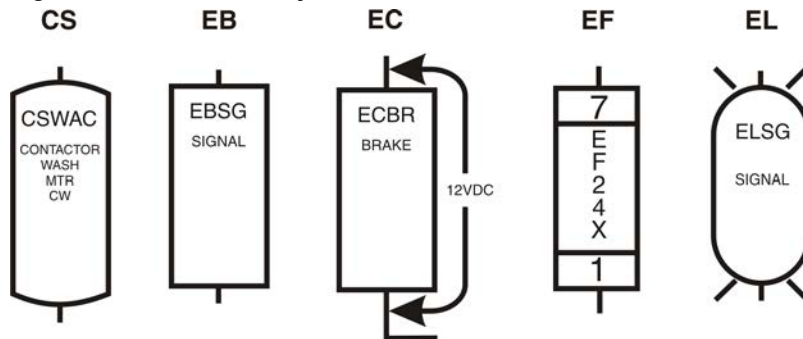
Figure 4: Standard Relay (CR)



CP=Control, Photo-Eye (Figure 5)—Photo-eyes sense the presence of an object without direct physical contact. Photo-eyes consist of a transmitter, receiver, and output module. These components may be housed in one assembly with the transmitter bouncing light off of a reflector to the receiver, or these components can be housed in two separate assemblies with the transmitter pointed directly at the receiver. The photo-eye can be set to turn on its output either when the light beam becomes blocked (dark operate) or when it becomes un-blocked (light operate).

Figure 5: Photo-eye (CP)

CS=Control, Contactor/Motor Starter (Figure 6)—A relay capable of handling heavier electrical loads, usually a motor.

Figure 6: Other Control Symbols

EB=Electric Buzzer (Figure 6)—An audible signaling device.

EC=Electric Clutch (Figure 6)—A clutch consists of a coil and a rotor. The rotor has two separate rotating plates. These plates are free to rotate independent of each other until the coil is energized. Once energized the two plates turn as one.

ED=Electronic Display—A visual presentation of data, such as an LCD (liquid crystal display), LED (light emitting diode) display, or VFD (vacuum florescent display).

EF=Electric Fuse (Figure 6)—A fuse is an over-current safety device with a circuit opening fusible member which is heated and severed by the passage of over-current through it.

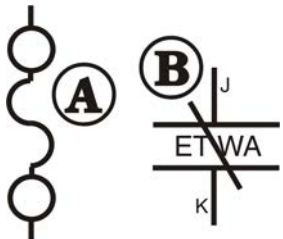
EL=Electric Light (Figure 6)—Indicator lights may be either incandescent or fluorescent.

EM=Electro Magnet Solenoid—A device consisting of a core surrounded by a wire coil through which an electric current is passed. While current is flowing, iron is attracted to the core (e.g., a pinch tube drain valve solenoid).

ES=Electronic Power Supply—A device that converts AC (alternating current) to filtered and regulated DC (direct current). The input voltage to the power supply is usually 120 or 240 VAC. The output is +5, +12, and -12 VDC.

ET=Thermal Overload (Figure 7)—A safety device designed to protect a motor. A thermal overload consists of an overload block, heaters, and an auxiliary contact. The auxiliary contact is normally installed in a safety (three-wire) circuit that stops power to the motor contactor coil when a motor overload occurs.

Figure 7: Thermal Overload (ET)

Schematic Symbol	Legend
	A. Heater (one per phase) B. Overload relay; contacts open if overload condition exists

EX=Electrical Transformer (Figure 8)—A device that transfers electrical energy from one isolated circuit to another, often raising or lowering the voltage in the process.

KB=Keyboard—Device similar to a typewriter for making entries to a computer.

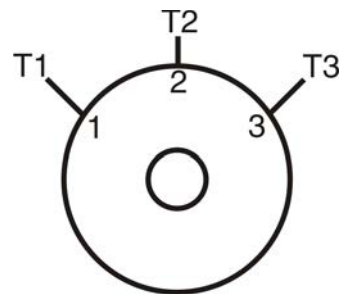
MN=Electronic Monitor (CRT)—A cathode ray tube used for visual presentation of data.

MR=Motors (Figure 9)—Electromechanical device that converts electrical energy into mechanical energy.

Figure 8: Transformer (EX)



Figure 9: Electric Motor (MR)

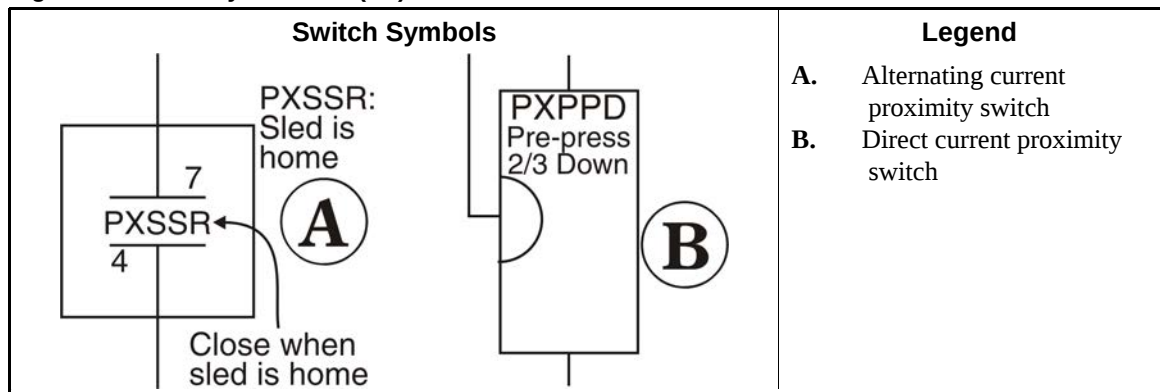


MV=Motor (Variable Speed) Inverter—To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained. The motor variable speed inverter converts three phase AC to DC. The inverter then uses this DC voltage to generate AC at the proper voltage and frequency for the commanded speed.

Note 2: Switch symbols used in the schematics and described below always depict the switch in its un-actuated state.

PX=Proximity Switch (Figure 10)—A device which reacts to the proximity of a target without physical contact or connection. The actuator or target causes a change in the inductance of the proximity switch which causes the switch to operate. Proximity switches can be two-wire (AC) or three-wire (DC) devices.

Figure 10: Proximity Switches (PX)



SC=Switch, Cam Operated (Figure 11)—A switch in which the electrical contacts are opened and/or closed by the mechanical action of a cam(s). Applications include 35-50 pound timer operated machines, Autospot, timer reversing motor assembly, and some balancing systems.

SH=Switch, Hand Operated (Figure 12)—A switch that is manually operated (e.g., *Start button*, *Master switch*, etc.).

Figure 11: Cam Switch (SC)

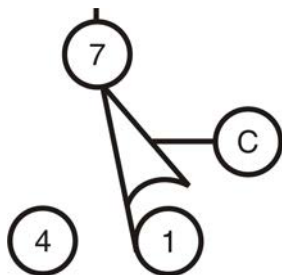
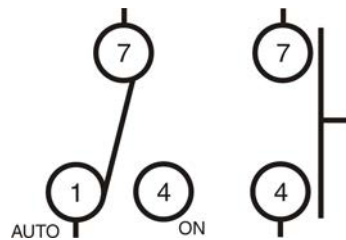


Figure 12: Hand Operated Switch (SH)



SK=Switch, Key Lock (Figure 13)—A switch that requires a key to operate. This prevents unauthorized personnel from gaining access to certain functions (e.g., the *Program menu*).

SL=Switch, Level Operated (Figure 14)—A switch connected to a float that causes the switch to open and close as the level changes.

Figure 13: Key Switch (SK)

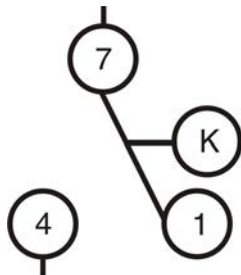
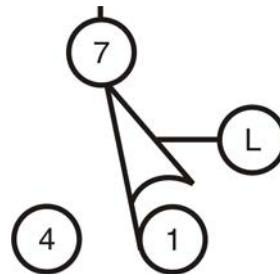


Figure 14: Level Switch (SL)



SM=Switch, Mechanically Operated (Figure 15)—A switch that is mechanically operated by a part of or the motion of the machine (e.g., door closed switch, tilt limit switches, etc.)

SP=Switch, Pressure Operated (Figure 16)—A switch in which a diaphragm presses against a switch actuator.

Figure 15: Mechanical Switch (SM)

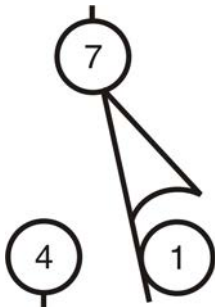
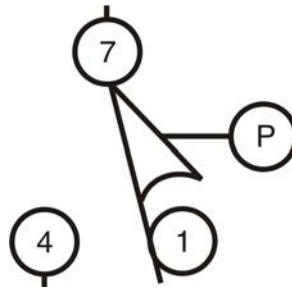


Figure 16: Pressure Switch (SP)



ST=Switch, Temperature Operated (Figure 17)—A switch that is actuated at a preset temperature (e.g., dryer safety probes) or has adjustable set points (e.g., Motometers or Combistats).

TB=Terminal Board (Figure 18)—A strip or block for attaching or terminating wires.

Figure 17: Temperature Switch (ST)

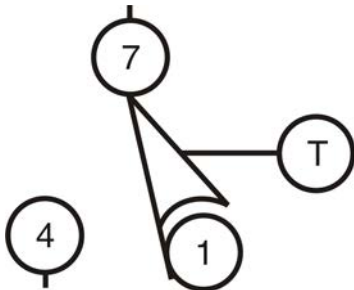


Figure 18: Terminal Board (TB)



VE=Valve, Electric Operated (Figure 19)—A valve operated by an electric coil to control the flow of fluid. The fluid can be air, water or hydraulic.

Figure 19: Electrically Operated Valve (VE)



ZF=Rectifier (Figure 20)—A solid state device that converts alternating current to direct current.

Figure 20: Bridge Rectifier (ZF)

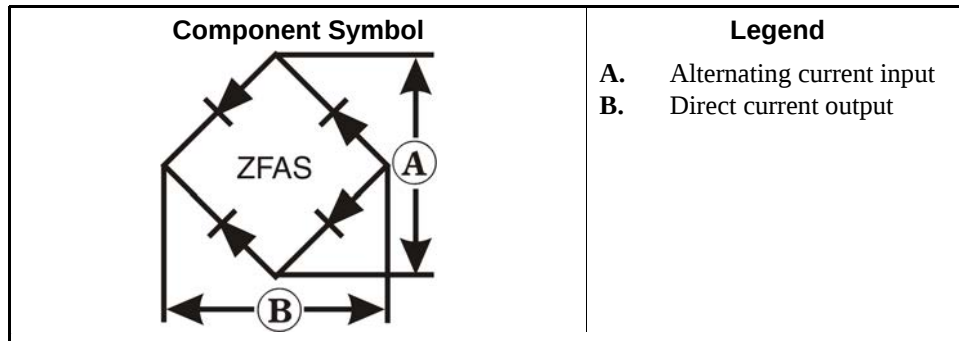
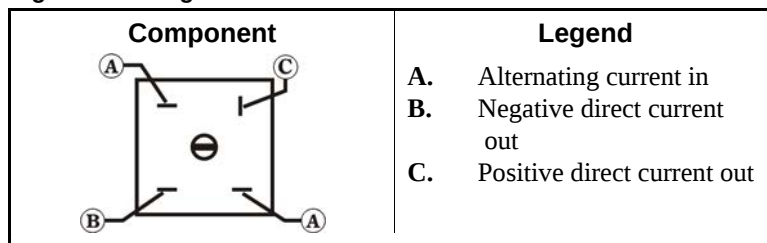


Figure 21: Bridge Rectifier



WC=Wiring Connector—A coupling device for joining two cables or connecting a cable to an electronic circuit or piece of equipment. Connectors are male or female, according to whether they plug into or receive the mating connector.

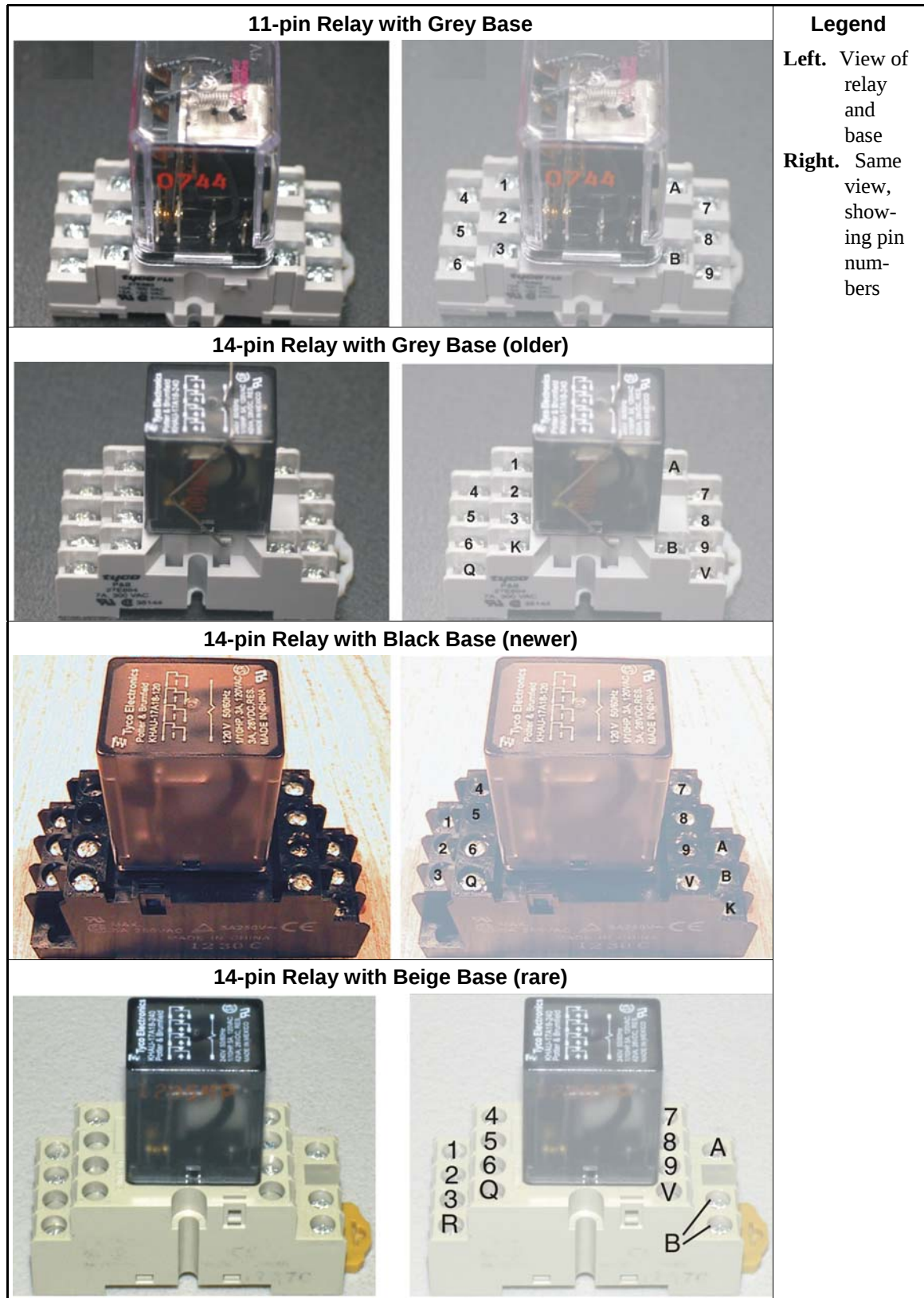
2. Component Terminal Numbering



CAUTION 1: Risk of Mis-wiring—Due to electrical component manufacturing inconsistencies, the pin numbers imprinted on components such as connectors and relay bases used on Milnor machines often do not correspond to the pin numbers shown in the schematics.

- Ignore pin numbers imprinted on in-line connectors (e.g., Molex connectors) and relay bases.
- Use the pin identification illustrations herein to identify pins on these components.

Figure 22: Plug-in Relays



Note 3: Relay functional names ending with the letter "M" (e.g., CRxxM) are not discrete components but are a component of a printed circuit board. They are usually not individually replaceable.

Figure 23: AMP Connector Pin Locations

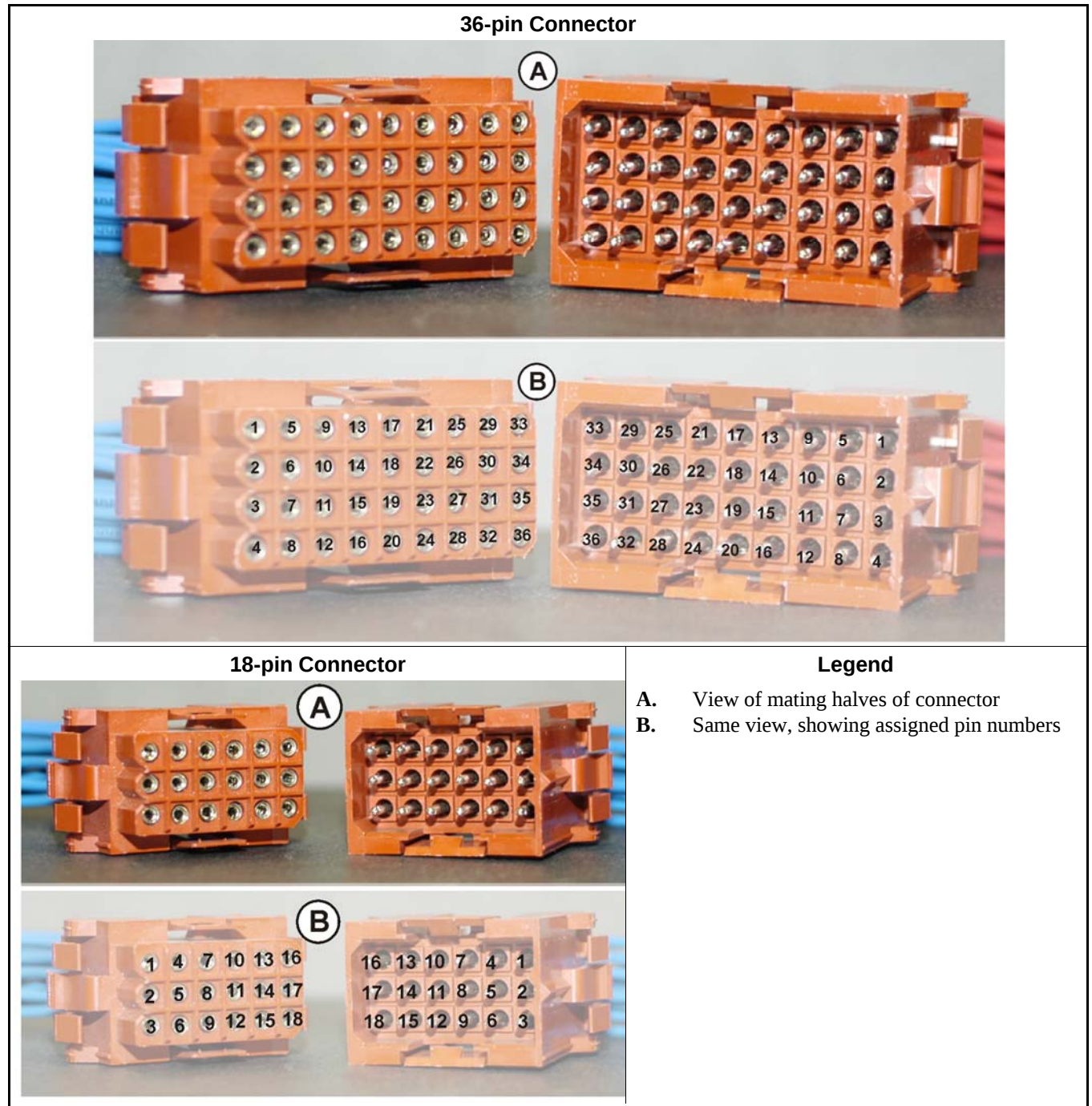


Figure 24: Molex Connector Pin Locations

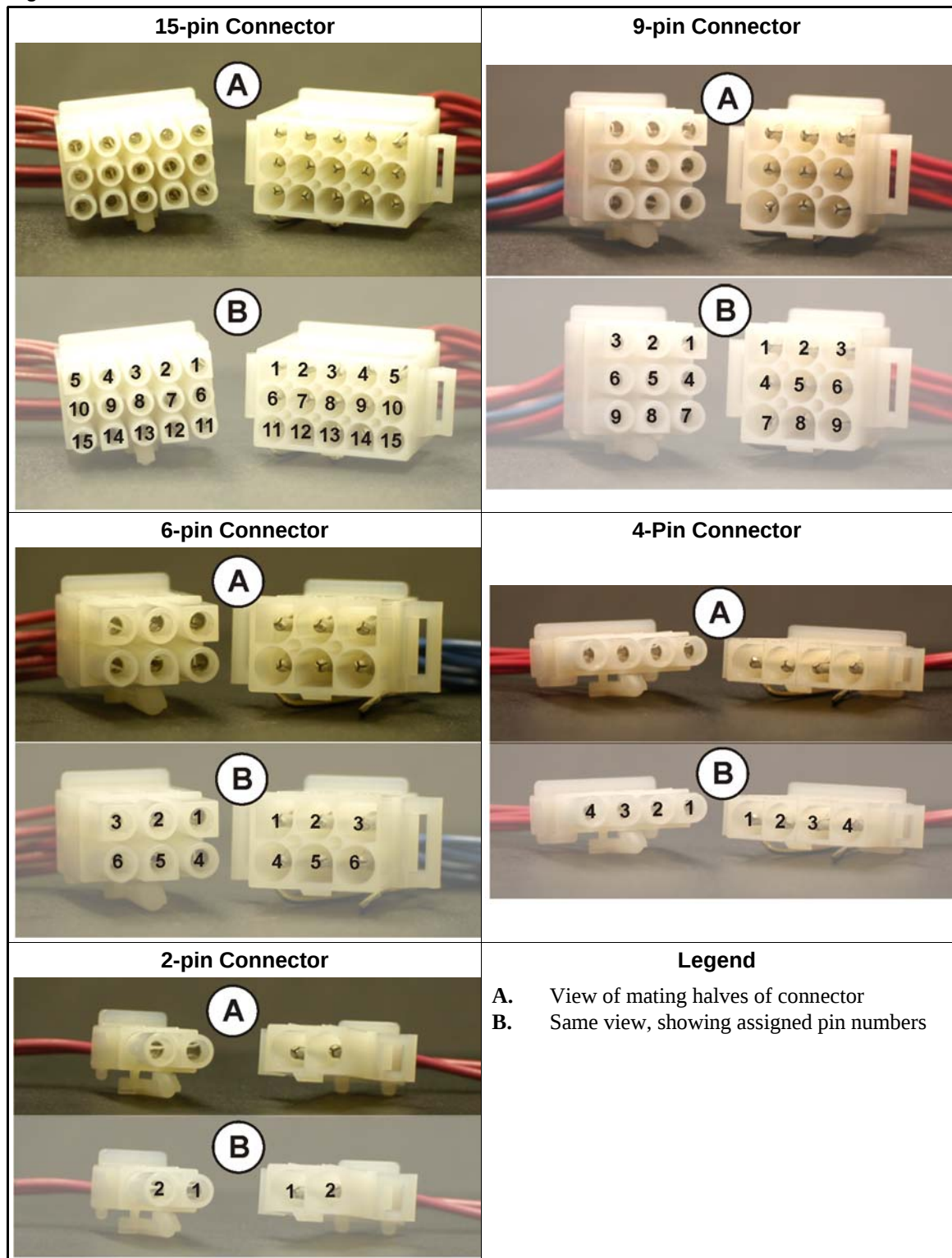


Figure 25: Pressure Switch

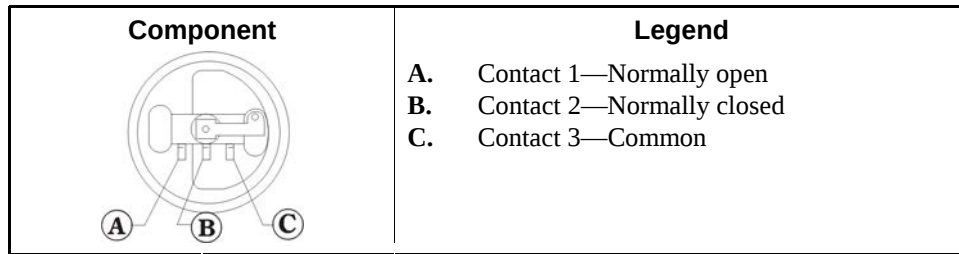


Figure 26: Toggle Switch

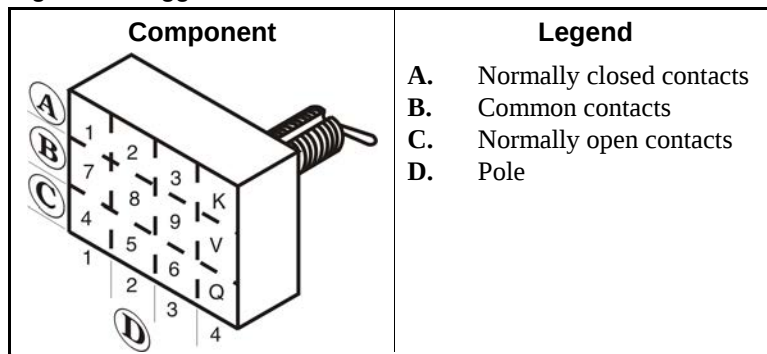
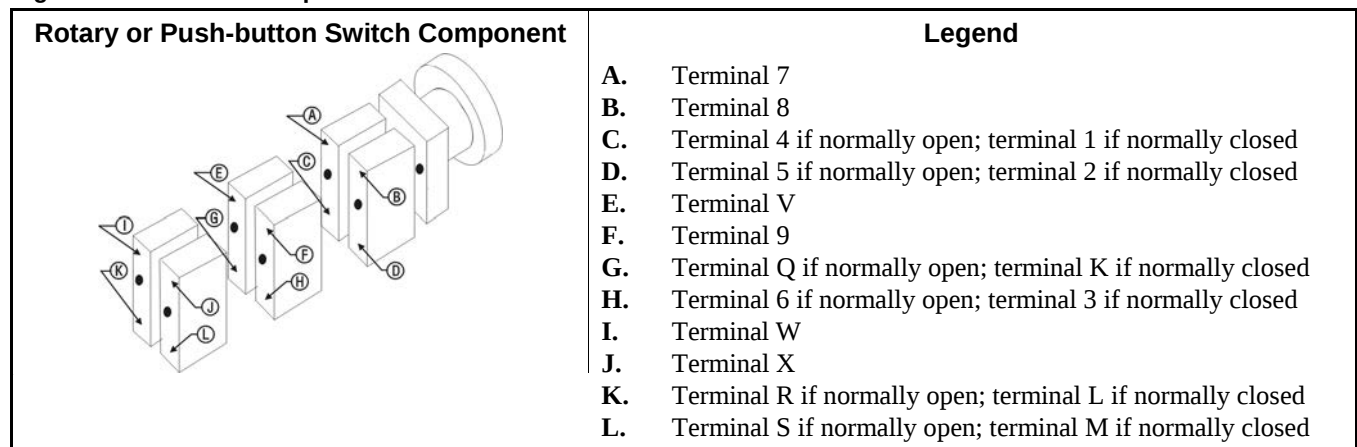


Figure 27: Switch with Replaceable Contact Blocks



3. Features of Milnor® Electrical Schematic Diagrams

Document BMP010012 (following this section) is a sample schematic, based on a schematic diagram for the Milnor® gas dryer. For the purposes of this exercise, the schematic is shown gray and explanations of the items on the schematic are shown black.

The item numbers below correspond to the circled item numbers shown on the drawing.

1. The first six characters of the drawing number (W6DRYG) indicate that this is a wiring diagram (W), identify the generation of controls (6), and identify the type of machine (DRYG=Gas Dryer). These characters appear in the drawing number of every schematic in the set.

The characters following the first six are unique to each drawing. The two characters identified as the page number are an abbreviation for the function performed by the depicted

circuitry (S+=three-wire circuit) and establish the order in which the schematic occurs in the manual (schematics are arranged in alpha-numeric order in the manual).

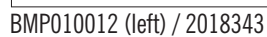
Whenever circuitry changes are significant enough to warrant publishing a new schematic drawing, the new drawing number will be the same as the old except for the major revision letter (A in the example).

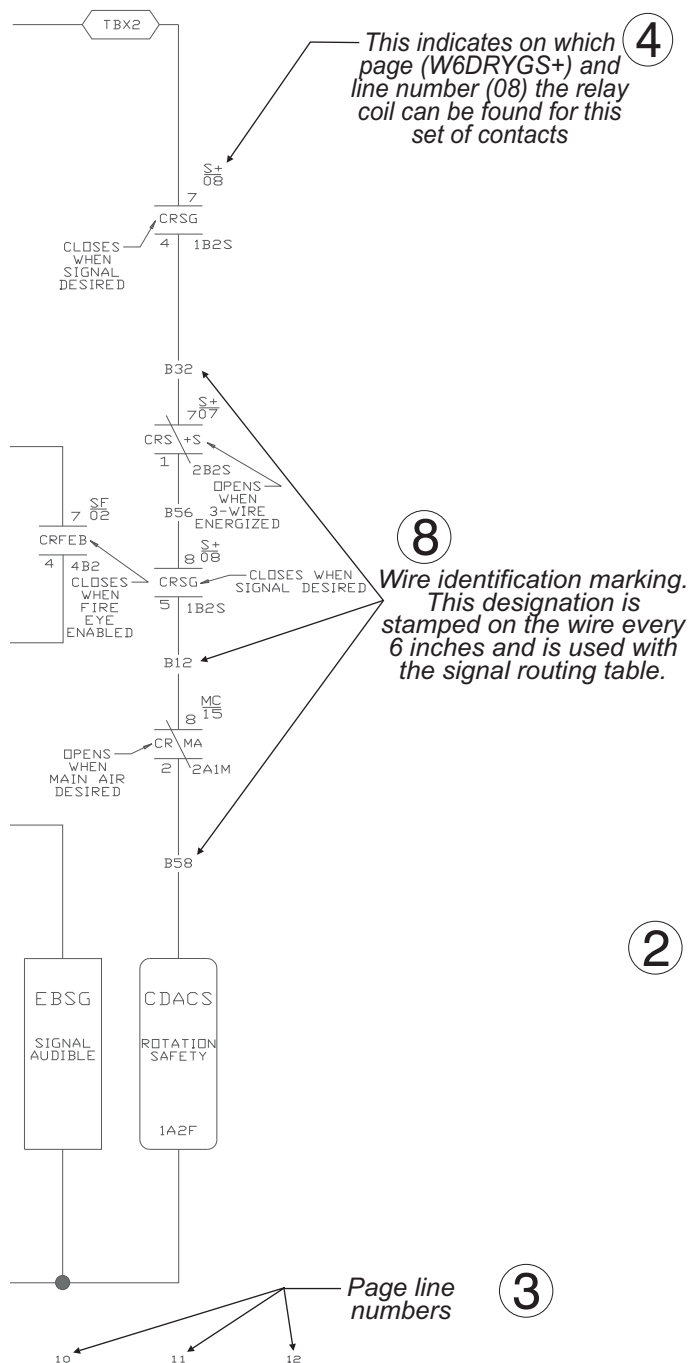
2. Included in the drawing title are the class of control system, the title of this circuit, and the circuit voltage.
3. Line numbers are provided along the bottom edge of the drawing. These permit service personnel in the field and at the Milnor® factory to quickly relate circuit locations when discussing troubleshooting over the phone. Page and line numbers are referenced on the drawing as explained in items five and six below.
4. Relay contacts show the page and line number on which the relay coil may be found. This is the type of cross referencing most frequently used in troubleshooting.
5. Relay coils show the page and line number on which its associated contacts are located.
6. Relay contacts and relay coils show the physical location of the relay.
7. The designation MTA applies to electronic circuit board connections. Typically, a control system will contain several different types of circuit boards and one or more boards of each type. A numerical suffix identifies the board type and a numerical prefix identifies which one of several boards of a given type is being depicted. For example, the designation 1MTA5 identifies this as the first I/O board (8 output, 16 input board) in the control system. As shown on the drawing, a pin number follows the board number, separated by a dash. Thus, 1MTA5-9 is pin 9 on this board. The numerical designations for board types vary from one control system to another. Some of the board types commonly encountered on the Mark V and Mark VI washer-extractor control and their designations are as follows:
 - MTM1-MTM8 = Mother board
 - MTA1-MTA5 = 8 output, 16 input (8/16) boards
 - MTA11-MTA14 = 24 output boards
 - MTA30-MTA40 = processor boards
 - MTA41-MTA43 = digital to analog (D/A) boards
 - MTA51-MTA55 = analog to digital (A/D) boards
 - MTA81-MTA85 = balance A-D board

The complete listing of the boards utilized in a given control system can be found in the component list for that system.

8. Wire numbers, as described earlier in this section, are shown at appropriate locations on the schematic drawing.
9. Where diamond symbols appear at the end of a conductor, these are match points for continuing the schematic on another drawing. The page and line number that continues the circuit is printed adjacent to the diamond symbol. Where more than one match point appears on the referenced page, match diamonds containing corresponding letters.

— End of BIUUUK01 —





Major revision (letter)

1 Page number (S+)

Machine type (Gas fired dryer)

6th generation of controls

W = Wiring

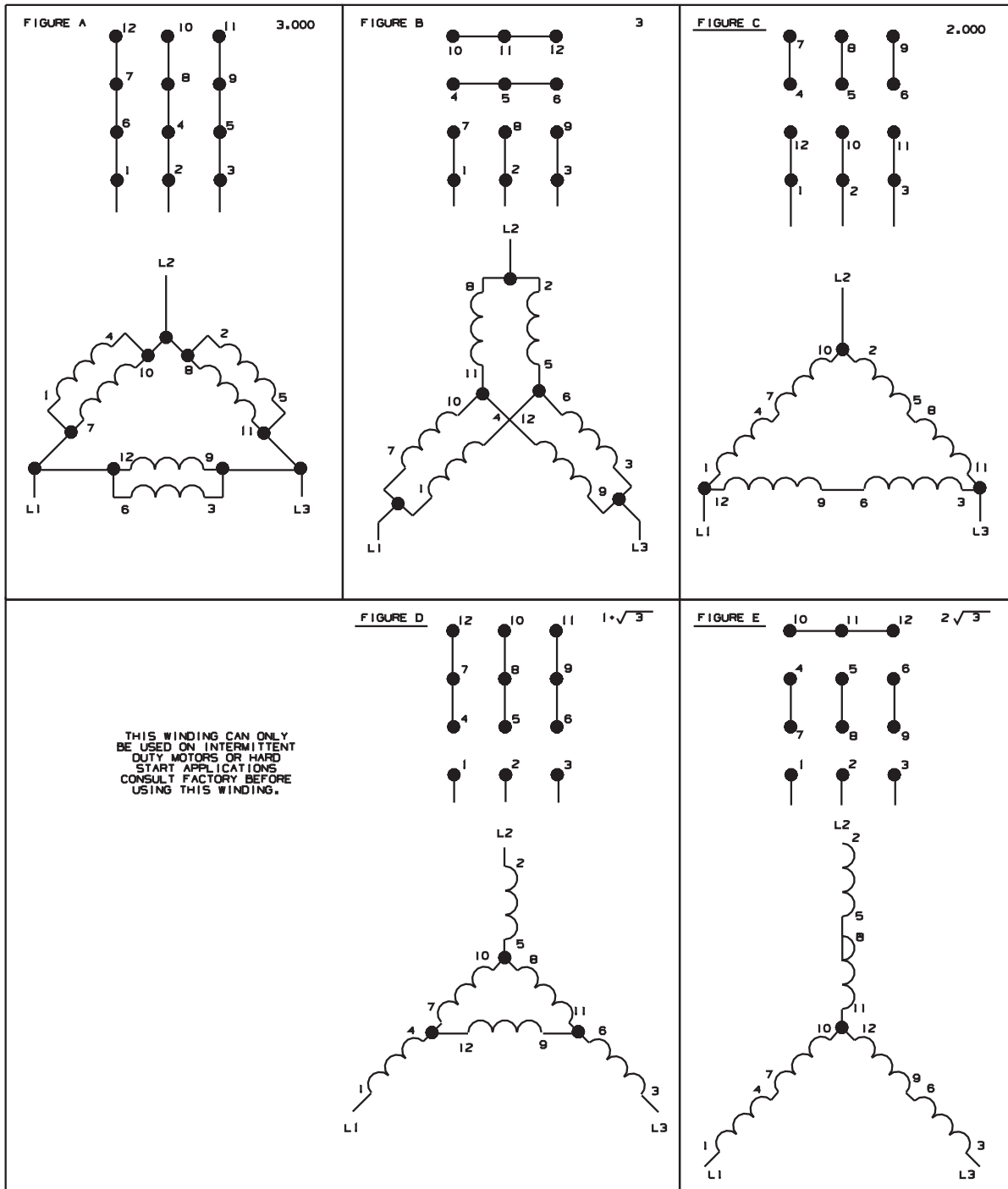
Class of control system

Title of this circuit
Voltage of this circuit

NOTES:

1. TBL IS LOCATED IN LEFT CONTROL BOX.
2. TBA IS LOCATED IN RIGHT CONTROL BOX.
3. TBX IS LOCATED IN LEFT CONTROL BOX.
4. 1MTA5 IS LOCATED ON BID1 (8 OUTPUT-16 INPUT BOARD).
5. REMOVE **1** IF DRYER HAS VALVE SET SHUT OPTION.

FIGURE	ELECTRICAL VALUES	SUFFIXES							
		B		H		M		T	
		50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
A	1,000	208	230			200	220	220	240
B	$\sqrt{3}$			208	240	346	380	380	
C	2,000	416	460	220	240	400	440	440	480
D	$1 + \sqrt{3}$						600		
E	$2\sqrt{3}$			380					



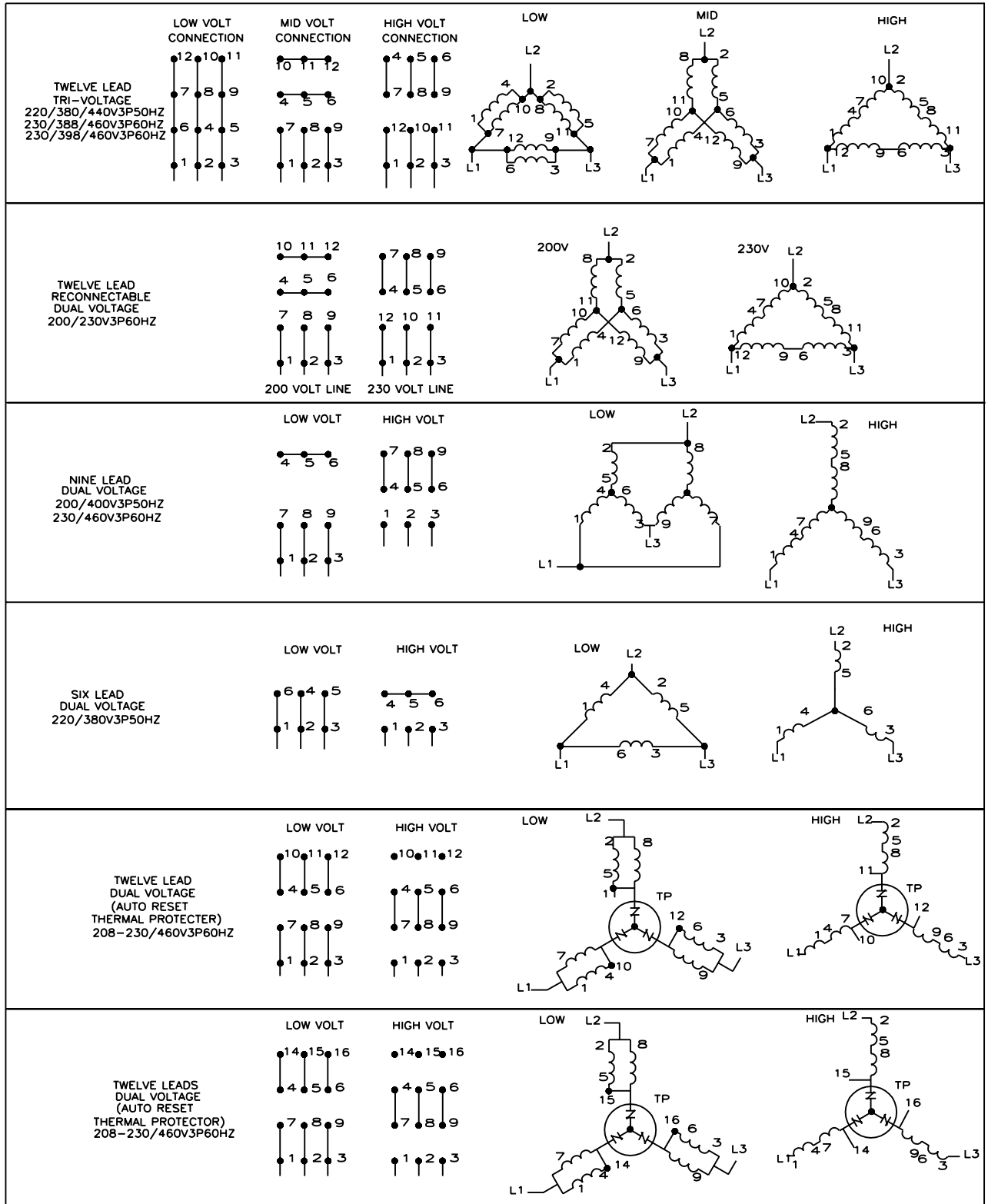
06 07 08 09 10 11 12 13 14 15 16 17

BMP850029

MOTOR CONNECTION DIAGRAMS

THREE PHASE SINGLE SPEED MOTORS WITH MULTIPLE VOLTAGE RATINGS
(ONLY FOR MOTOR SUFFIXES LISTED)

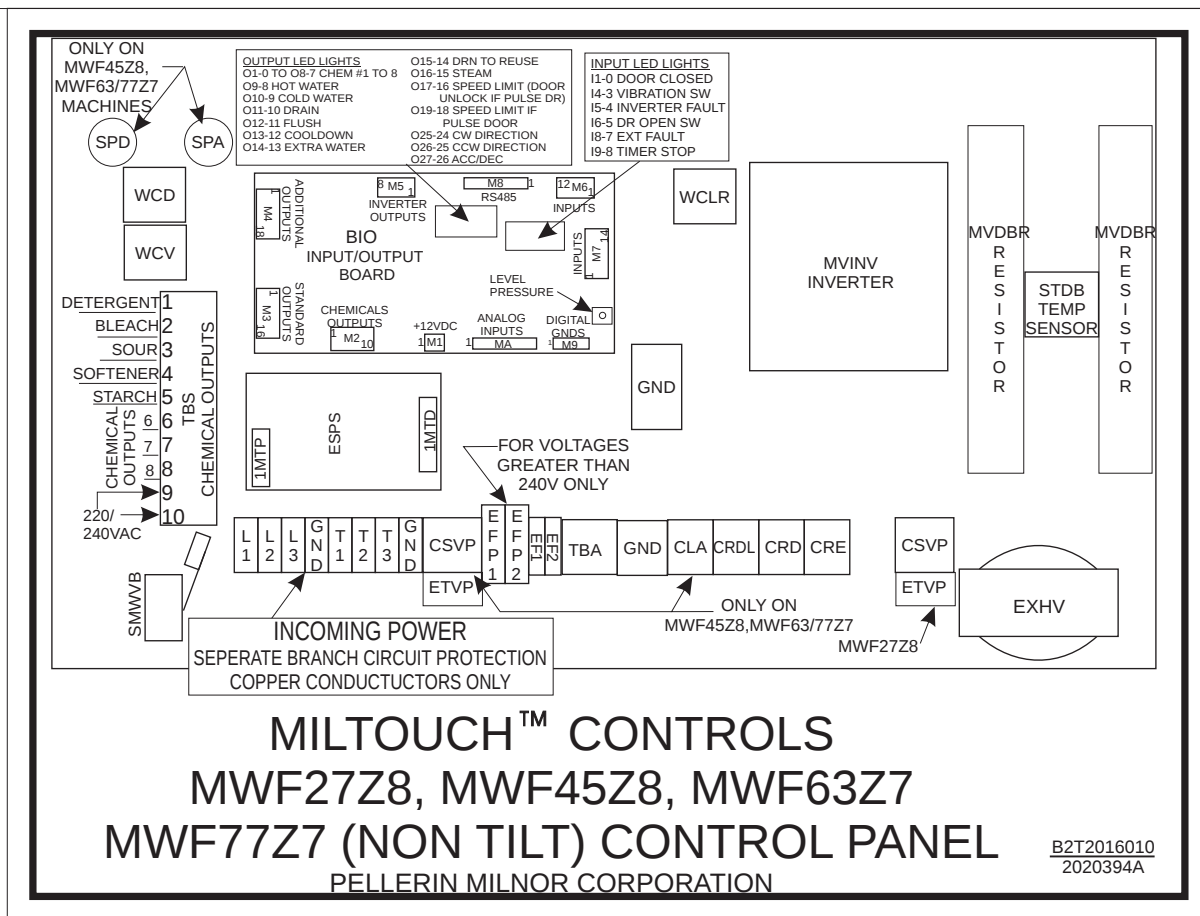
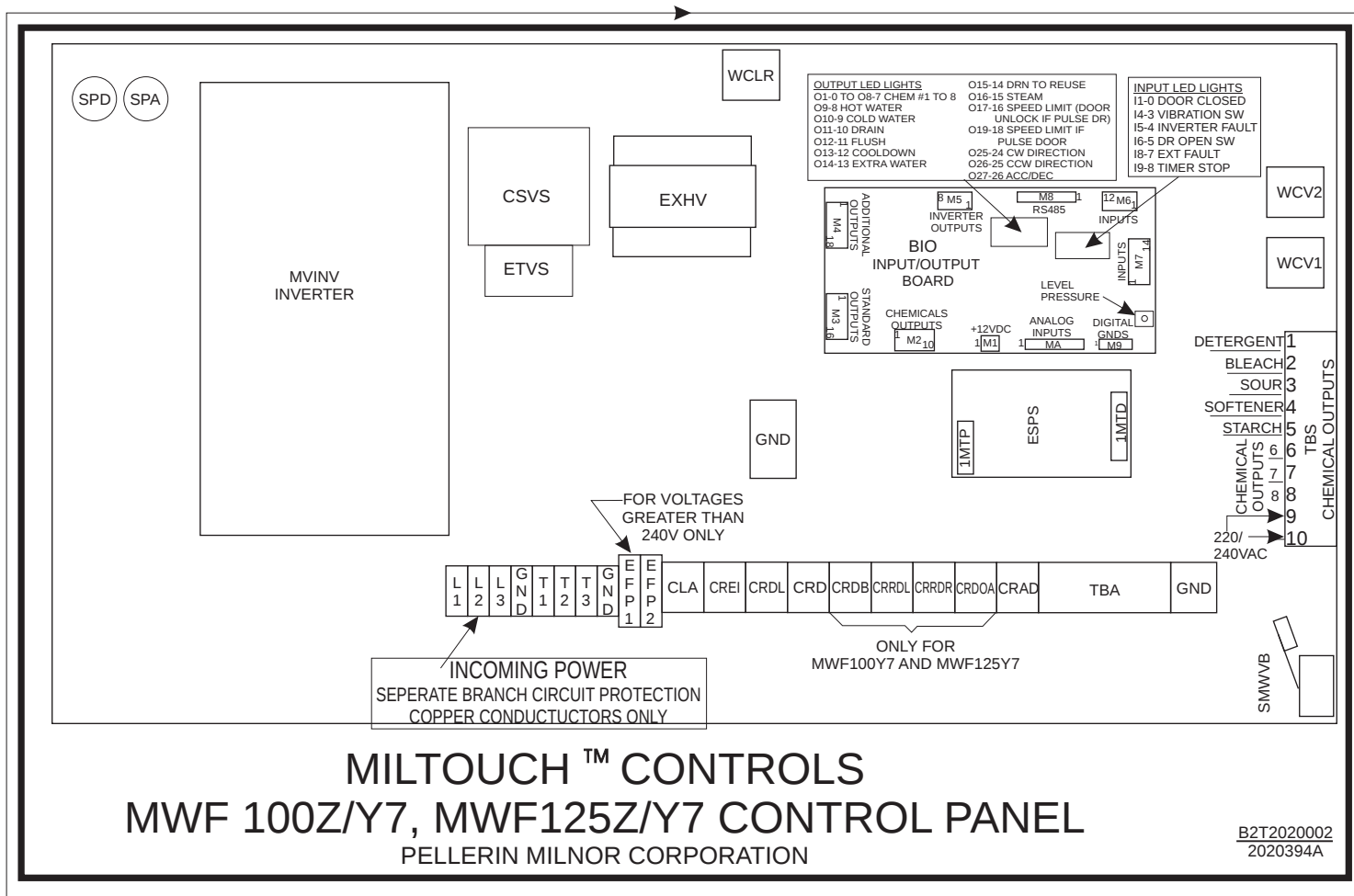
PELLERIN MILNOR CORPORATION

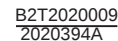


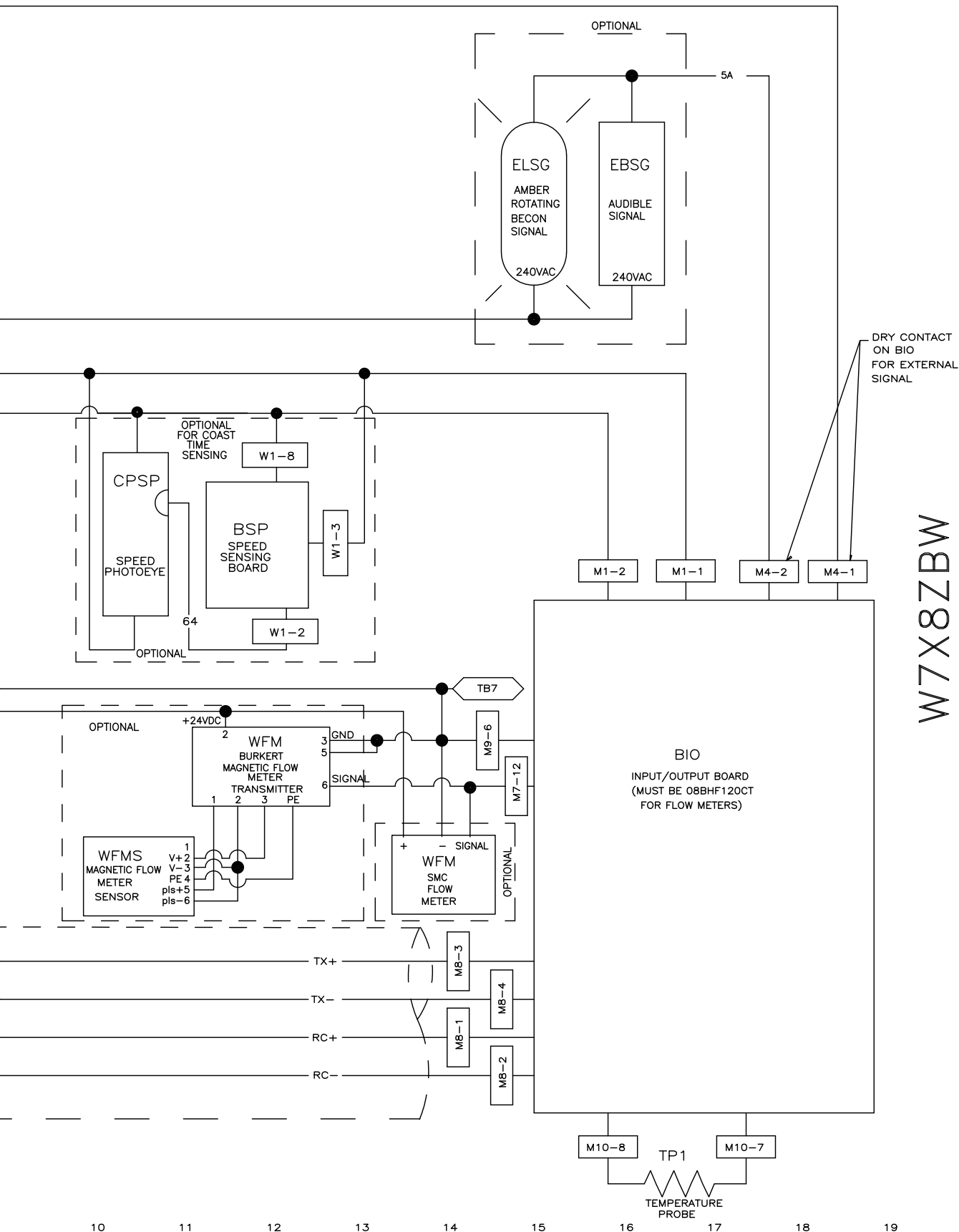
W80008

THREE PHASE
MOTOR CONNECTION DIAGRAMS
SINGLE SPEED MOTORS WITH MULTIPLE VOLTAGE RATINGS
PELLERIN MILNOR CORPORATION

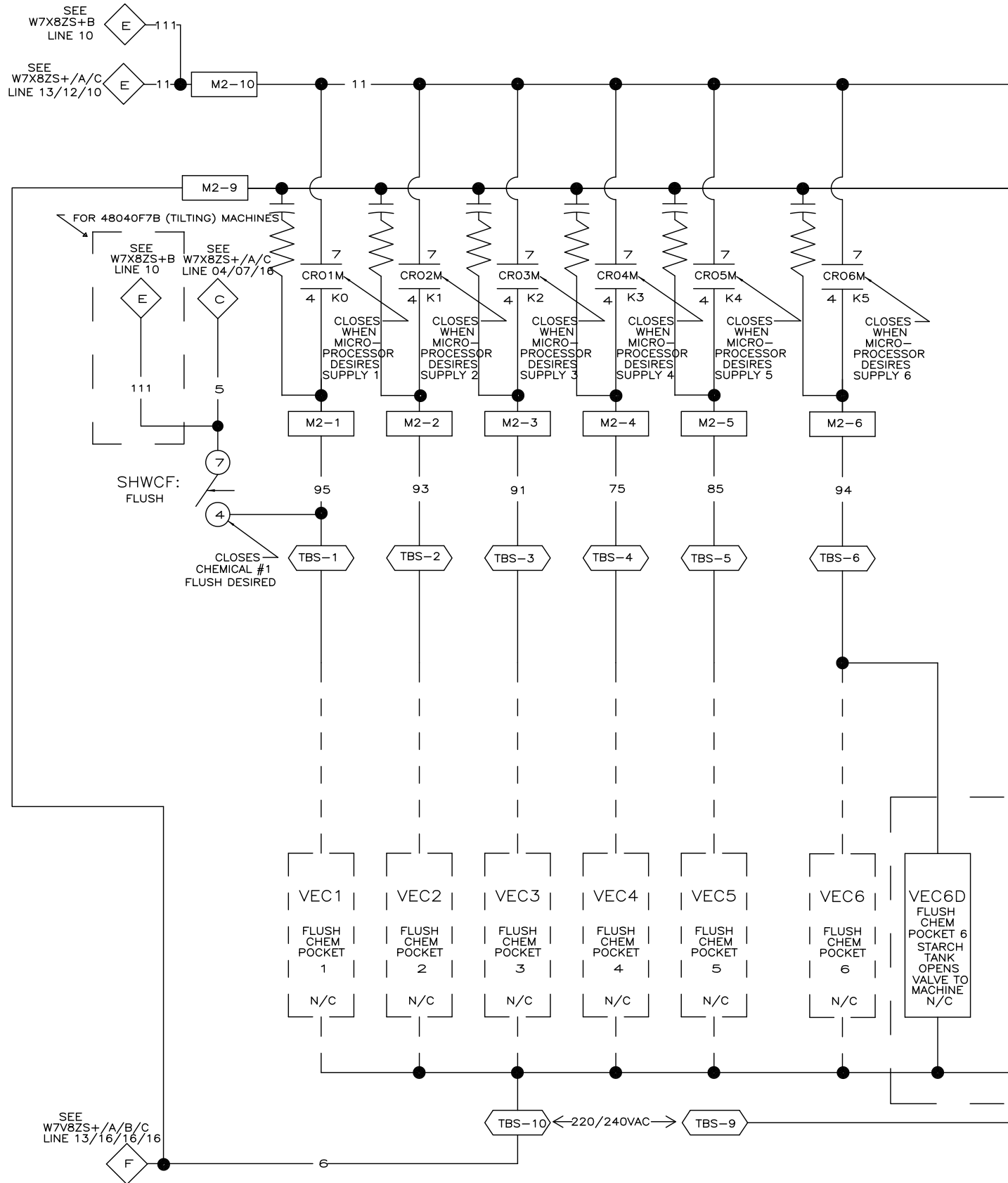
W80008
2001253A

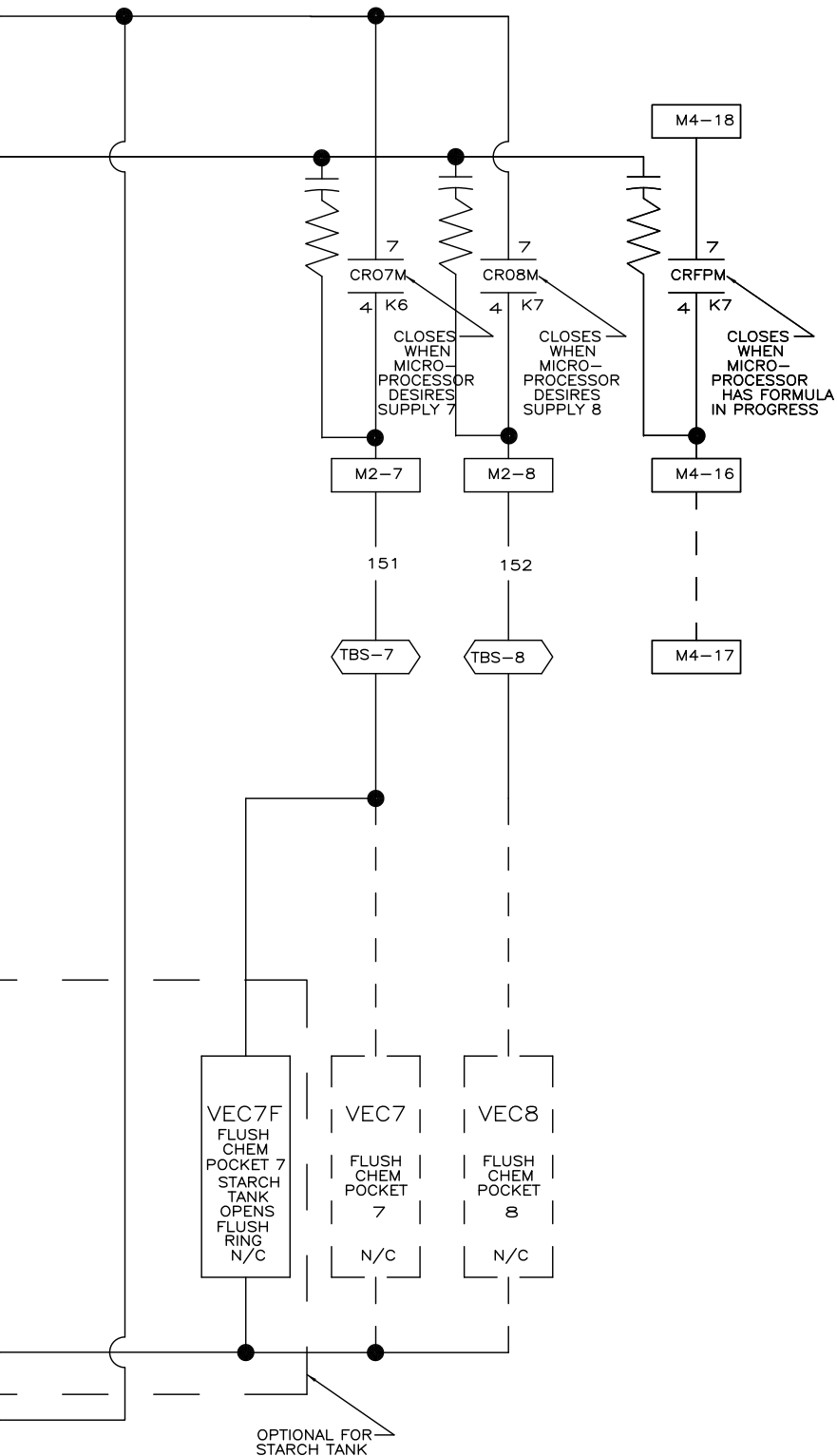






W7X8ZBW
MILTOUCH CONTROLS
SCHEMATIC: BOARD TO BOARD WIRING
PELLERIN MILNOR CORPORATION

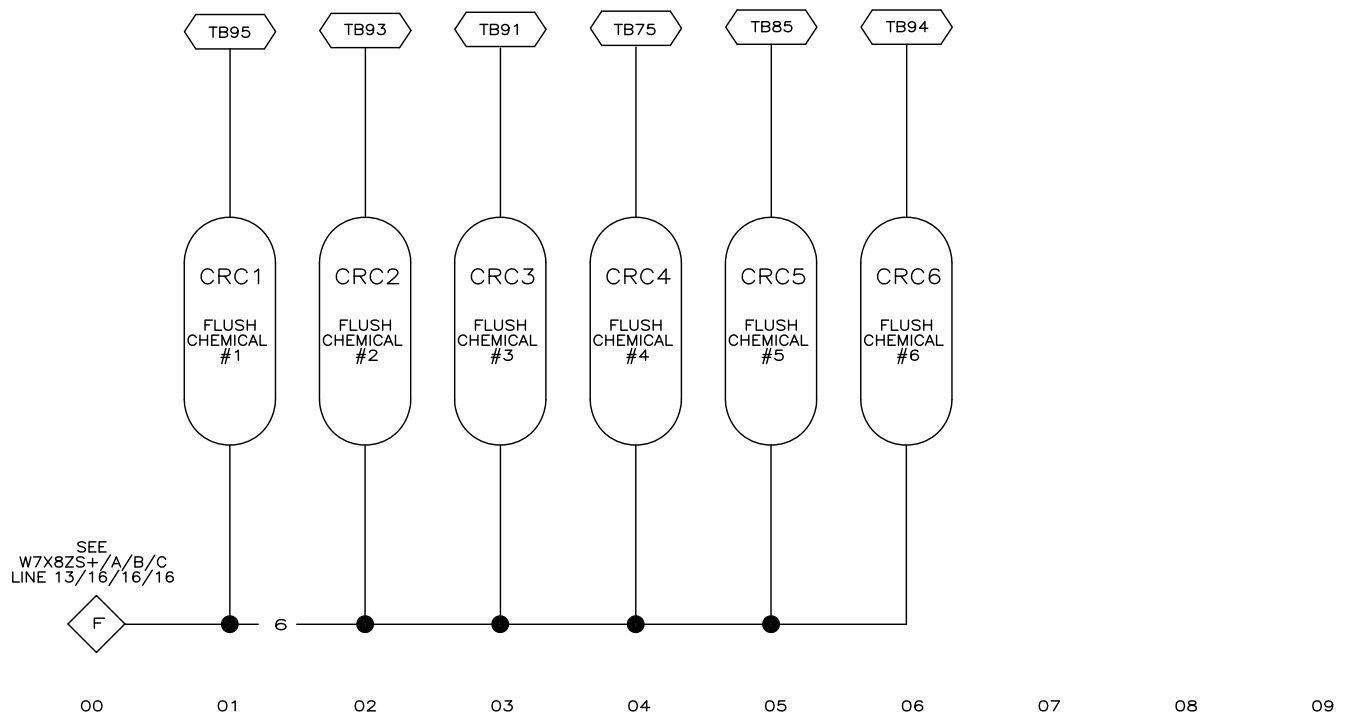
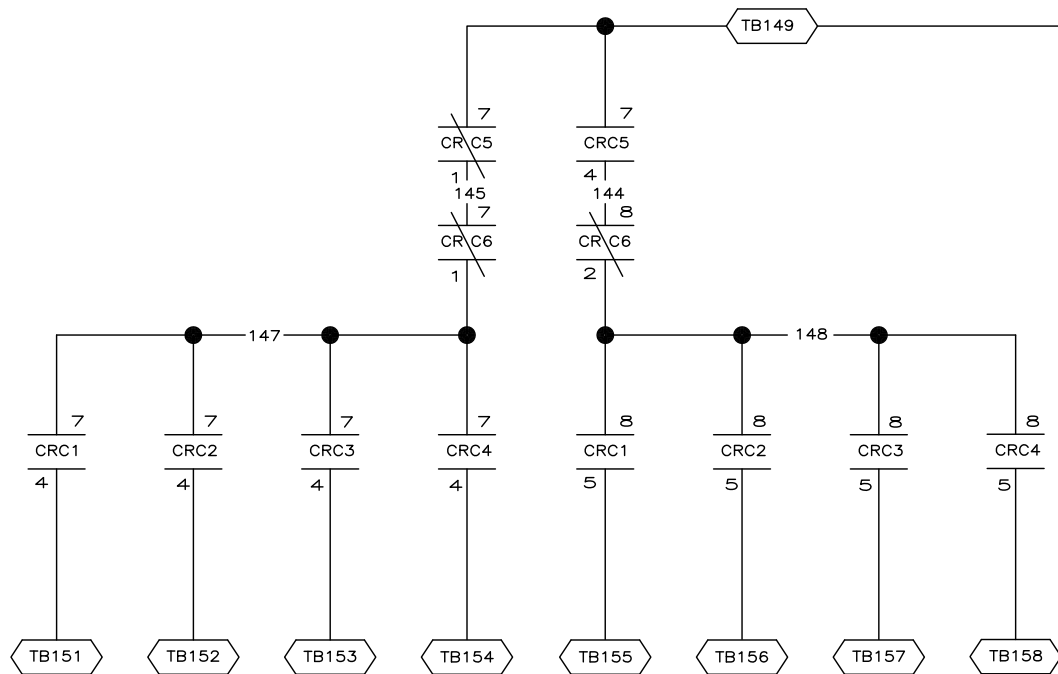




NOTES:

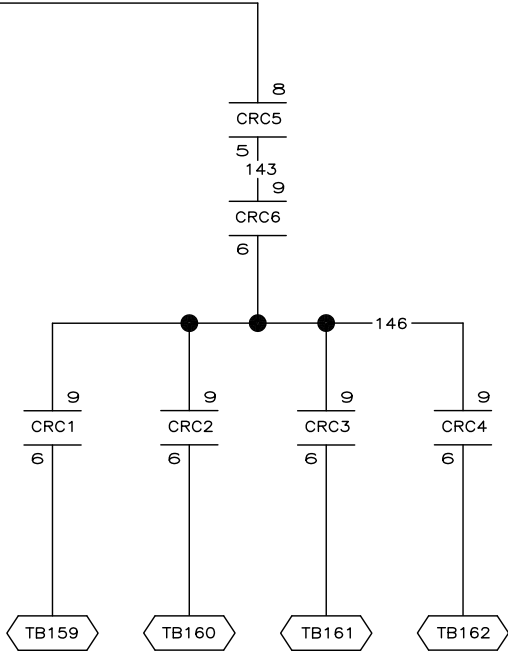
1. M 2 IS LOCATED ON BIO I/O BOARD.
2. TBS IS LOCATED NEAR THE REAR ACCESS PANEL NEXT TO THE INCOMING POWER CONNECTIONS.

W7X8ZCF
MILTOUCH CONTROLS
SCHEMATIC: FLUSHING SUPPLIES
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION



W7X8ZCM
2013133B

LITHO IN U.S.A.



W7X8ZCM

MICRO 7 SYSTEMS MARK V

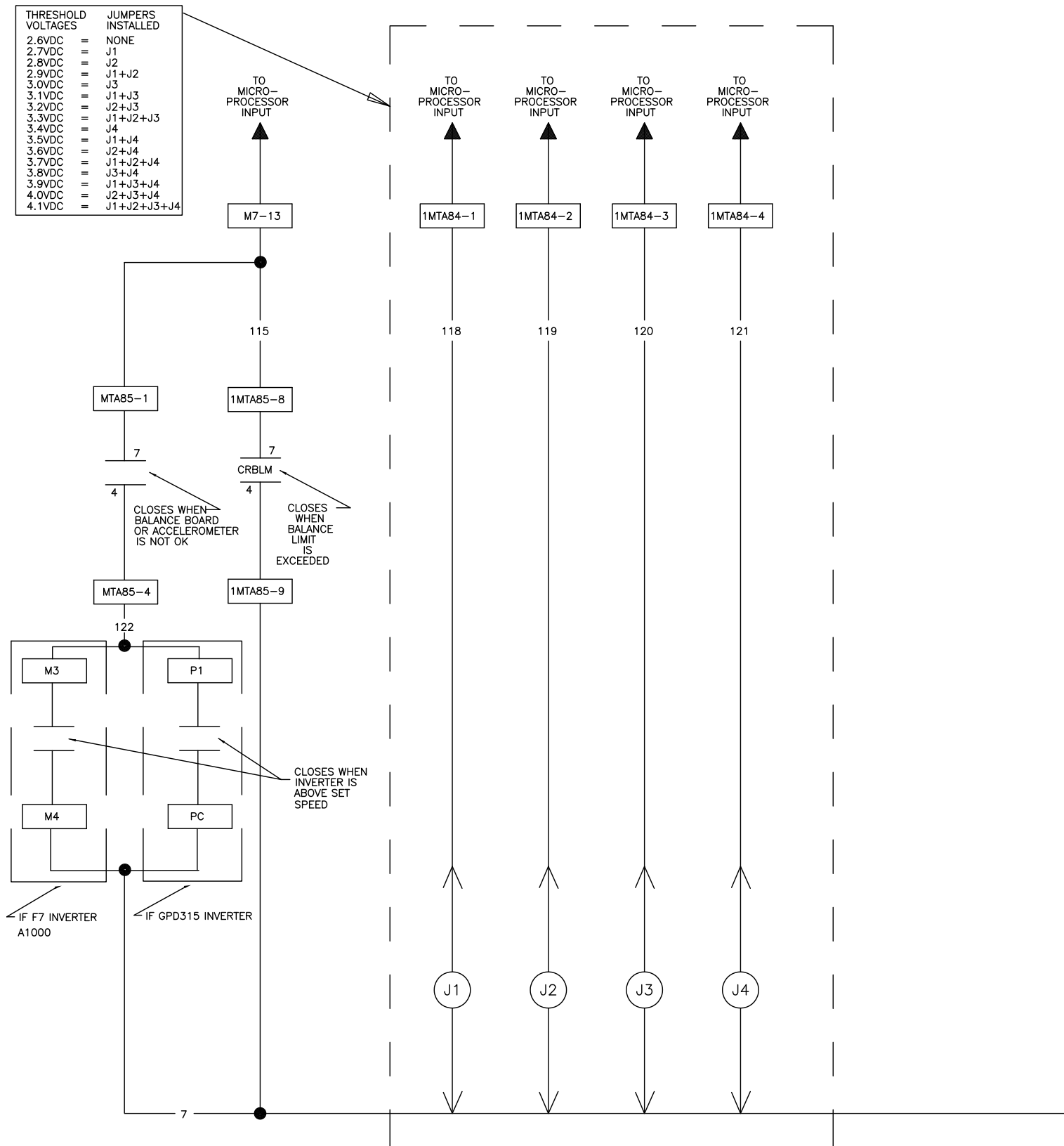
SCHEMATIC: OPTIONAL 12 CHEMICAL FLUSHING

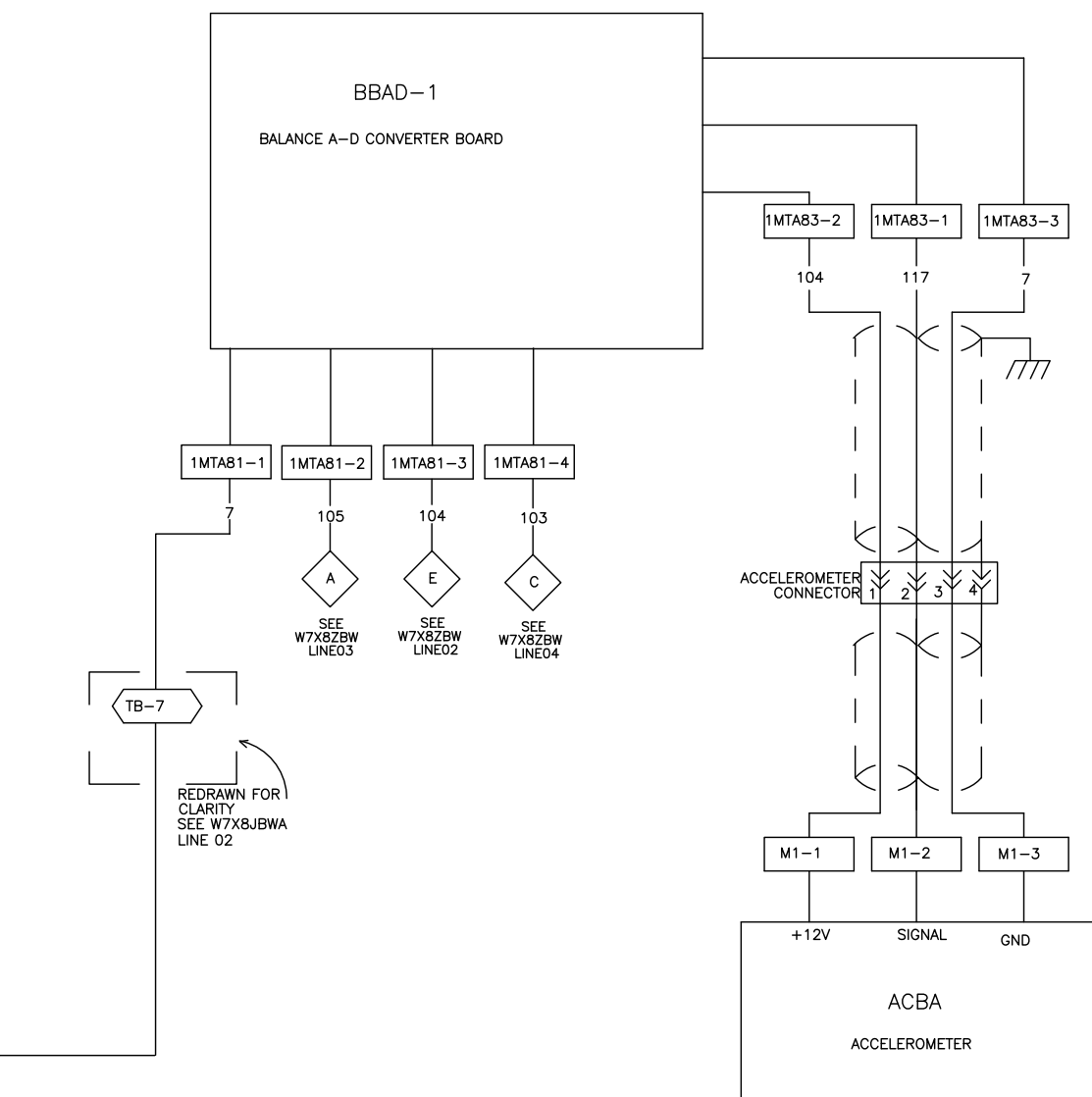
PELLERIN MILNOR CORPORATION

W7X8ZCM
2013133B

SPEED LIMIT THRESHOLD
INPUTS ARE TO LIMIT
SPEED IN EXTRACT WHEN
THE MACHINE IS OUT OF BALANCE.
JUMPERS ARE ADDED AT THE
FACTORY TO ADJUST FOR VARIATIONS
IN ACCELEROMETERS.

THRESHOLD VOLTAGES	JUMPERS INSTALLED
2.6VDC	= NONE
2.7VDC	= J1
2.8VDC	= J2
2.9VDC	= J1+J2
3.0VDC	= J3
3.1VDC	= J1+J3
3.2VDC	= J2+J3
3.3VDC	= J1+J2+J3
3.4VDC	= J4
3.5VDC	= J1+J4
3.6VDC	= J2+J4
3.7VDC	= J1+J2+J4
3.8VDC	= J3+J4
3.9VDC	= J1+J3+J4
4.0VDC	= J2+J3+J4
4.1VDC	= J1+J2+J3+J4





W7X8ZEC

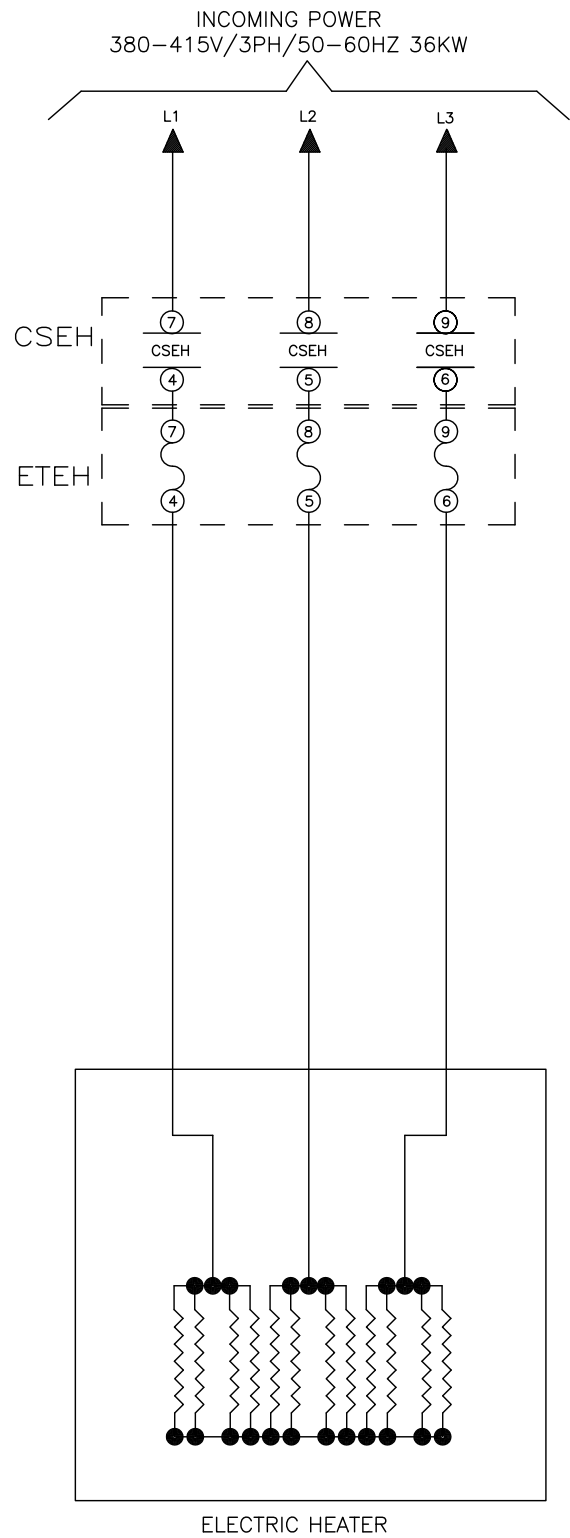
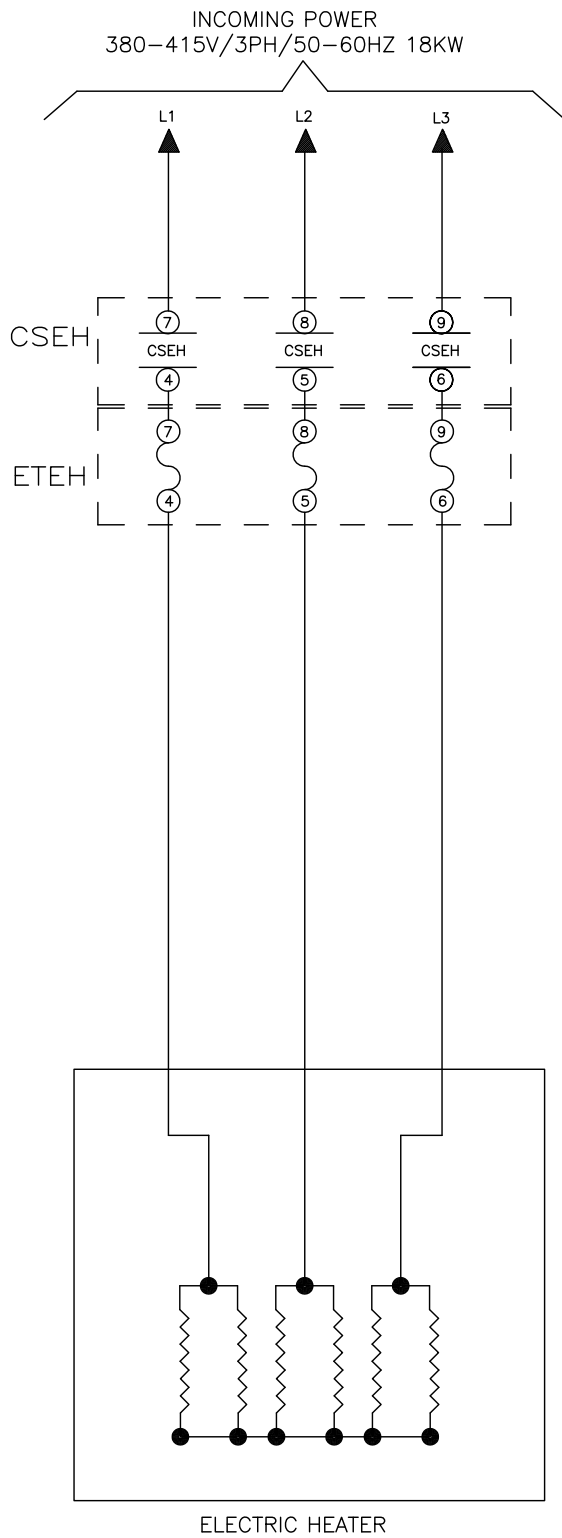
MILTOUCH CONTROLS

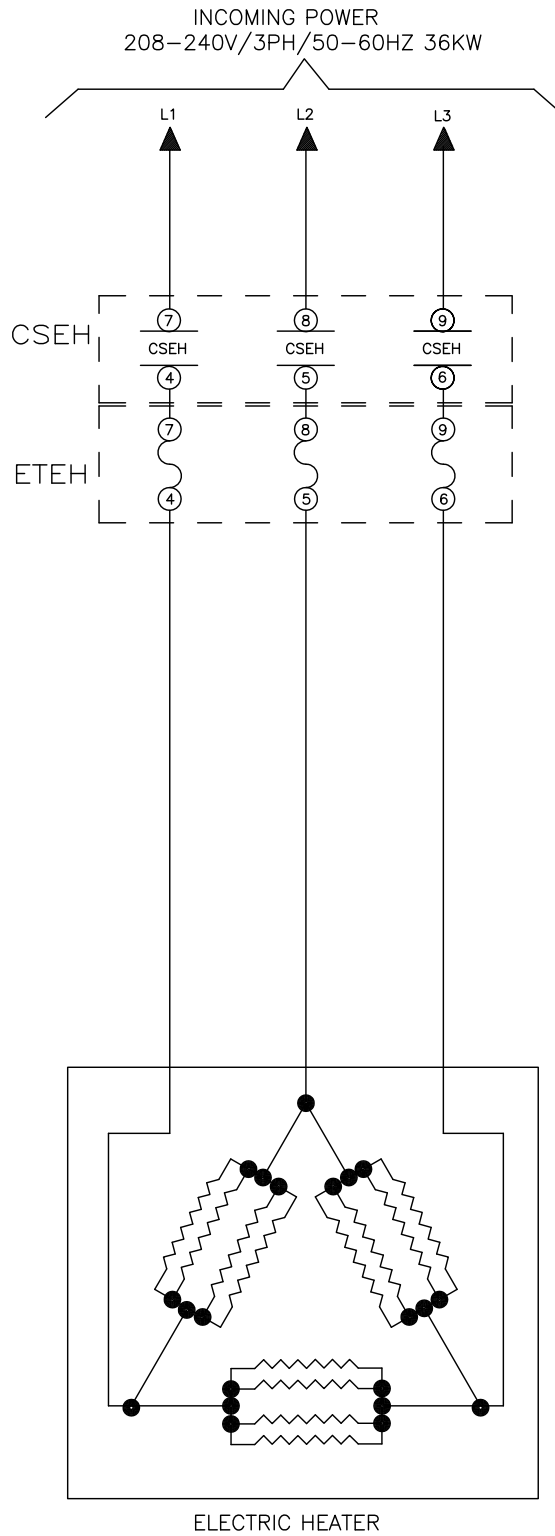
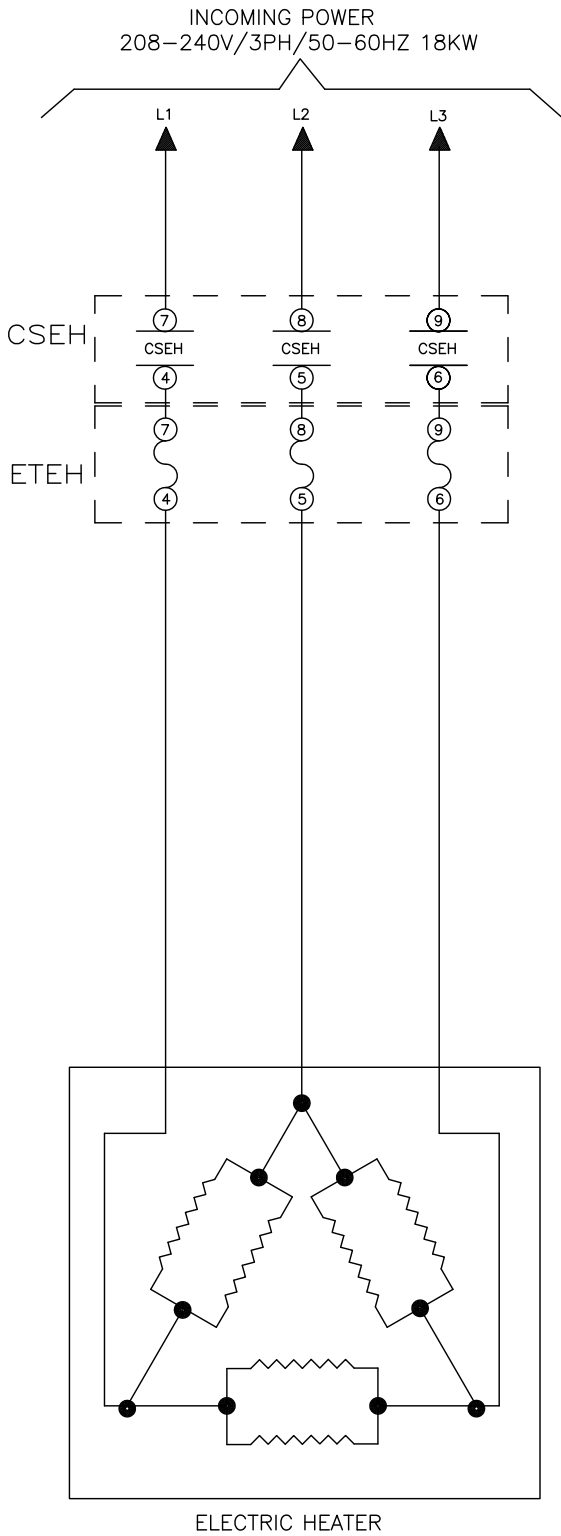
SCHEMATIC: OPTIONAL ELECTRONIC BALANCE

PELLERIN MILNOR CORPORATION

W7X8ZEC
2023014B

W7X8ZEC
2023014B

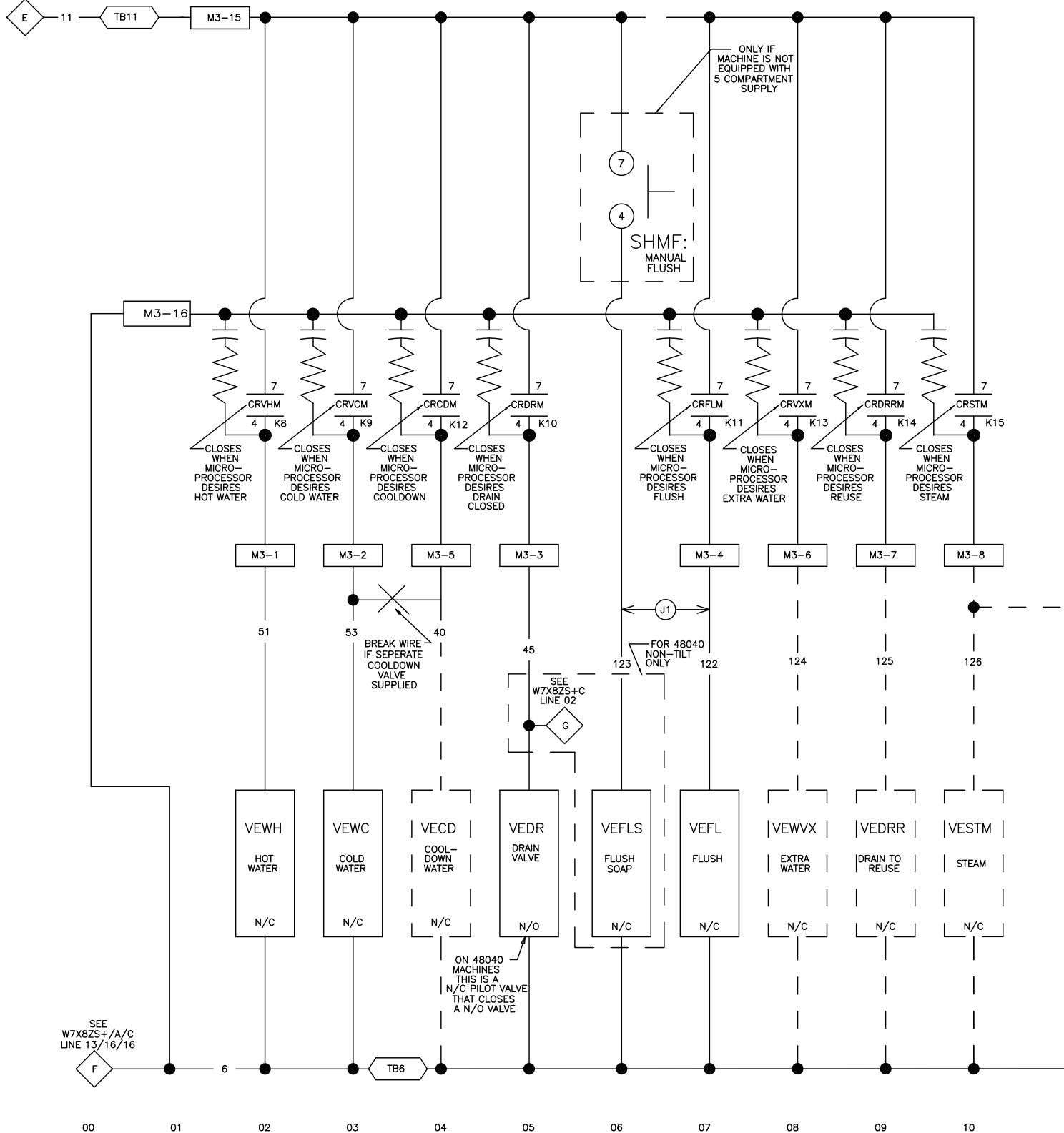


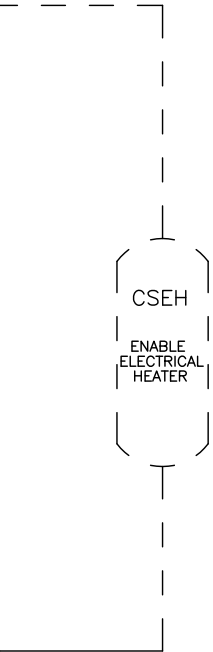


W7X8ZEH
MILTOUCH CONTROLS
SCHEMATIC: ELECTRIC HEAT
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION

W7X8ZEH
2013133B

SEE
W7X8ZS+/A/C
LINE 13/12/11





W7X8ZEV

MILTOUCH CONTROLLER

SCHEMATIC: ELECTRIC VALVES

220V1P50HZ/240V1P60HZ

PELLERIN MILNOR CORPORATION

NOTES:

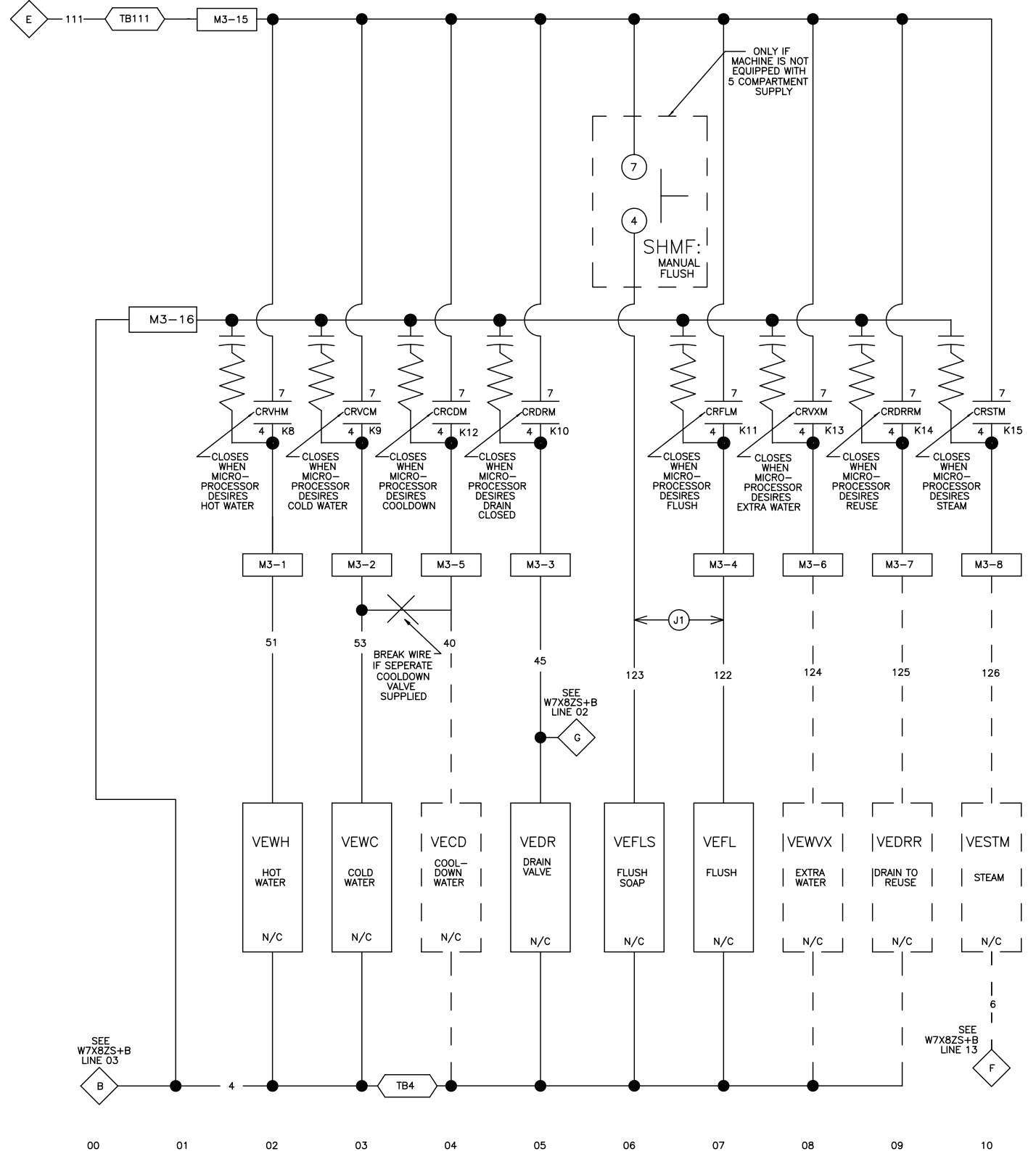
1. M3 IS LOCATED ON BIO INPUT/OUTPUT BOARD

REMOVE (J1) FOR 48F7J

W7X8ZEV
2013133B

W7X8ZEV
2013133B

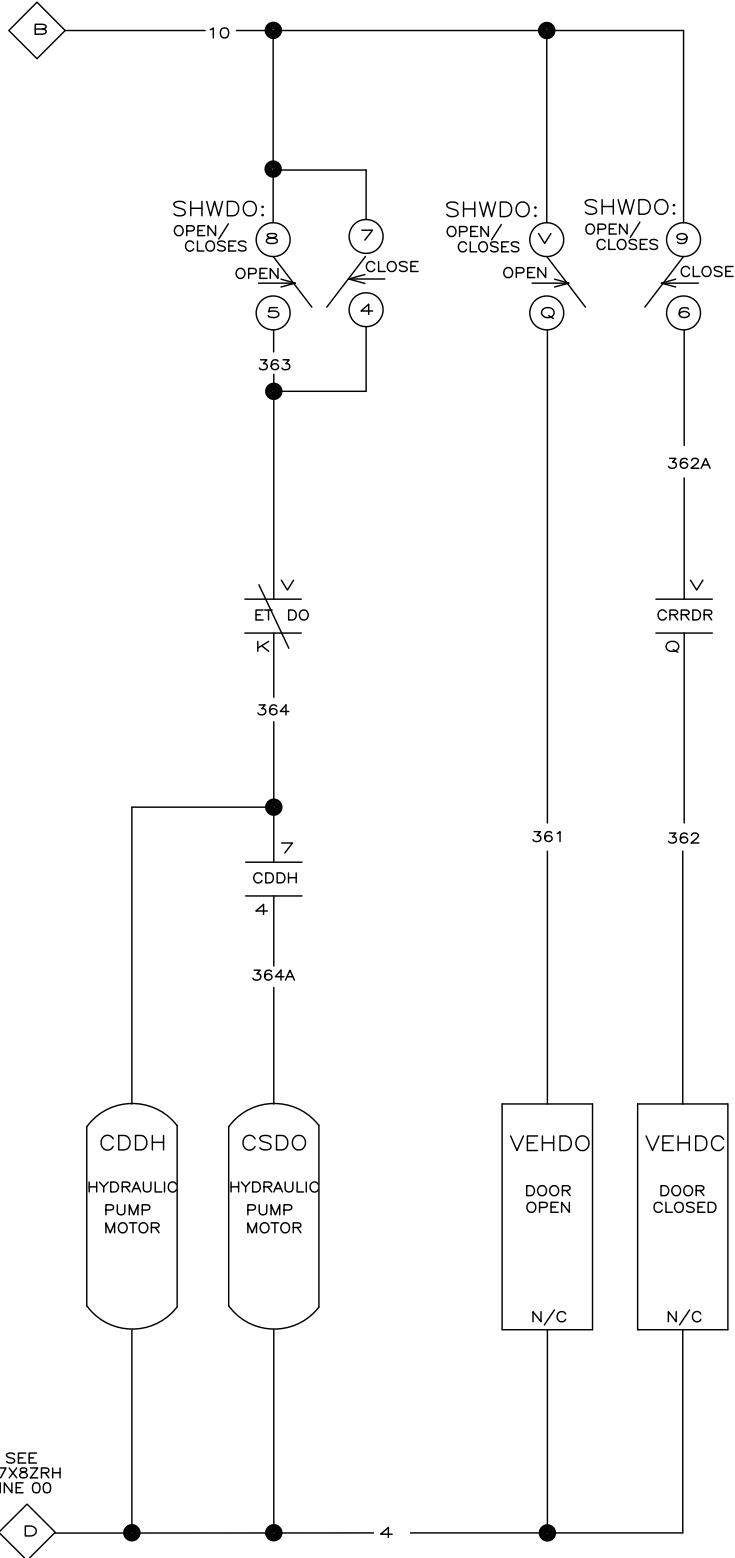
SEE
W7X8ZS+B
LINE 10



W7X8ZEVA
MILTOUCH CONTROLS
SCHEMATIC: ELECTRIC VALVES
FOR 4840 TILTING ONLY
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION

NOTES:
1. M3 IS LOCATED ON THE
BAUP (188 PROCESSOR BOARD).

SEE
W7X8ZRH
LINE 04



SEE
W7X8ZRH
LINE 00

00

01

02

03

04

05

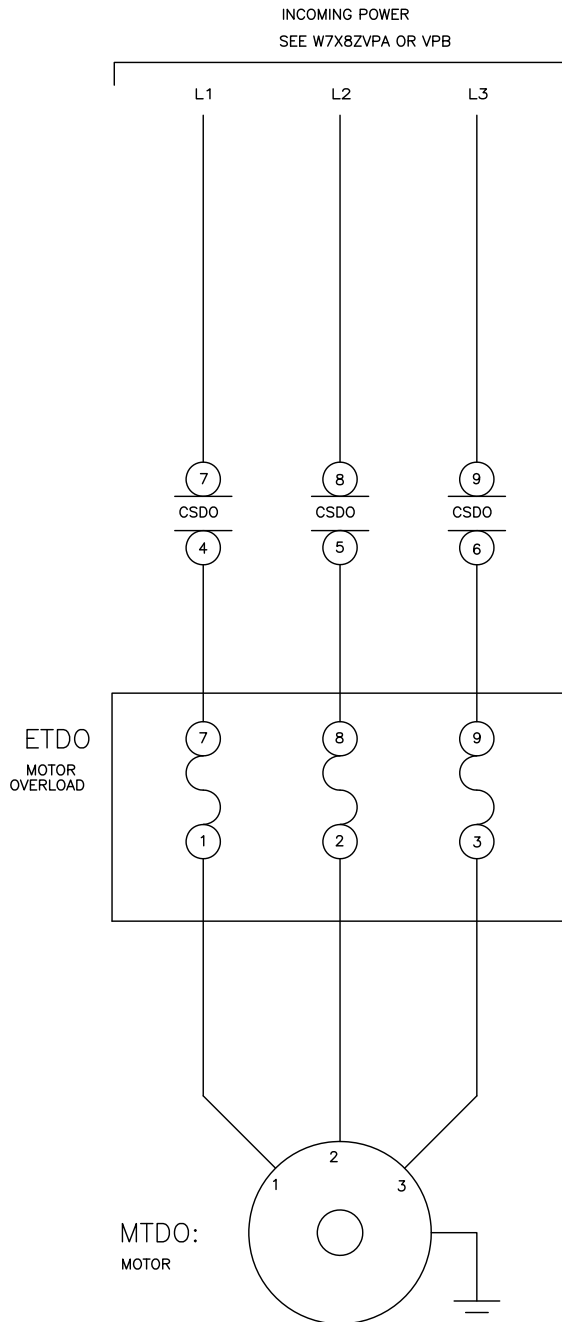
06

07

08

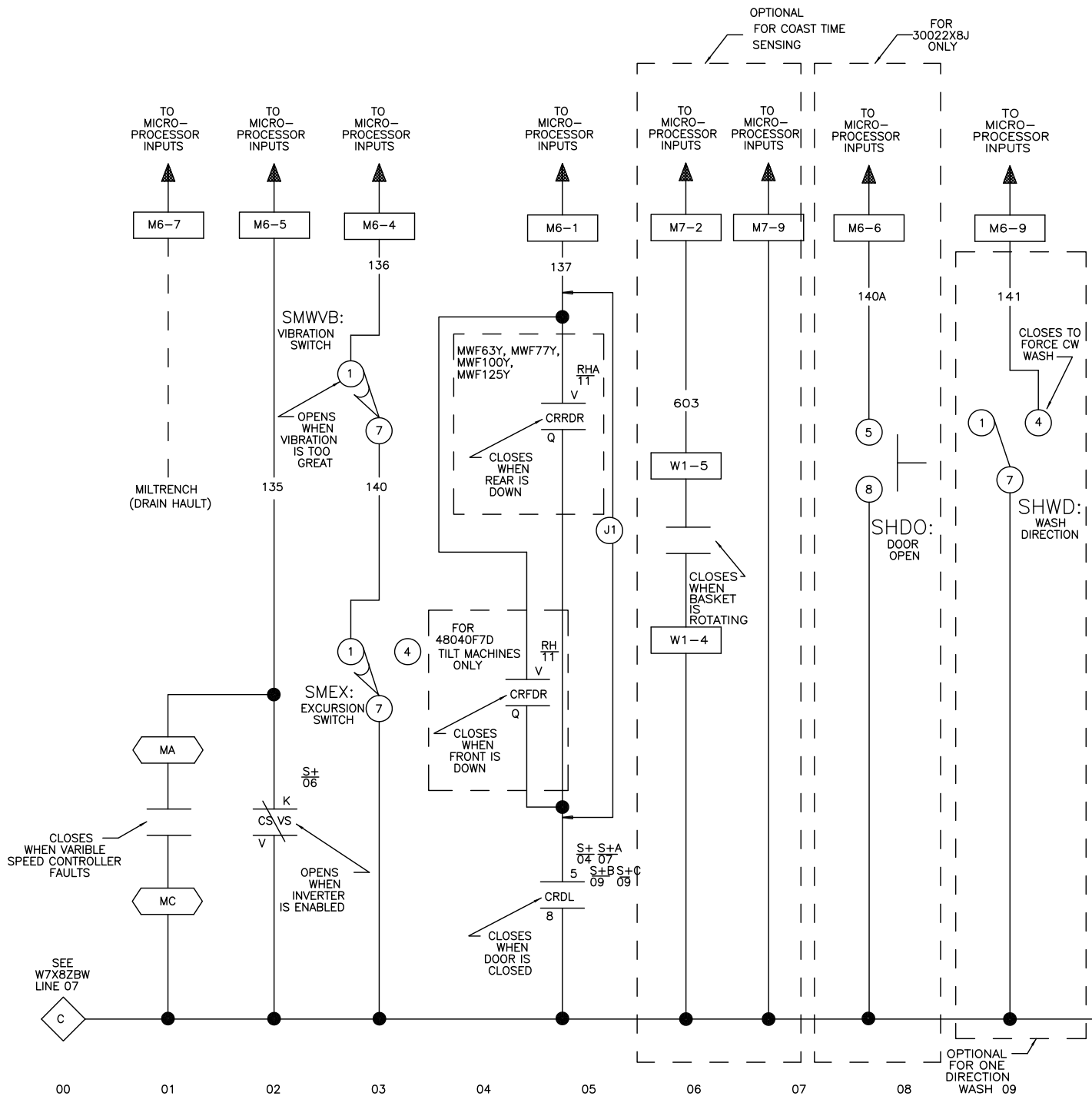
09

W7X8ZHD
2019034B



W7X8ZH

MILTOUCH CONTROLS
SCHEMATIC; HYDRAULIC DOOR
FOR 48040 TILTING
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION

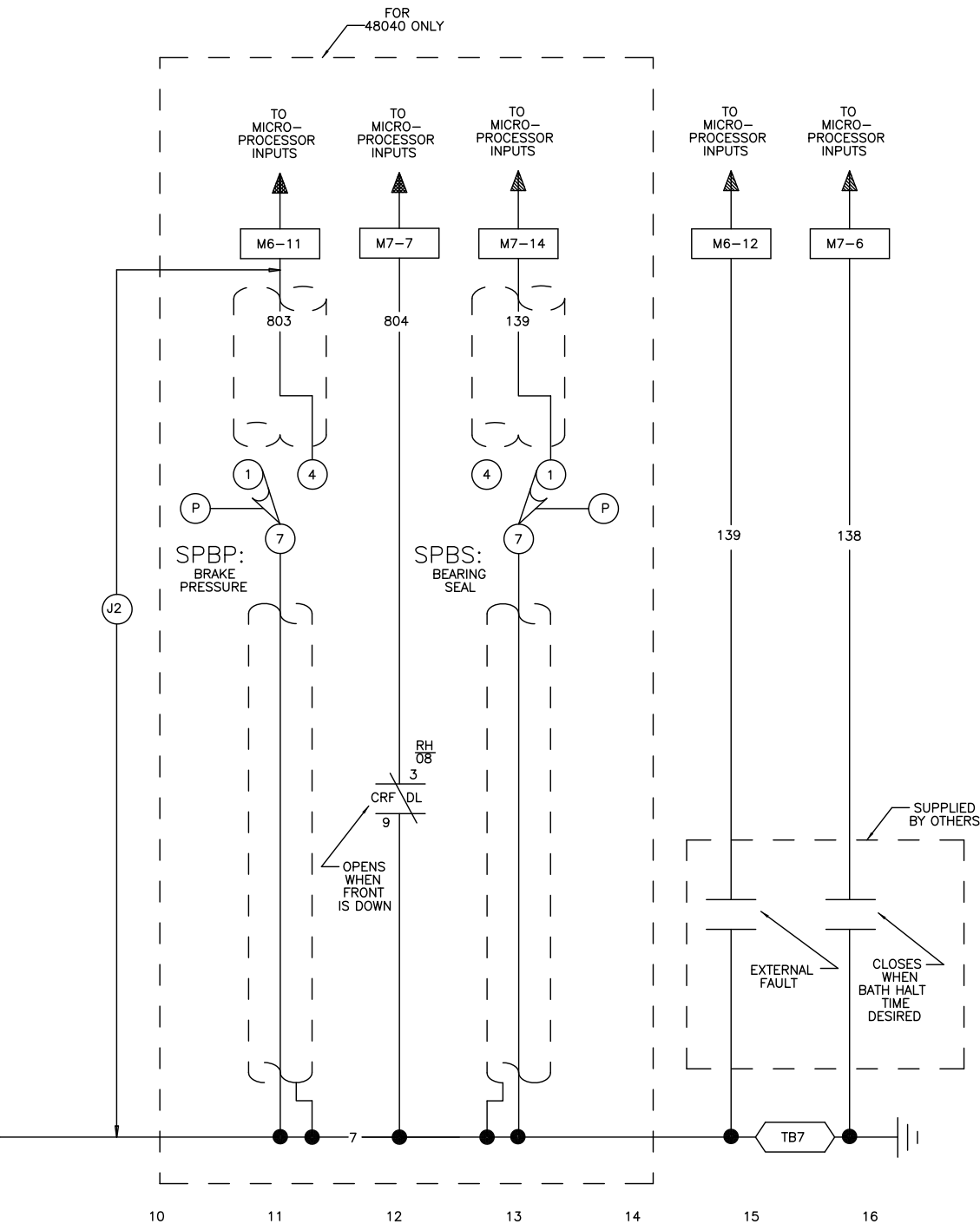


W7X8Z1A

MILTOUCH CONTROLS

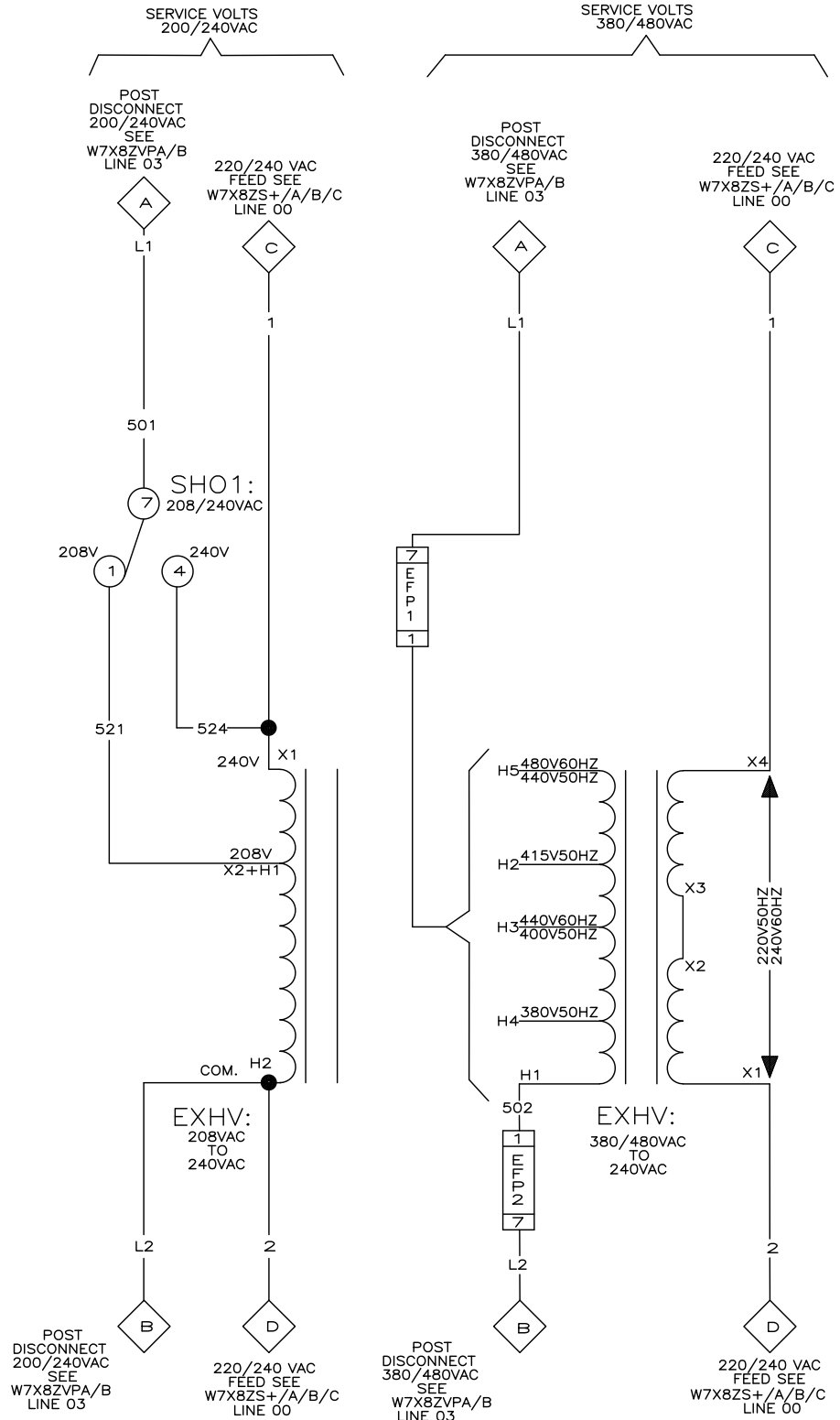
SCHEMATIC: MICROPROCESSOR INPUTS

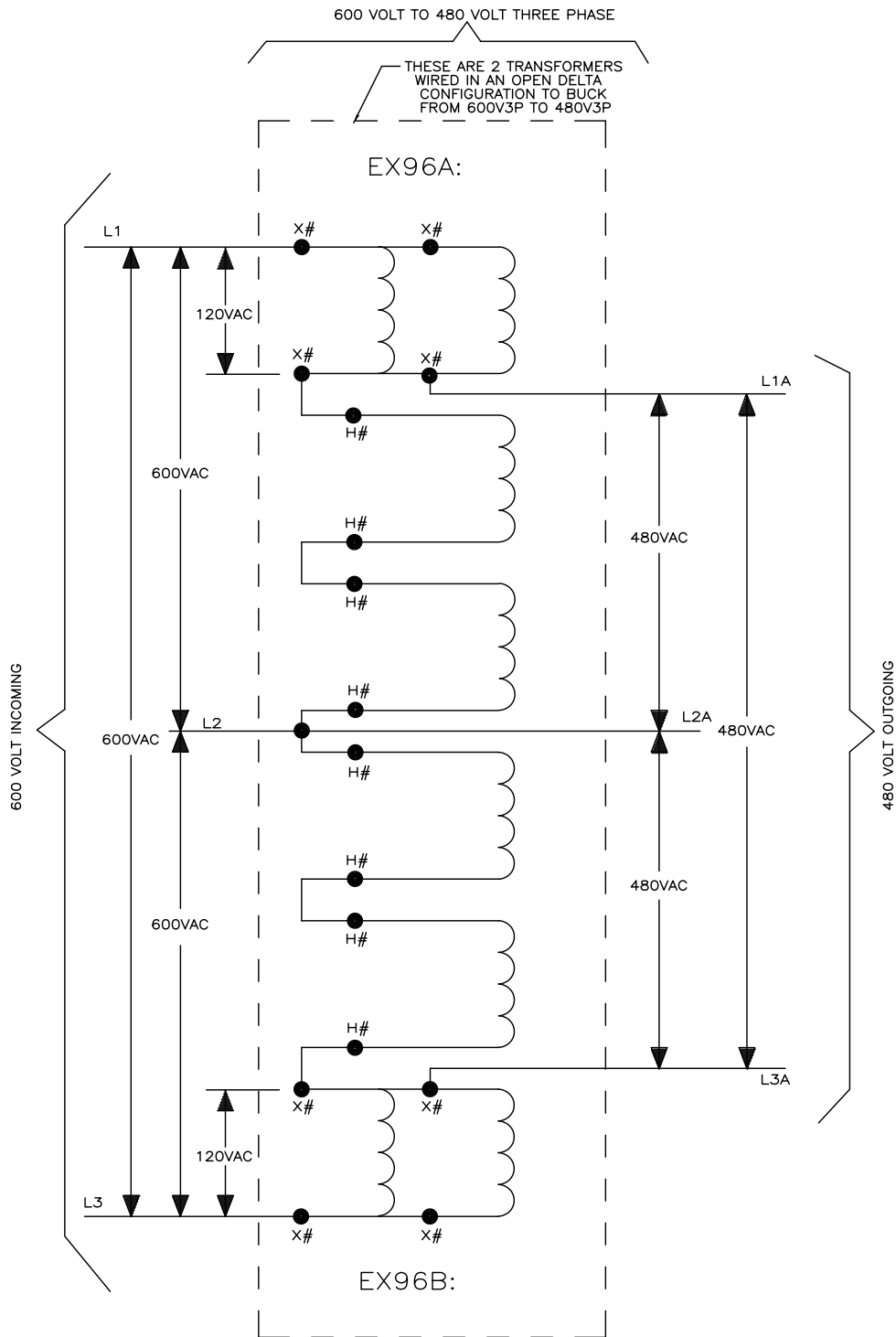
PELLERIN MILNOR CORPORATION



NOTES

1. M6 AND M7 IS LOCATED ON BIO INPUT/OUTPUT BOARD
2. REMOVE (J1) FOR TILT MACHINE
3. REMOVE (J2) FOR ALL 48" MACHINES
4. FOR 48040F7Z OR B THE BEARING LOW PRESSURE INPUT SHARES THE EXTERNAL FAULT INPUT (M6-12). WHEN LOW BEARING PRESSURE OCCURES "EXTERNAL FAULT" WILL BE DISPLAYED.





W7X8ZLV SCHEMATIC: CONTROL CIRCUIT TRANSFORMER 220V1P50HZ/240V1P60HZ

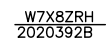
PELLERIN MILNOR CORPORATION

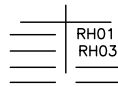
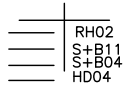
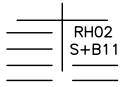
W7X8ZLV
2021073B

REFER TO TRANSFORMER WIRING DIAGRAM FOR APPROPRIATE WIRE NUMBERS.

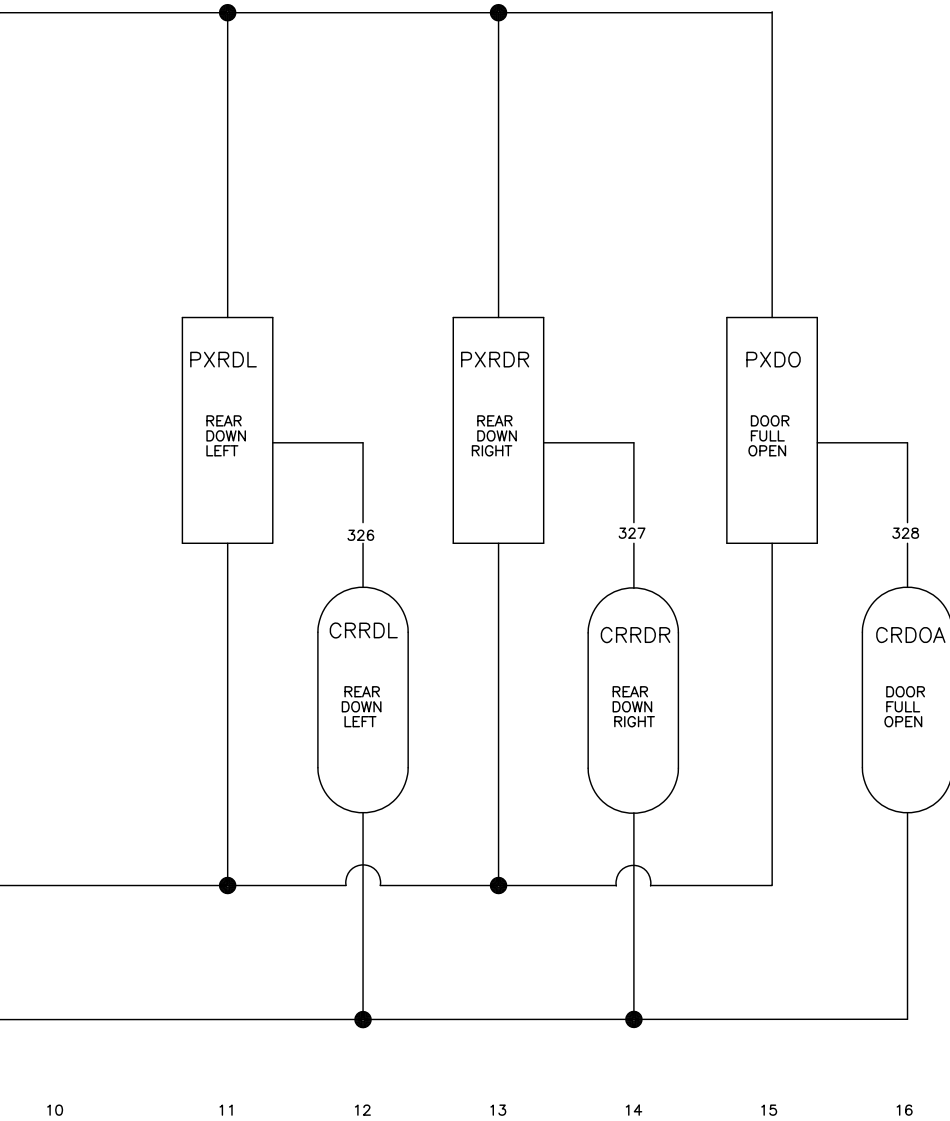
THE PRIMARY OF EACH TRANSFORMER NOTED BY H# MUST BE WIRED FOR 480 VOLTS. THE SECONDARY OF EACH TRANSFORMER NOTED BY X# MUST BE WIRED FOR 120 VOLTS.

INPUT (SUPPLY SYSTEM)	DESIRED OUTPUT CONNECTION	
DELTA 3 WIRE	WYE 3 OR 4 WIRE	DO NOT USE
OPEN DELTA 3 WIRE	WYE 3 OR 4 WIRE	DO NOT USE
WYE 3 OR 4 WIRE	CLOSED DELTA 3 WIRE	DO NOT USE
WYE 4 WIRE	WYE 3 OR 4 WIRE	OK
WYE 3 OR 4 WIRE	OPEN DELTA 3 WIRE	OK
CLOSED DELTA 3 WIRE	OPEN DELTA 3 WIRE	OK





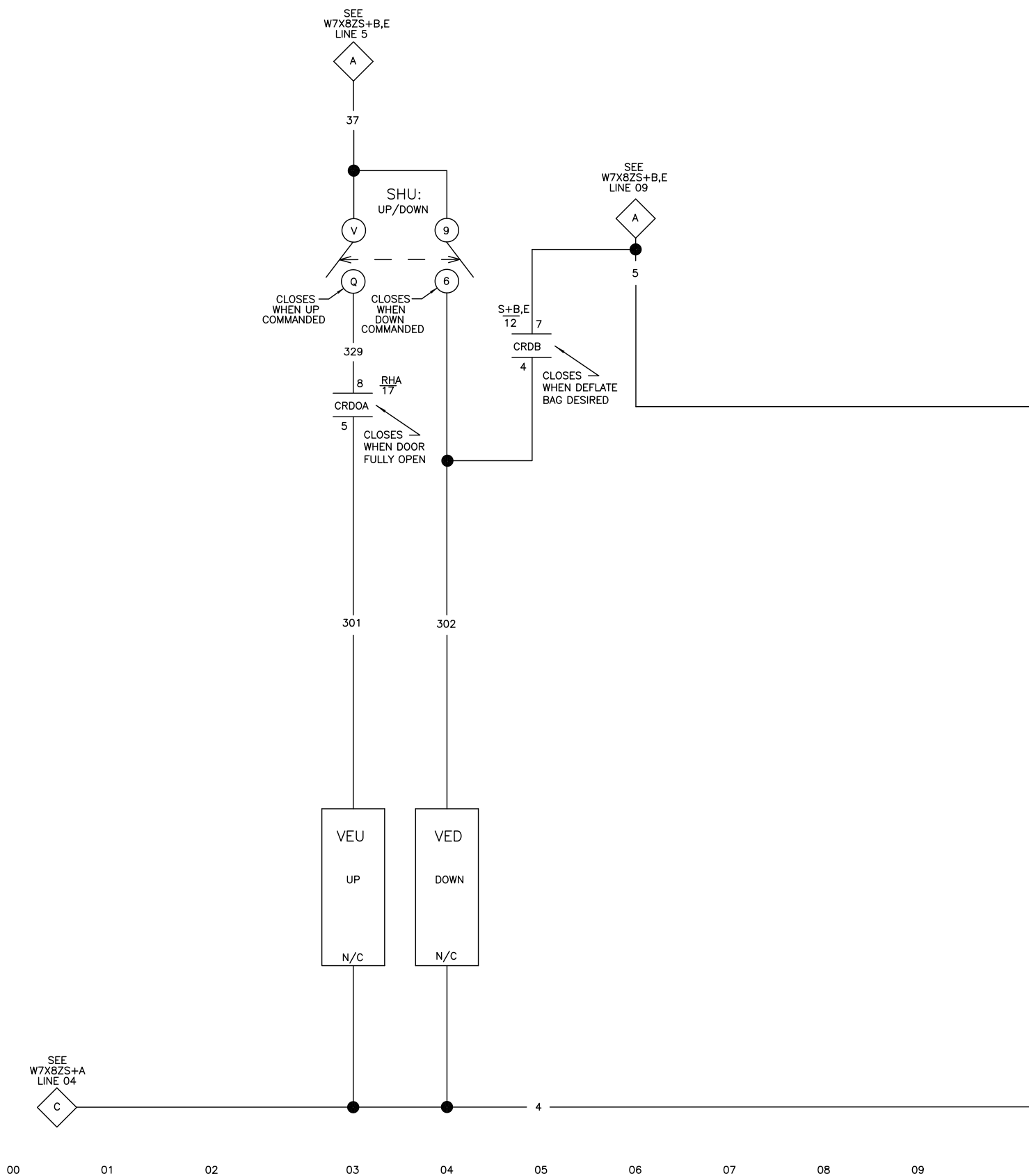
W7X8ZRH
2020392B

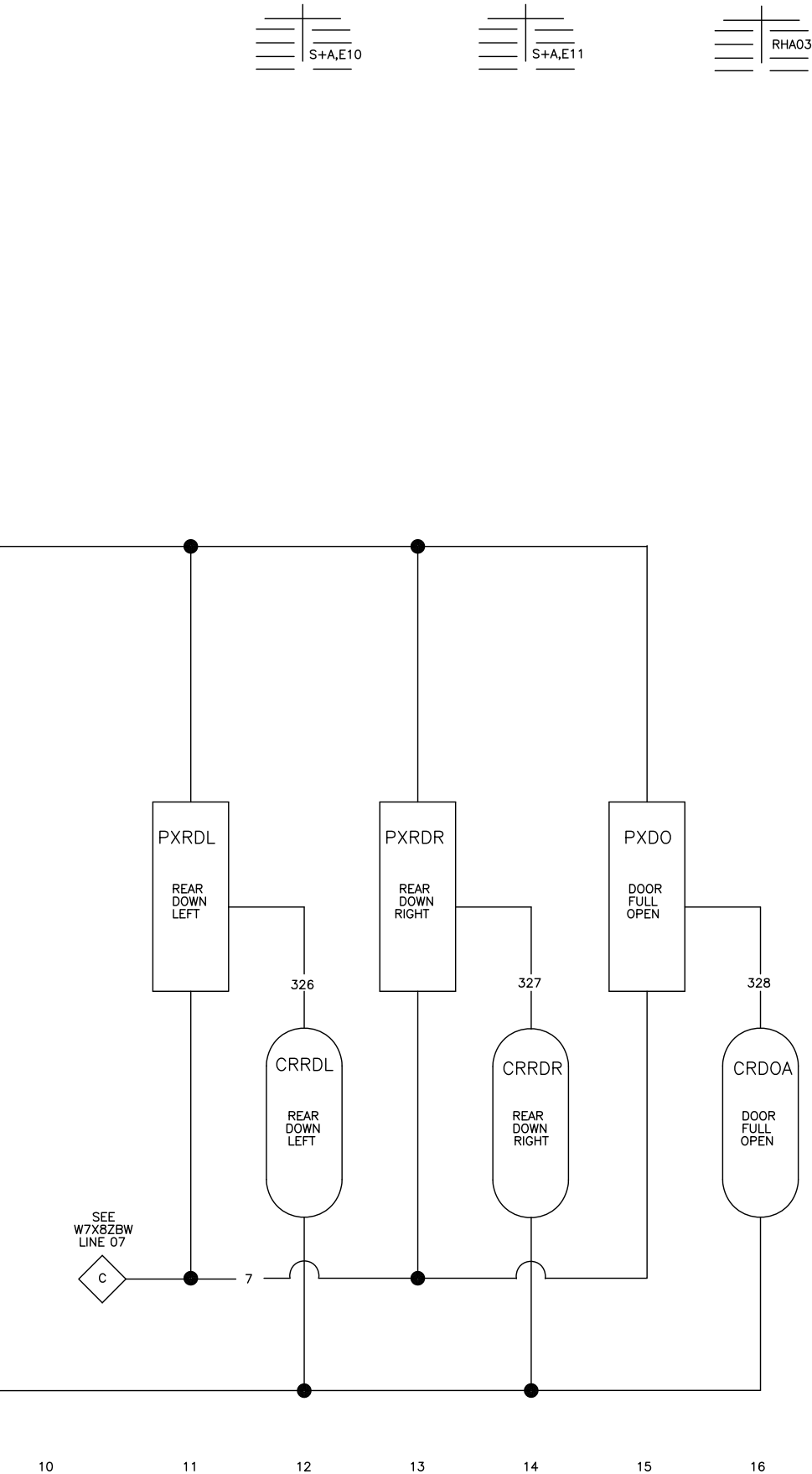


W7X8ZRH

MILTOUCH CONTROLS
SCHEMATIC; RAISE HOUSE
FOR 48040F7D AIR TILT ONLY
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION

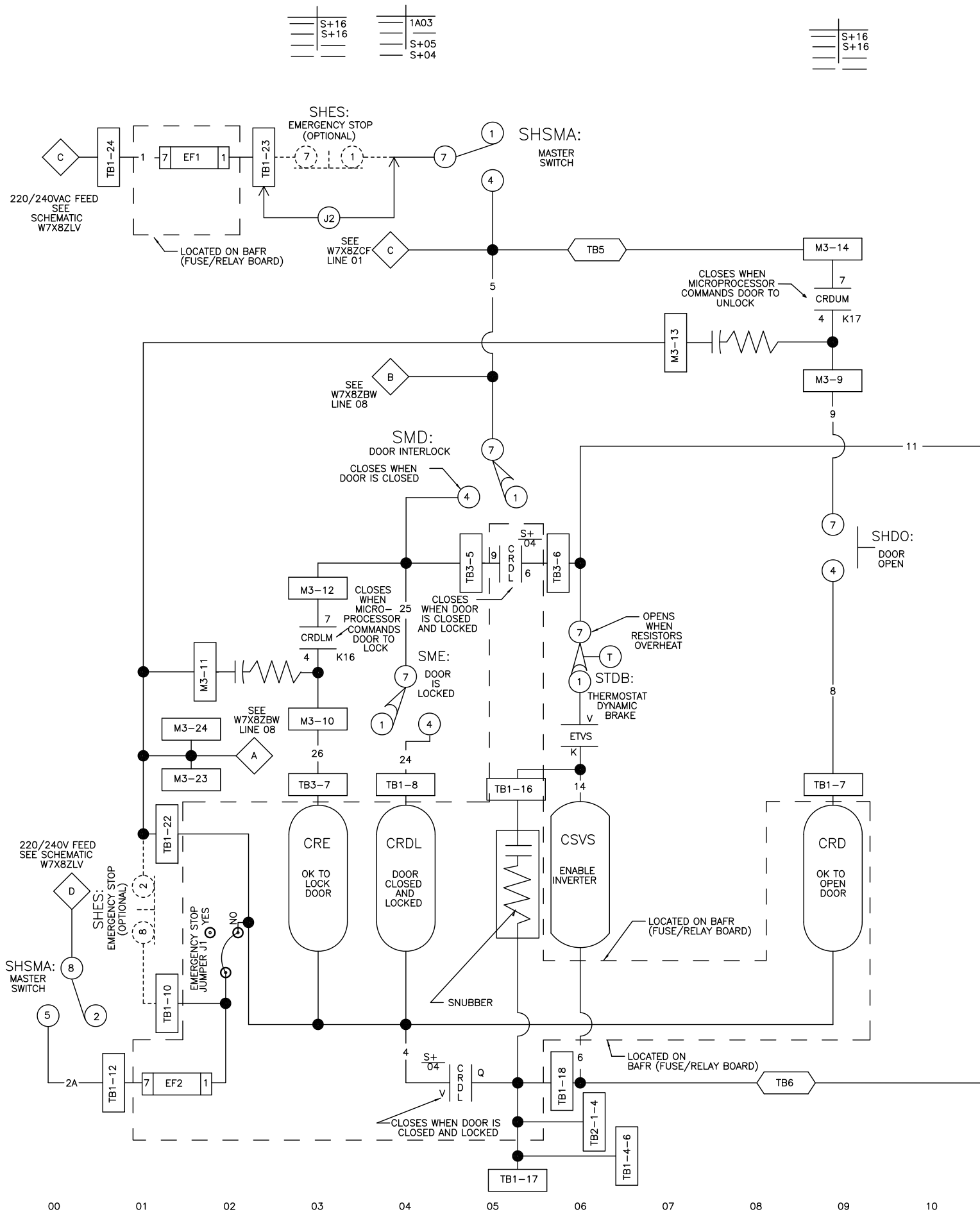
W7X8ZRH
2020392B





W7X8ZRHA

MILTOUCH CONTROLS
SCHEMATIC; RAISE HOUSE
FOR MWF63Y7, 77Y7, 100Y7 & 125Y7 AIR TILT ONLY
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION

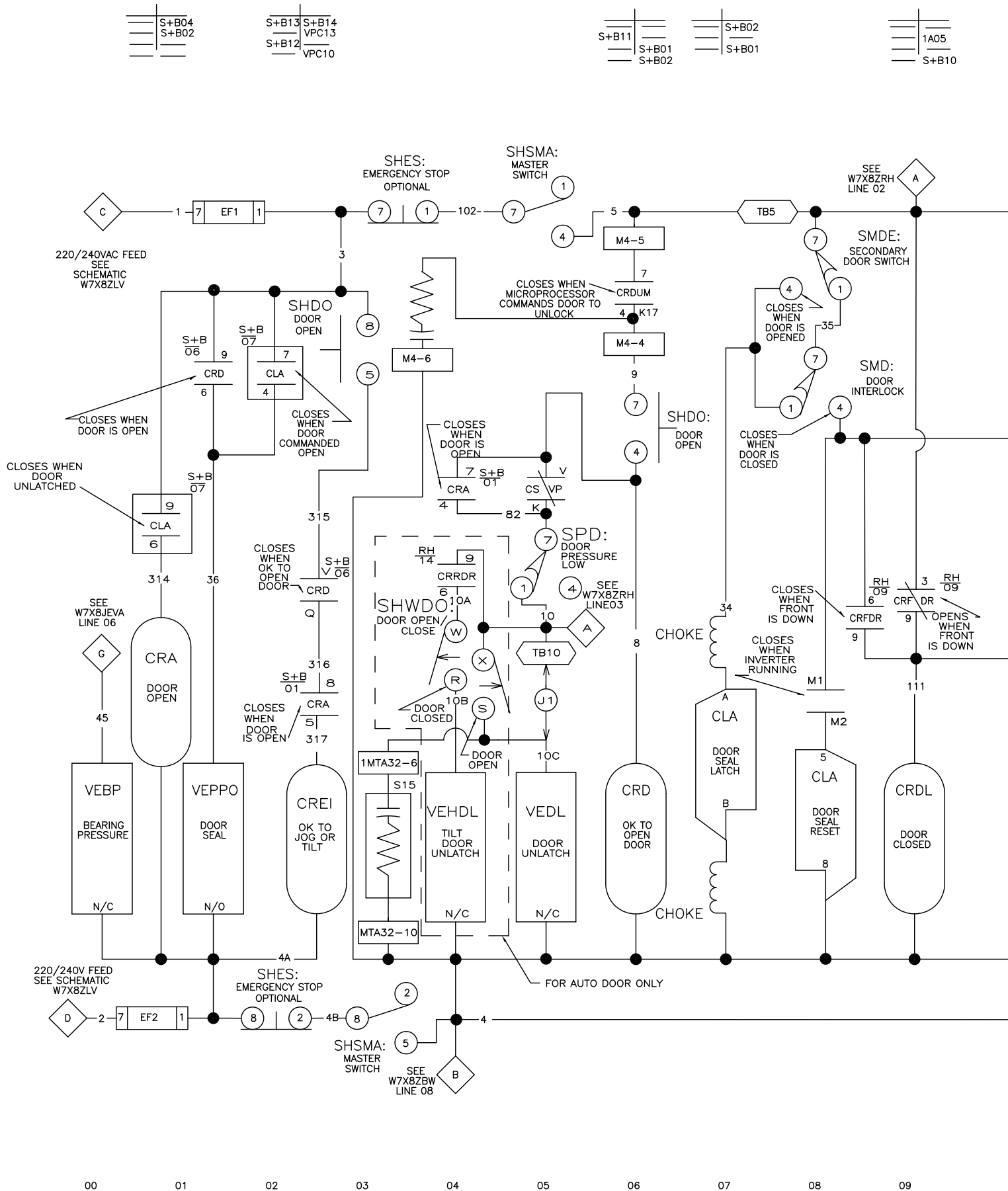




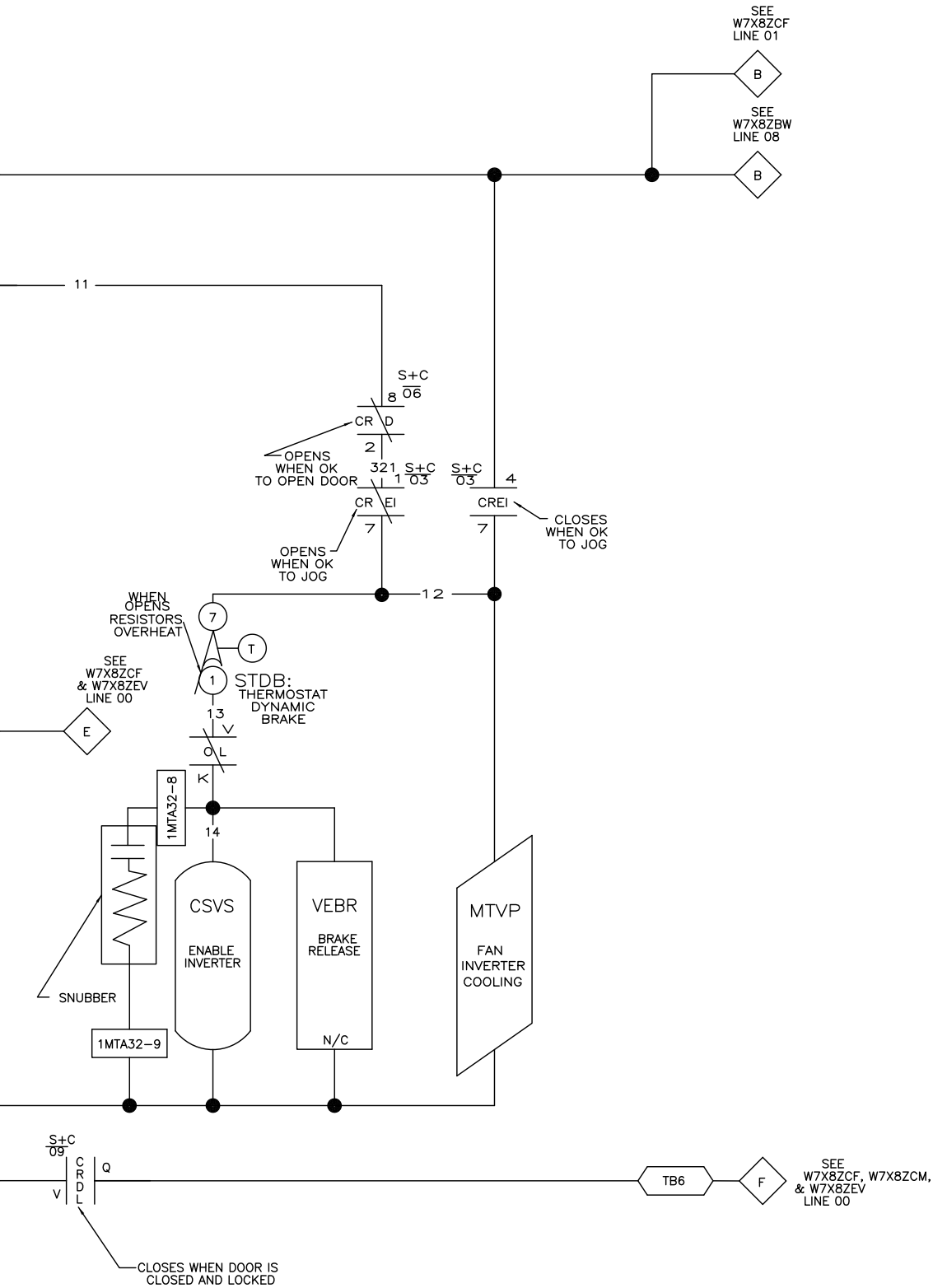
- 11 12 13 14 15 16





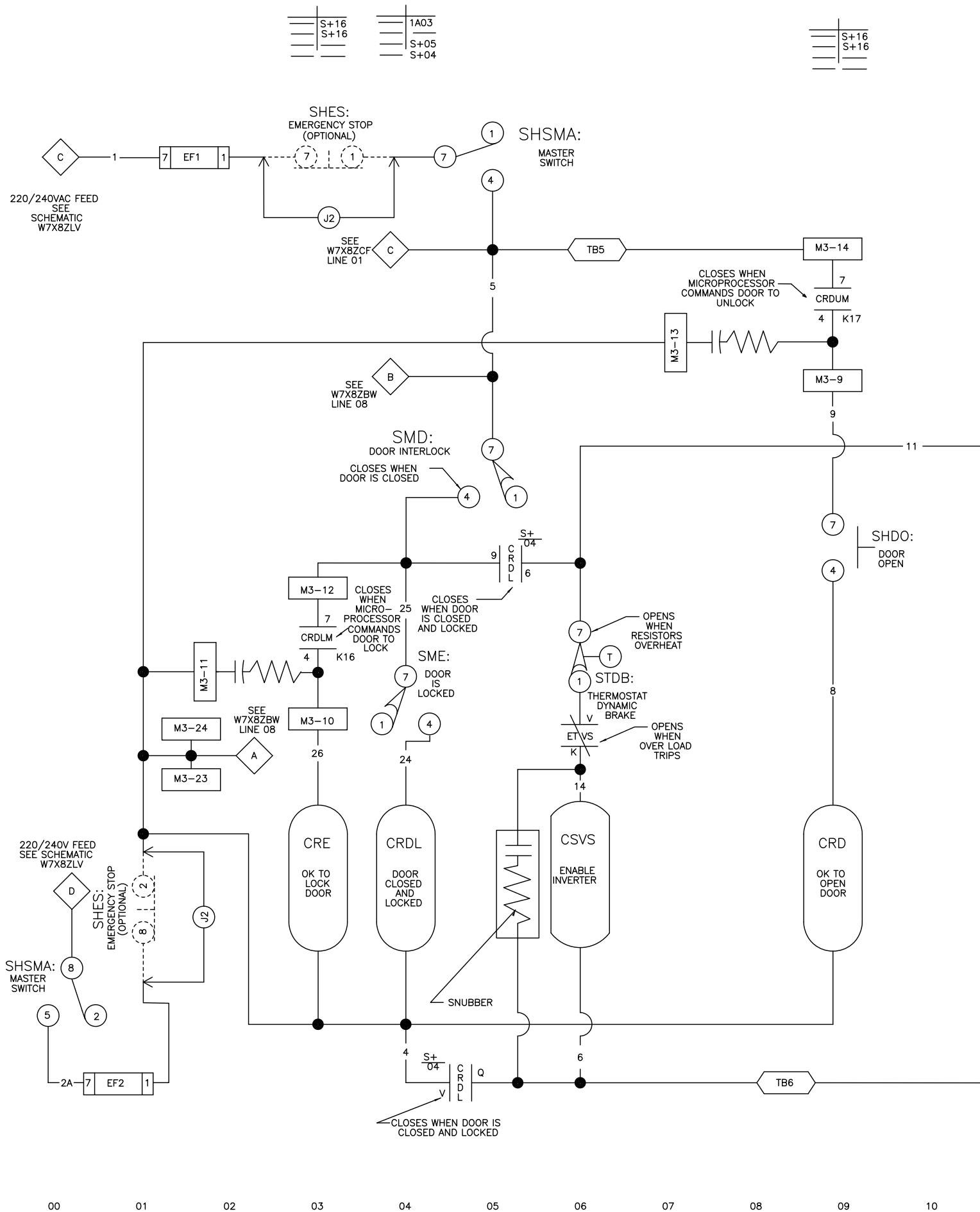


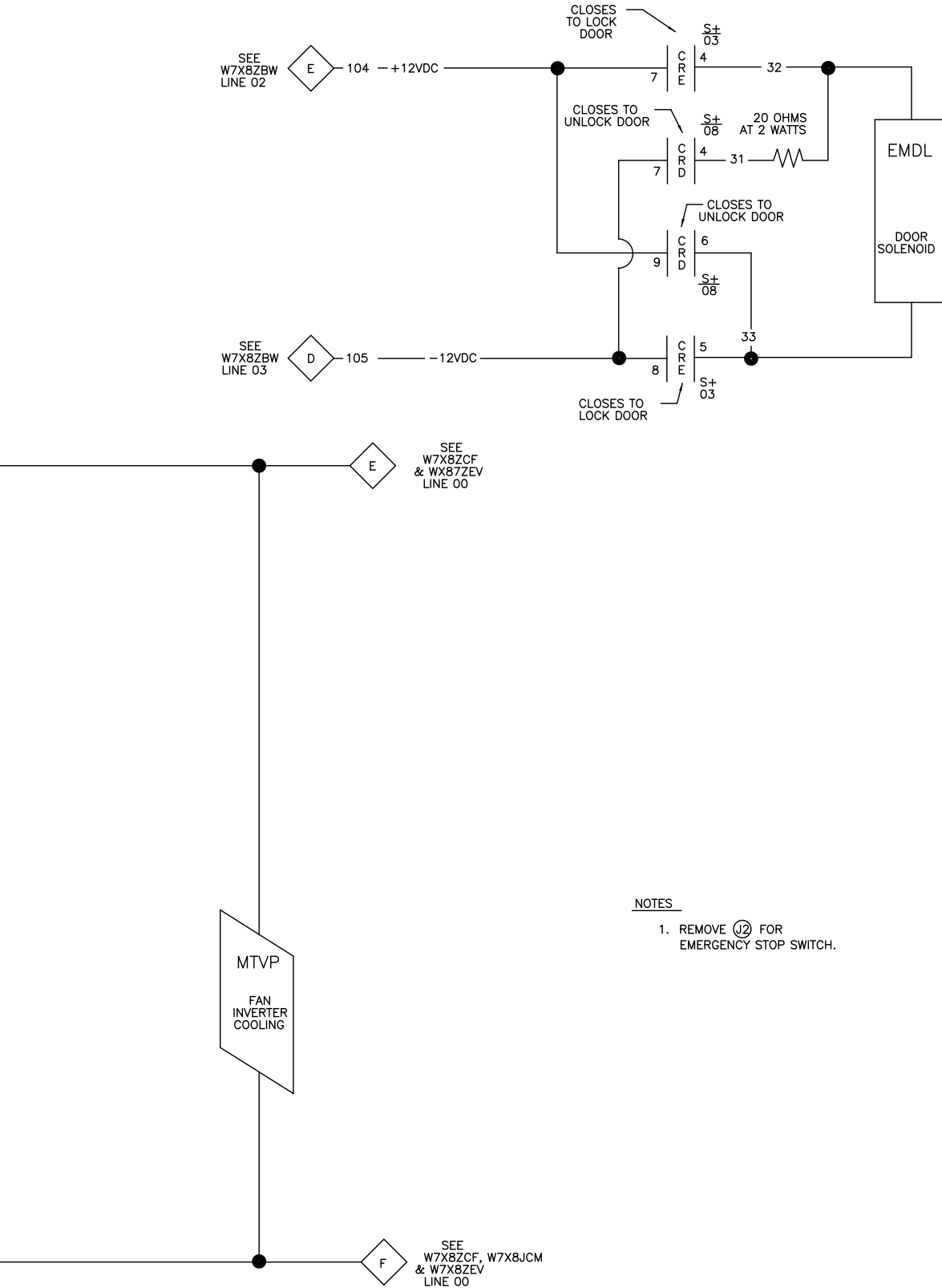




W7X8ZS+C

MILTOUCH CONTROLS
SCHEMATIC: START CIRCUIT & DOOR INTERLOCK
FOR 4840F7Z NON TILTING
220V, 1P, 50HZ/240V, 1P, 60HZ
PELLERIN MILNOR CORPORATION





W7X8ZS+D

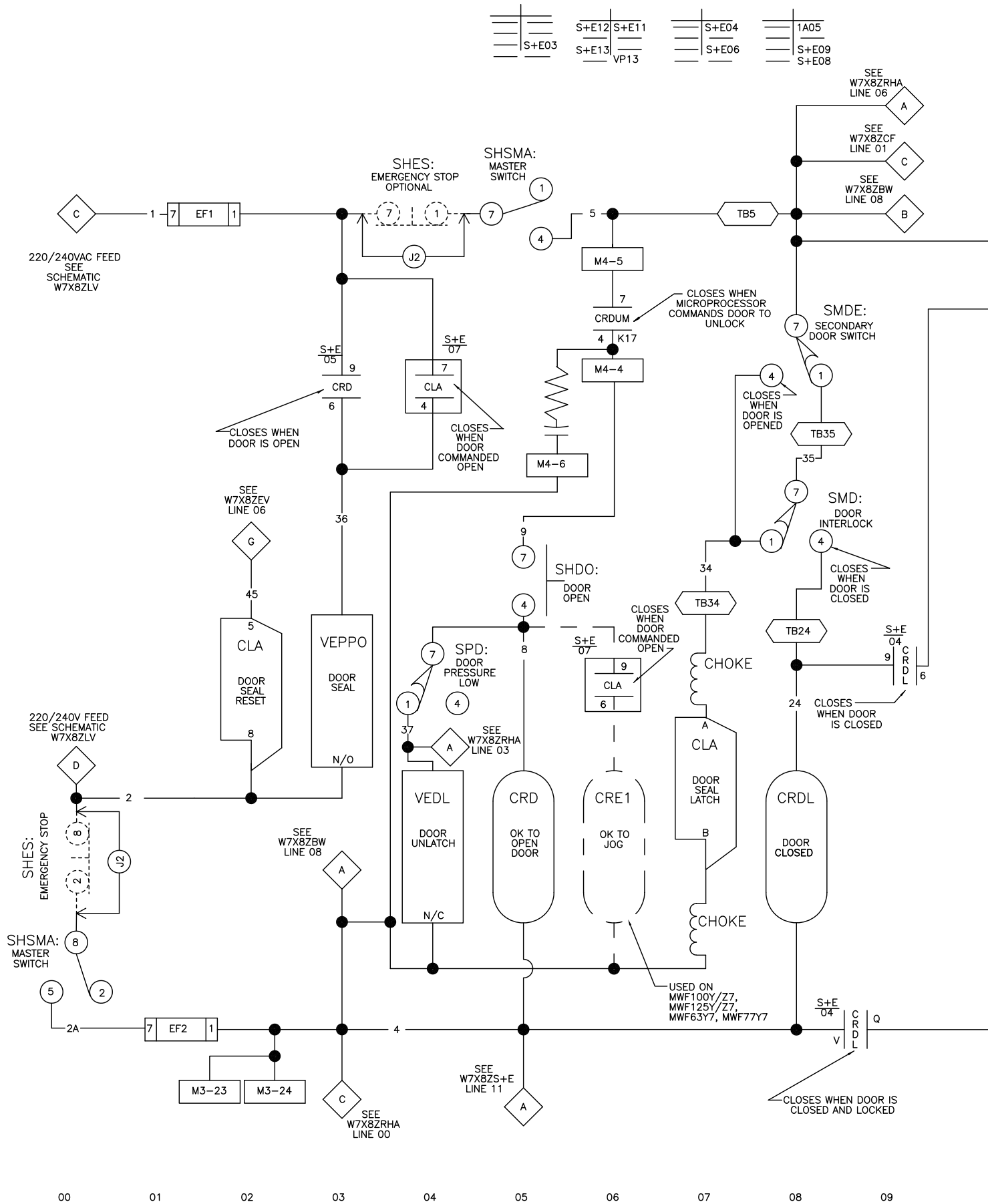
MILTOUCH CONTROLS

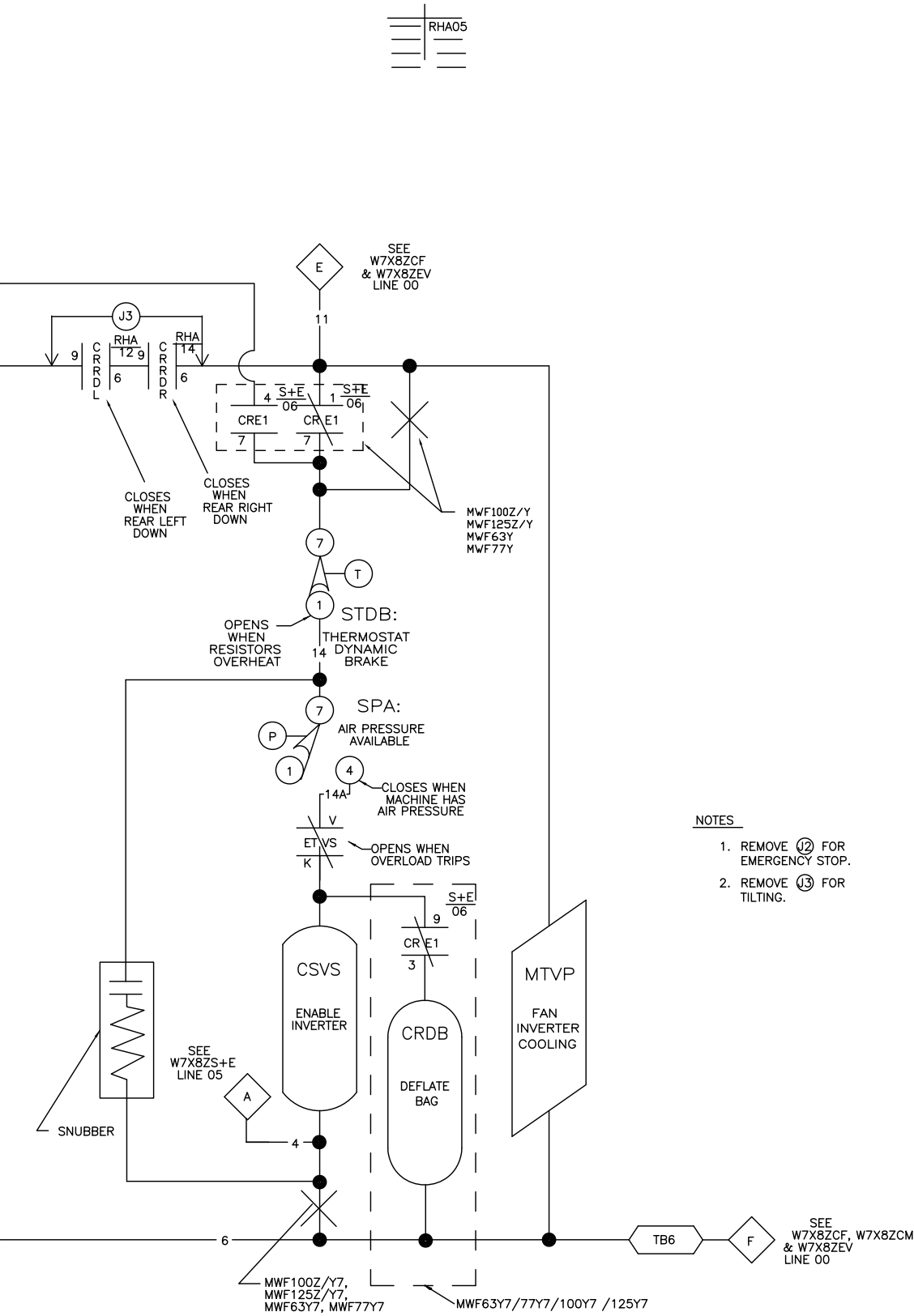
SCHEMATIC: START CIRCUIT & DOOR INTERLOCK

FOR MWF18/27Z8 NO FUSE BOARD

220V, 1P, 50HZ/240V, 1P, 60HZ

PELLERIN MILNOR CORPORATION





W7X8ZS+E

MILTOUCH CONTROLS

SCHEMATIC: START CIRCUIT & DOOR INTERLOCK

FOR MWF45Z8, MWF63Z/Y7, 77Z/Y7, 100Z/Y7, 125Z/Y7

NO FUSE BOARD

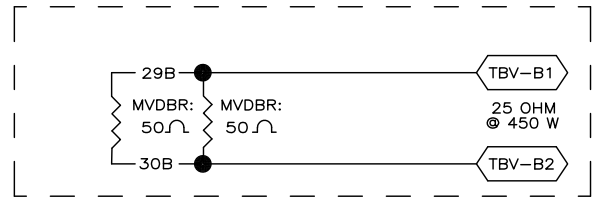
220V, 1P, 50HZ/240V, 1P, 60HZ

PELLERIN MILNOR CORPORATION

MWF27Z8 MACHINE- ALL



LOW VOLTAGE MWF45Z8



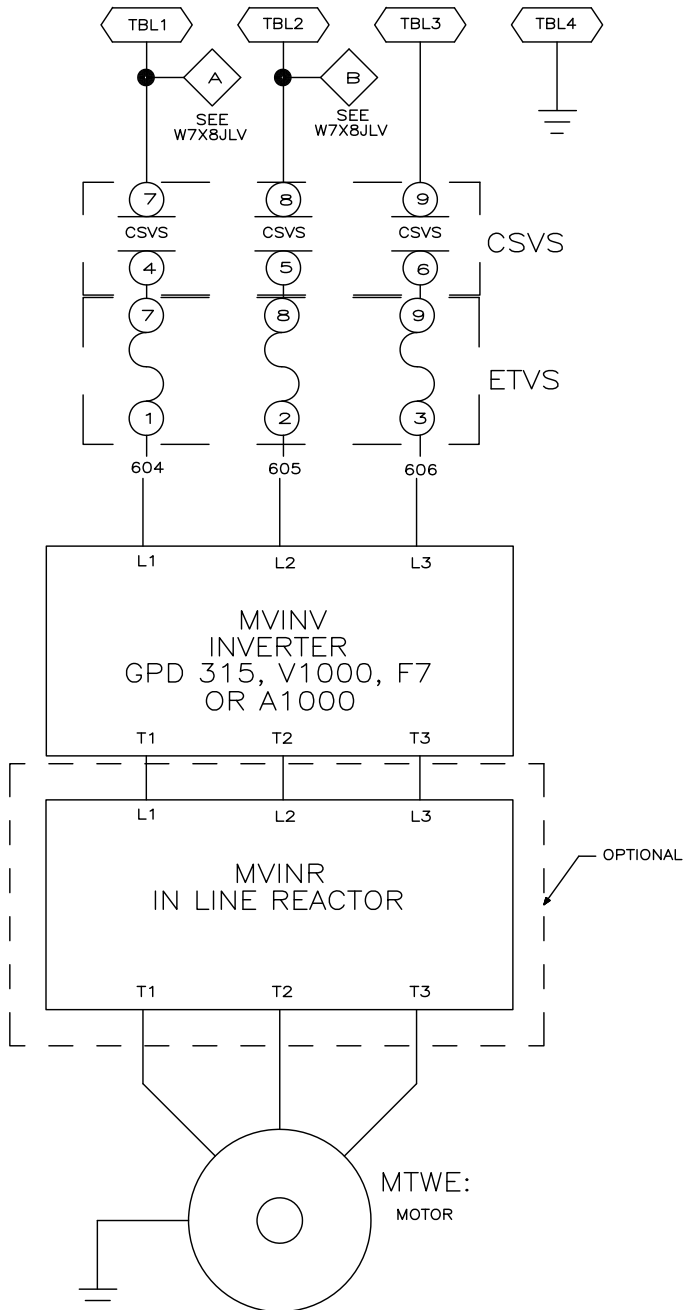
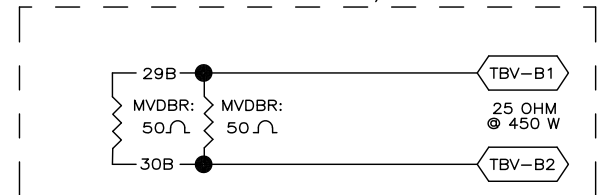
LOW VOLTAGE MWF63/77Z7 MWF63/77Y7



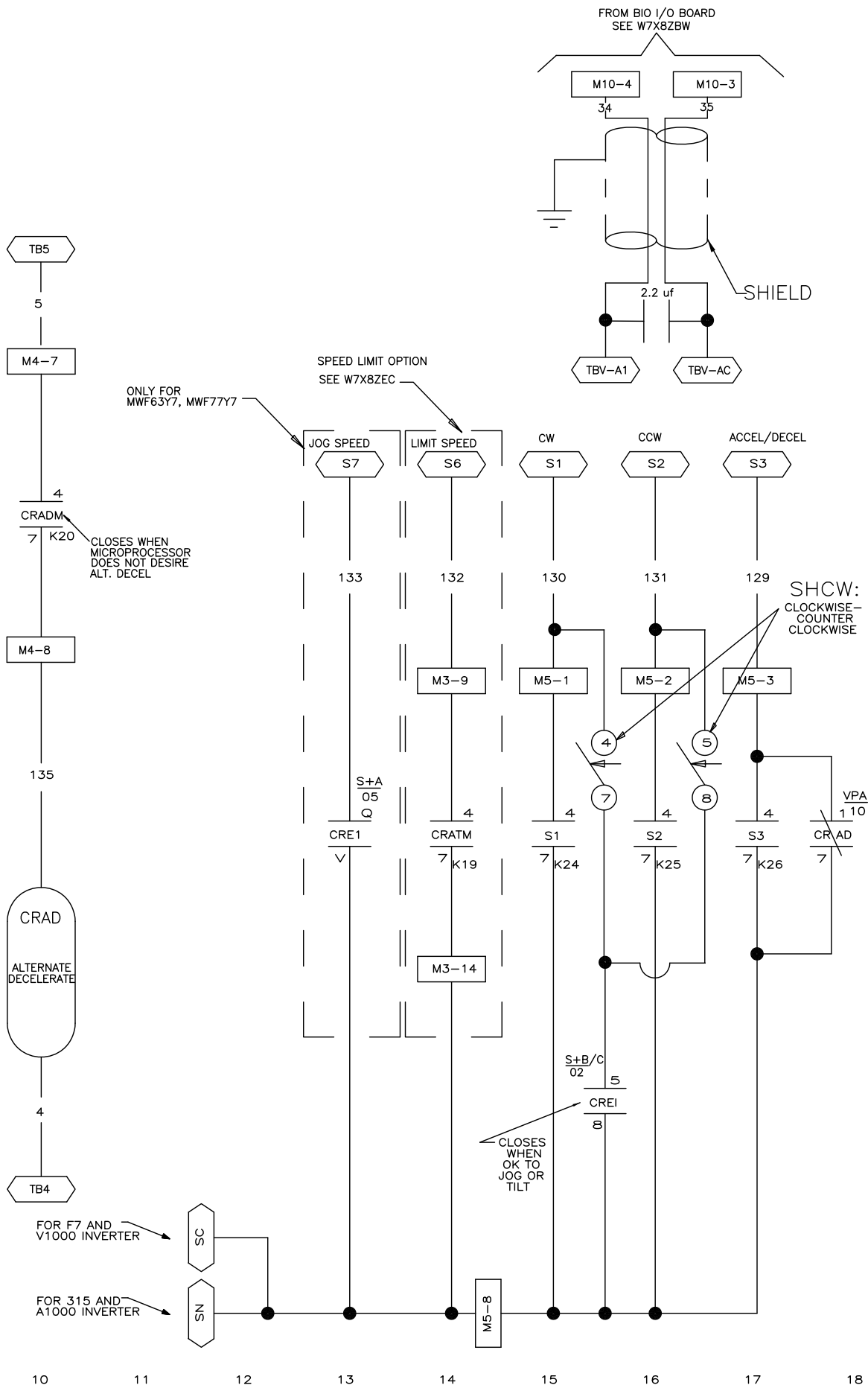
HIGH VOLTAGE MWF45Z8



HIGH VOLTAGE MWF63/77X7 MWF63/77ZY7

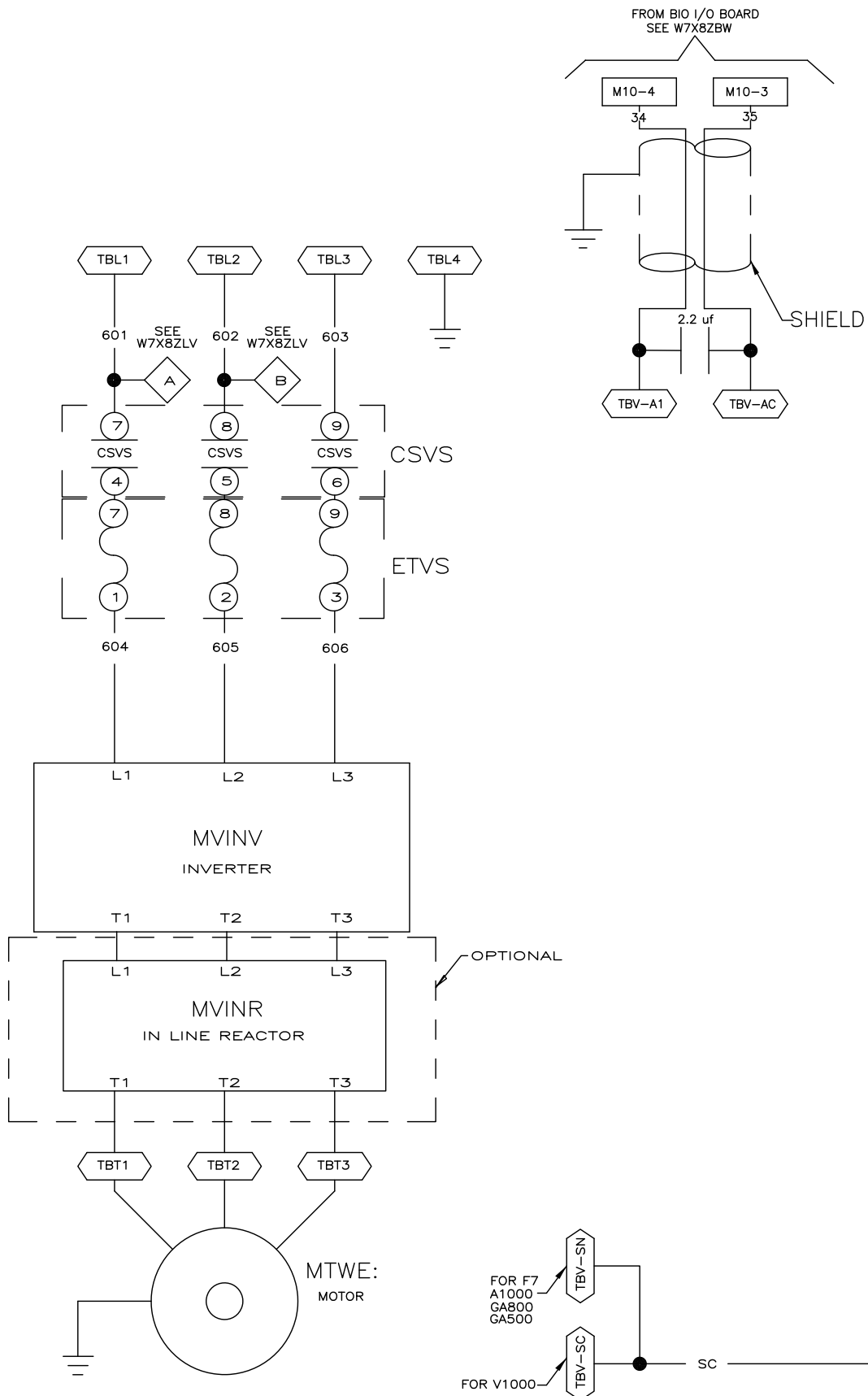


00 01 02 03 04 05 06 07 08 09



W7X8ZVPA
2024473B

W7X8ZVPA
2024473B



LITHO IN U.S.A.

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