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Schematic/Electrical Parts— 48036J6L, J6N, J6P Textile Processing Machine Mark III Controls



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for ME6D1AS1GE/2001334N

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COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
AC	>>ACCELEROMETERS				
ACBA	ACCELEROMETER-BALANCE	W6DA3SEC	30K205B	ACELROMETR 0-2G IC. SEN#3145-002	DOOR LATCH
BA	>>PRINTED CIRCUIT BOARDS				
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6DA3SBW	08BSADDBT	BOARD:W/E+DYE SERIAL ATO D TEST	LOW VOLT BOX
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6DA3SEC	08BSADDBT	BOARD:W/E+DYE SERIAL ATO D TEST	LOW VOLT BOX
BBAD-1	BOARD-BALANCE A TO D CONVERTER	W6DA3SEC	08BSBAD1T	BD:SERIAL BALANCING A-D-TEST	LOW VOLT BOX
BBB-1	BOARD-MEMORY BATTERY BACKUP	W6DA3SBW	08BSBB1T	BOARD: SER BATT BACKUP-TEST	PROCESSOR BX
BBFT-1	BOARD-BALANCE FILTER	W6DA3SEC	08BN4BWFT	BD 4STG BUTTERWORTH FLT>TEST	LOW VOLT BOX
BDA-1	BOARD-DIGITAL TO ANALOG CONVERTOR	W6DA3SBW	08BSBADT	BOARD:SERIAL D TO A-TEST	LOW VOLT BOX
BDVFD	BOARD-MICROPROCESSOR DISPLAY	W6DA3SDPA	08BSEVFD5T	BD:SERIAL VFD5-4LINE-TEST	SWITCH PANEL
BEP-1	BOARD-VOLT TO CURRENT CONVERTER	W6DA3SBW	08BN420AT	4-20MA OUTPUT BOARD->TESTED	LOW VOLT BOX
BFS-1	BOARD-FLOW SENSOR SIGNAL COND. BD.	W6DA3SFS	08BNDFST	FLOW SENSOR SIG COND>TESTED	LOW VOLT BOX
BIO-1	BOARD-8OUTPUT/16INPUT #1	W6DA3SBW	08BS816BHT	BD:8OUT-16IN HIGH SPD->TEST	LOW VOLT BOX
BIO-1	BOARD-8OUTPUT/16INPUT #1	W6DA3SEC	08BS816BHT	BD:8OUT-16IN HIGH SPD->TEST	LOW VOLT BOX
BIO-2	BOARD-8OUTPUT/16INPUT #2	W6DA3SBW	08BS816BT	BOARD:SERIAL 8OUT-16IN-TEST	LOGIC BOX
BIO-4	BOARD-8/16 #4 FOR CHEMICAL FLOW	W6DA3SCL1	08BS816BFT	BD:8OUT/16IN CHEM FLOW->TEST	LOGIC BOX
BIO-5	BOARD-8/16 #5 FOR CHEMICAL FLOW	W6DA3SCL2	08BS816BFT	BD:8OUT/16IN CHEM FLOW->TEST	LOGIC BOX
BIO-6	BOARD-8/16 #6 FOR CHEMICAL FLOW	W6DA3SCL3	08BS816BFT	BD:8OUT/16IN CHEM FLOW->TEST	LOGIC BOX
BLB	BOARD-LEVEL RECEIVER/TRANSDUCER	W6DA3SEC	08BNLRIT	E-LVL +RPM INTERF 0-2.5V.TST	LOW VOLT BOX
BO16-1	BOARD-16 OUTPUT #1	W6DA3SBW	08BSO16BT	BOARD:SERIAL 16 OUTPUT-TEST	LOW VOLT BOX
BO16-2	BOARD-16 OUTPUT #2	W6DA3SBW	08BSO16BT	BOARD:SERIAL 16 OUTPUT-TEST	LOW VOLT BOX
BO16-3	BOARD-16 OUTPUT #3	W6DA3SBW	08BSO16BT	BOARD:SERIAL 16 OUTPUT-TEST	LOW VOLT BOX
BPB	BOARD-MICROPROCESSOR	W6DA3SBW	08BSPE1T	186 SER PROC-TEST	PROCESSOR BX
BPB	BOARD-MICROPROCESSOR	W6DA3SPI	08BSPE1T	186 SER PROC-TEST	PROCESSOR BX
BTP-1	BOARD-TEMP PROBE INTERFACE-2CHANL	W6DA3SBW	08BNTPT	BD-THERMISTOR 2 CHAN->TESTED	LOW VOLT BOX
CD	>>RELAY-TIME DELAY				
CDBP	DELAY-BY PASS	W6DA3SMC	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	LOW VOLT BOX
CDEXN	DELAY-EXTRACT HAS ENDED	W6DA3SSP	09CF002037	TDR F2S 2PDT 11PIN 120V60/50C	LOW VOLT BOX
CDPTL	DELAY-DECOMP. DELAY 2	W6DA3SPR	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	
CDSDR	DELAY-SAMPLE DOOR RELEASE	W6DA3SDS	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	LOGIC BOX
CDVS	DELAY-VARIABLE SPEED FAULT	W6DA3SVP	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	VARI SPD BOX
CDWAA	DELAY-WASH MTR CCW	W6DA3SMC	09CF001037	TDR F1S 2PDT 11PIN 120V60C	VARI SPD BOX
CDWAC	DELAY-WASH MTR CW	W6DA3SMC	09CF001037	TDR F1S 2PDT 11PIN 120V60C	VARI SPD BOX

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
CL	>>RELAY-LATCH				
CLPF	LATCH-PRESS FAULT	W6DA3SPR	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOGIC BOX
CLPP	LATCH-ENABLE DOOR PRESSURE	W6DA3SS+	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CR	>>RELAY-PILOT OR CONTROL				
CRC+	RELAY-MANUAL CHEMICAL INJECT	W6DA3SDT	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CRCL	RELAY-INJECT LEFT	W6DA3SDT	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CRCMF	RELAY-DYE CHEM MANIFOLD DESIRED	W6DA3SDT	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CREXA	RELAY-AMPSAVER AMPS O.K.	W6DA3SEA	09C01DDDD24	RELAY 3PDT DIFGOLD 11PIN 24V	LOW VOLT BOX
CRFD	RELAY-FILTER DOOR IS CLOSED	W6DA3SDV	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CRFDT	RELAY-ENABLE FILL	W6DA3SDX	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	HEAT EXCH BOX
CRLDP	RELAY-LEVEL BELOW SAMPLE DOOR	W6DA3SDS	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CRRT	RELAY-TEMP ERROR	W6DA3SDV	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CRS+	RELAY-START 3-WIRE	W6DA3SS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRS+A	RELAY-START 3-WIRE	W6DA3SS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	HIGH VOLT BX
CRS+B	RELAY-3-WIRE	W6DA3SEA	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRSAD	RELAY-SAMPLE DESIRED	W6DA3SDS	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CRSAE	RELAY-SAMPLE DESIRED (SLAVE)	W6DA3SDS	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CRSP	RELAY-SPEED IS SLOW	W6DA3SSP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRSPA	RELAY-SPEED IS SLOW	W6DA3SSP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRVU	RELAY-CHEMICAL INJECT	W6DA3SDT	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOGIC BOX
CS	>>CONTACTOR-MOTOR STARTER				
CSDR	CONTACTOR-DRAIN MOTOR	W6DA3SMC	09MC08C337	16A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE1	CONTACTOR-LOW EXTRACTOR MOTOR	W6DA3SMC	09MC08C337	16A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE2	CONTACTOR-HIGH EXTRACTOR MOTOR	W6DA3SMC	09MC08G337	37A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP	CONTACTOR-HYDRAULIC PUMP	W6DA3SRG	09MC08E337	30A 3P MCS CONT NR 120B5/6	HIGH VOLT BX
CSP10	CONTACTOR-MIXER MTR DYE TANK 10	W6DA3SDW	09MC08D337	23A 3P MCS CONT NR 120V5/6	DYE TNK CBOX
CSP11	CONTACTOR-MIXER MTR DYE TANK 11	W6DA3SDW	09MC08D337	23A 3P MCS CONT NR 120V5/6	DYE TNK CBOX
CSPR	CONTACTOR-RECIRCULATION PUMP	W6DA3SDY	09MC08D337	23A 3P MCS CONT NR 120V5/6	DYE TNK CBOX
CSVs	CONTACTOR-VARIABLE SPEED	W6DA3SVP	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
EB	>>BUZZER OR AUDIBLE SIGNAL				
EBSG	BUZZER-SIGNAL AUDIBLE	W6DA3SS+	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EDP	>>PRINTER-ELECTRONIC				
EDPM	PRINTER-MICROPROCESSOR	W6DA3SPI	08MPSEREPN	PRINTER - CITIZEN GSX190	REMOTE MOUNT

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
EF	>>FUSE OR FUSE HOLDER				
EF1	FUSE-WASH MOTOR	W6DA3SMT	MESSAGE SN	SEE SPECIFIC MACHINE + NAMEPLATE	HIGH VOLT BX
EF2	FUSE-LOW SPEED WASH MOTOR	W6DA3SMT	MESSAGE SN	SEE SPECIFIC MACHINE + NAMEPLATE	HIGH VOLT BX
EF3	FUSE-DRAIN MOTOR	W6DA3SMT	MESSAGE SN	SEE SPECIFIC MACHINE + NAMEPLATE	HIGH VOLT BX
EF37	FUSE-120VAC CONTROL CIRCUIT	W6DA3SPS	09FF006AWA	FUSE BK/ABC 6 AMP 250V BUSS	HIGH VOLT BX
EF4	FUSE-HYDRAULIC MOTOR	W6DA3SMT	MESSAGE SN	SEE SPECIFIC MACHINE + NAMEPLATE	HIGH VOLT BX
EFP1	FUSE-PRIMARY INCOMING VOLTAGE	W6DA3SPS	09FF005AWN	BUSS BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EFP2	FUSE-PRIMARY INCOMING VOLTAGE	W6DA3SPS	09FF005AWN	BUSS BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EL	>>LIGHT-PILOT OR INDICATOR				
ELC6D	LIGHT-DRAIN TANK 6	W6DA3SDT	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	DYE TK SWPNL
ELC7D	LIGHT-DRAIN TANK 7	W6DA3SDT	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	DYE TK SWPNL
ELC8D	LIGHT-DRAIN TANK 8	W6DA3SDT	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	DYE TK SWPNL
ELC9D	LIGHT-DRAIN TANK 9	W6DA3SDU	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	DYE TK SWPNL
ELCAD	LIGHT-DRAIN TANK 10	W6DA3SDU	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	DYE TK SWPNL
ELCBD	LIGHT-DRAIN TANK 11	W6DA3SDU	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	DYE TK SWPNL
ELDTF	LIGHT-DYE TANK FILL ENABLE	W6DA3SDX	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	DYE TK SWPNL
ELEB1	LIGHT-EXTRACT BALANCE RIB #1	W6DA3SEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEB2	LIGHT-EXTRACT BALANCE RIB #2	W6DA3SEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEB3	LIGHT-EXTRACT BALANCE RIB #3	W6DA3SEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEBK	LIGHT-BALANCE EXCURSION	W6DA3SI1A	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6DA3SS+	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELSAO	LIGHT-O.K. TO OPEN SAMPLE DOOR	W6DA3SDS	09J060G37	LAMP 1/2" GRN 125V IDI 1052QC5	SMPL DR SWPL
ELSDR	LIGHT-SLOW DECOMP.SMALL VENT OPEN	W6DA3SDS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	PRESS. SWPNL
ELSDR	LIGHT-SAMPLE DISIRED	W6DA3SDS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SMPL DR SWPL
ELSG	LIGHT-SIGNAL VISUAL	W6DA3SS+	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELVC	LIGHT-VENT CLOSED "FAULT"	W6DA3SPR	09J060R37	LAMP 1/2" RED 125V IDI 1050QC1	PRESS. SWPNL
EM	>>ELECTROMAGNET AND SOLENOID				
EMCF	FAN-INVERTER COOLING	W6DA3SVP	13AF100A37	FAN 92CFM115V60 NEWARK #90F6921	VARI SPD BOX
ES	>>POWER SUPPLY-ELECTRONIC				
ESPS	POWER SUPPLY-120V TO +12,-12,+5V	W6DA3SBW	08PSS3401T	40 WATT POWER SUPPLY TESTED	LOW VOLT BOX
ET	>>THERMAL OVERLOAD DEVICES				
ETDB	OVERLOAD-DYNAMIC BRAKE	W6DA3SVP	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	VARI SPD BOX
ETDR	OVERLOAD-DRAIN MOTOR	W6DA3SMT	09FTC0120T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
ETE1	OVERLOAD-LOW EXTRACT MOTOR	W6DA3SMT	09FTC0120T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX
ETE2	OVERLOAD-HIGH EXTRACT MOTOR	W6DA3SMT	09FTC0230T	OL RELAY 23-75A AB #193-A3K3	HIGH VOLT BX
ETHYP	OVERLOAD-HYDRAULIC PUMP MOTOR	W6DA3SMT	09FTC0121T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX
ETWA	OVERLOAD-WASH MOTOR	W6DA3SMT	09FTC0230T	OL RELAY 23-75A AB #193-A3K3	HIGH VOLT BX
EX	>>TRANSFORMERS				
EX37	TRANSFORMER-INCOMING VOLT.120VAC	W6DA3SPS	MESSAGE EW	SEE EX37-1, -2, OR -3 FOR VOLTAGE	HIGH VOLT BX
EX37-1	TRANSFORMER-208/240>120VAC	W6DA3SPS	09U249AA37	XFMR 200-240V PRI/120VSEC/250VA	HIGH VOLT BX
EX37-2	TRANSFORMER-380/480>120VAC	W6DA3SPS	09U200AAB	XFMR 380-480V/240-120V-250VA	HIGH VOLT BX
EX37-3	TRANSFORMER-600->120VAC	W6DA3SPS	09U251AB37	XFMR 600VPRI/120VSC-250VA-3%REG	HIGH VOLT BX
EX96A	TRANSFORMER-600V TO 480V	W6DA3SMT6	09US050A96	XFMR 1PH 5KVA 240/208X120/240	600V BOX
EX96B	TRANSFORMER-600V TO 480V	W6DA3SMT6	09US050A96	XFMR 1PH 5KVA 240/208X120/240	600V BOX
KB	>>KEYBOARD-ELECTRONIC				
KBM	KEYPAD-MICROPROCESSOR	W6DA3SKP	08ND5X6WE	KEYPAD:5X6MATRIX WASHER-EXT	SWITCH PANEL
MR	>>MOTORS				
MTDR	MOTOR-DRAIN	W6DA3SMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTE1	MOTOR-LOW SPEED EXTRACT	W6DA3SMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTE2	MOTOR-HIGH SPEED EXTRACT	W6DA3SMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTHYD	MOTOR-HYDRAULIC PUMP	W6DA3SMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE BASE
MTWA	MOTOR-WASH	W6DA3SMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MV	>>MOTOR POWER INVERTERS				
MVDBR	RESISTOR-DYNAMIC BRAKE	W6DA3SVP	09MV100RES	RESIST 100 OHM 225WATT ADJ	VARI SPD BOX
MVWA	INVERTER-WASH MOTOR	W6DA3SVP	MESSAGE EW	SEE MVWAH OR MVWAL FOR VOLTAGE	VARI SPD BOX
MVWAH	INVERTER-WASH MOTOR 380-460V	W6DA3SVP	09MV021A96	VARSPEED 21 AMPS 460V	VARI SPD BOX
MVWAL	INVERTER-WASH MOTOR 200-230V	W6DA3SVP	09MV036A74	VARSPEED 36 AMPS 230V	VARI SPD BOX
PX	>>PROXIMITY SWITCH				
PXBA	PROX SW-BALANCE	W6DA3SEC	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	REAR OF MACH
SH	>>SWITCH-HAND OPERATED				
SH00A	SWITCH-MANUAL ON/OFF DYE TANK 10	W6DA3SDW	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SH00B	SWITCH-MANUAL ON/OFF DYE TANK 11	W6DA3SDW	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SH1	SWITCH-FILL DYE TANK 10 & 11	W6DA3SDW	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SH1	SWITCH-ENABLE FILL DYE TANKS	W6DA3SDX	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SH10	SWITCH-ENABLE FILL DYE TANKS 10	W6DA3SDX	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SH11	SWITCH-ENABLE FILL DYE TANKS 11	W6DA3SDX	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL

COMPONENT PARTS LIST

W6DA3SPL/2001334N

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND</u>		<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
		<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
SHC+	SWITCH -MANUAL CHEMICAL INJECT	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	CLDOWN SWPL
SHC+	SWITCH -MANUAL CHEMICAL INJECT	W6DA3SI2	W6DA3SI2	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	CLDOWN SWPL
SHC1	SWITCH-MANUAL FLUSH CHEM. 1	W6DA3SCF	W6DA3SCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY SWPNL
SHC2	SWITCH-MANUAL FLUSH CHEM. 2	W6DA3SCF	W6DA3SCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY SWPNL
SHC3	SWITCH-MANUAL FLUSH CHEM. 3	W6DA3SCF	W6DA3SCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY SWPNL
SHC4	SWITCH-MANUAL FLUSH CHEM. 4	W6DA3SCF	W6DA3SCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY SWPNL
SHC5	SWITCH-MANUAL FLUSH CHEM. 5	W6DA3SCF	W6DA3SCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY SWPNL
SHC6D	SWITCH-CHEMICAL 6 DRAIN	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHC6D*	SWITCH-CHEMICAL 6 DRAIN	W6DA3SDT	W6DA3SDT	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	DYE TK SWPNL
SHC6F	SWITCH-CHEMICAL 6 FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHC6F*	SWITCH-CHEMICAL 6 FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	DYE TK SWPNL
SHC7D	SWITCH-CHEMICAL 7 DRAIN	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHC7D*	SWITCH-CHEMICAL 7 DRAIN	W6DA3SDT	W6DA3SDT	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	DYE TK SWPNL
SHC7F	SWITCH-CHEMICAL 7 FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHC7F*	SWITCH-CHEMICAL 7 FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	DYE TK SWPNL
SHC8D	SWITCH-CHEMICAL 8 DRAIN	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHC8D*	SWITCH-CHEMICAL 8 DRAIN	W6DA3SDT	W6DA3SDT	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	DYE TK SWPNL
SHC8F	SWITCH-CHEMICAL 8 FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHC8F*	SWITCH-CHEMICAL 8 FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	DYE TK SWPNL
SHC9D	SWITCH-CHEMICAL 9 DRAIN	W6DA3SDU	W6DA3SDU	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHC9F	SWITCH-CHEMICAL 9 FLUSH	W6DA3SDU	W6DA3SDU	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCAD	SWITCH-CHEMICAL 10 DRAIN	W6DA3SDU	W6DA3SDU	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCAF	SWITCH-CHEMICAL 10 FLUSH	W6DA3SDU	W6DA3SDU	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCBD	SWITCH-CHEMICAL 11 DRAIN	W6DA3SDU	W6DA3SDU	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCBF	SWITCH-CHEMICAL 11 FLUSH	W6DA3SDU	W6DA3SDU	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCCD	SWITCH-CHEMICAL 12 DRAIN	W6DA3SDZ	W6DA3SDZ	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCCF	SWITCH-CHEMICAL 12 FLUSH	W6DA3SDZ	W6DA3SDZ	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCD	SWITCH-MANUAL COOLDOWN	W6DA3SI2	W6DA3SI2	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	CLDOWN SWPL
SHCDD	SWITCH-CHEMICAL 13 DRAIN	W6DA3SDZ	W6DA3SDZ	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCDF	SWITCH-CHEMICAL 13 FLUSH	W6DA3SDZ	W6DA3SDZ	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHCMF	SWITCH-DYE CHEM MANIFOLD FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	FL TNK VLV BX
SHCMF*	SWITCH-DYE CHEM MANIFOLD FLUSH	W6DA3SDT	W6DA3SDT	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	FL TNK VLV BX
SHCR	SWITCH-INJECT RIGHT	W6DA3SCF	W6DA3SCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY SWPNL

COMPONENT PARTS LIST

W6DA3SPL/2001334N

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND</u>		<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
		<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
SHD+	SWITCH-MANUAL CHEMICAL INJECT	W6DA3SDW		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	DYE TK SWPNL
SHDO	SWITCH-DOOR OPEN	W6DA3SRG		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6DA3SS+		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6DA3SSP		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHEAK	SWITCH-AMPSAVER/MACHINE	W6DA3SEA		09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	LOW VOLT BOX
SHFDO	SWITCH-OPEN FILTER DOOR	W6DA3SDV		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	FILT SWPNL
SHMD	SWITCH-LOCAL/REMOTE (MILDATA)	W6DA3SI1A		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	PROCESSOR BX
SHOC	SWITCH-0DIRECT MANUAL COOLDOWN	W6DA3SI2		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	CLDOWN SWPL
SHRM	SWITCH-TILT UP/DOWN	W6DA3SRG		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWITCH-START 3-WIRE	W6DA3SS+		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSAD	SWITCH-SAMPLE DESIRED	W6DA3SDS		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	CLDOWN SWPL
SHSAR	SWITCH-SAMPLE RESET	W6DA3SDS		09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	CLDOWN SWPL
SHSG	SWITCH-SIGNAL CANCEL	W6DA3SI1A		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6DA3SSP		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSO	SWITCH-STOP	W6DA3SS+		09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6DA3SS+		09N505	SW ASSY EMER STOP	SWITCH PANEL
SHWDO	SWITCH-HYD DOOR OPEN	W6DA3SRG		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWITCH-JOG CW/CCW	W6DA3SS+		09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SK	>>SWITCH-KEYLOCK					
SKPR	SWITCH-RUN/PROGRAM (KEY OP)	W6DA3SI1A		09N127C	KEYSW SPST 7A120VAC SCREW TERM	SWITCH PANEL
SL	>>>SWITCH-LEVEL					
SLLLL	LEVEL SW-LOW LEVEL	W6DA3SI1A		09R014	MICSW SPDT LEVEL SW V3-1-8 (13)	LEVEL TUBE
SLLLL3	LEVEL SW-HIGH LEVEL	W6DA3SI1A		09R014A	MINI-SW SPDT STAKON #V15G1C26K	LEVEL TUBE
SM	>>SWITCH-MECHANICAL OPERATED					
SMDO	SWITCH-DOOR IS FULL OPEN	W6DA3SRG		09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMERB	SWITCH-EXCURSION	W6DA3SI1A		09R008A	MICSW SPDT PAINTED BZE6-RN 01	MACH HOUSE
SMFM1	SWITCH-FILTER DOOR	W6DA3SDV		09RM01212G	CAPSW 12FT 180DEG ROLLED GOLD	FILTER TANK
SMFM2	SWITCH-FILTER DOOR	W6DA3SDV		09RM01212G	CAPSW 12FT 180DEG ROLLED GOLD	FILTER TANK
SMFM3	SWITCH-FILTER DOOR LATCHED	W6DA3SDV		09RM01212G	CAPSW 12FT 180DEG ROLLED GOLD	FILTER TANK
SMPLL	SWITCH-DOOR LATCHED	W6DA3SS+		09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMSDC	SWITCH-DOOR SAMPLE	W6DA3SDS		09RM01212G	CAPSW 12FT 180DEG ROLLED GOLD	SAMPLE DOOR
SMSDD	SWITCH-DOOR SAMPLE	W6DA3SDS		09RM01212G	CAPSW 12FT 180DEG ROLLED GOLD	SAMPLE DOOR
SMSP	SWITCH-SPEED	W6DA3SSP		SAE03-012B	SLIPRING+CENT SW.ASSY(LORES)	DRIVE ASSEMY

COMPONENT PARTS LIST

<u>COMPONENT</u>	<u>FUNCTION OF</u>	<u>WHERE TO FIND</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
<u>NUMBER</u>	<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
SMWVB	SWITCH-MACHINE VIBRATION	W6DA3SS+	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SP	>>SWITCH-PRESSURE OPERATED				
SPBR	PRESSURE SW-BRAKE	W6DA3SI1A	09N082A	PRESSW NASON CLOSE @ 62 LB.	AIR VALVE BX
SPLL1	PRESSURE SW-LOW LEVEL	W6DA3SI1A	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPLL5	PRESSURE SW-MACHINE PRESSURE	W6DA3SI2	09N071	PRESS SWITCH 10"WC EATON 738-718	LOW VOLT BOX
SPLDP	PRESSURE SW-LEVL BELOW DOOR	W6DA3SSP	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPLP1	PRESSURE SW-LEVEL BELOW SAMPLE DR	W6DA3SDS	09N071	PRESS SW 10"WC EATON#738-719	LOGIC BOX
SPLP2	PRESSURE SW-LEVEL BELOW SAMPLE DR	W6DA3SDS	09N071	PRESS SW 10"WC EATON#738-719	LOGIC BOX
SPPH	PRESSURE SW-HI SHELL PRESSURE	W6DA3SPR	09N087	PRESS SW DPDT 10PSI INCRES/ 75	PRESS SWPNL
SPPL	PRESSURE SW-SHELL PRESSURE LOW	W6DA3SPR	09N087	PRESS SW DPDT 10PSI INCRES/ 75	PRESS SWPNL
SPVC	PRESSURE SW-VENT AIR LINE	W6DA3SPR	09N087	PRESS SW DPDT 10PSI INCRES/ 75	AIR VALVE BX
SPWDP	SWITCH-DOOR PRESSURE	W6DA3SSP	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BX
ST	>>SWITCH-TEMPERATURE				
STTTA	SWITCH-TEMP SAFETY	W6DA3SDV	30R0300PS	THERMOSW,FINWAL CLOSE @ 300F	FILTER TANK
STTTB	SWITCH-TEMP SAFETY	W6DA3SDV	30R0300PS	THERMOSW,FINWAL CLOSE @ 300F	FILTER TANK
VE	>>VALVE-ELECTRIC OPERATED				
VEC01	VALVE-CHEMICAL #1 FLUSH	W6DA3SCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC02	VALVE-CHEMICAL #2 FLUSH	W6DA3SCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC03	VALVE-CHEMICAL #3 FLUSH	W6DA3SCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC04	VALVE-CHEMICAL #4 FLUSH	W6DA3SCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC05	VALVE-CHEMICAL #5 FLUSH	W6DA3SCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC06	VALVE-CHEMICAL #6	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC07	VALVE-CHEMICAL #7	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC08	VALVE-CHEMICAL #8	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC09	VALVE-CHEMICAL #9	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC10	VALVE-CHEMICAL #10	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC11	VALVE-CHEMICAL #11	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC12	VALVE-CHEMICAL #12	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC13	VALVE-CHEMICAL #13	W6DA3SCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC6D	VALVE-DRAIN TANK 6	W6DA3SDT	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DYE TNK VLBX
VEC6F	VALVE-FLUSH TANK 6	W6DA3SDT	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DYE TANK
VEC7D	VALVE-DRAIN TANK 7	W6DA3SDT	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DYE TNK VLBX
VEC7F	VALVE-FLUSH TANK 7	W6DA3SDT	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DYE TANK

COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT	WHERE TO FIND		MIL/NOR P/N	DESCRIPTION	LOCATION
		THIS COMPONENT				
VEC8D	VALVE-DRAIN TANK 8	W6DA3SDT		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DYE TNK VLVBX
VEC8F	VALVE-FLUSH TANK 8	W6DA3SDT		96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DYE TANK
VEC9D	VALVE-DRAIN TANK 9	W6DA3SDU		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DYE TNK VLVBX
VEC9F	VALVE-FLUSH TANK 9	W6DA3SDU		96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DYE TANK
VECAD	VALVE-DRAIN TANK 10	W6DA3SDU		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VECAF	VALVE-FLUSH TANK 10	W6DA3SDU		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VECBD	VALVE-DRAIN TANK 11	W6DA3SDU		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VECBF	VALVE-FLUSH TANK 11	W6DA3SDU		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VECCD	VALVE-DRAIN TANK 12	W6DA3SDZ		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VECCF	VALVE-FLUSH TANK 12	W6DA3SDZ		96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DYE TANK
VECDD	VALVE-DRAIN TANK 13	W6DA3SDZ		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VECDF	VALVE-FLUSH TANK 13	W6DA3SDZ		96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DYE TANK
VECFM	VALVE-FLUSH MANIFOLD	W6DA3SCX		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VECMF	VALVE-DYE CHEM MANIFOLD FLUSH	W6DA3SDT		96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DYE TK VLVBX
VEDF	VALVE-DRAIN FLUSH	W6DA3SSP		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEDRR	VALVE-DRAIN TO REUSE	W6DA3SEV		96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEDRS	VALVE-DRAIN TO SEWER	W6DA3SEV		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEDRT	VALVE-DRAIN TO SEWER	W6DA3SEV		96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEDST	VALVE-DIRECT STEAM PILOT	W6DA3SST		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEEB1	VALVE-BALANCE FILL RIB #1	W6DA3SEB		96P053A37	3/4" VAL 110V HAYS #2110-6021IS	BASKET REAR
VEEB2	VALVE-BALANCE FILL RIB #2	W6DA3SEB		96P053A37	3/4" VAL 110V HAYS #2110-6021IS	BASKET REAR
VEEB3	VALVE-BALANCE FILL RIB #3	W6DA3SEB		96P053A37	3/4" VAL 110V HAYS #2110-6021IS	BASKET REAR
VEF10	VALVE-FILL TANK 10	W6DA3SDX		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEF11	VALVE-FILL TANK 11	W6DA3SDX		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEFDL	VALVE-RELEASE RATCHET	W6DA3SSP		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEHDC	VALVE-HYD DOOR CLOSED	W6DA3SS+		96RH706E37	VLVPARKER 110V50/115V60 7GPM	HYDRAULIC PL
VEHDL	VALVE-TILT DOOR LATCH	W6DA3SSP		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEHDO	VALVE-HYD DOOR OPEN	W6DA3SS+		96RH706E37	VLVPARKER 110V50/115V60 7GPM	HYDRAULIC PL
VEHTD	VALVE-HYD TILT DOWN	W6DA3SRG		96RH706E37	VLVPARKER 110V50/115V60 7GPM	HYDRAULIC PL
VEHTU	VALVE-HYD TILT UP	W6DA3SRG		96RH706E37	VLVPARKER 110V50/115V60 7GPM	HYDRAULIC PL
VEL	VALVE-OPEN DOOR	W6DA3SDV		96TBC2AA37	1/4" N/C 2WAY 120V50/60C	AIR VALVE BX
VEMSR	VALVE-MOD. STEAM/COOLDOWN RAMP	W6DA3SBW		96S2001	MOTOR 160 DEG/60 SEC 24V50/60	STEAM INLET
VEPL	VALVE-DOOR LATCH	W6DA3SSP		96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
VEPPC	VALVE-CLOSE PORTS #1 AND #2	W6DA3SPR	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPPO	VALVE-OPEN PORT #2	W6DA3SPR	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6DA3SSP	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEPR	VALVE-FLUSH RECIRCULATION PUMP	W6DA3SDY	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPRX	VALVE-DRAIN STEAM SIDE HEAT EXCHG	W6DA3SDY	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPVO	VALVE-OPEN 4" VENT SHUTTLE PILOT	W6DA3SPR	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPSV	VALVE-CLOSE 1" VENT	W6DA3SPR	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VERIM	VALVE-RIGHT CHEM. INJECT MANIFOLD	W6DA3SCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VERRI	VALVE-DRAIN TO REUSE	W6DA3SEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VESDL	VALVE-SAMPLE DOOR LATCH	W6DA3SDS	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VESP	VALVE-ENABLE SANDPIPER PUMP	W6DA3SDT	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VESTM	VALVE-STEAM PILOT	W6DA3SST	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VESTV	VALVE-STEAM PILOT VALVE	W6DA3SST	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETCW	VALVE-STEAM PILOT VALVE	W6DA3SST	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETCX	VALVE-STEAM PILOT VALVE	W6DA3SST	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWBR	VALVE-BRAKE	W6DA3SEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWCL	VALVE-AIR CLUTCH	W6DA3SSP	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCLA	VALVE-AIR CLUTCH VENT	W6DA3SSP	96TBO3BA37	1/4" N/O 3WAY 120V50/60C	AIR VALVE BX
VEWVC	VALVE-COLD WATER	W6DA3SEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWWH	VALVE-HOT WATER	W6DA3SEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVX	VALVE-EXTRA WATER	W6DA3SEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
WF	>>METER-WATER				
WFM	METER-WATER FLOW	W6DA3SFS	30F515	FLOW SENSOR SIGNET P51530-P0	WATER INLET

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 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, FOB our factory. 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 repaired or altered in any way without MILNOR's written consent.

Parts which require routine replacement due to normal wear – such as gaskets, contact points, brake and clutch linings and similar parts – are not covered by this warranty, nor are parts damaged by exposure to weather or to chemicals.

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. 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, MISUSE, 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.

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
92732A

How to order repair parts

Repair parts may be ordered either from the authorized dealer who sold you this machine, or directly from the MILNOR factory. In most cases, your dealer will have these parts in stock.

When ordering parts, please be sure to give us the following information:

1. Model and serial number of the machine for which the parts are required
2. Part number
3. Name of the part
4. Quantity needed
5. Method of shipment desired
6. In correspondence regarding motors or electrical controls, please include all nameplate data, including wiring diagram number and the make or manufacturer of the motor or controls.

All parts will be shipped C.O.D. transportation charges collect only.

Please read this manual

It is strongly recommended that you read the installation and operating manual before attempting to install or operate your machine. We suggest that this manual be kept in your business office so that it will not become lost.

PELLERIN MILNOR CORPORATION

P.O. BOX 400, KENNER, LA., 70063-0400, U.S.A.

FAX: Administration 504/468-9307, Engineering 504/469-1849, Service 504/469-9777

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72332A

HOW TO USE MILNOR[®] ELECTRICAL SCHEMATICS

Milnor[®] electrical schematic manuals contain a *table of contents/component list*, a set of *schematic drawings*, and a *signal routing table*. 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.

The *schematic drawings* use symbols for each electro-mechanical 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 but are shown in the signal routing table. **Most machines (manuals) require several schematics to describe the complete control system including all available options. However, this means that there are usually some schematics that do not apply to a specific machine.** Each schematic is devoted to circuits with common functions (e.g., microprocessor inputs, motor contactors). Schematics appear in the manual in alphanumeric order.

The *signal routing table* assists in determining wire routing. It identifies each group of conductors in a control system connected with zero resistance. Groups are identified by a two or three character wire number. Each wire belonging to such a group of conductors has that group's wire number printed along the wire insulation. Although there are some exceptions, generally each group of conductors within the entire electrical system for a machine family has its own unique wire number. The signal routing table for the manual lists each wire alphanumerically by wire number and each component/pin number to which *the wire is attached*, including those not shown on the schematics (e.g., wire connectors). Milnor[®] document MST50202BE HOW TO USE THE SIGNAL ROUTING TABLE provides more information.

Component Prefix Classifications and Descriptions

The *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.

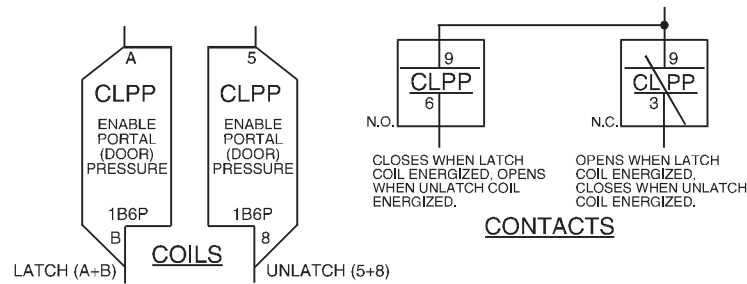
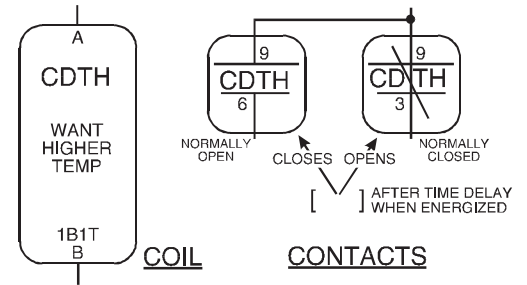
The following are descriptions of the electrical components used in Milnor[®] machines. Descriptions are in alphabetical order of the component class code (two character prefix).

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

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

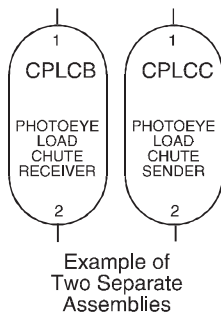
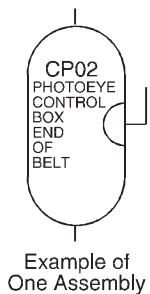
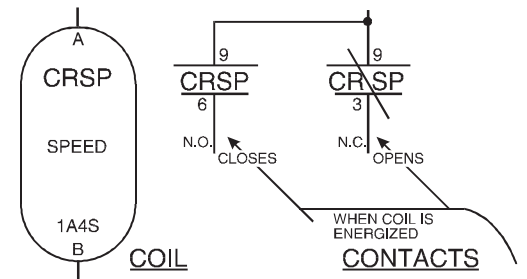


CD=Control, Time Delay Relay A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.



CL=Control, Latch Relay 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*).

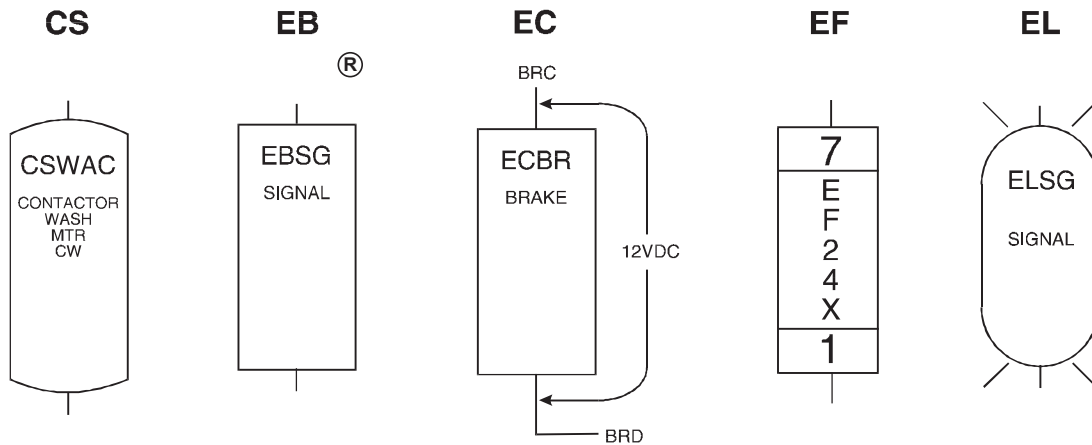
CR=Control, Relay A relay whose contacts switch immediately when voltage is applied to its coil and revert to normal when the voltage is removed.



CP=Control, Photo-Eyes 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 unblocked (light operate).

HOW TO USE MILNOR[®] ELECTRICAL SCHEMATICS



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

EB=Electric Buzzer An audible signaling device.

EC=Electric Clutch 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 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.

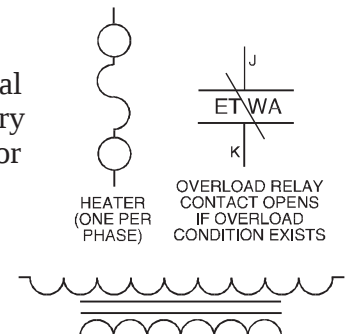
EL=Electric Light Indicator lights may be either incandescent or fluorescent.

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 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.

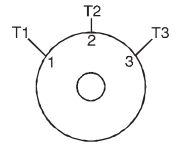
EX=Electrical Transformer A device that transfers electrical energy from one isolated circuit to another, often raising or lowering the voltage in the process.



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 Electro-mechanical device that converts electrical energy into mechanical energy.

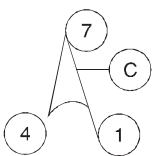
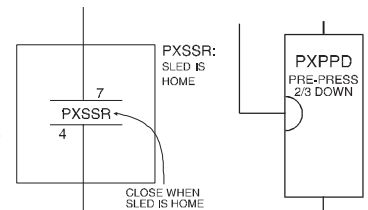


MV=Motor (Variable Speed) Inverter To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained.

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.

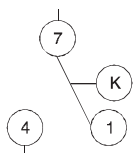
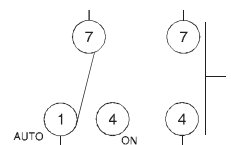
NOTE: Switch symbols used in the schematics and described below always depict the switch in its unactuated state.

PX=Proximity Switch A device which reacts to the proximity of an 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.



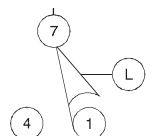
SC=Switch, Cam Operated A switch in which the electrical contacts are opened and/or closed by the mechanical action of a cam(s). Applications include 35-50 pound timer operated machines, autospot, timer reversing motor assembly, and some balancing systems.

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

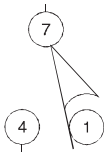


SK=Switch, Key Lock A switch that requires a key to operate. This prevents unauthorized personnel from gaining access to certain functions (e.g., the *Program Menu*).

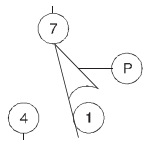
SL=Switch, Level Operated A switch connected to a float that causes the switch to open and close as the level changes.



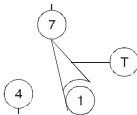
SM=Switch, Mechanically Operated A switch that is mechanically operated by a part of or the motion of the machine (e.g., door closed switch, tilt limit switches, etc.)



SP=Switch, Pressure Operated A switch consisting of a diaphragm that pushes against a switch actuator.



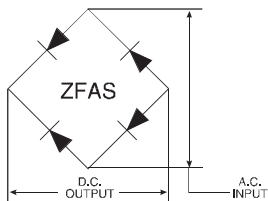
ST=Switch, Temperature Operated A switch that is actuated at a preset temperature (e.g., dryer safety probes) or has adjustable set points (e.g., Motometers or Combistats).



TB=Terminal Board A strip or block for attaching or terminating wires.



VE=Valve, Electric Operated A valve operated by an electric coil to control the flow of fluid. The fluid can be air, water or hydraulics.

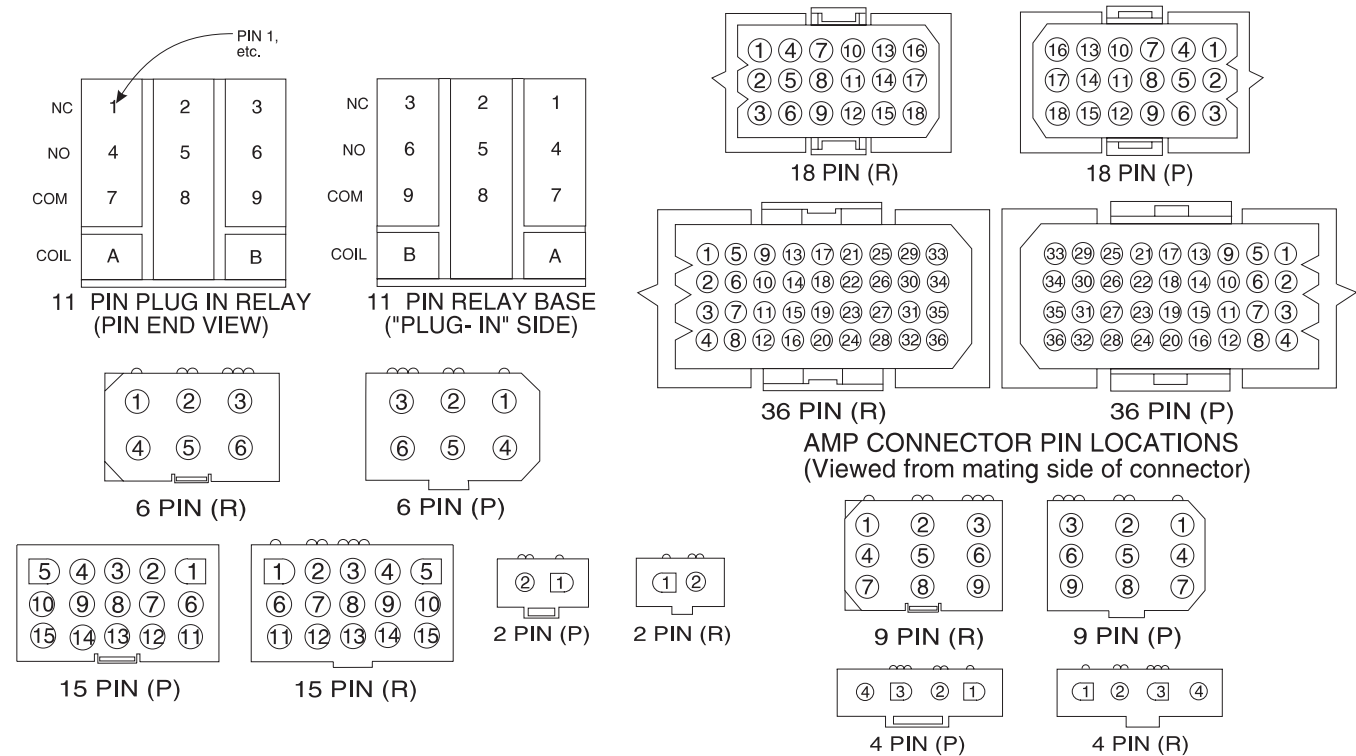


ZF=Rectifier A solid state device that converts alternating current to direct current.

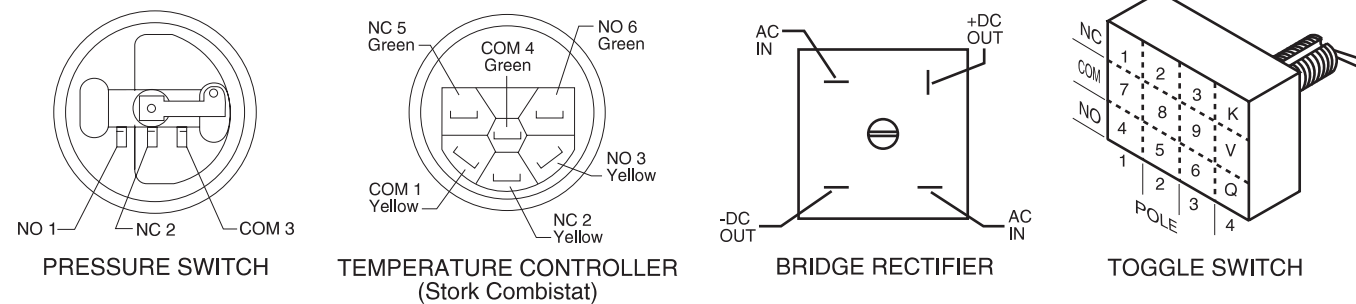
WC=Wiring Connector A coupling device for joining two cables or connecting a cable to an electronic circuit or piece of equipment. Connectors are male or female, according to whether they plug into or receive the mating connector.

Component Terminal Numbering

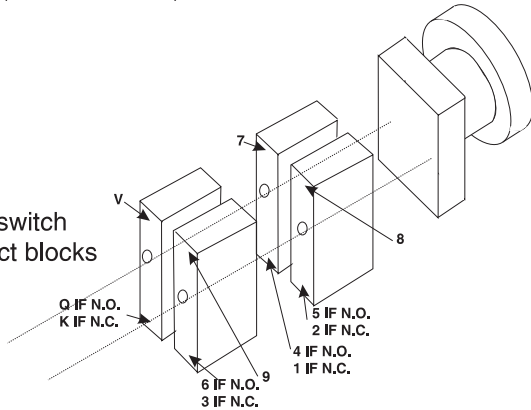
NOTE: Numbers shown usually appear on the component.



MOLEX CONNECTOR PIN LOCATIONS (Viewed from mating side of connector)



Rotary or push button switch with replaceable contact blocks



Features of Milnor® Electrical Schematics

Document W6DRYGS+A shown on the next page, is part of an actual schematic for the Milnor Gas Dryer. For the purposes of this instruction, 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 General functions of the circuit or portions thereof are stated across the top edge of the drawing.
- ⑤ 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.
- ⑥ Relay coils show the page and line number on which its associated contacts are located.
- ⑦ Relay contacts and relay coils show the physical location of the relay.

- ⑧ 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 II washer-extractor control and their designations are as follows:

MTA1-MTA6 = 8 output, 16 input (8/16) boards.

MTA11-MTA16 = 16 output boards

MTA30-MTA40 = processor boards

MTA41-MTA43 = digital to analog (D/A) boards

MTA51-MTA56 = analog to digital (A/D) boards

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

- ⑨ The wire numbers, as described in the explanation of the signal routing table at the beginning of this section, are shown at appropriate locations on the schematic drawing.
- ⑩ 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.

4 CIRCUIT FUNCTION

5 THIS INDICATES ON WHICH PAGE (W6DRYGS+) AND LINE NUMBER (08) THE RELAY COIL CAN BE FOUND FOR THIS SET OF CONTACTS.

6 THIS INDICATES ON WHICH SCHEMATIC PAGE AND LINE NUMBER THE RELAY CONTACTS OF THIS COIL (ON LINE 08) ARE LOCATED. (I.E.: W6DRYGS+, LINES 9 & 11)

NORMALLY CLOSED CONTACTS
7-1 CONTACT → S+09
8-2 CONTACT → S+11
9-3 CONTACT → S+11

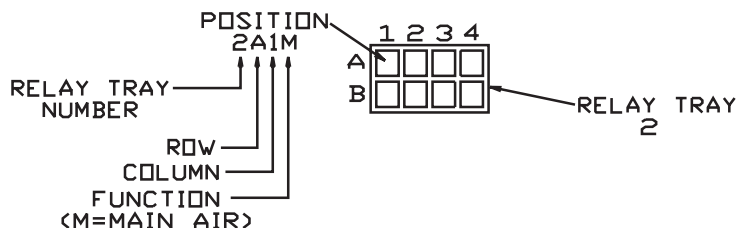
NORMALLY OPEN CONTACTS
7-4 CONTACT → S+11
8-5 CONTACT → S+11
9-6 CONTACT → S+11

INDICATES CONTACT IS NOT USED

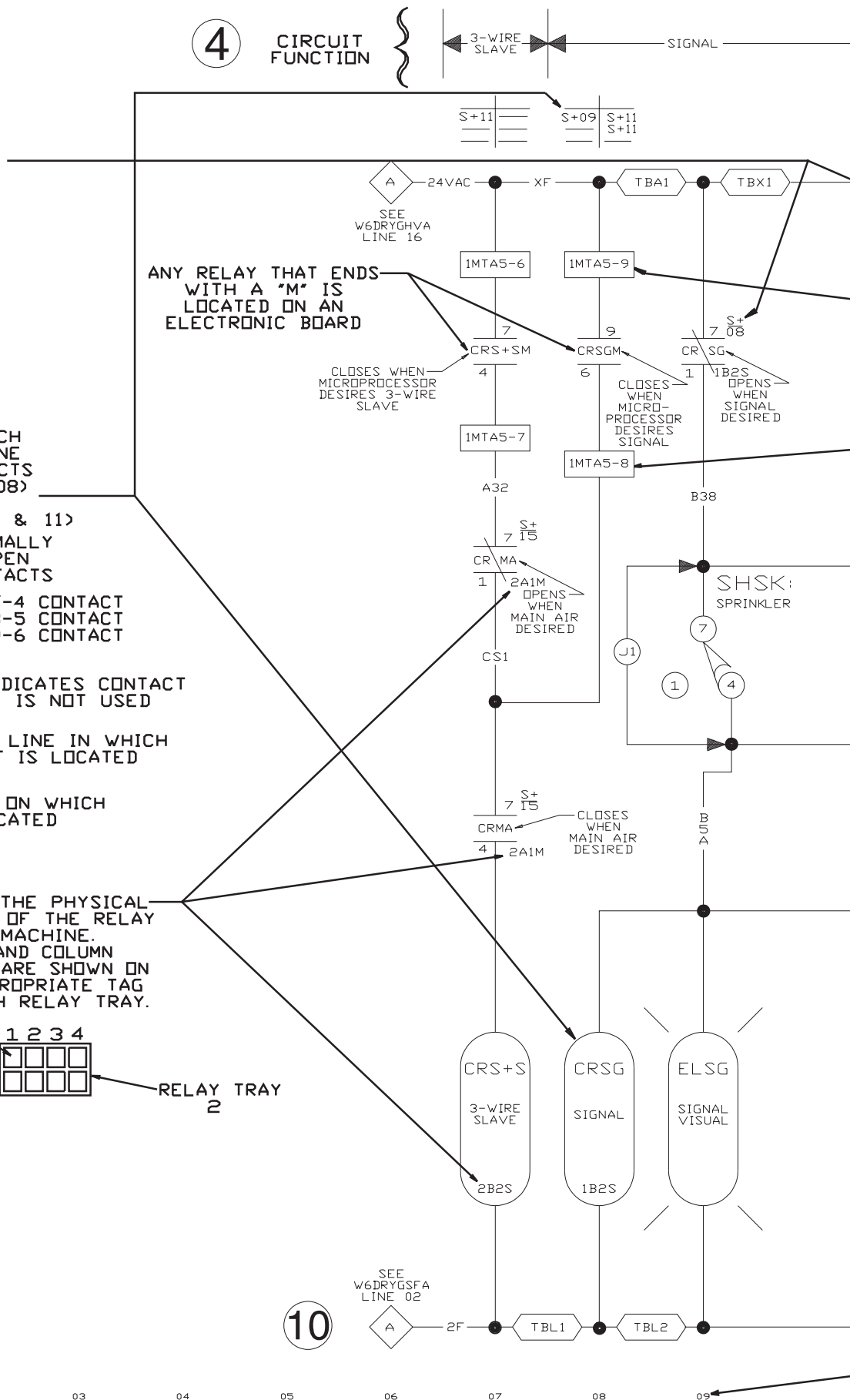
INDICATES LINE IN WHICH CONTACT IS LOCATED

INDICATES DRAWING ON WHICH CONTACT IS LOCATED

7 THIS IS THE PHYSICAL LOCATION OF THE RELAY ON MACHINE. ROW AND COLUMN NUMBERS ARE SHOWN ON THE APPROPRIATE TAG FOR EACH RELAY TRAY.

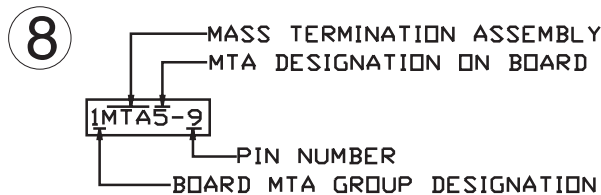
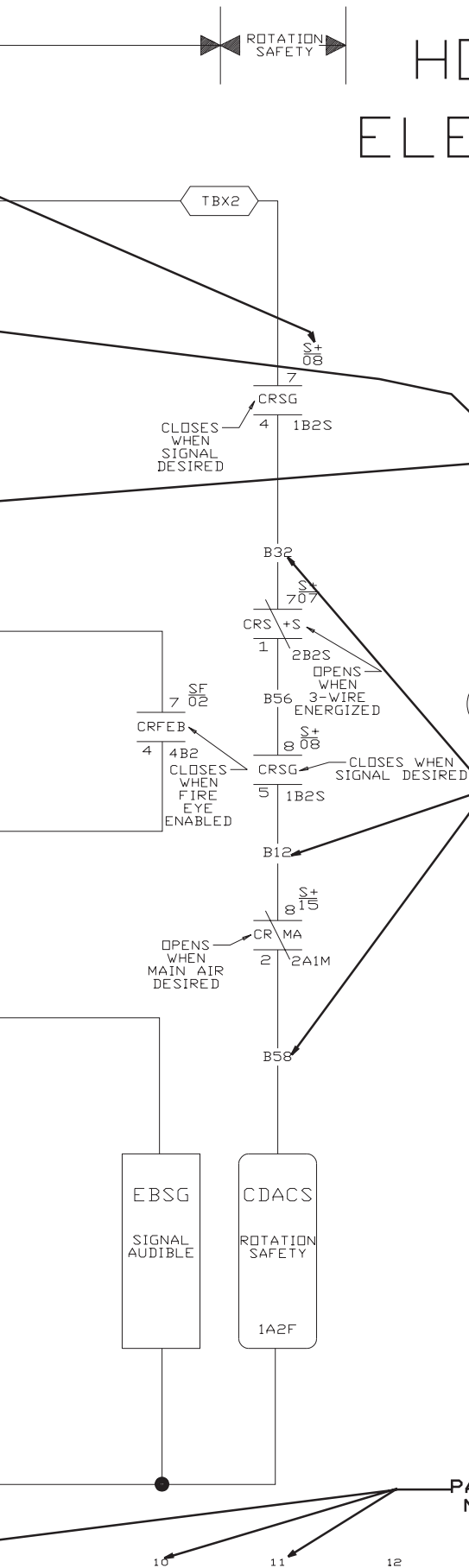


10

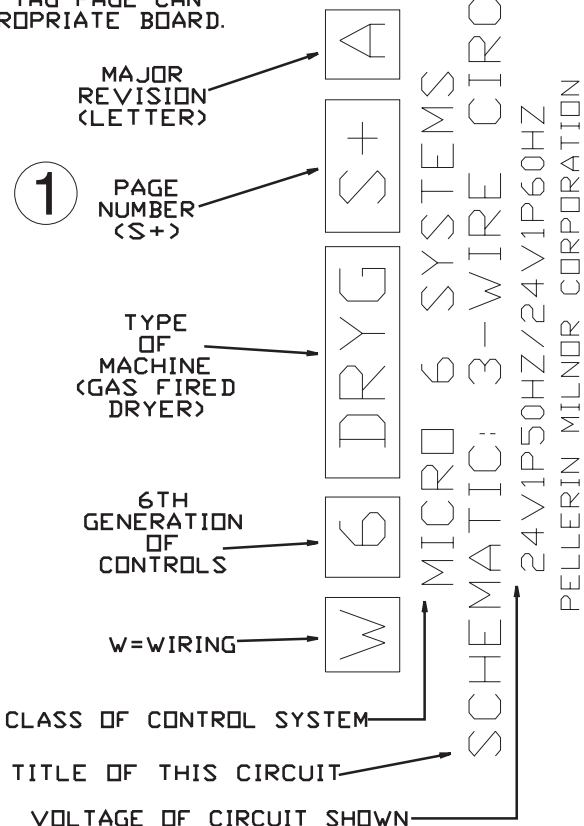
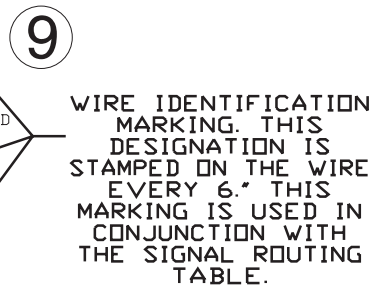


HOW TO READ MILNOR ELECTRICAL SCHEMATICS

W6DRYGS+A
93226D



AN MTA IS A CONNECTION ON AN ELECTRONIC CIRCUIT BOARD. THE NOTES AND THE TAG PAGE CAN LOCATE THE APPROPRIATE BOARD.



NOTES:

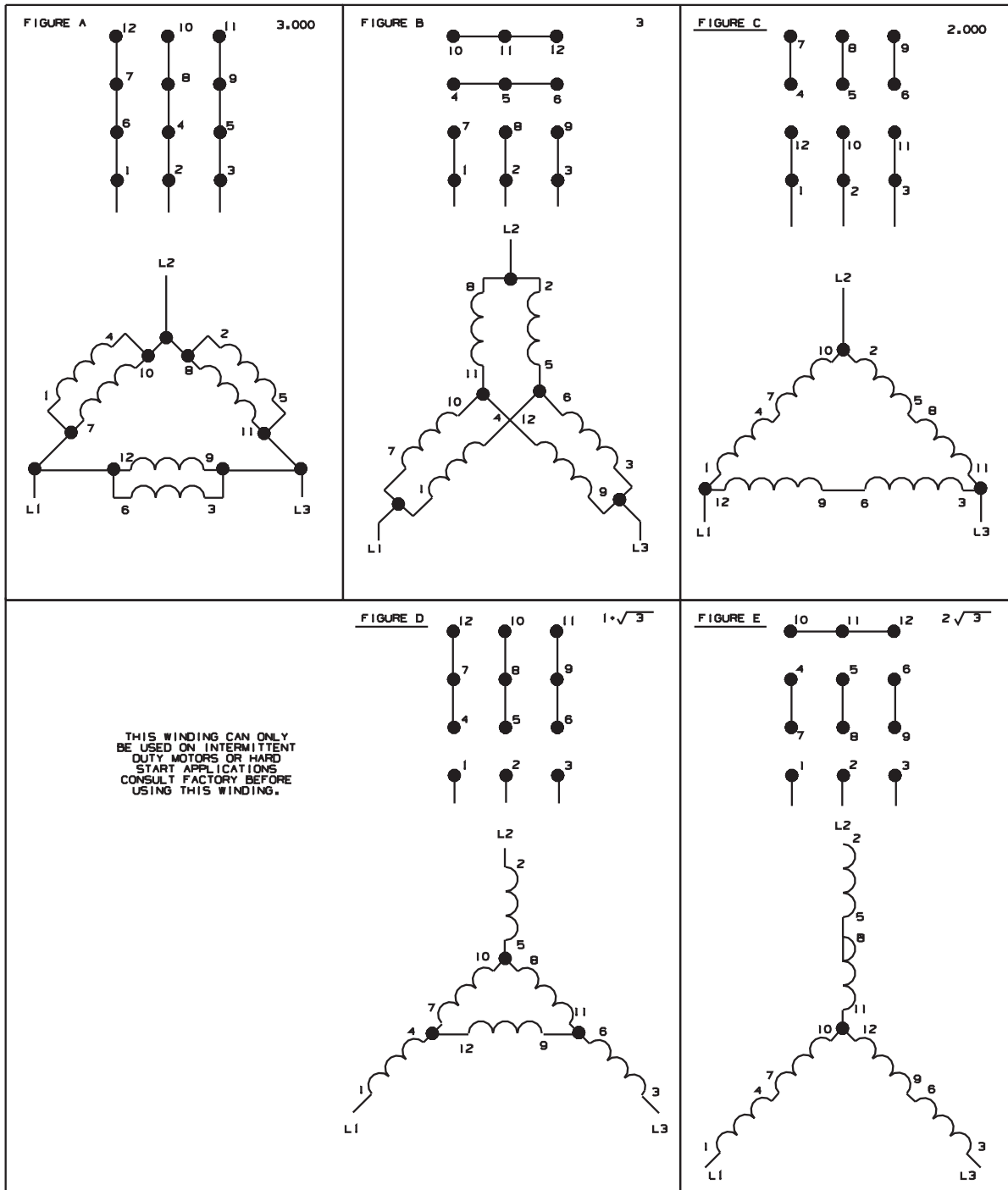
1. TBL IS LOCATED IN LEFT CONTROL BOX.
2. TBA IS LOCATED IN RIGHT CONTROL BOX.
3. TBX IS LOCATED IN LEFT CONTROL BOX.
4. 1MTA5 IS LOCATED ON BID1 (8 OUTPUT-16 INPUT BOARD).
5. REMOVE (J1) IF DRYER HAS VALVE SET SHUT OPTION.

PAGE LINE NUMBERS

3

W6DRYGS+A
93226D

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

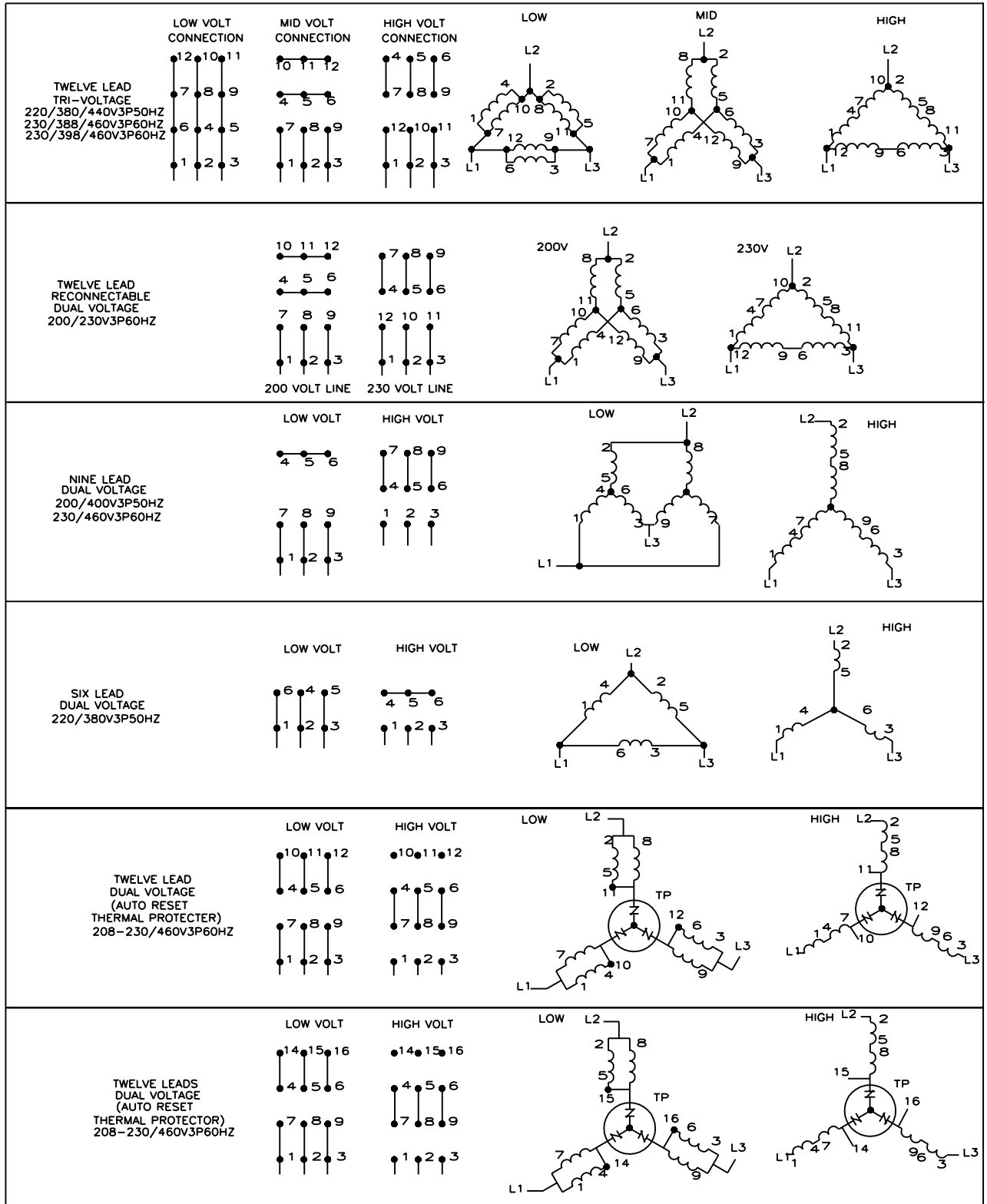
17

BMP850029

MOTOR CONNECTION DIAGRAMS

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

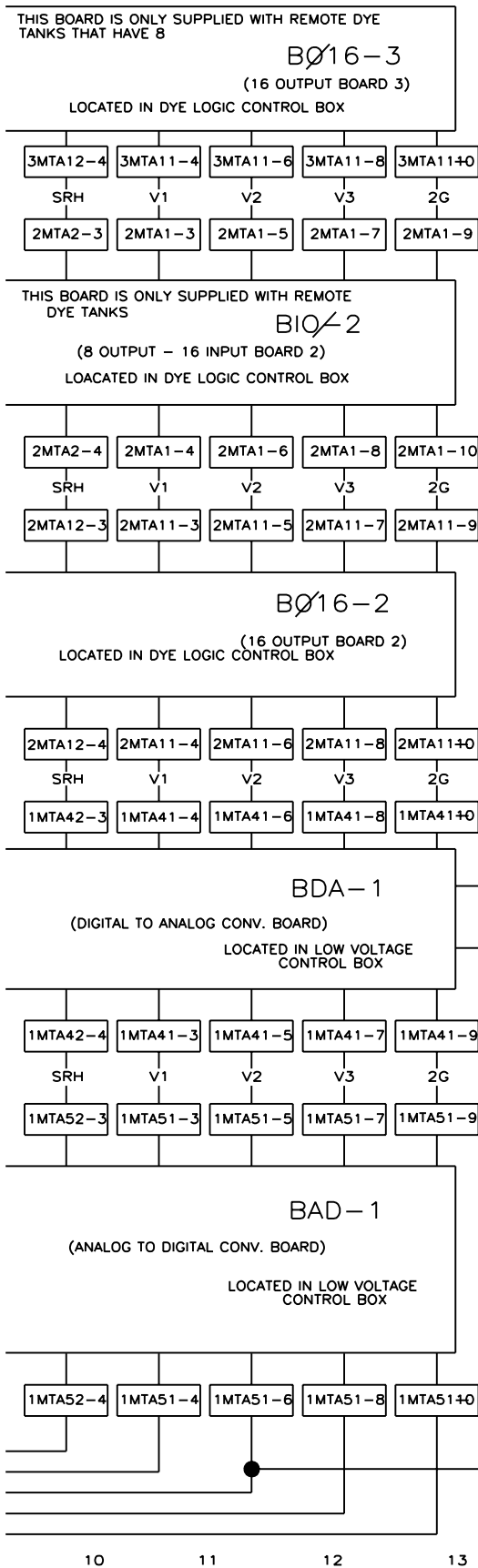
PELLERIN MILNOR CORPORATION



W80008

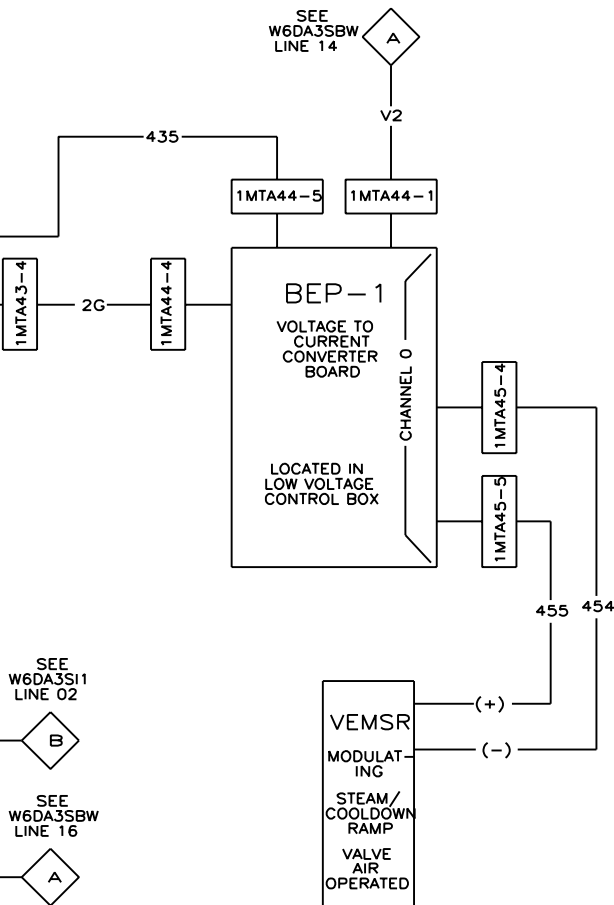
THREE PHASE
MOTOR CONNECTION DIAGRAMS
SINGLE SPEED MOTORS WITH MULTIPLE VOLTAGE RATINGS
PELLERIN MILNOR CORPORATION

W80008
2001253A



NOTES:

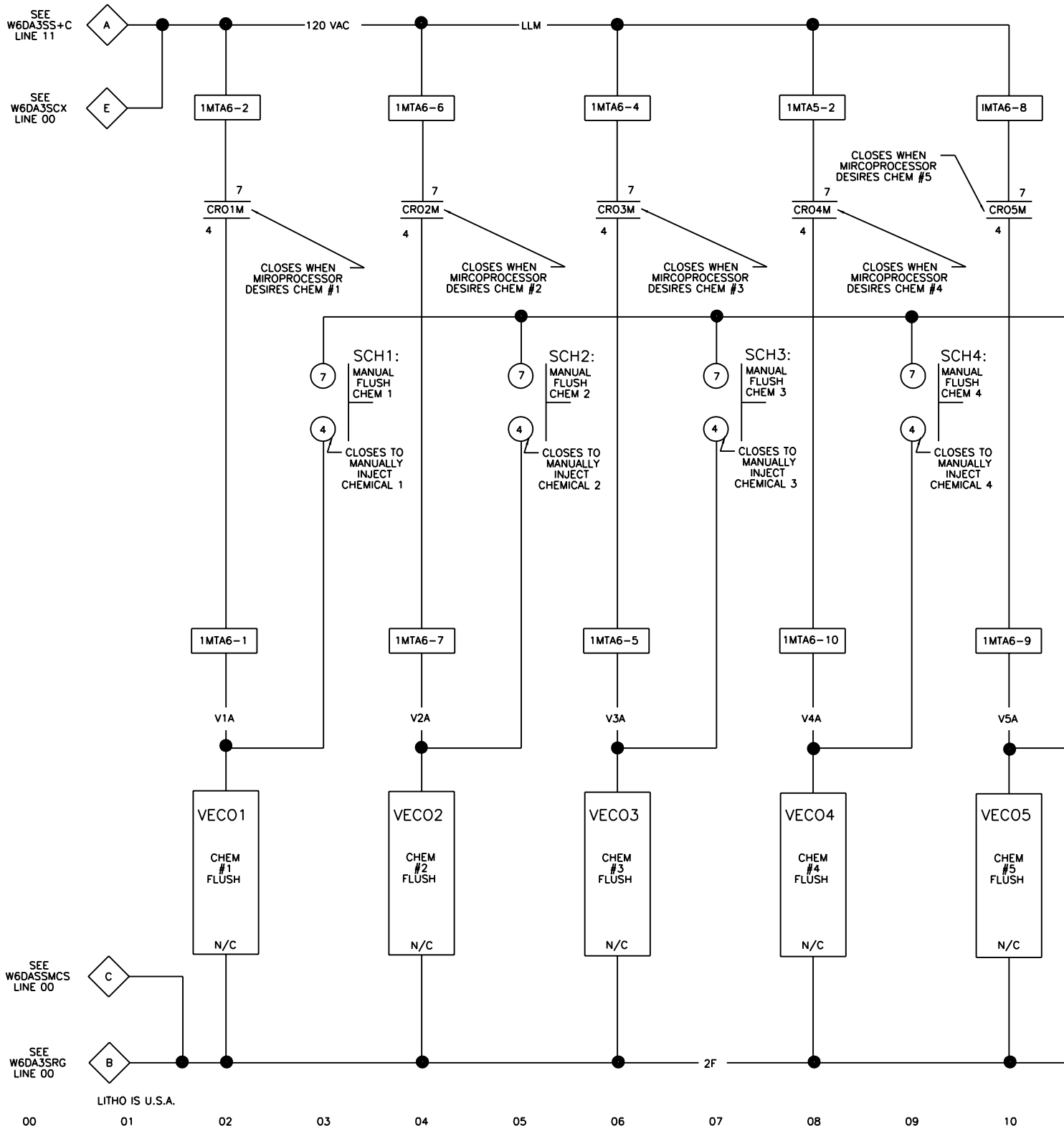
WIRE NO.	VOLTAGE	WIRE COLOR
V1	+5VDC	BLUE
V2	+12VDC	BLUE/ORANGE
V3	-12VDC	BLUE/BLACK
2G	GROUND	BLUE/WHITE
SRH	SERIAL HIGH	BLUE/RED
SRL	SERIAL LOW	BLUE/BLACK
INPUTS	—	BLUE/BLACK
—	24VAC	BLUE/RED
—	120VAC	RED
2F	CONTROL GND.	RED/WHITE

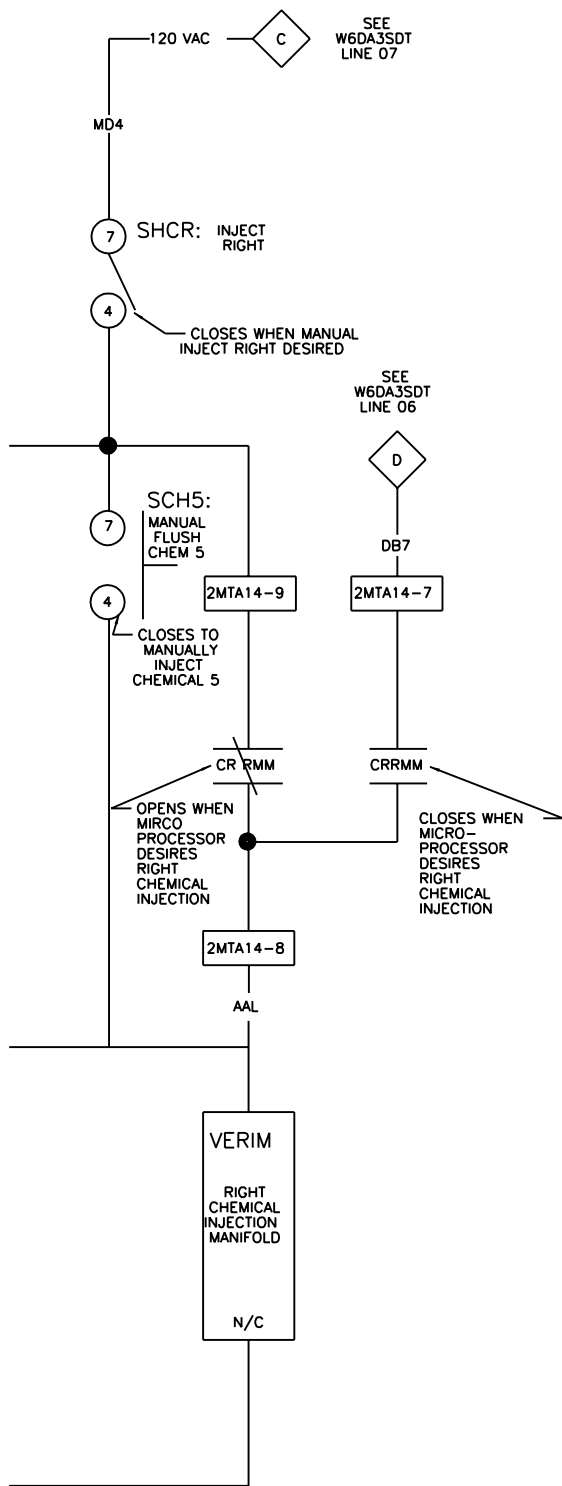


W6DA3SBW
TEXTILE DYE MACHINES (SERIAL CONTROLS)
MICRO 6 SYSTEMS
SCHEMATIC: 186PROCESSOR BD TO BD WIRING
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

W6DA3SBW
2001334B

W6DA3SBW
2001334B

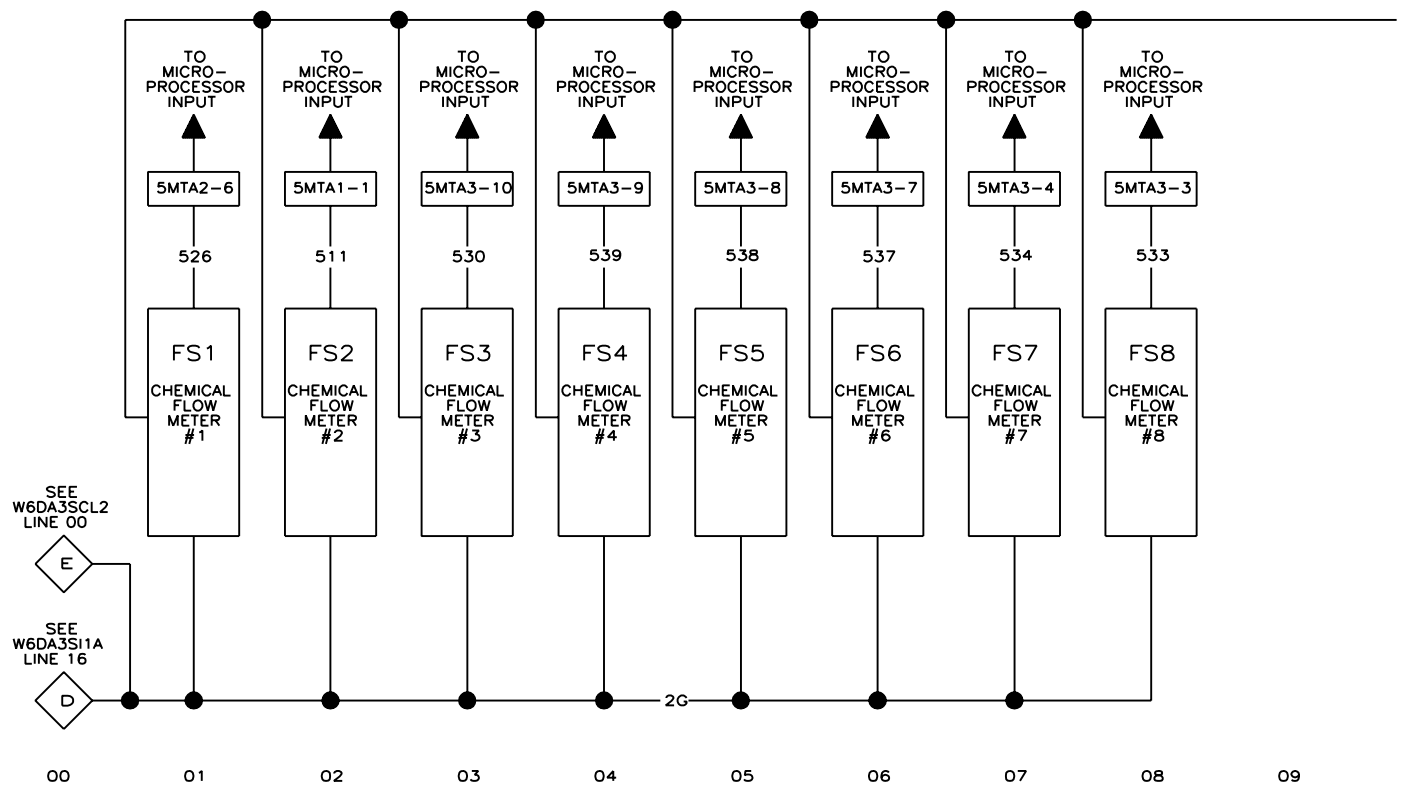
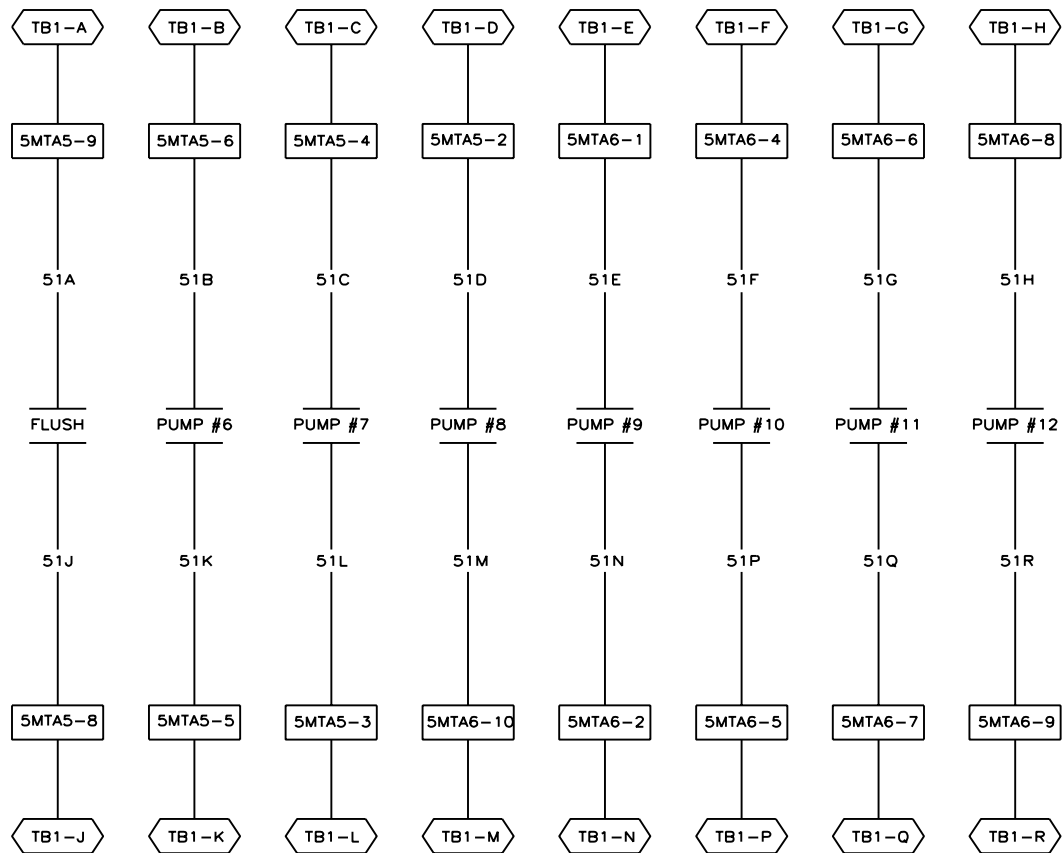




W6DA3SCF

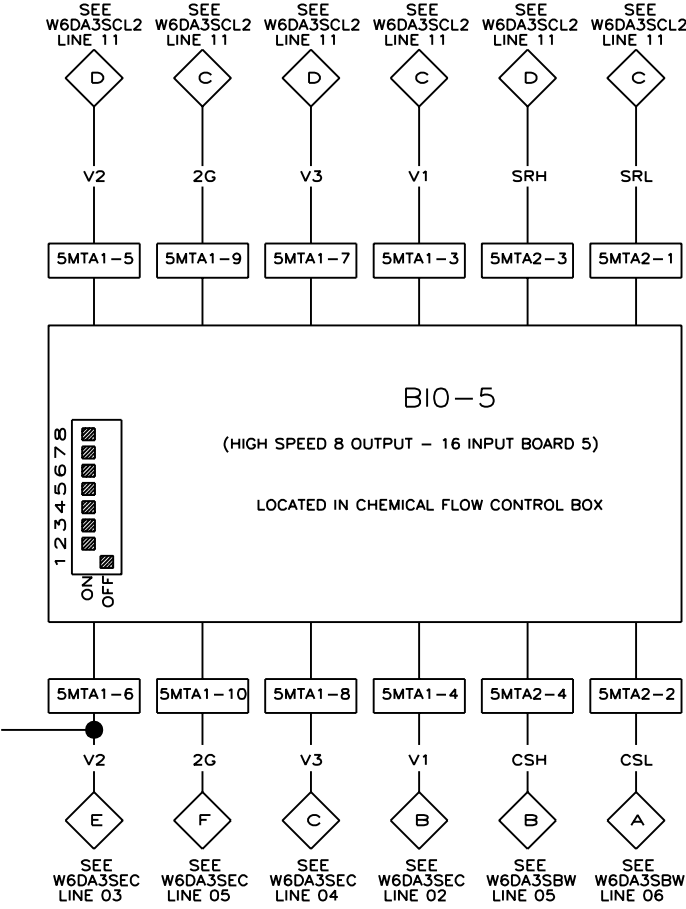
OPEN POCKET ATMOSPHERIC DYE MACHINES (SERIAL CONTROLS) MARK III MICRO 6 SYSTEMS SCHEMATIC: FLUSHING SUPPLIES

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

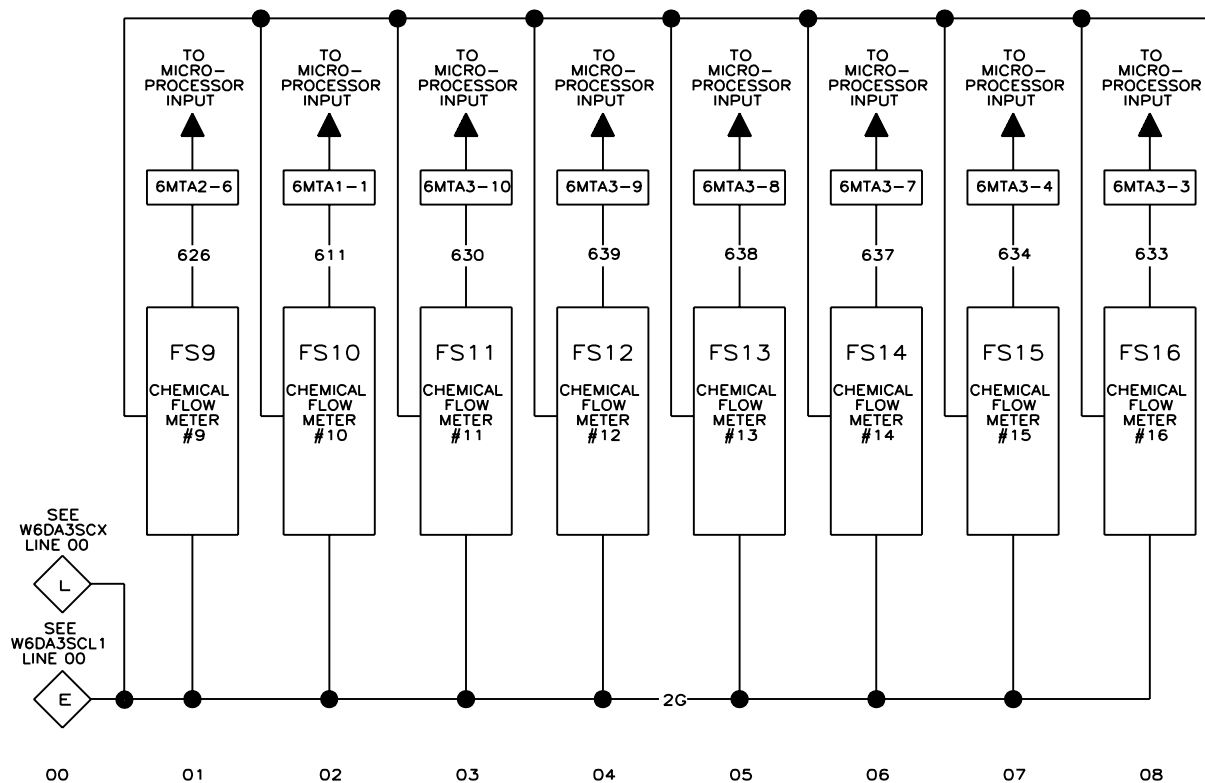
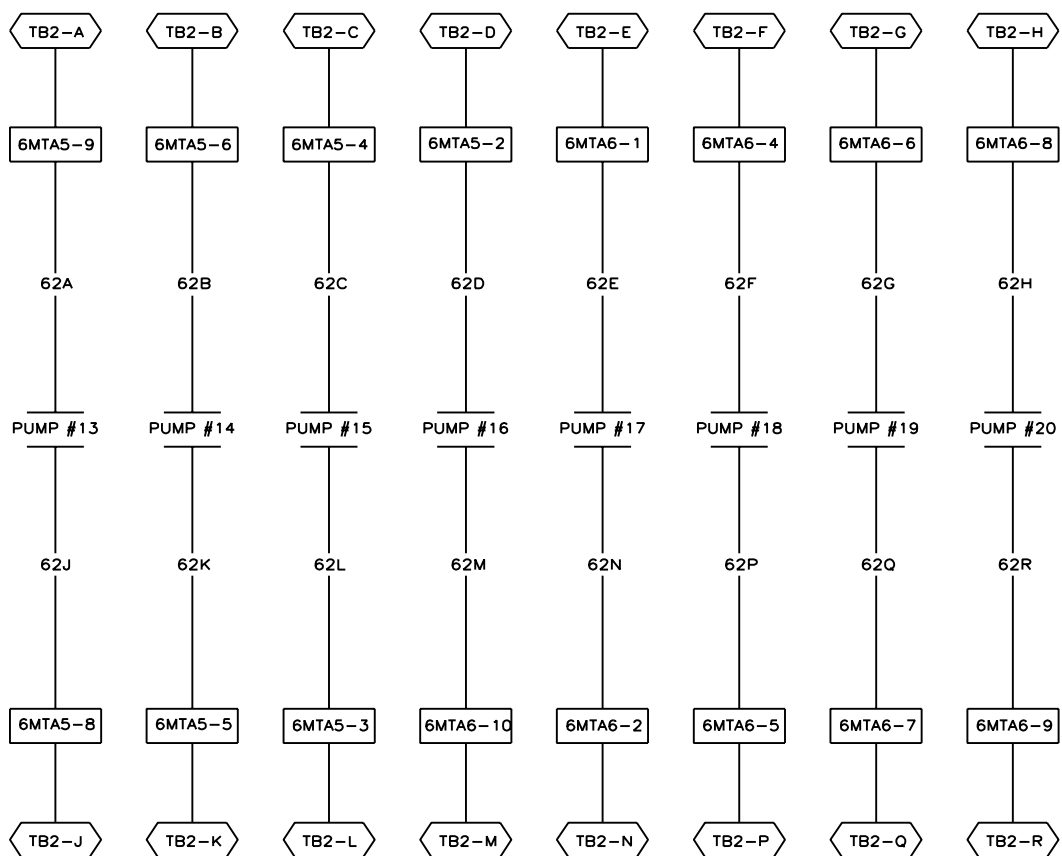


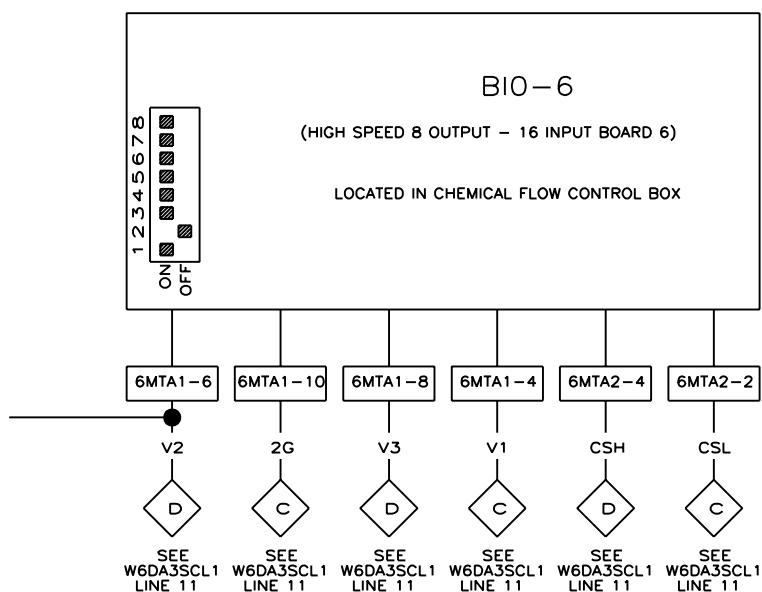
SEE
W6DA3SCL2
LINE 00

SEE
W6DA3SI1A
LINE 16



W6DA3SCL1
MICRO 6 SYSTEMS
MARK III
SCHEMATIC: CHEMICAL FLOW I/O BOARD #5
PELLERIN MILNOR CORPORATION



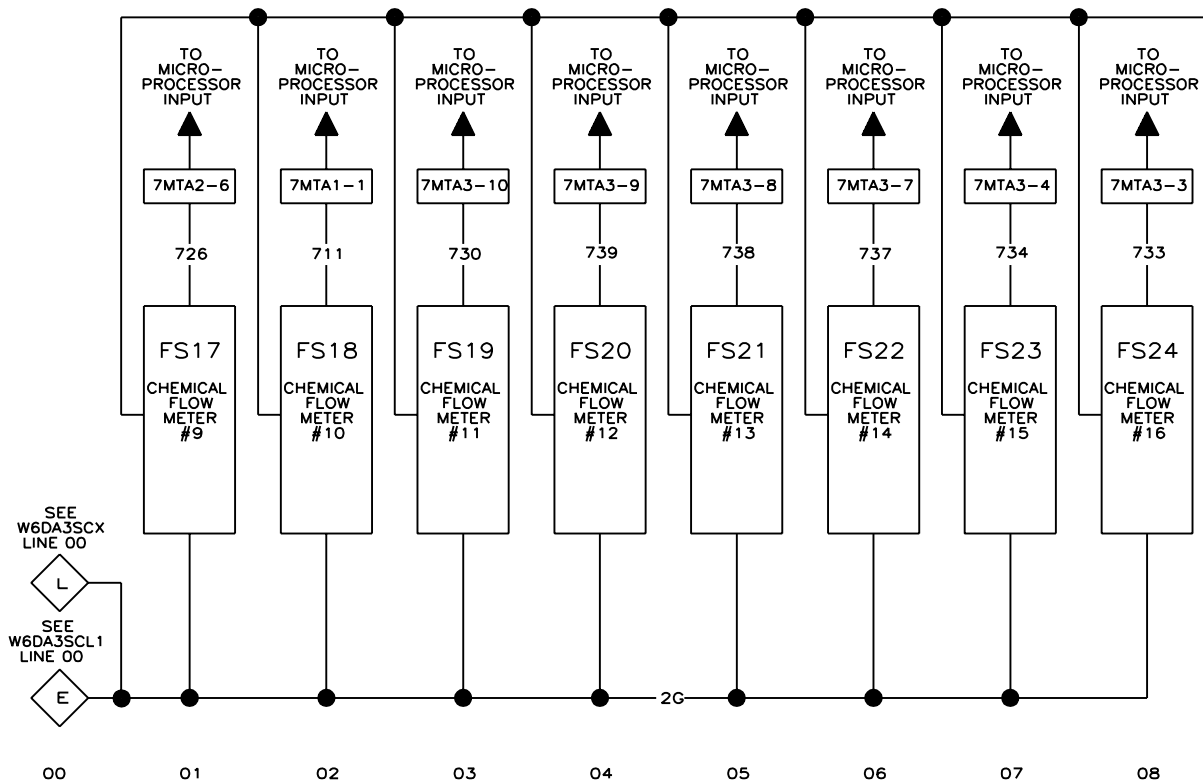
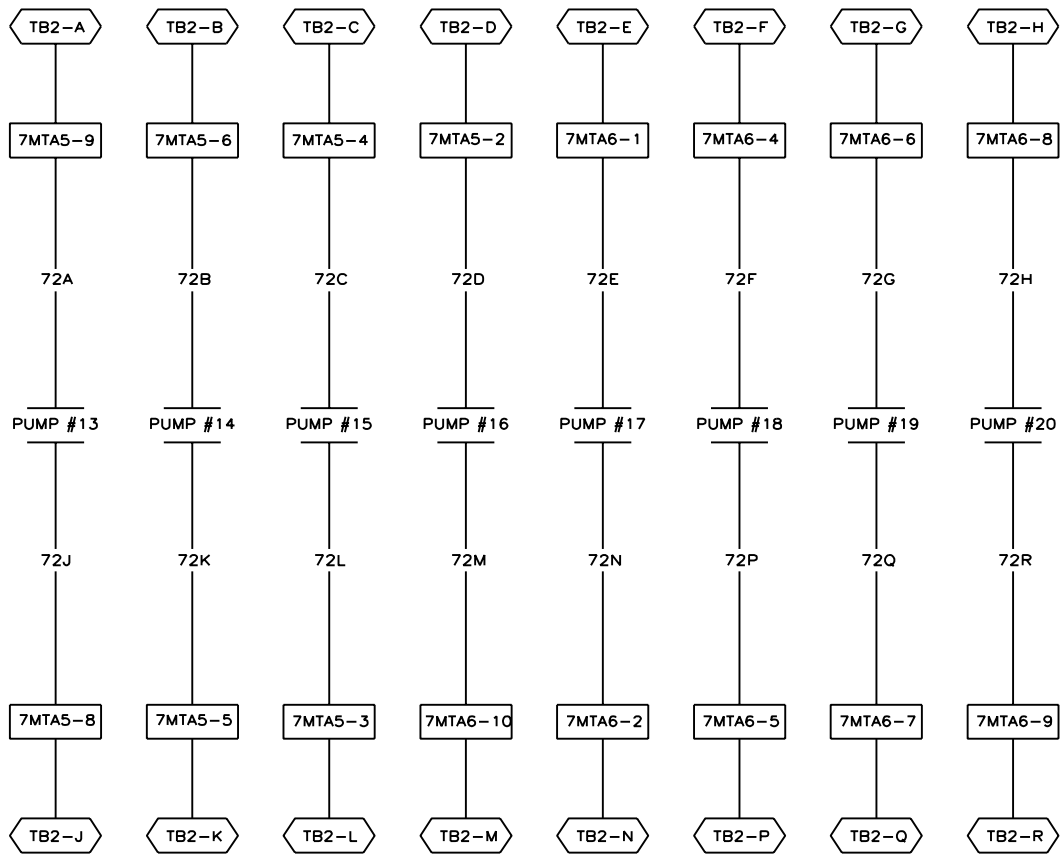


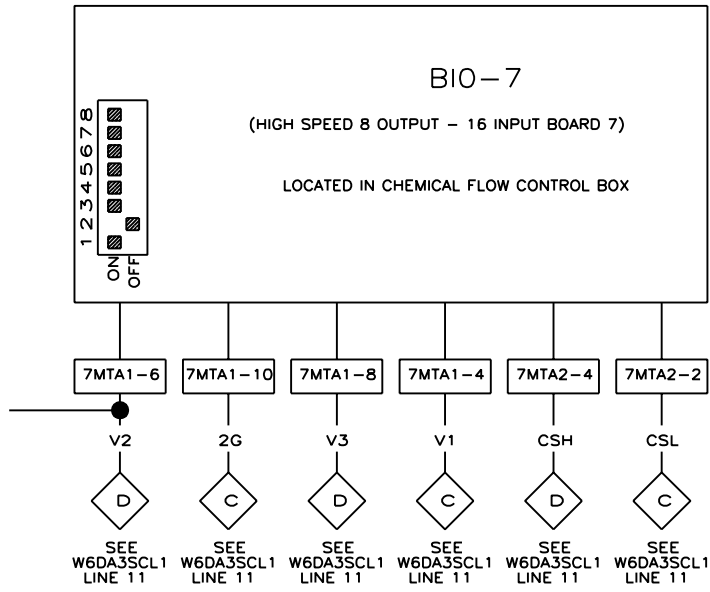
W6DA3SCL2

MICRO 6 SYSTEMS

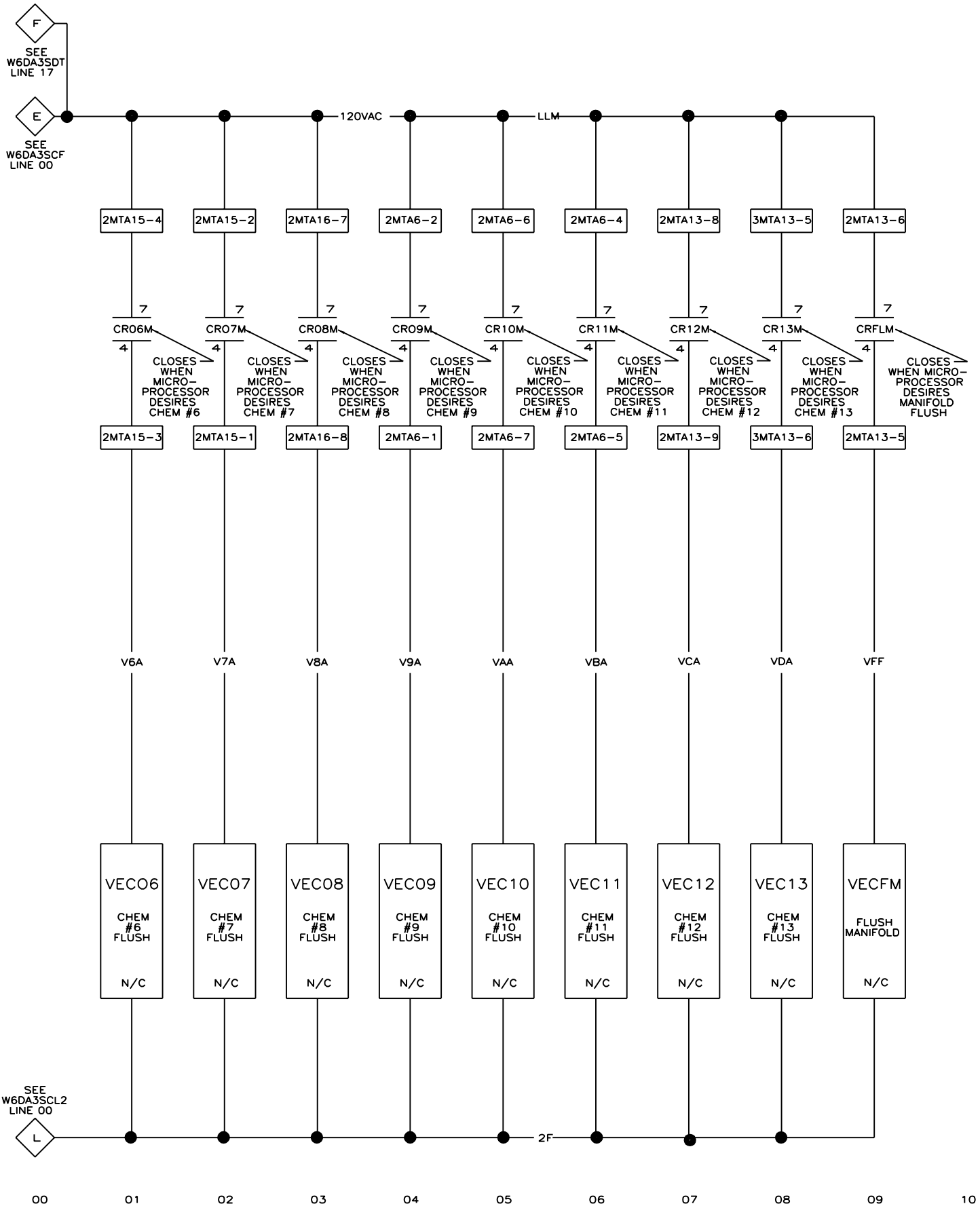
MARK III

SCHEMATIC: CHEMICAL FLOW I/O BOARD #6
PELLERIN MILNOR CORPORATION

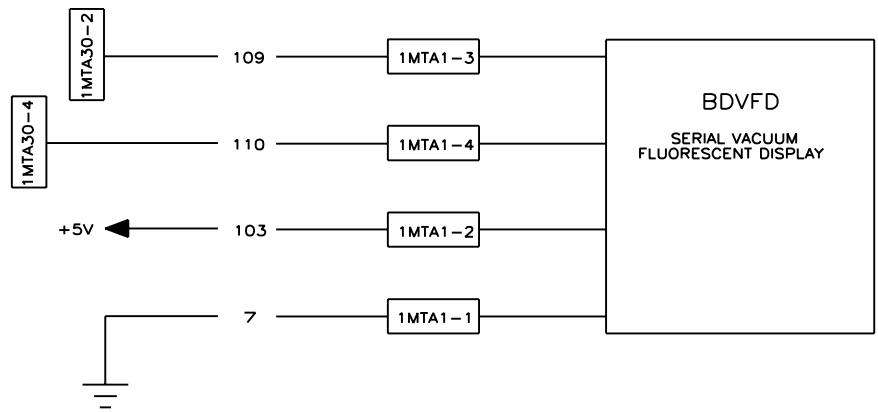




W6DA3SCL3
MICRO 6 SYSTEMS
MARK III
SCHEMATIC: CHEMICAL FLOW I/O BOARD #7
PELLERIN MILNOR CORPORATION



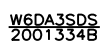
W6DA3SCX
TEXTILE DYE MACHINE SERIAL CONTROLS
MARKIII
SCHEMATIC: CENTRAL LIQUID SUPPLY
FLUSH 6 THRU 15
PELLERIN MILNOR CORPORATION

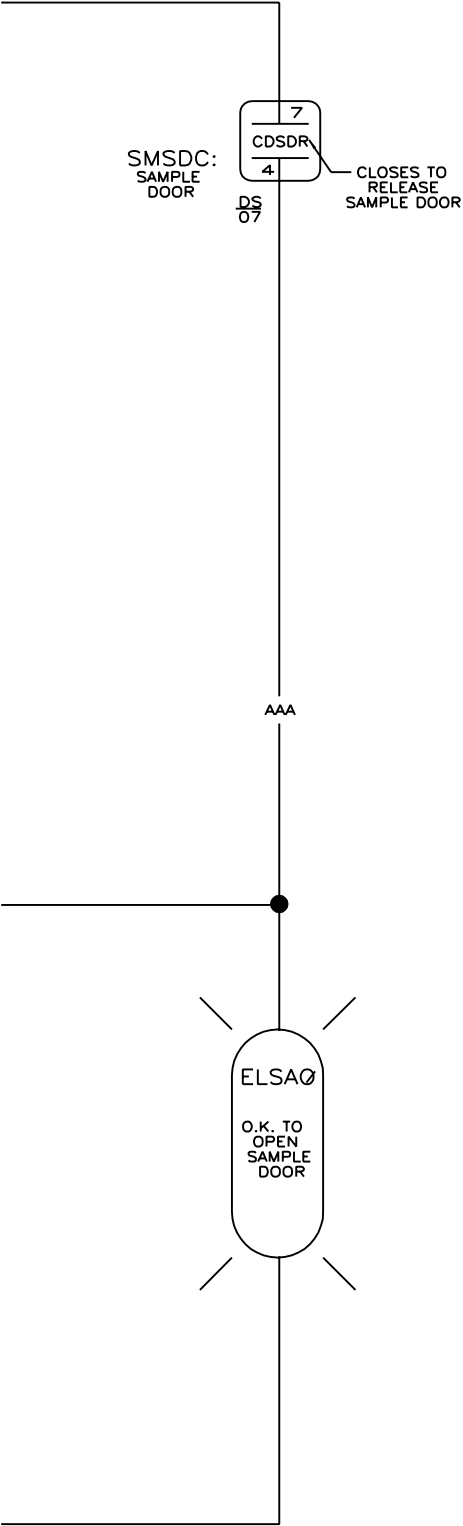


NOTES

1. 1MTA30, IS LOCATED ON
BPB (PROCESSOR BOARD).
2. 1MTA1 IS LOCATED ON
DISLAY BOARD.

W6DA3SDPA
TEXTILE DYE MACHINE SERIAL CONTROLS
MARKIII
SCHEMATIC: 186 PROCESSOR SERIAL DISPLAY
PELLERIN MILNOR CORPORATION



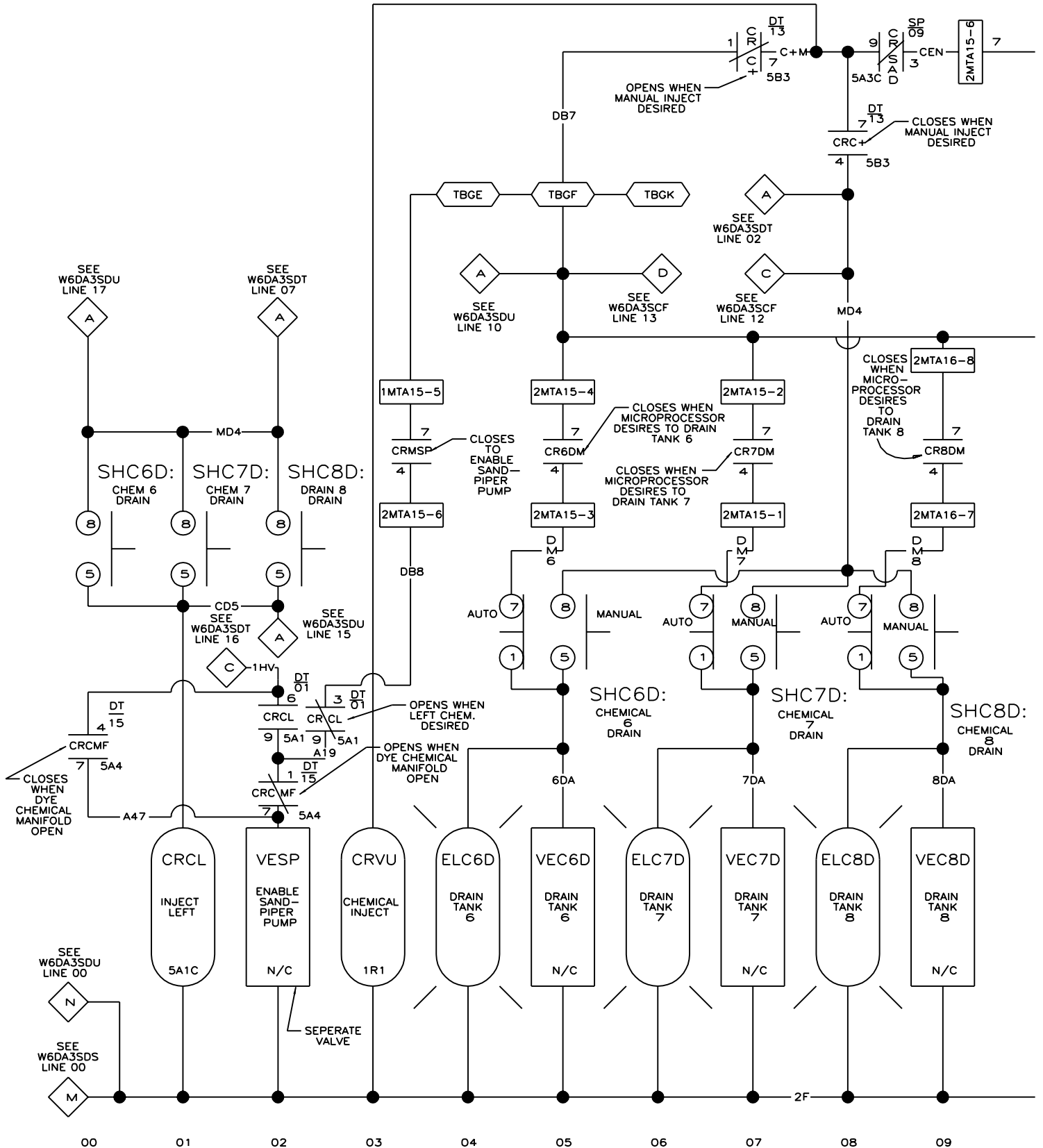


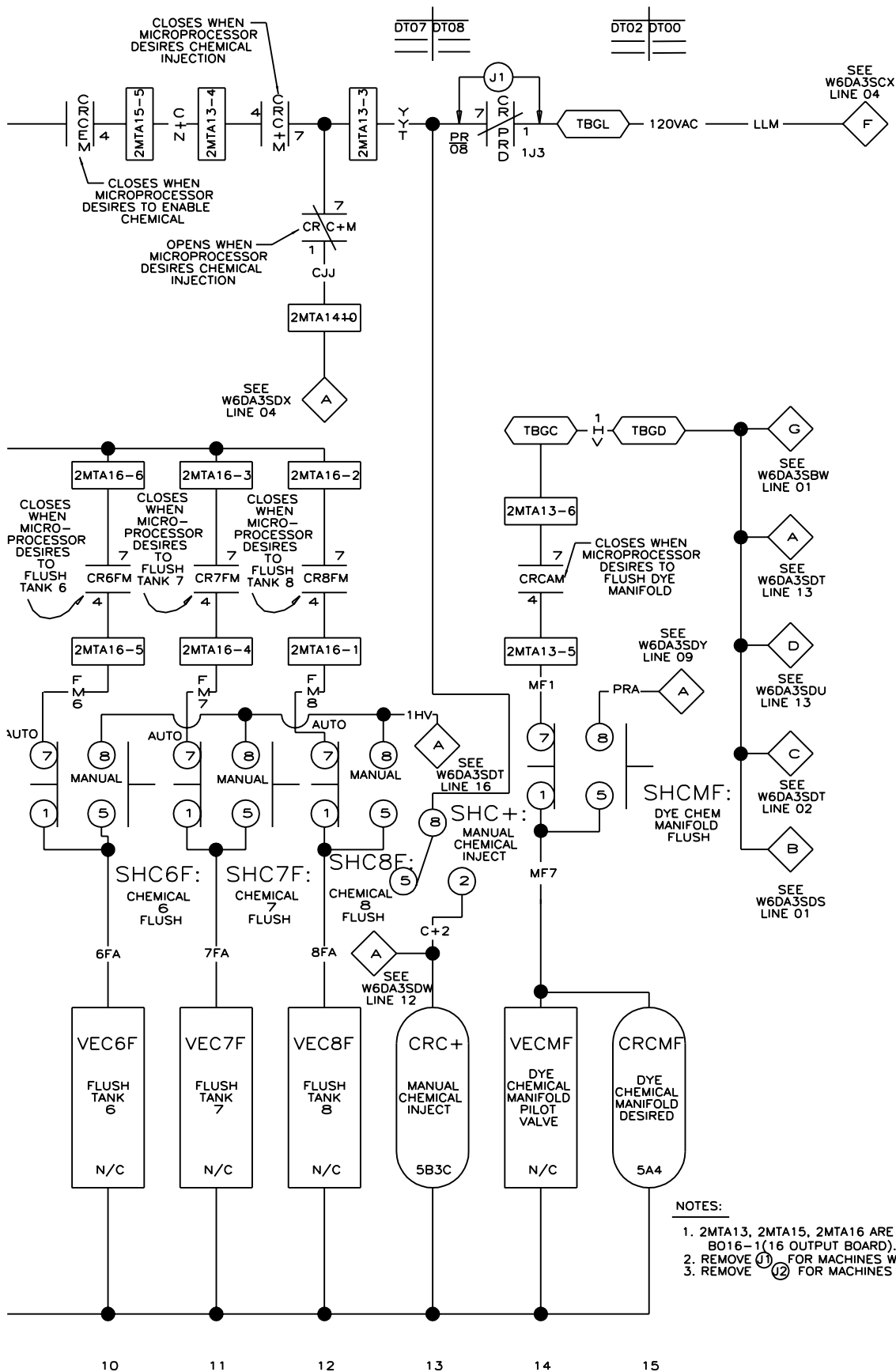
NOTES:
1. REMOVE (J1) FOR PRESSURE MACHINE

W6DA3SDS
OPEN POCKET ATMOSPHERIC DYE MACHINE
(SERIAL CONTROLS) MARK III
MICRO 6 SYSTEMS
SCHEMATIC: DOOR SAMPLE
PELLERIN MILNOR CORPORATION

MC10 MC09
MC11
DT03 DT02

ST03





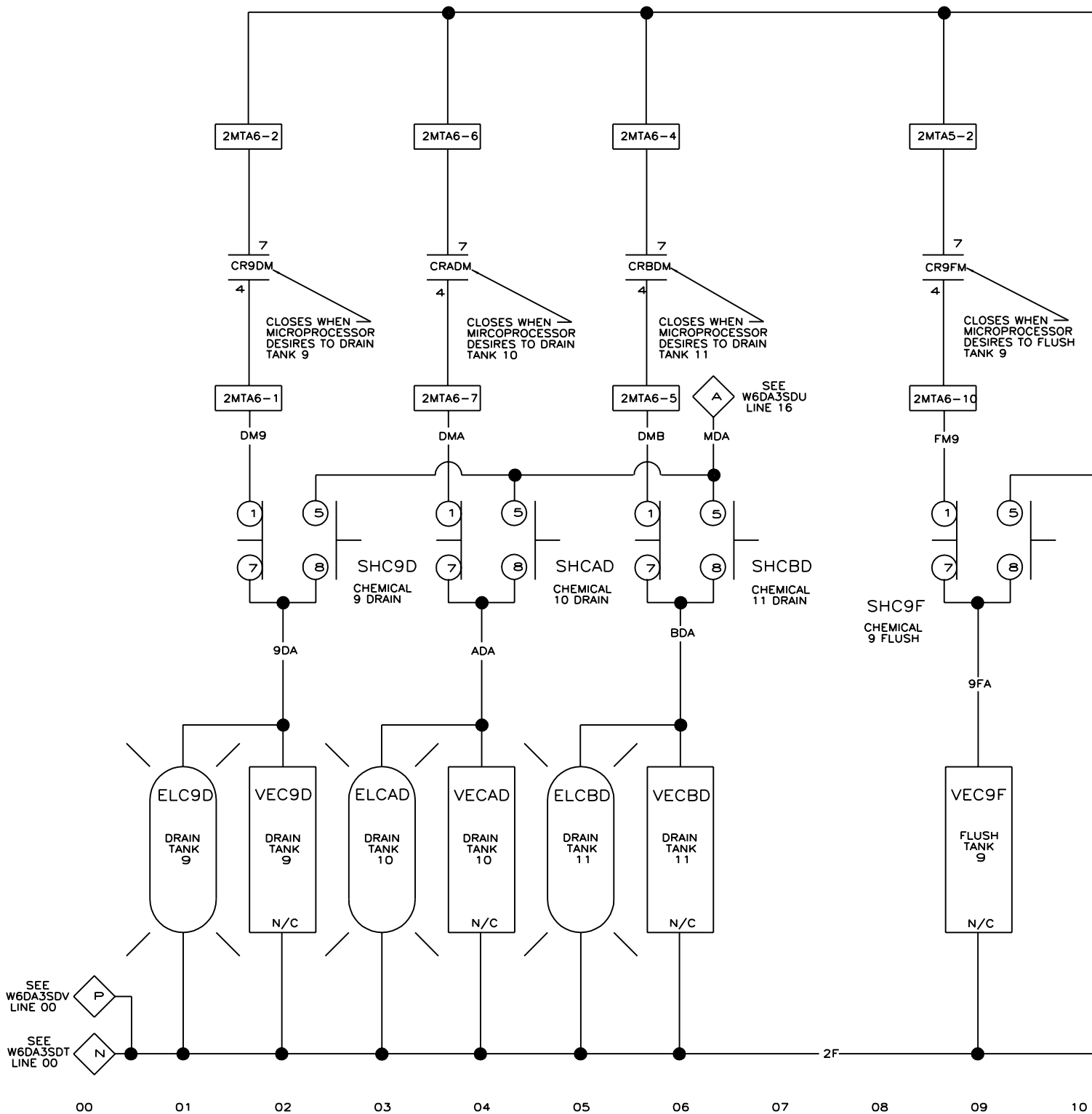
NOTES:

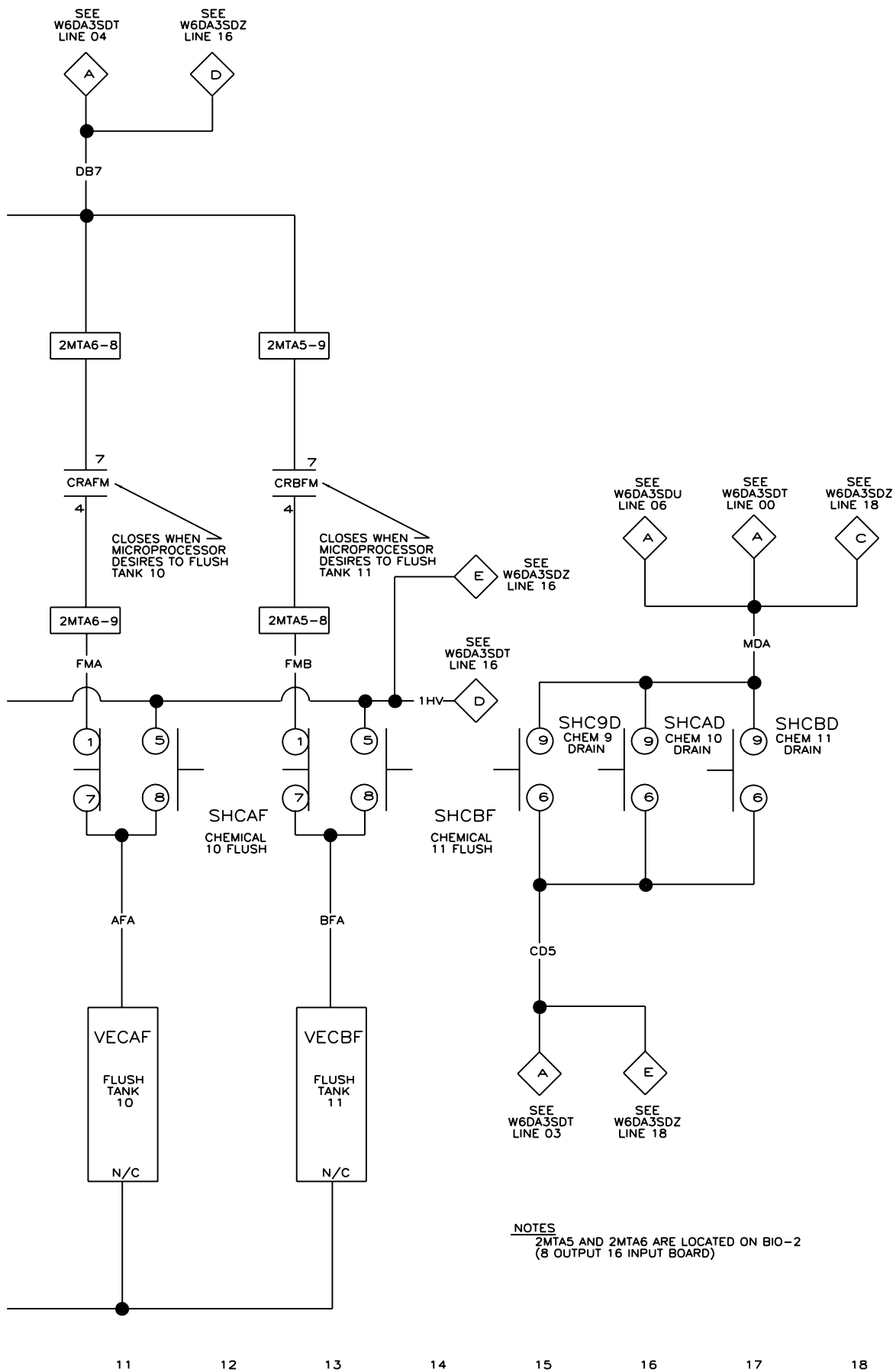
1. 2MTA13, 2MTA15, 2MTA16 ARE LOCATED ON BO16-1(16 OUTPUT BOARD).
2. REMOVE ① FOR MACHINES WITH PRESSURE.
3. REMOVE ② FOR MACHINES WITH FILTER DOOR.

W6DA3SDT

OPEN POCKET ATMOSPHERIC DYE MACHINES MICRO 6 SYSTEMS (SERIAL CONTROLS) SCHEMATIC: DYE TANKS

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION





W6DA3SDU

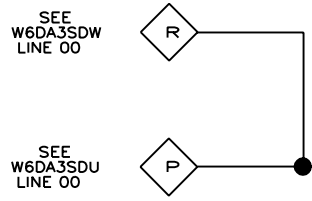
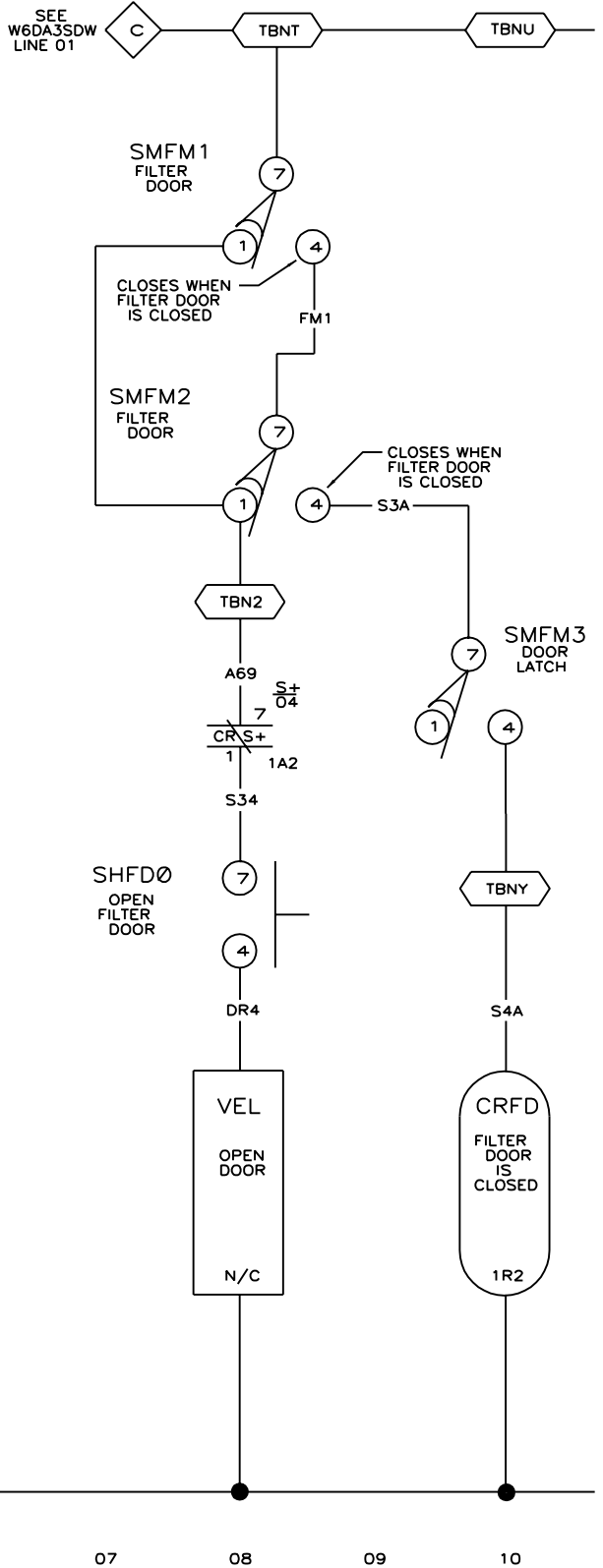
OPEN POCKET ATMOSPHERIC DYE MACHINE

SERIAL CONTROLS MARK III

MIRCO 6 SYSTEMS

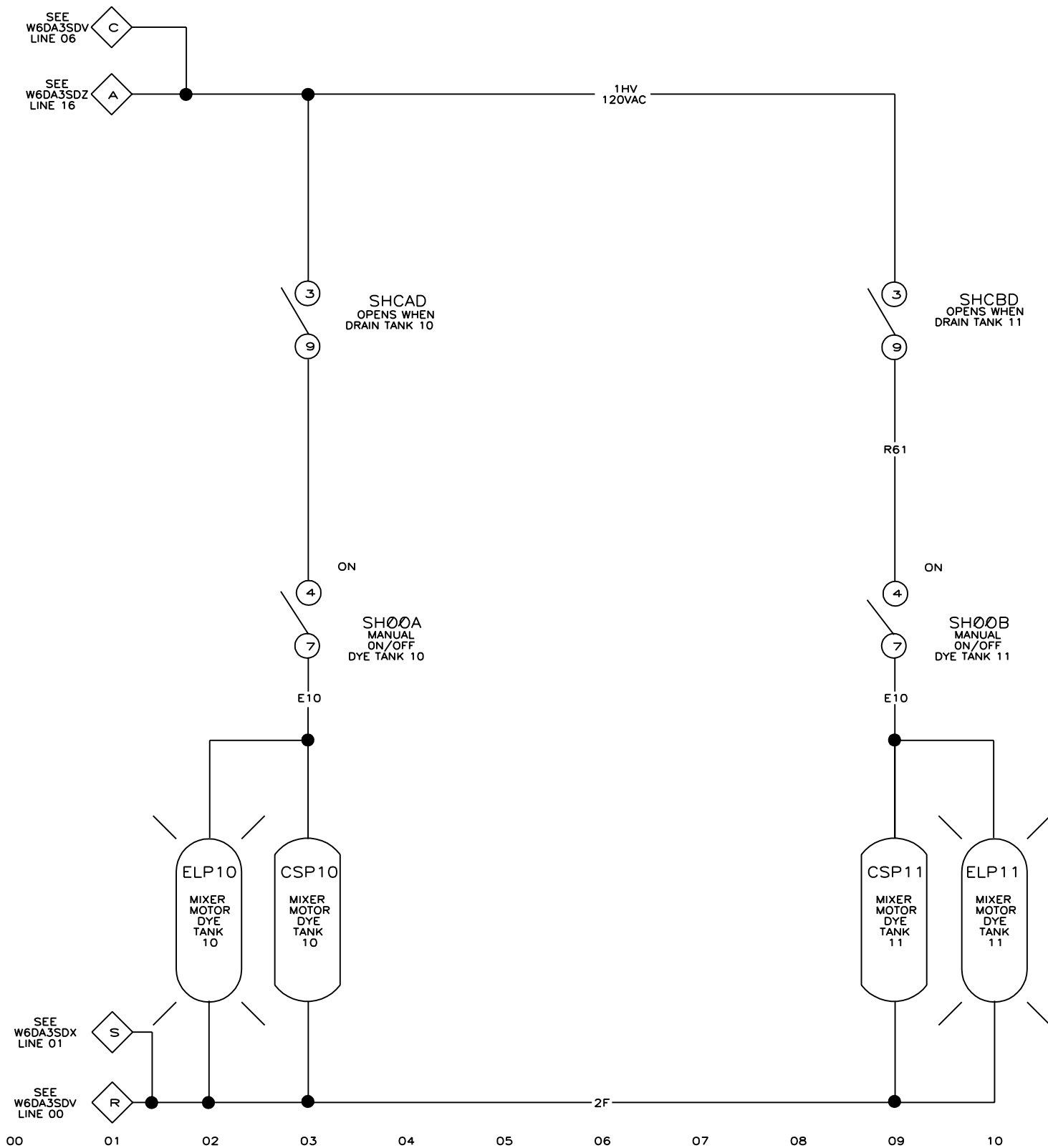
SCHEMATIC: DYE TANKS DRAIN/FLUSH

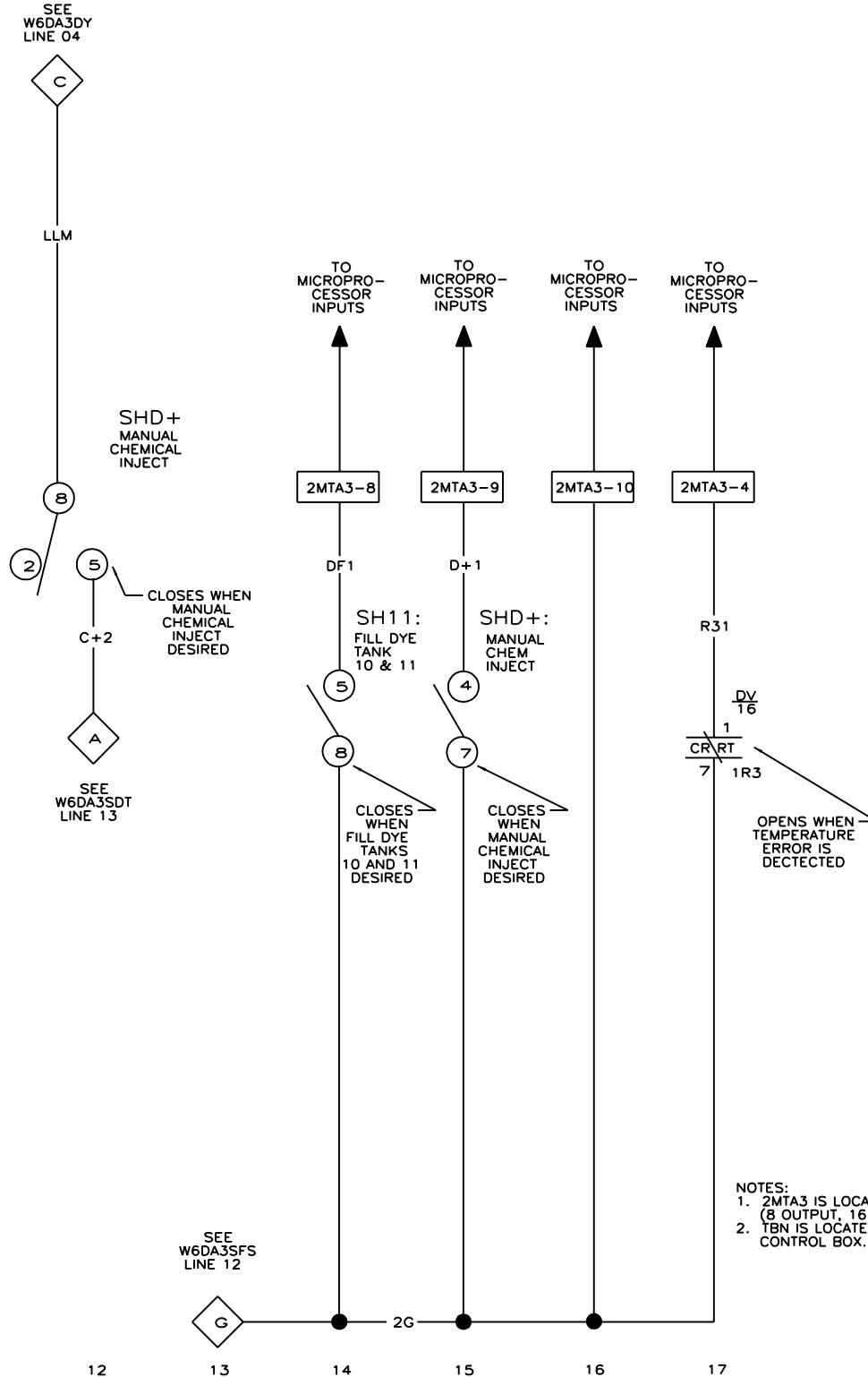
PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07 08 09 10







W6DA3SDW

OPEN POCKET ATMOSPHERIC DYE MACHINES (SERIAL CONTROLS) MARK III

MICRO 6 SYSTEMS

SCHEMATIC: DYE TANK MIXER MOTORS

PELLERIN MILNOR CORPORATION

DY05
ST03

SEE
W6DA3SDT
LINE 11



CJJ

2MTA14-5

7

CRDTM

4

2MTA14-6

LLZ

7

SH1:
ENABLE FILL
DYE TANKS

4

R4A

SH10:
ENABLE FILL
DYE TANK 10

7

4

F10

VEF10
FILL
TANK
10
N/C

SH11:
ENABLE FILL
DYE TANK 11

7

4

F11

VEF11
FILL
TANK
11
N/C

ELDTF
DYE
TANK
FILL
ENABLE

CRFDT
ENBALE
FILL
1RA

2F

2F

SEE
W6DA3SDY
LINE 01



SEE
W6DA3SDW
LINE 00



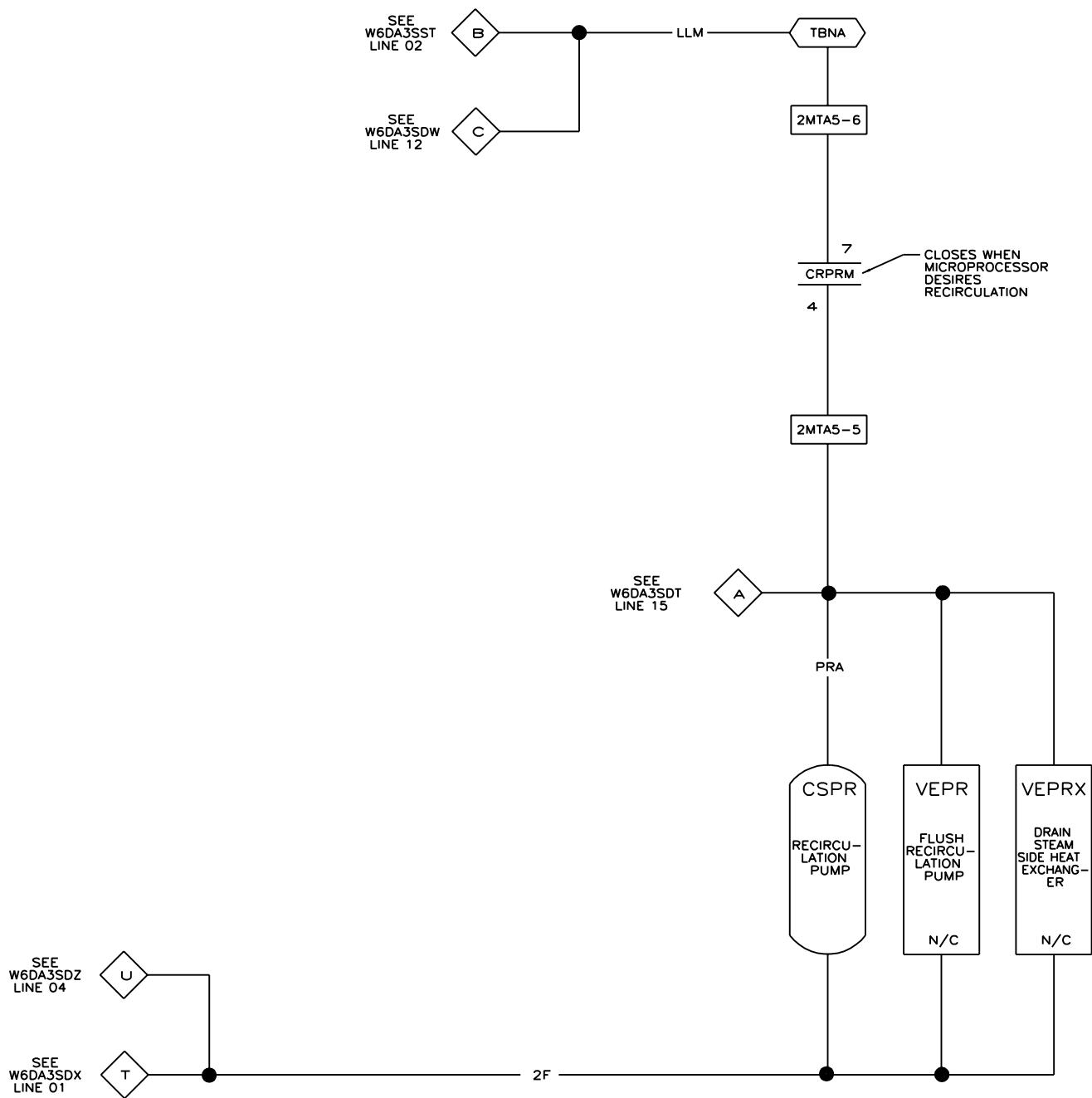
00 01 02 03 04 05 06 07 08 09 10

NOTES:

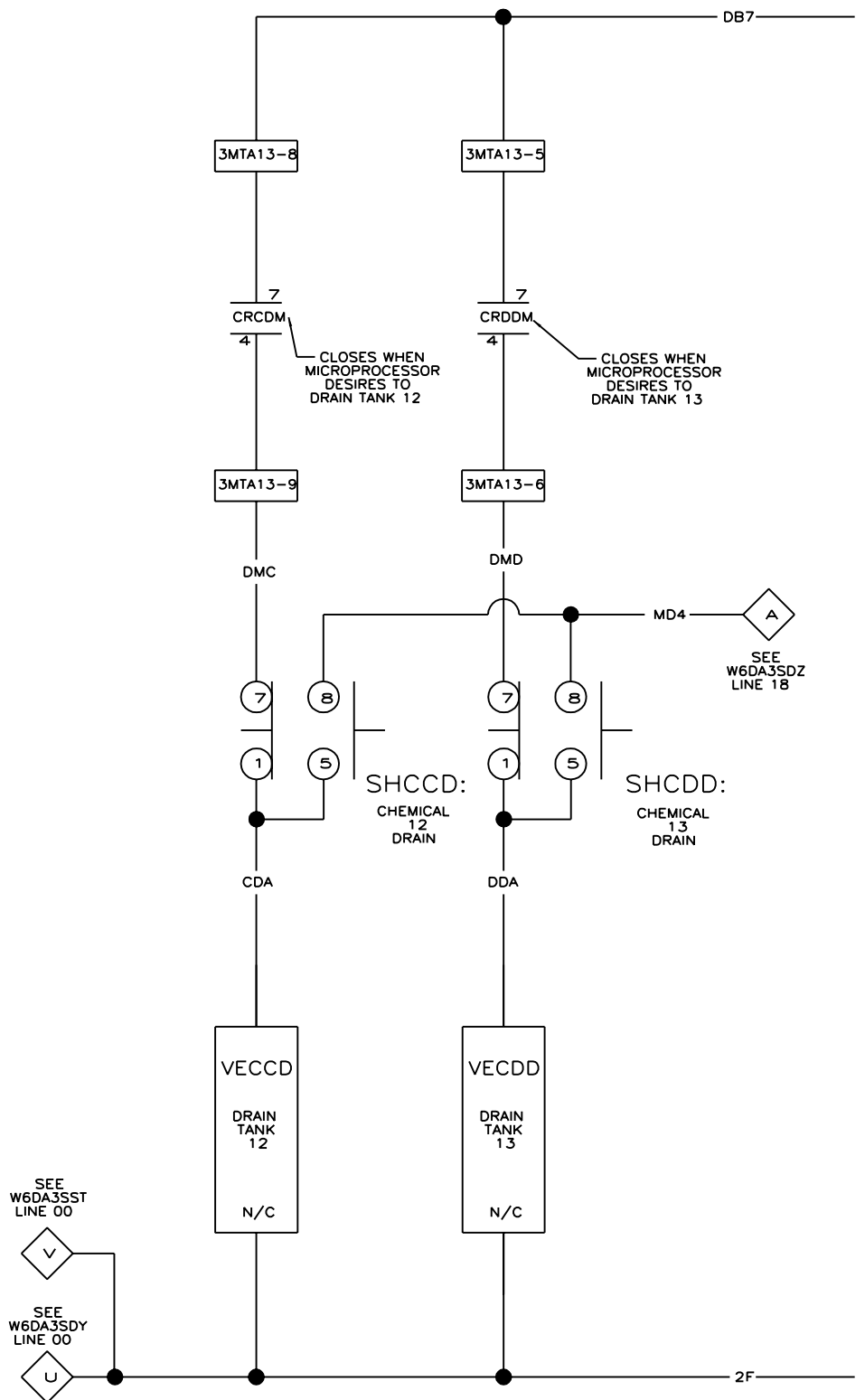
1. 2MTA14 IS LOCATED ON BIO-2
(16 OUTPUT BOARD).

W6DA3SDX

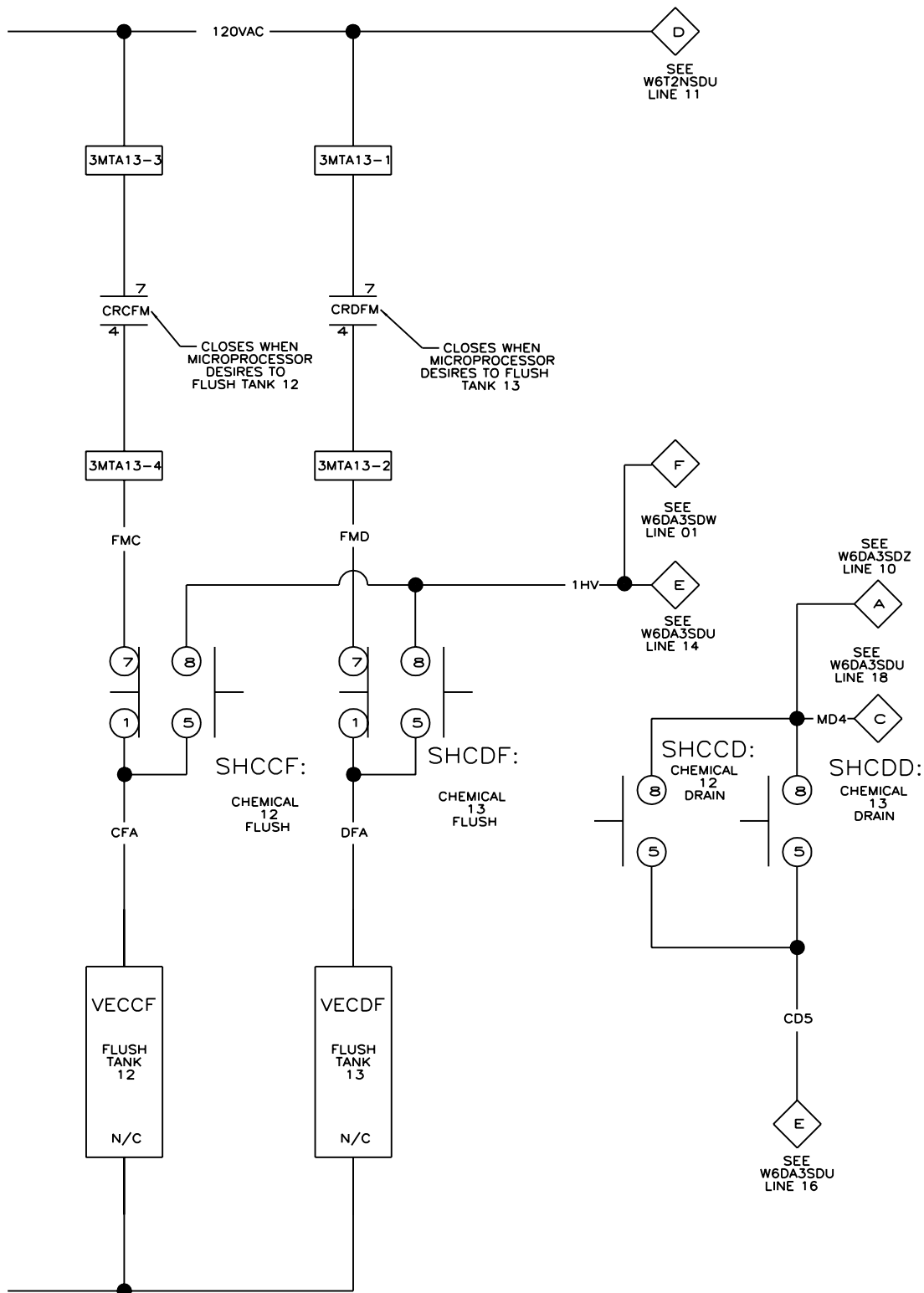
OPEN POCKET ATMOSPHERIC DYE MACHINES
(SERIAL CONTROLS) MARK III
MICRO 6 SYSTEMS
SCHEMATIC: DYE TANK FILL
PELLERIN MILNOR CORPORATION



W6DA3SDY
OPEN POCKET ATMOSPHERIC DYE MACHINES
(SERIAL CONTROLS)
MICRO 6 SYSTEMS
SCHEMATIC: RECIRCULATION (SINGLE FILTER)
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07 08 09 10



W6DA3SDZ

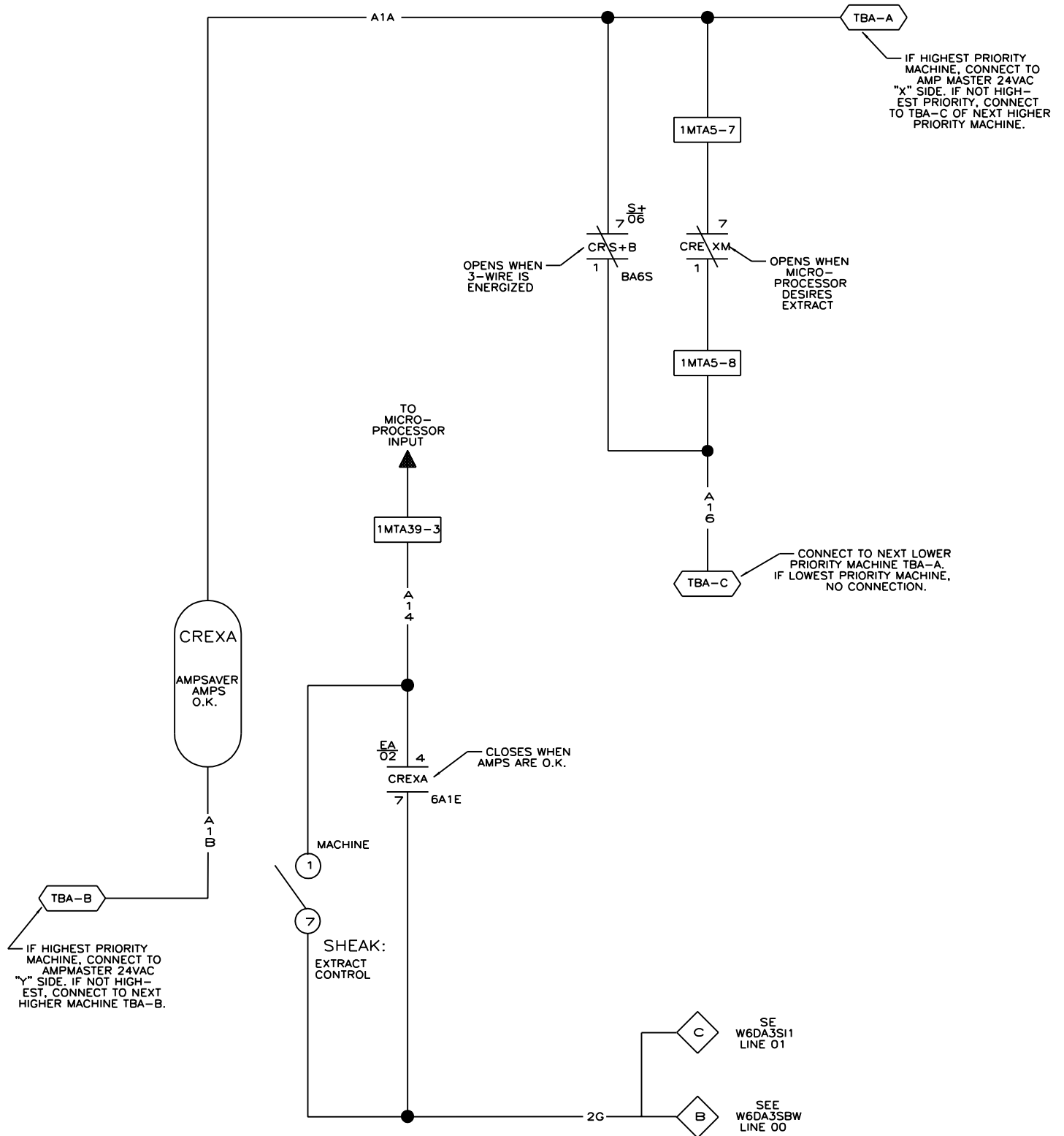
OPEN POCKET ATMOSPHERIC DYE MACHINES
(SERIAL CONTROLS)

MICRO 6 SYSTEMS MARK III

SCHEMATIC: ADD 2 REMOTE DYE TANKS = 8

PELLERIN MILNOR CORPORATION

EA04



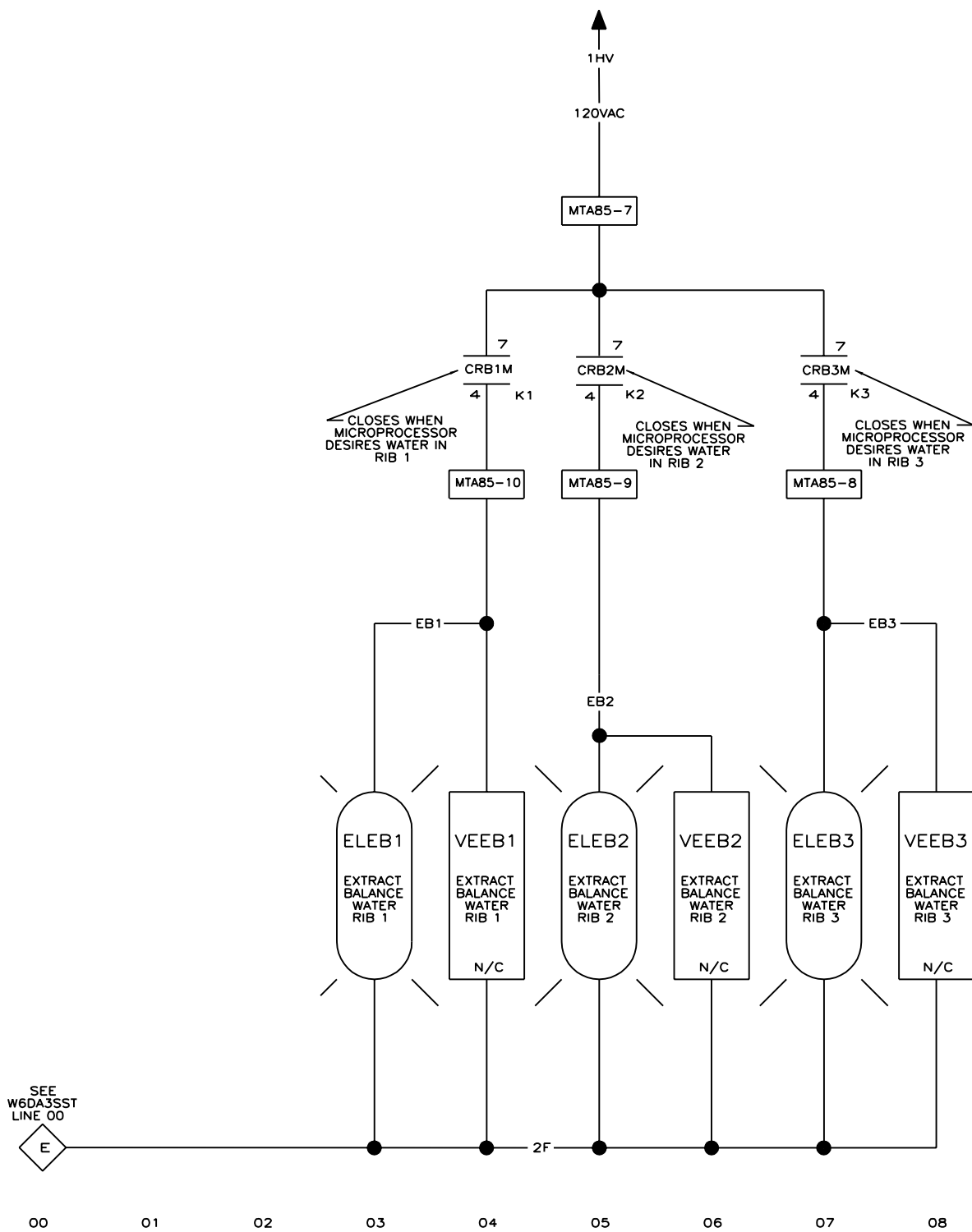
LITHO IN U.S.A.

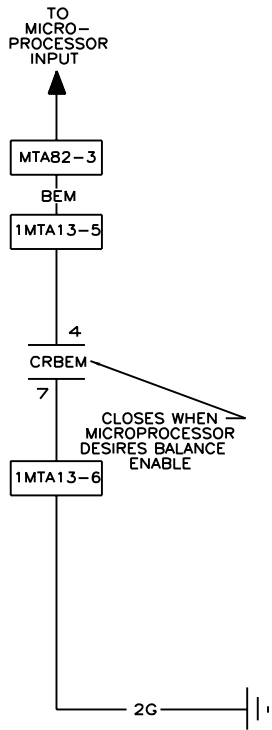
00 01 02 03 04 05 06 07 08 09 10

NOTES

1. TBA IS LOCATED IN LOW VOLTAGE CONTROL BOX.
2. 1MTA34 IS LOCATED ON BPB (PROCESSOR BOARD).
3. AMPSAVER INTERFACE (MK4, MK5 AND MICRO 6).

W6DA3SEA
OPEN POCKET ATMOSPHERIC DYE MACHINE
(SERIAL CONTROLS)
MICRO 6 SYSTEMS MARK III
SCHEMATIC: EXTRACT COMMANDS SATISFIED
24V1P50HZ/24V1P60HZ
PELLERIN MILNOR CORPORATION





W6DA3SEB

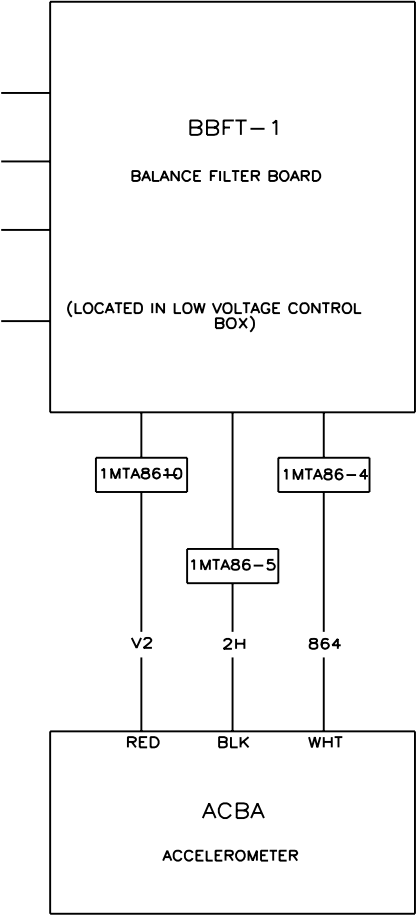
MICRO 6 SYSTEMS CONTROLS MARK III

SCHEMATIC: BALANCING VALVES

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

W6DA3SEB
2001334B

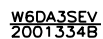
W6DA3SEB
2001334B

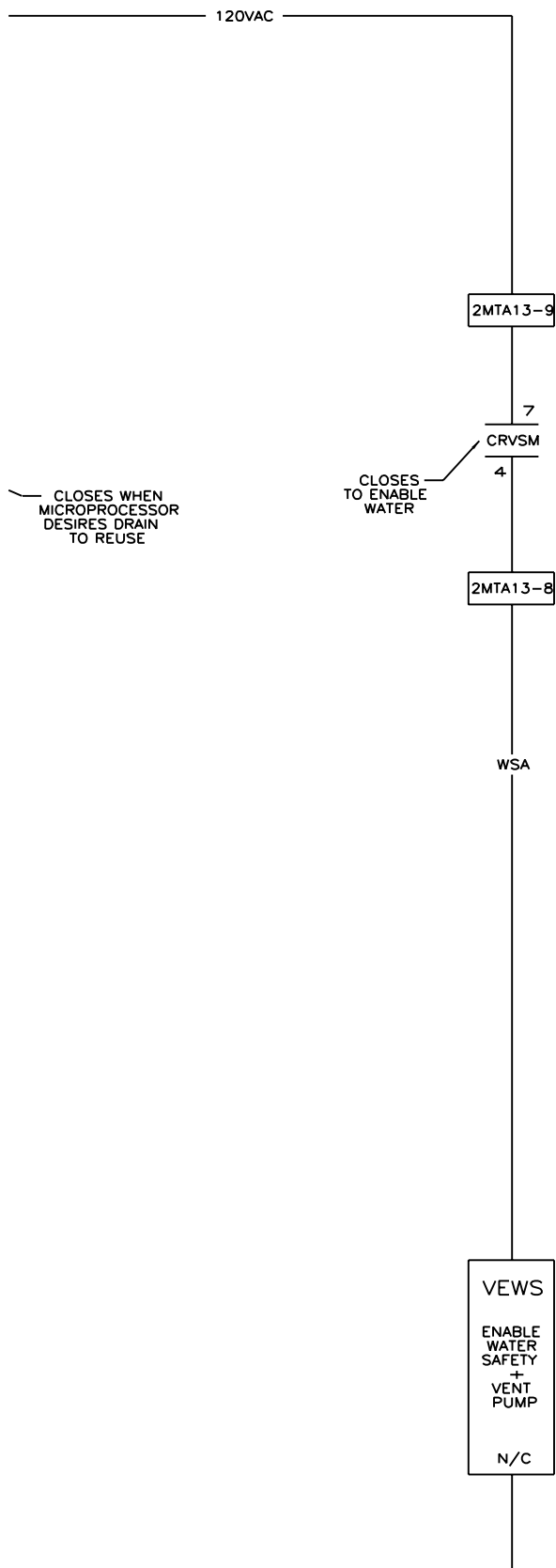


WIRING	VOLTAGE	WIRE COLOR
V1	+5VDC	BLUE
V2	+12VDC	BLUE/ORANGE
V3	-12VDC	BLUE/BLACK
2G	GROUND	BLUE/WHITE
SRH	SERIAL HIGH	BLUE/RED
SRL	SERIAL LOW	BLUE/BLACK
INPUTS	—	BLUE/BLACK
—	24VAC	BLUE/RED
—	120VAC	RED
2F	CONTROL GROUND	RED/WHITE

- NOTES:
1. WIRE 2H IS AN ANALOG GROUND WHICH CONNECTS DIRECTLY TO COPPER BUSS BAR.
 2. TB3 IS LOCATED IN THE LOW VOLTAGE CONTROL BOX.

W6DA3SEC
MICRO 6 SYSTEMS
SERIAL CONTROLS
MARK III
SCHEMATIC: ELECTRONIC BALANCE
PELLERIN MILNOR CORPORATION





W6DA3SEV

OPEN POCKET ATMOSPHERIC DYE MACHINE

MICRO 6 SYSTEMS MARK III

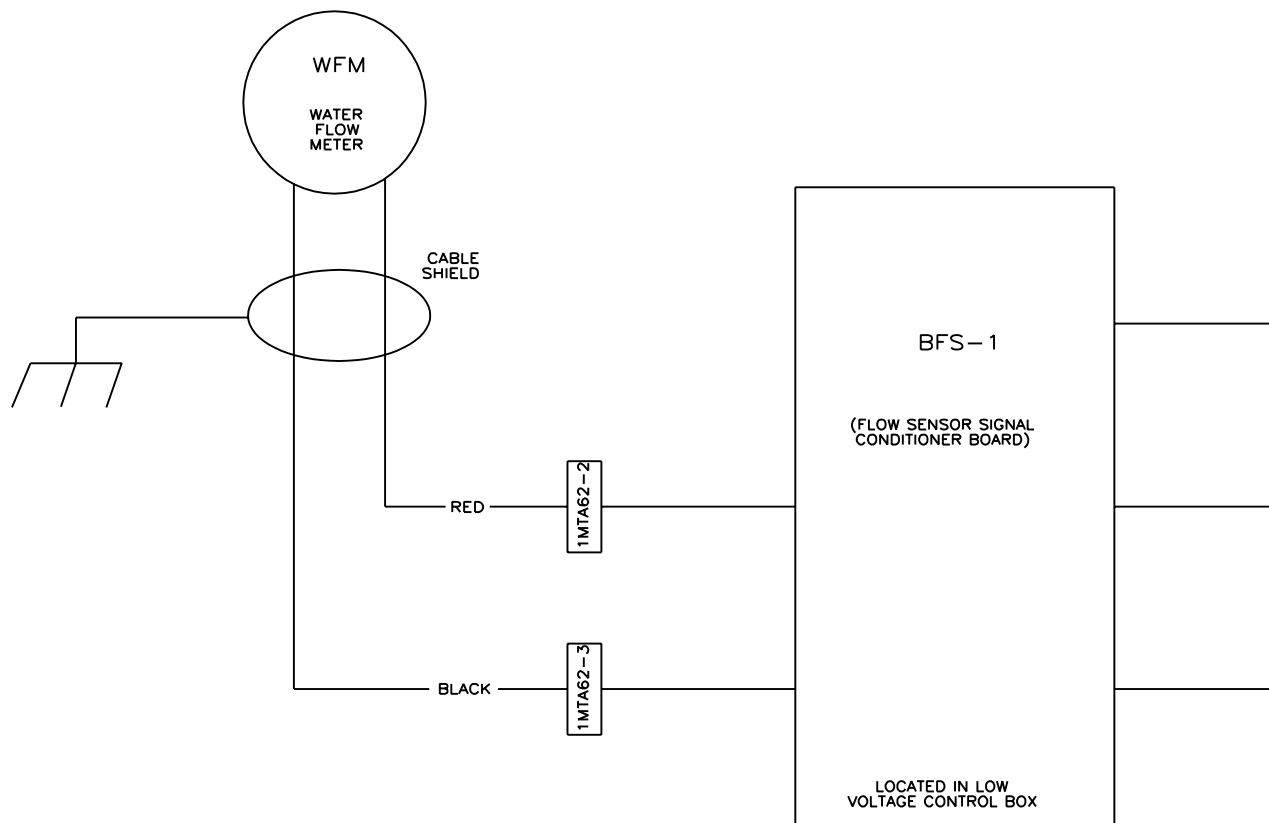
SCHEMATIC: ELECTRICAL VALVES

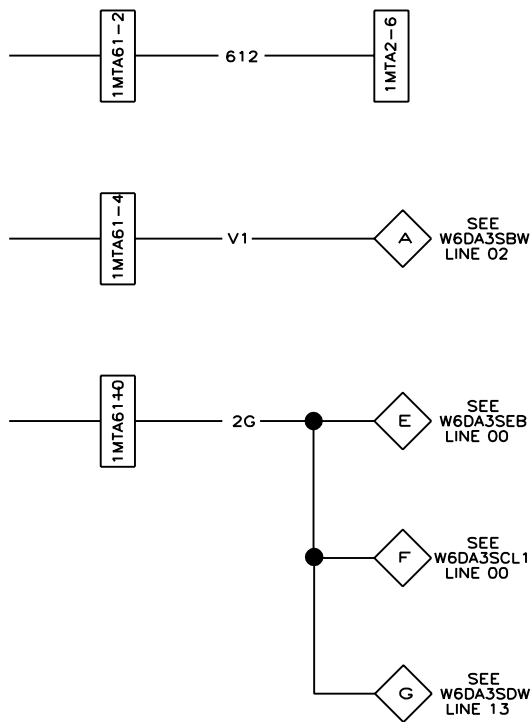
110V1050HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

W6AD3SEV
2001334B

W6DA3SEV
2001334B





NOTES:

1. MTA61 AND MTA62 ARE LOCATED ON BFS-1 (FLOW SENSOR SIGNAL CONDITIONER BOARD)
2. 1MTA2 IS LOCATED ON BIO-1 (8 OUTPUT 16 INPUT BOARD)

W6DA3SFS

MICRO 6 SYSTEMS MARK III

SCHEMATIC: FLOW SENSOR (OPTIONAL)

PELLERIN MILNOR CORPORATION

W6DA3SFS
2001342B

W6DA3SFS
2001342B

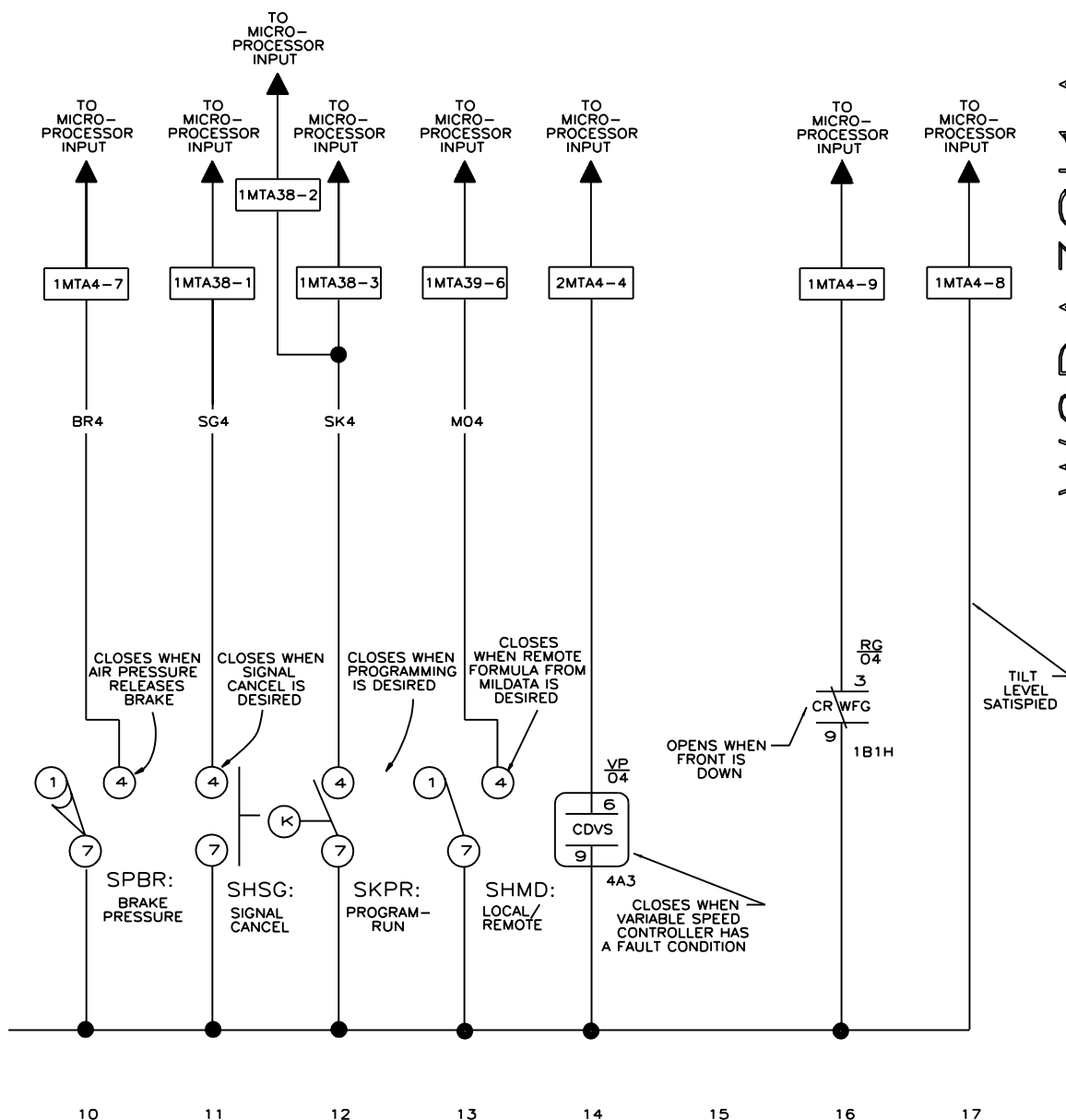
W6DA3S11A

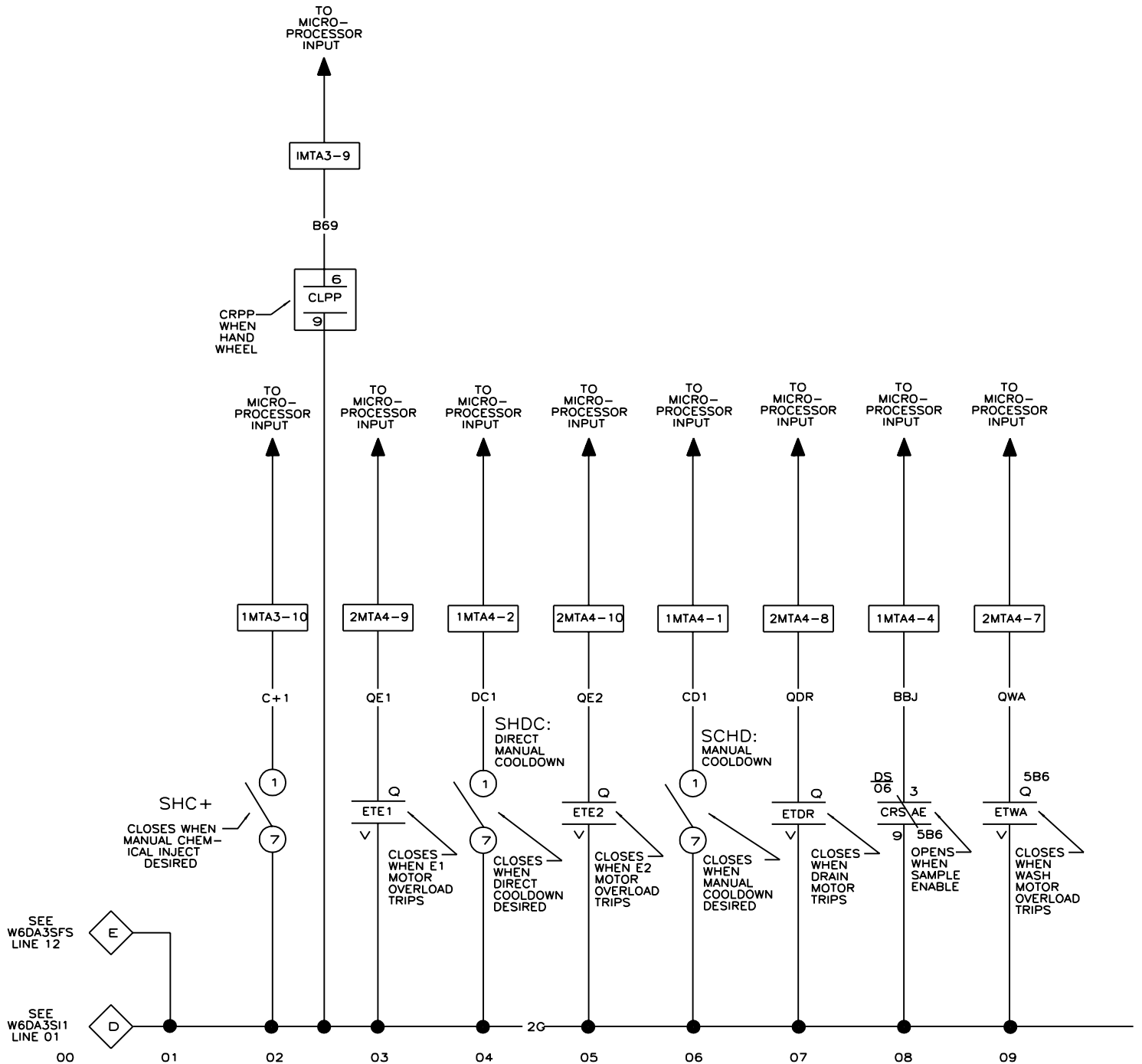
OPEN POCKET ATMOSPHERIC DYE MACHINES
SERIAL CONTROLS 186 PROCESSOR
MICRO 6 SYSTEMS MARK III
SCHEMATIC: MICROPROCESSOR INPUTS

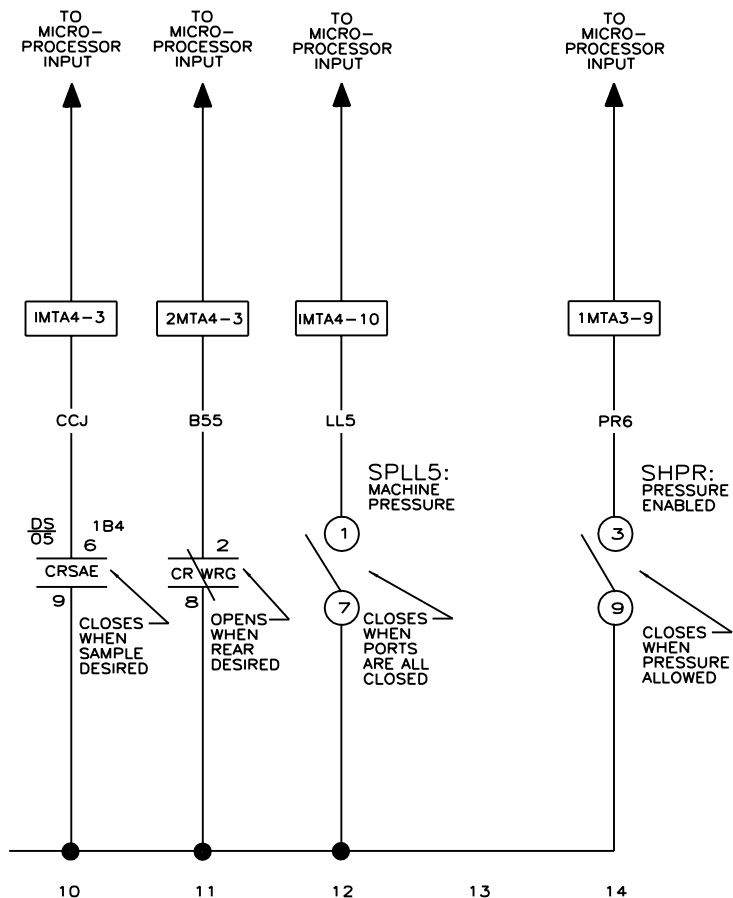
PELLERIN MILNOR CORPORATION

W6DA3SI1A
2001334E

1. 1MTA3 AND 1MTA4 ARE LOCATED ON BIO-1 (8 OUTPUT 16 INPUT BOARD).
2. 1MTA38 IS LOCATED ON BPB (PROCESSOR BOARD).
3. TBR, TBP AND TB3 (COPPER BUS BAR) ARE LOCATED IN THE LOW VOLTAGE CONTROL BOX.







NOTES:
 1. IMTA3 AND 1MTA4 ARE LOCATED ON BIO-1 (8 OUTPUT, 16 INPUT BOARD).
 2. TBR IS LOCATED IN DYE LOGIC BOX.

W6DA3SI2

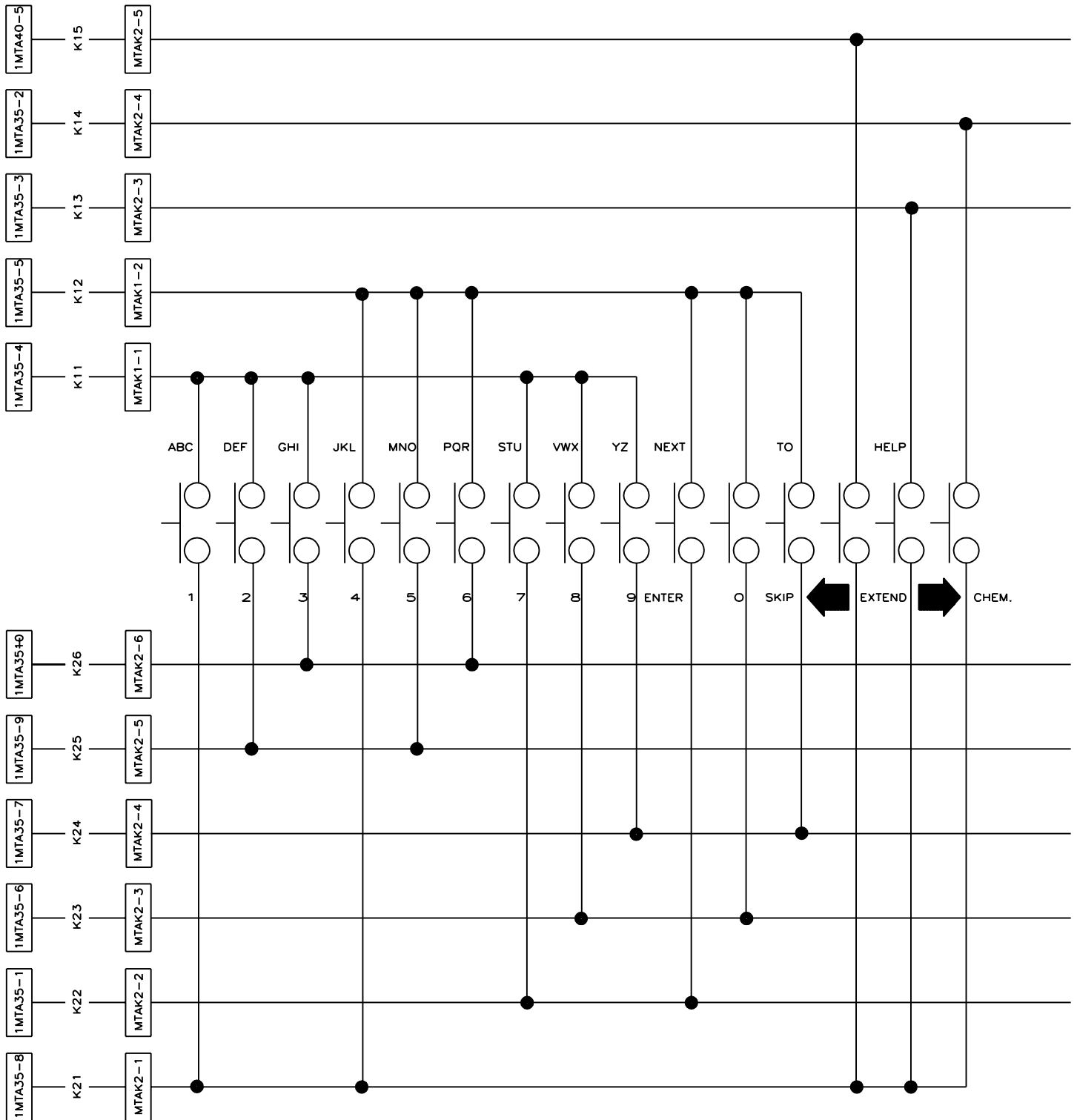
OPEN POCKET ATMOSPHERIC DYE MACHINE

MICRO 6 SYSTEMS

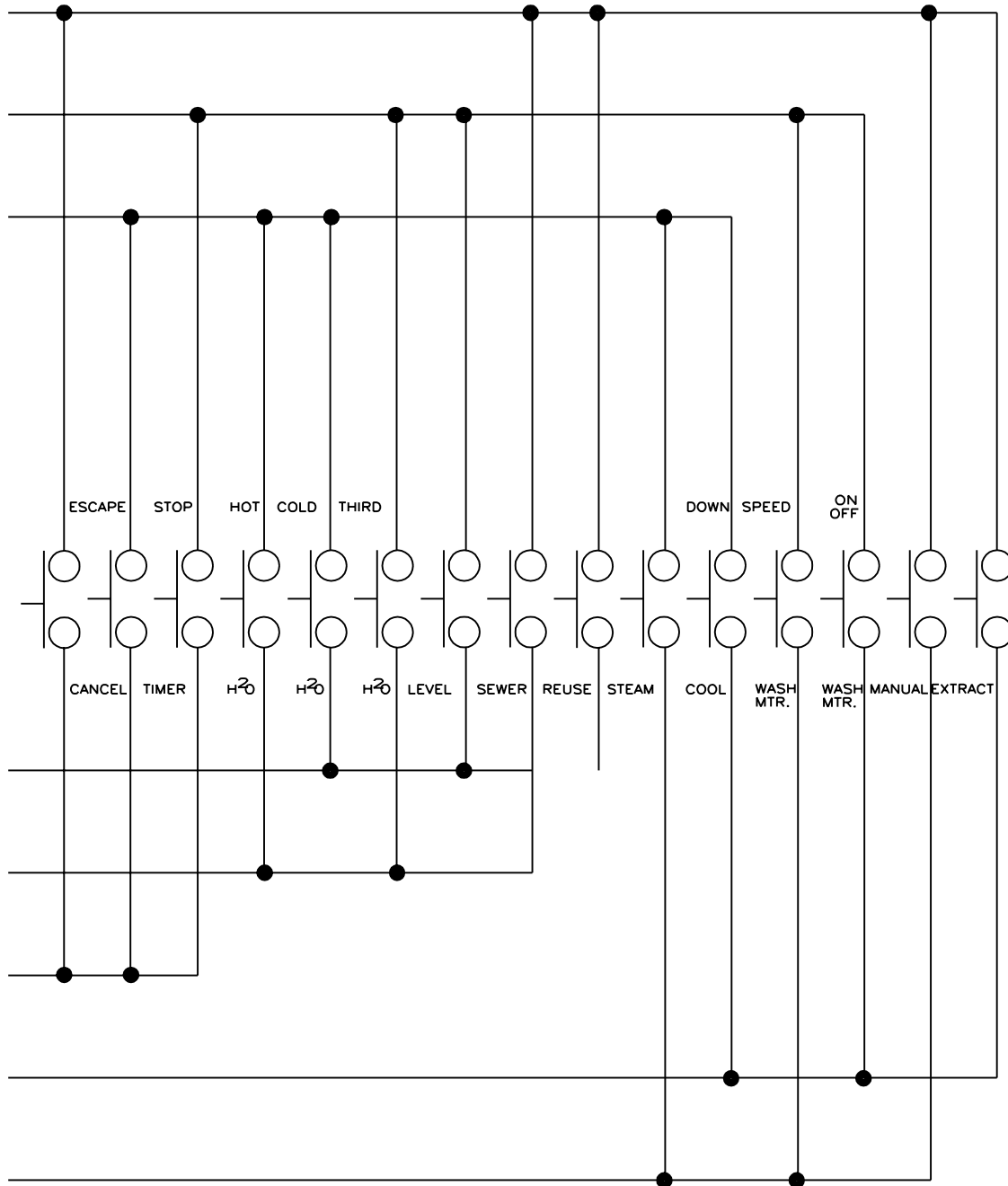
SCHEMATIC: MICROPROCESSOR INPUTS

PELLERIN MILNOR CORPORATION

W6DA3SI2
2001334B



00 01 02 03 04 05 06 07 08 09 10



NOTES:

1. MTAK1 & MTAK2 ARE LOCATED ON KEYPAD.
2. 1MTA35 & 1MTA40 ARE LOCATED ON BPB (PROCESSOR BOARD).

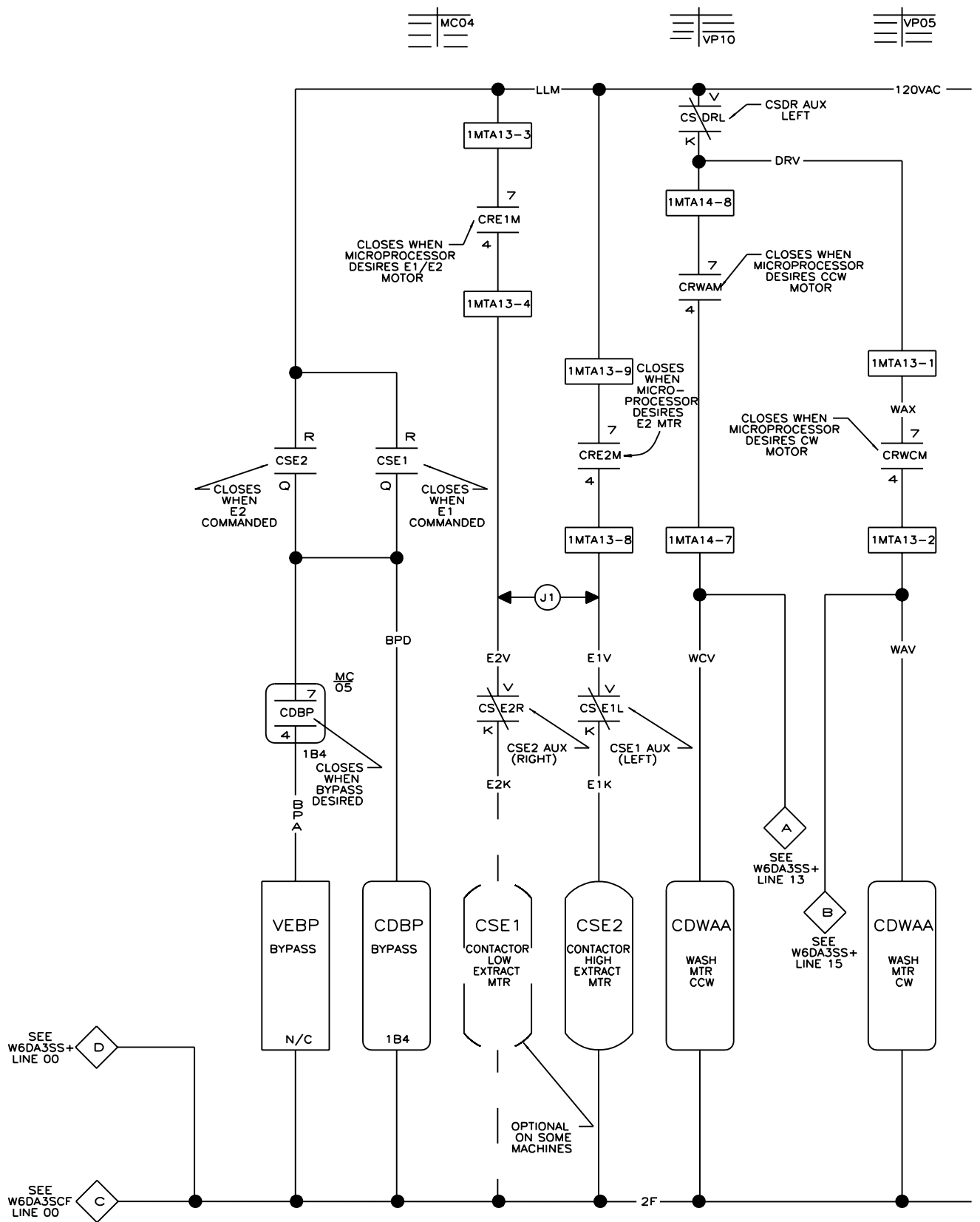
W6DA3SKP

OPEN POCKET ATMOSPHERIC DYE MACHINE

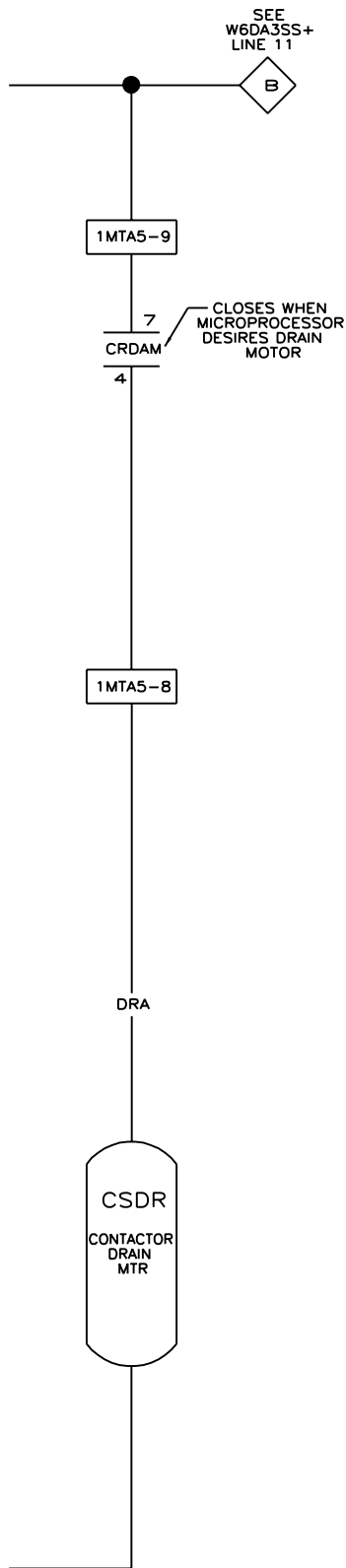
MICRO 6 SYSTEM MARK III

SCHEMATIC: KEYPAD (SERIAL CONTROLS)

PELLERIN MILNOR CORPORATION



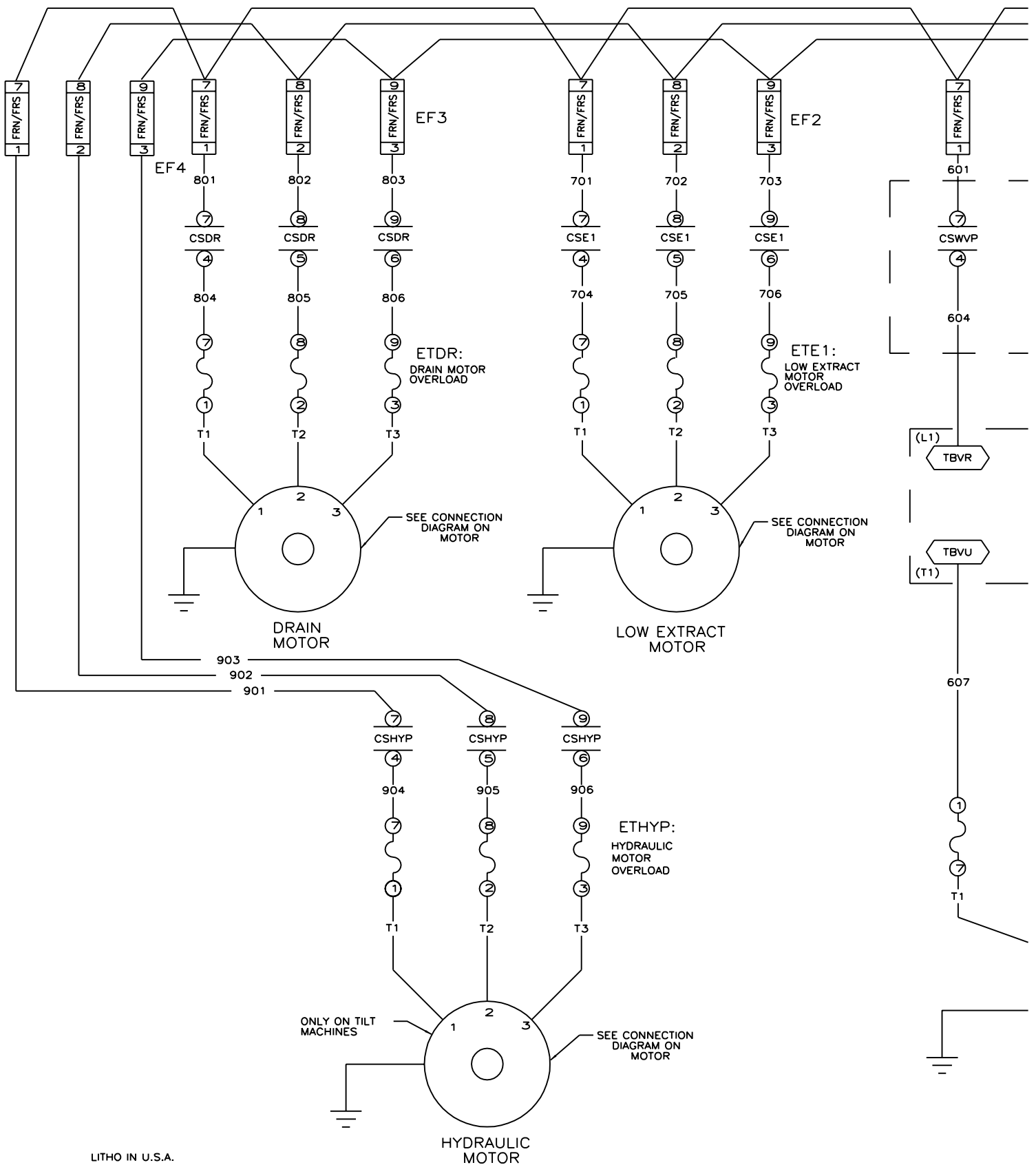
00 01 02 03 04 05 06 07 08 09 10



NOTES:

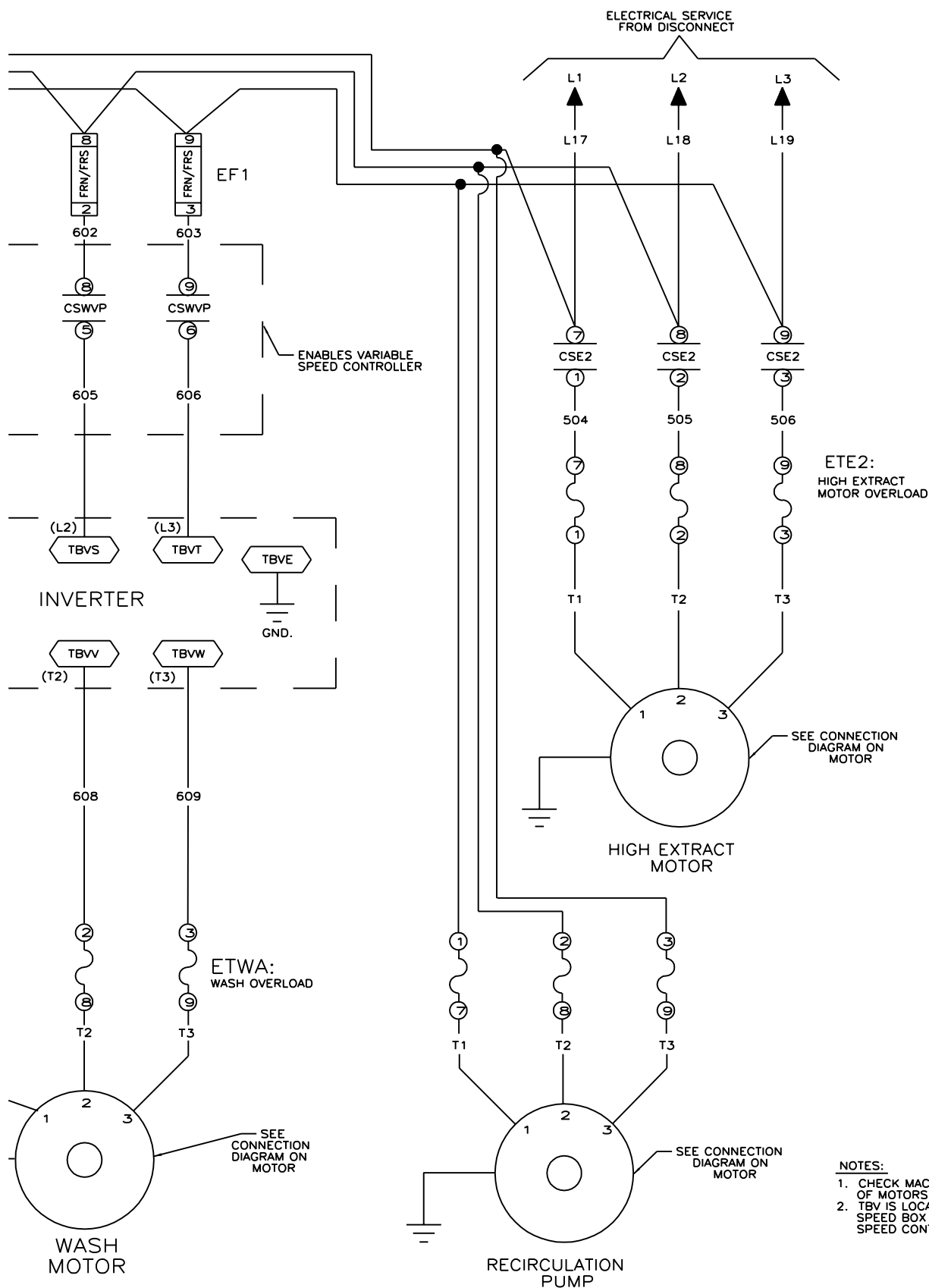
1. REMOVE (J1) FOR TWO SPEED EXTRACT.
2. SEE DRAWING W6DA3SVP FOR WASH MOTOR CONTACTOR WITH VARIABLE SPEED CONTROLLER OPTION.

W6DA3SMC
 OPEN POCKET ATMOSPHERIC DYE MACHINES
 MICRO 6 SYSTEMS
 SCHEMATIC: DRIVE MOTOR CONTACTORS
 WITH REMOTE DYE TANKS ONLY
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10



W6DA3SMT

OPEN POCKET ATMOSPHERIC DYE MACHINES

MIRCO 6 SYSTEMS MARK III

SCHEMATIC: M6 DYE MOTOR CONNECTIONS

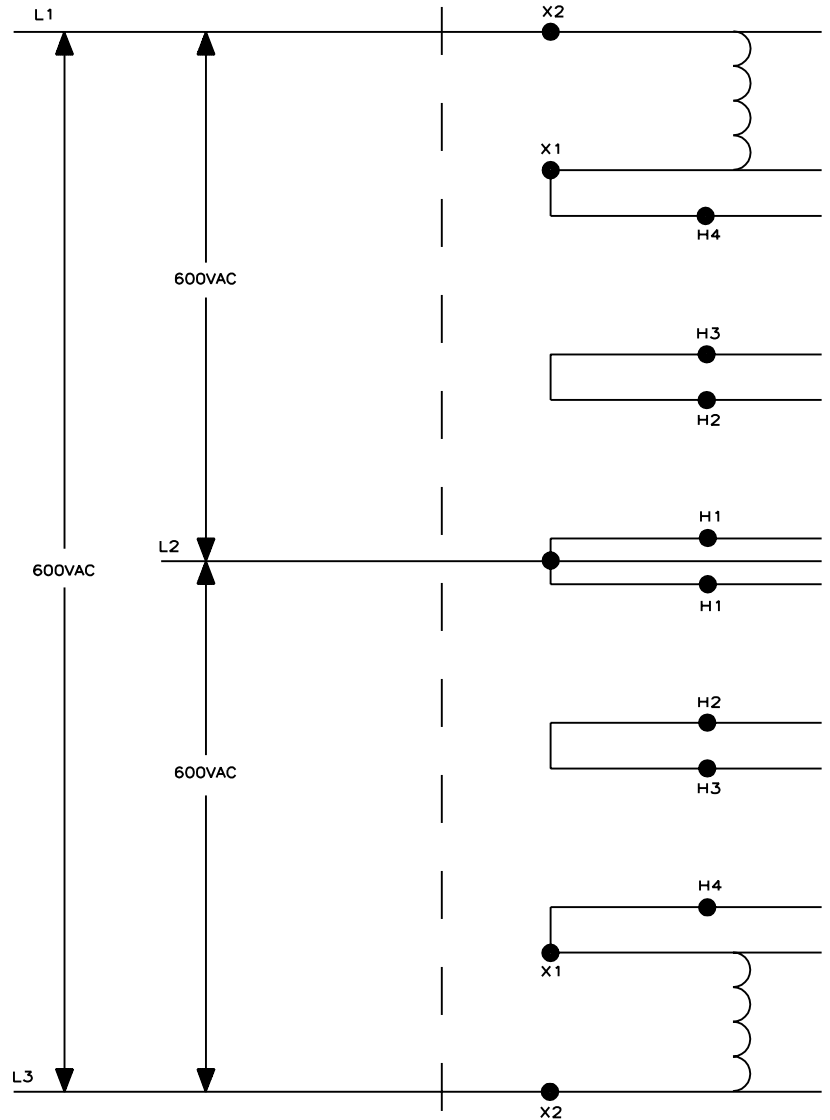
PELLERIN MILNOR CORPORATION

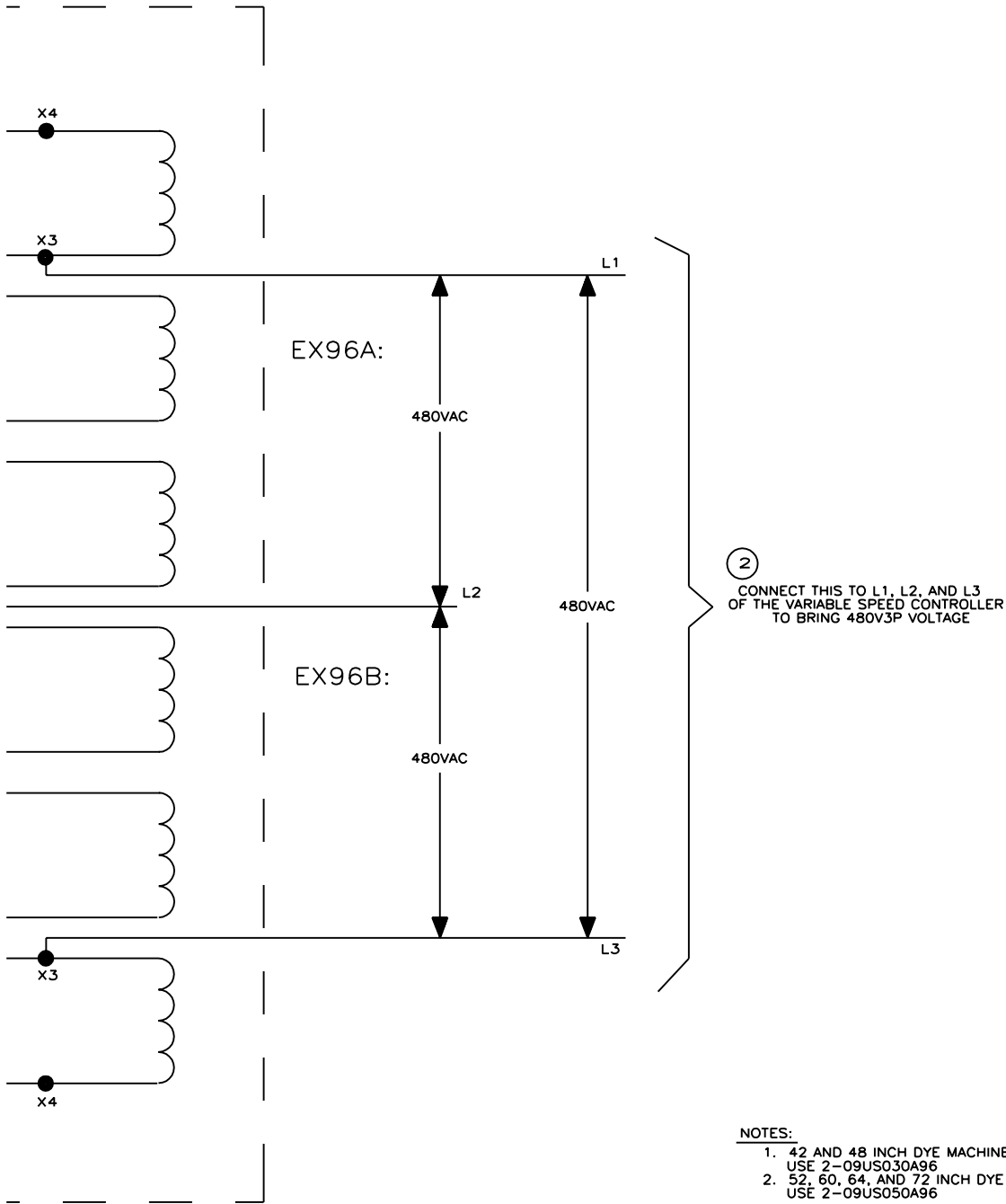
NOTES:

1. CHECK MACHINE FOR FUSING OF MOTORS.
2. TBV IS LOCATED IN THE VARIABLE SPEED BOX ON THE VARIABLE SPEED CONTROLLER

①
REMOVE THE 3 PHASE
FEED FROM L1, L2, AND L3
OF THE VARIABLE SPEED
CONTROLLER AND CONNECT
TO THE TRANSFORMERS

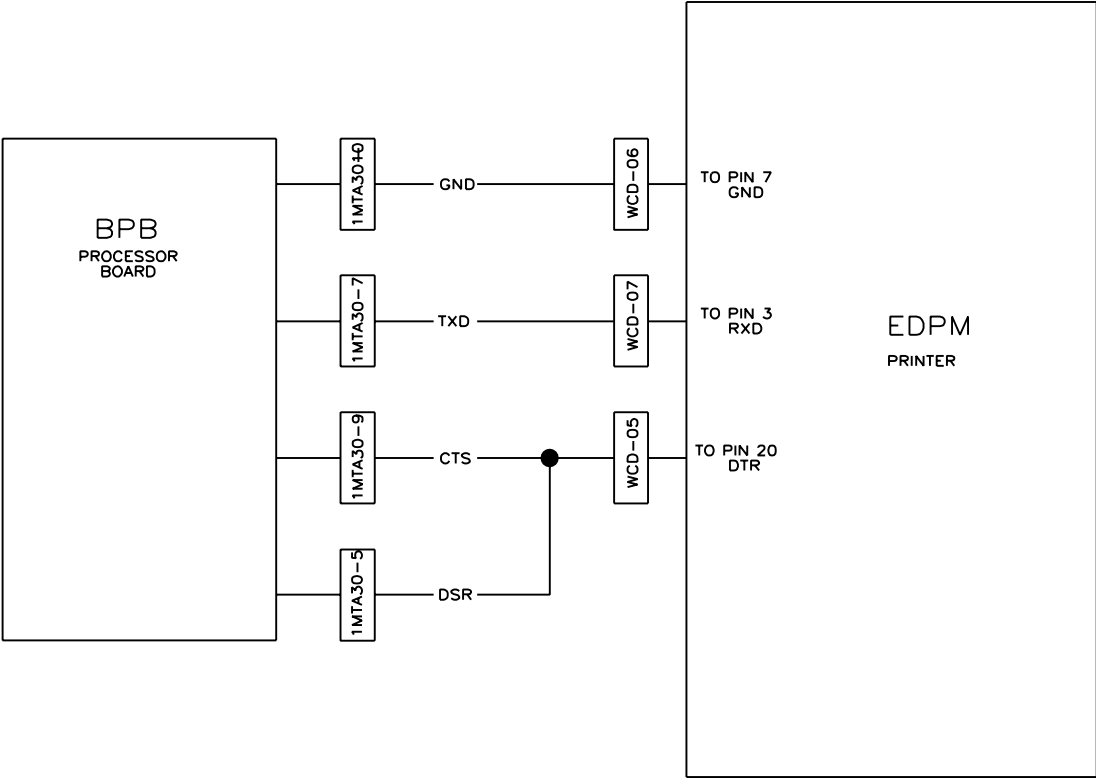
THESE ARE 2 TRANSFORMERS
WIRED IN AN OPEN DELTA
CONFIGURATION TO BUCK
FROM 600V3P TO 480V3P





W6DA3SMT6

MICRO 6 SYSTEMS
SCHEMATIC: 600V DYE MACHINES
WASH MOTOR WHEN DYE
MACHINE IS FOR 600VAC
PELLERIN MILNOR CORPORATION

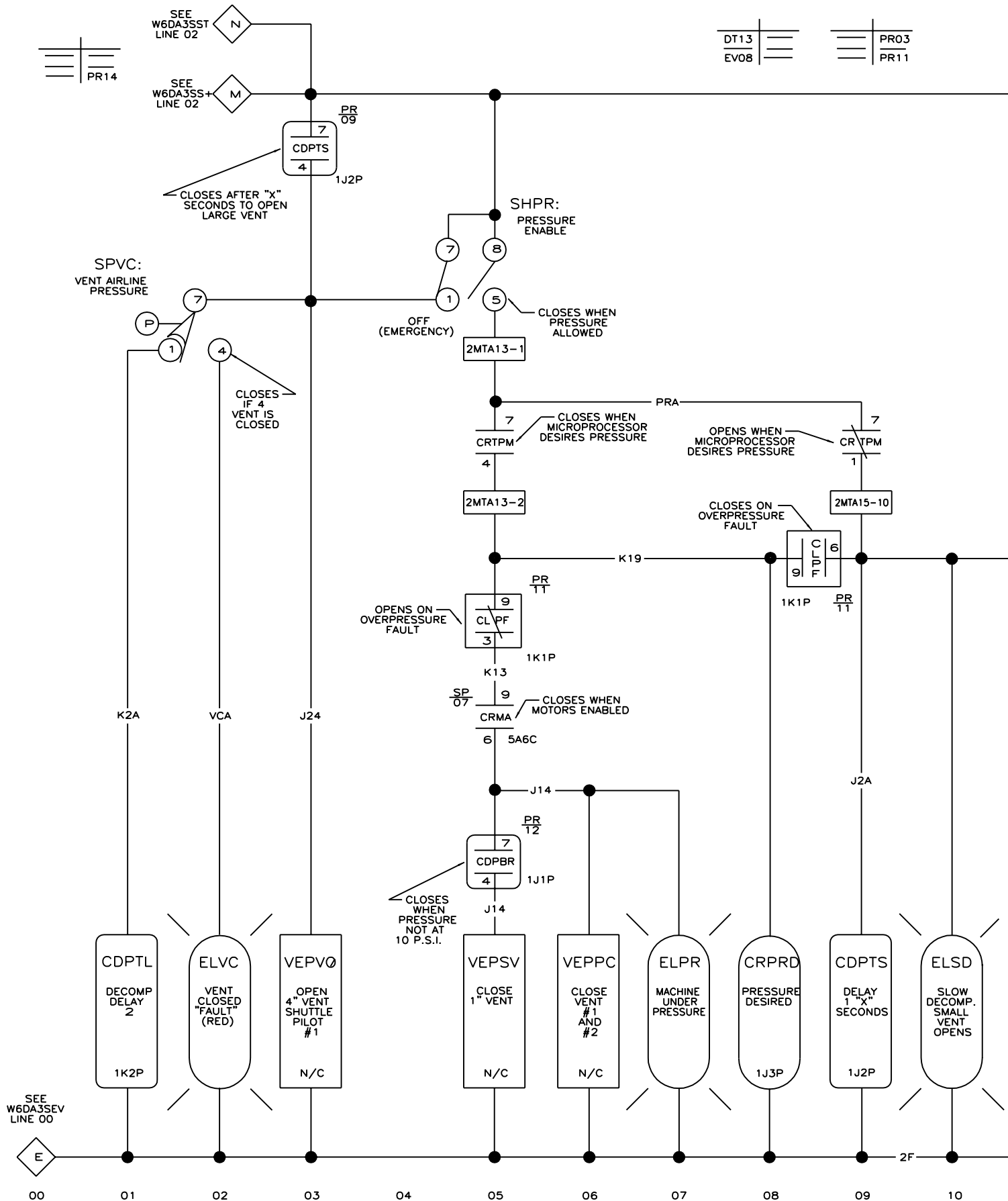


NOTE
SEE PRINTER MANUAL
FOR SETTINGS

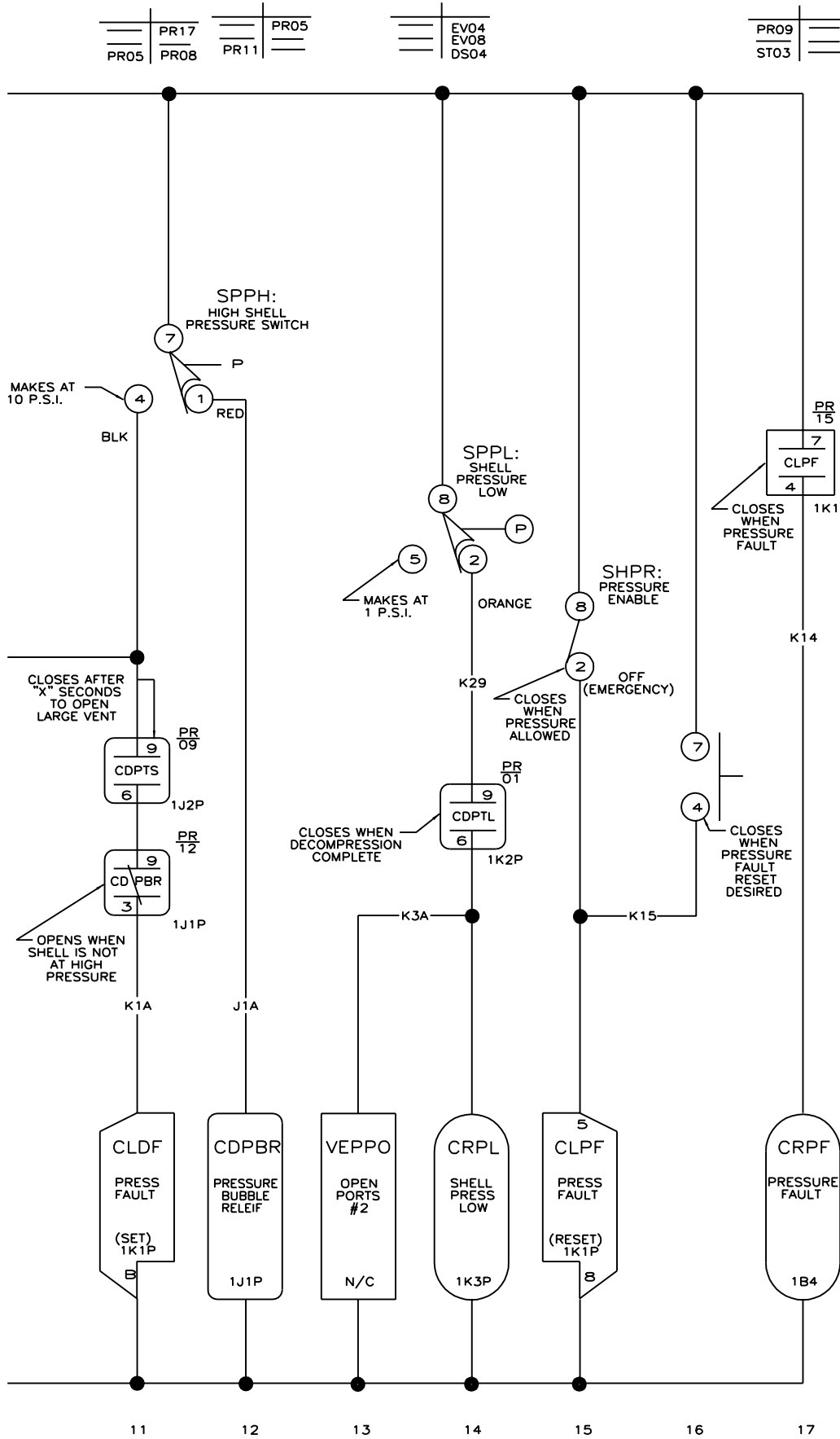
W6DA3SPI

SCHEMATIC: PRINTER WIRING

PELLERIN MILNOR CORPORATION



SEE W6DA3SEV LINE 00



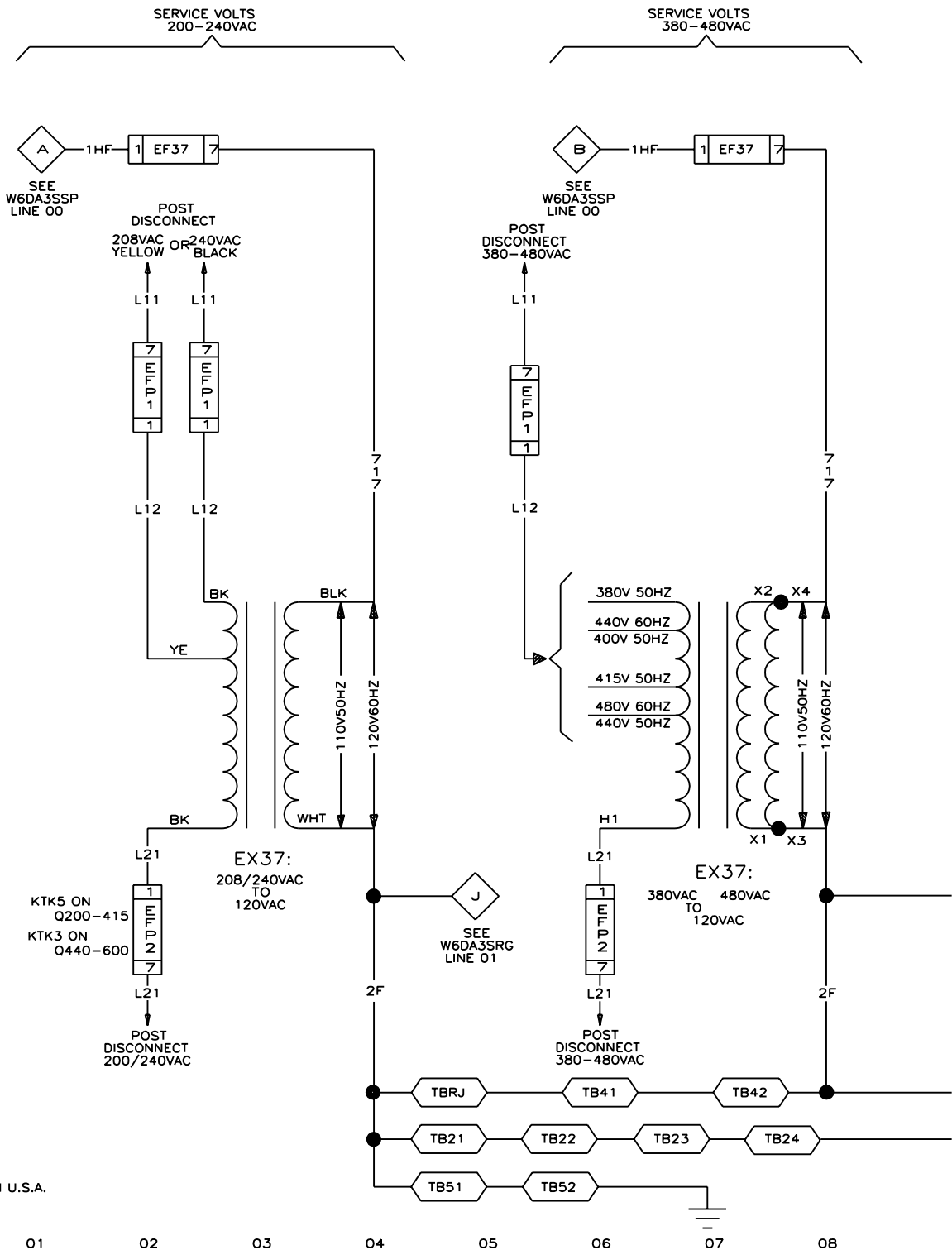
W6DA3SPR

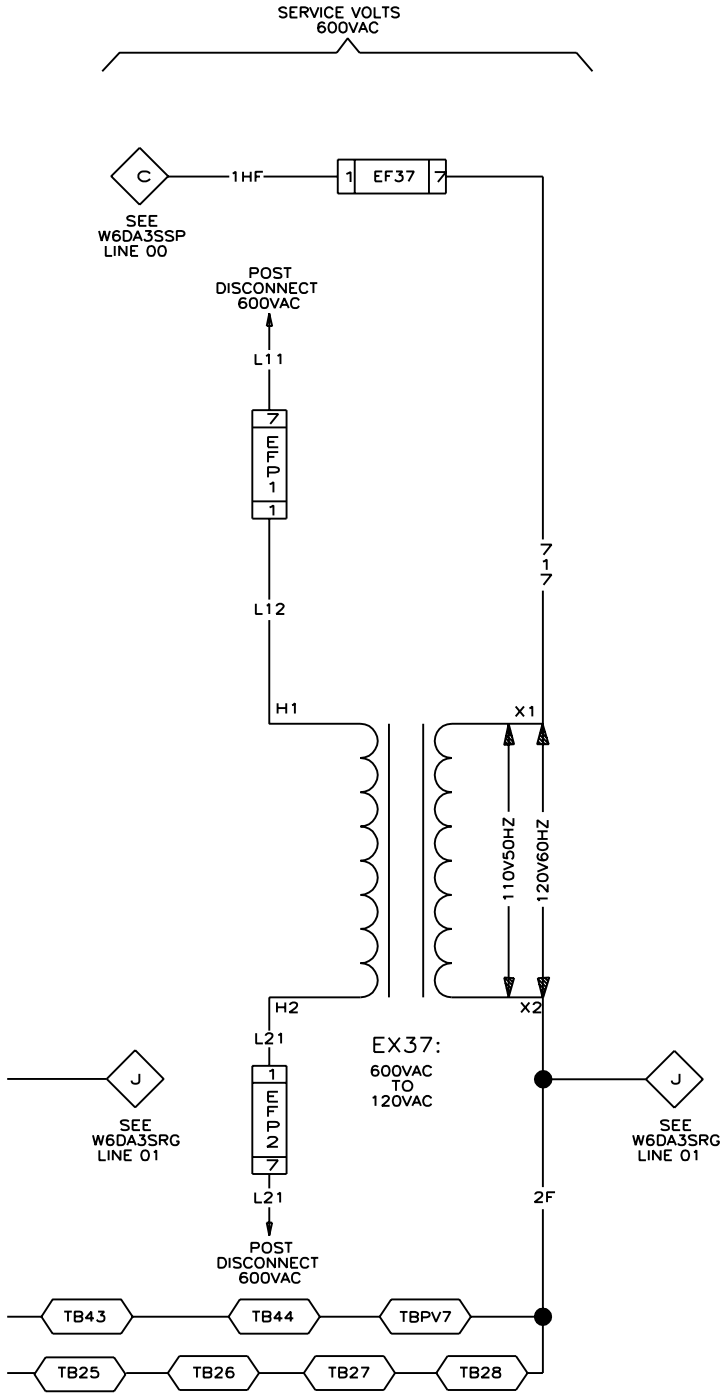
MICRO 6 SYSTEMS MARK III

SCHEMATIC: PRESSURE CIRCUIT

110V1050HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

CONTROL CIRCUIT POWER





- NOTES:
1. TB4 AND TBR (COPPER BUS BAR) ARE LOCATED IN THE LOW VOLTAGE CONTROL BOX.
 2. TB2 AND TB5 (COPPER BUS BAR) ARE LOCATED IN THE HIGH VOLTAGE CONTROL BOX.

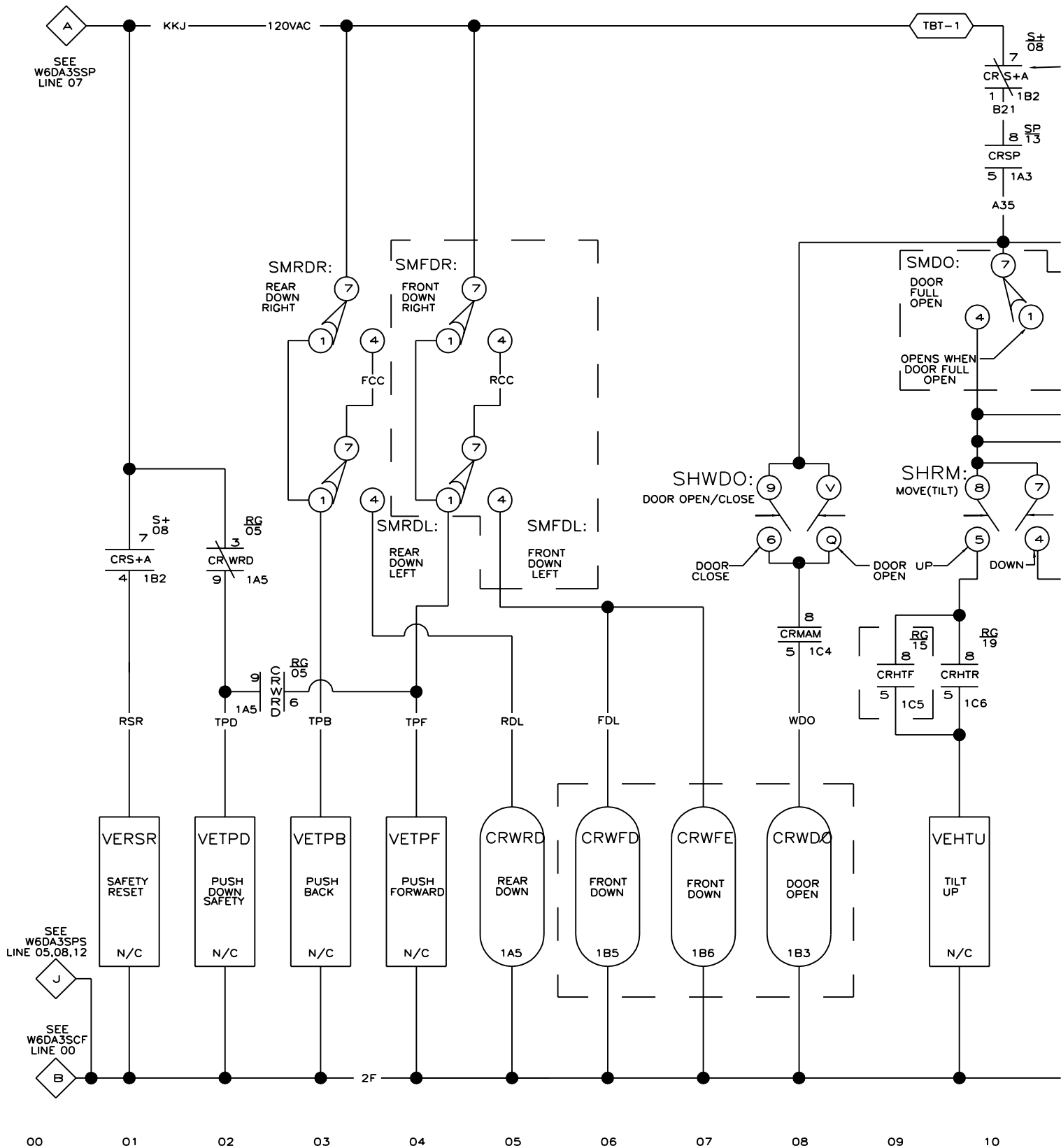
W6DA3SPS

TEXTILE DYE MACHINE SERIAL CONTROLS MARK III

SCHEMATIC: SOURCE 110V1P50HZ/120V1P60HZ CONTROL CIRCUIT POWER

PELLERIN MILNOR CORPORATION

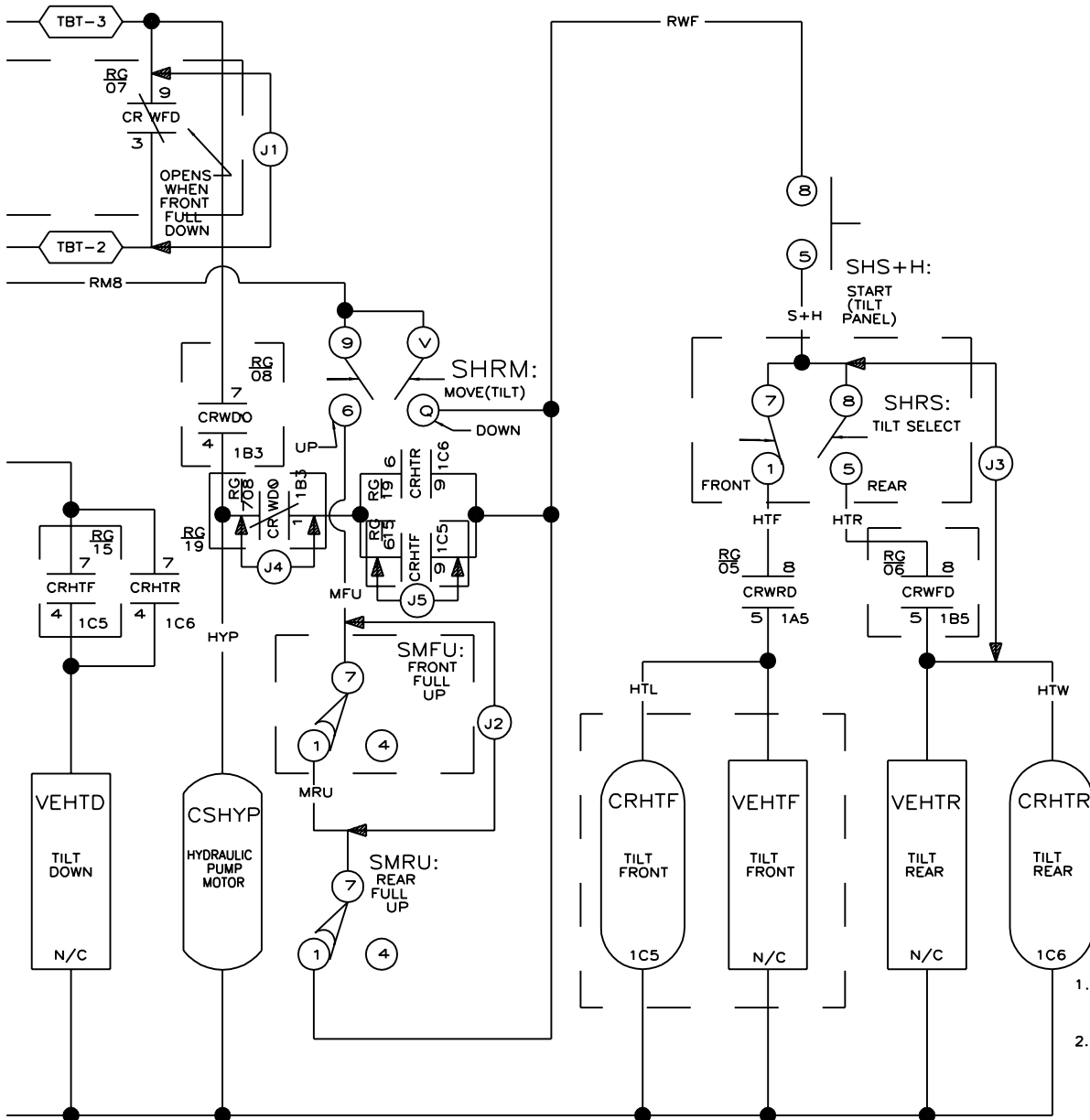
S+09 RG02	RG15 RG03	S+09 RG12	FR09	RG13 RG12
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RG11
RG09
RG14

RG11
RG10
RG14

— OPEN WHEN
3-WIRE ENABLED



W6DA3SRG

OPEN POCKET ATMOSPHERIC DYE MACHINE MICRO 6 SYSTEMS MARK III SCHEMATIC: RAISE HOUSE (HYDRAULIC)

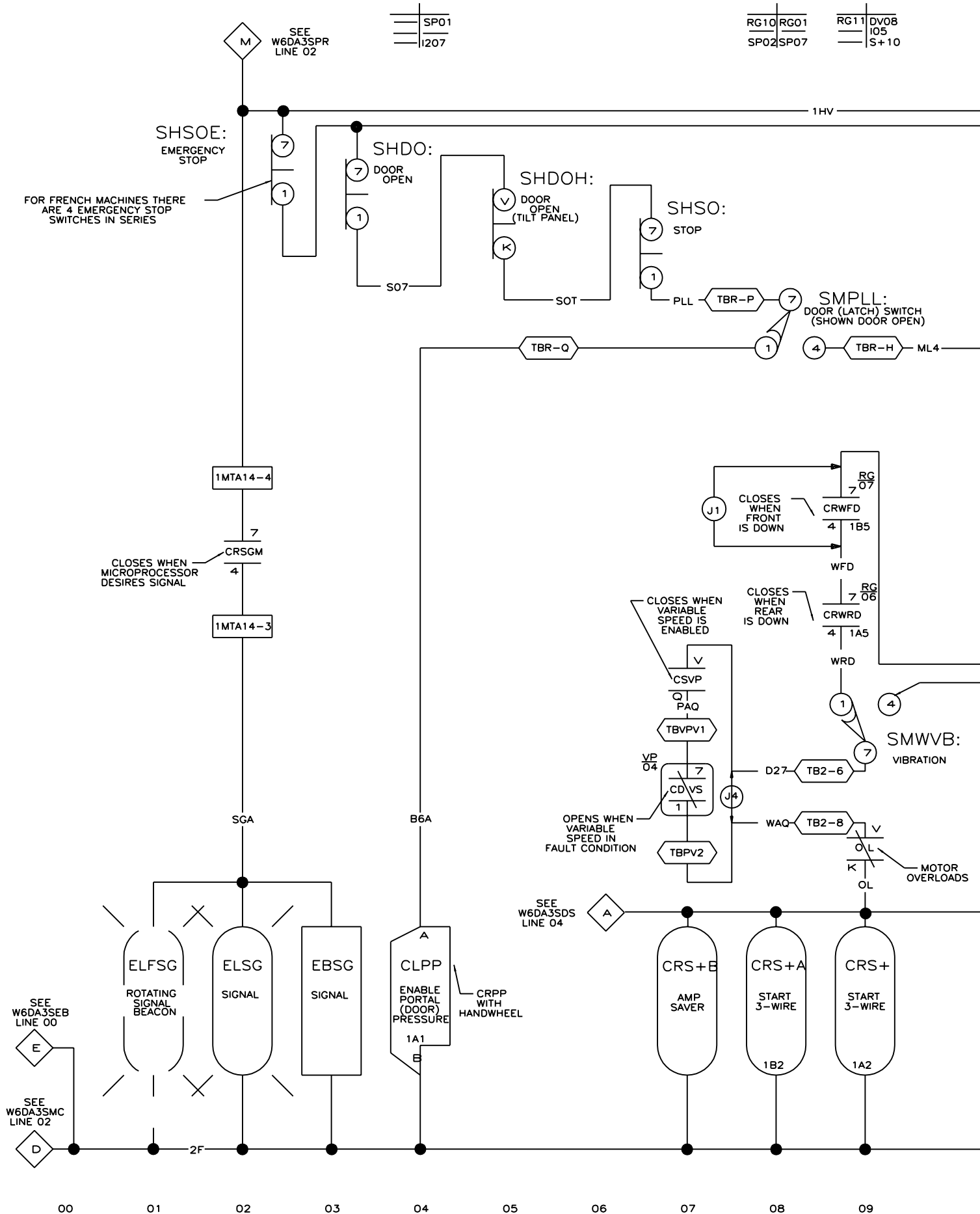
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

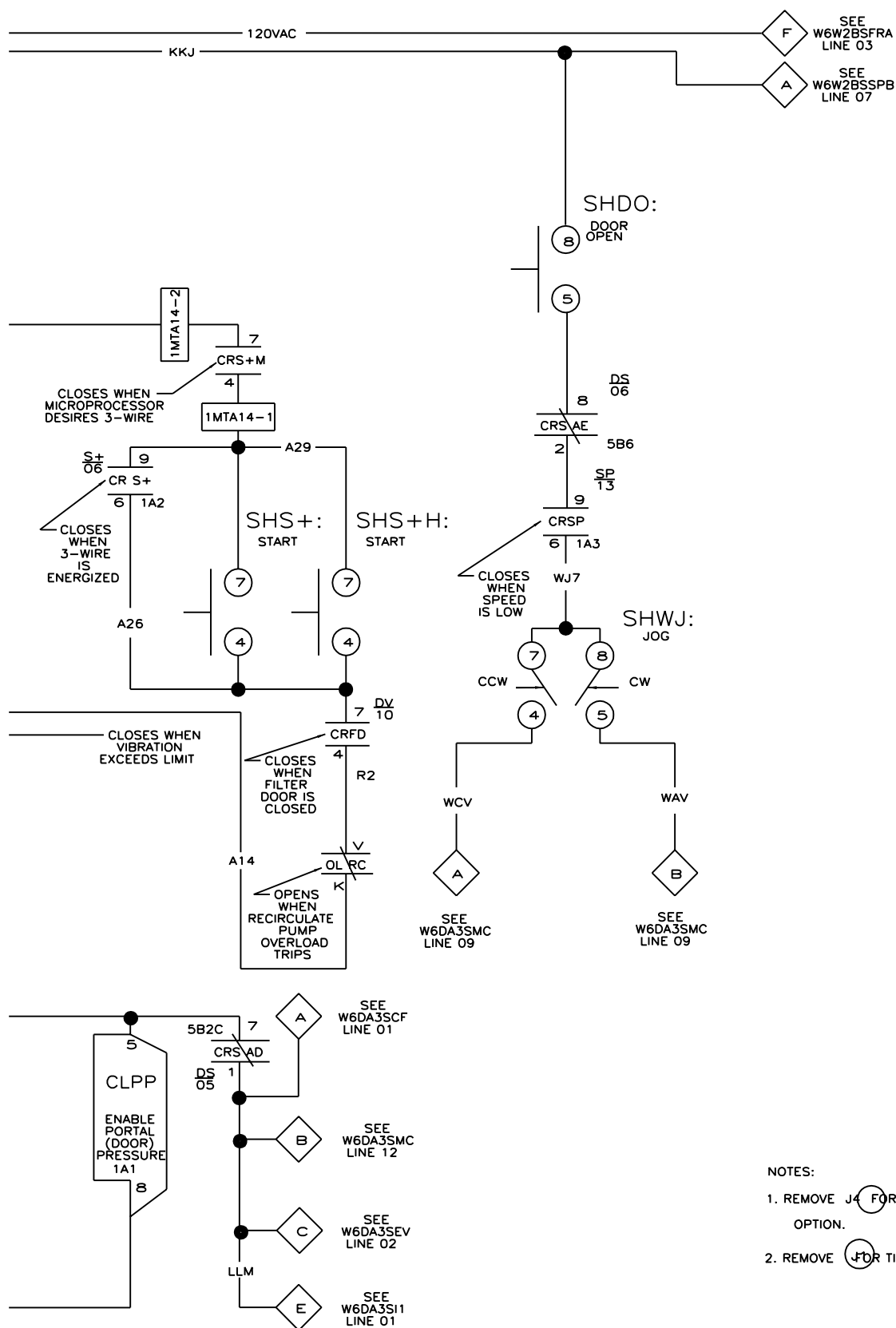
- NOTES:
1. REMOVE (J1) (J2) (J3) (J4) (J5)
FOR TILT TWO WAYS
 2. COMPONENTS IN DOTTED LINES
DO NOT EXIST ON TILT ONE
WAY MACHINES.

SP01
I207

RG10 RG01
SP02 SP07

RG11 DV08
IO5
S+ 10

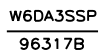


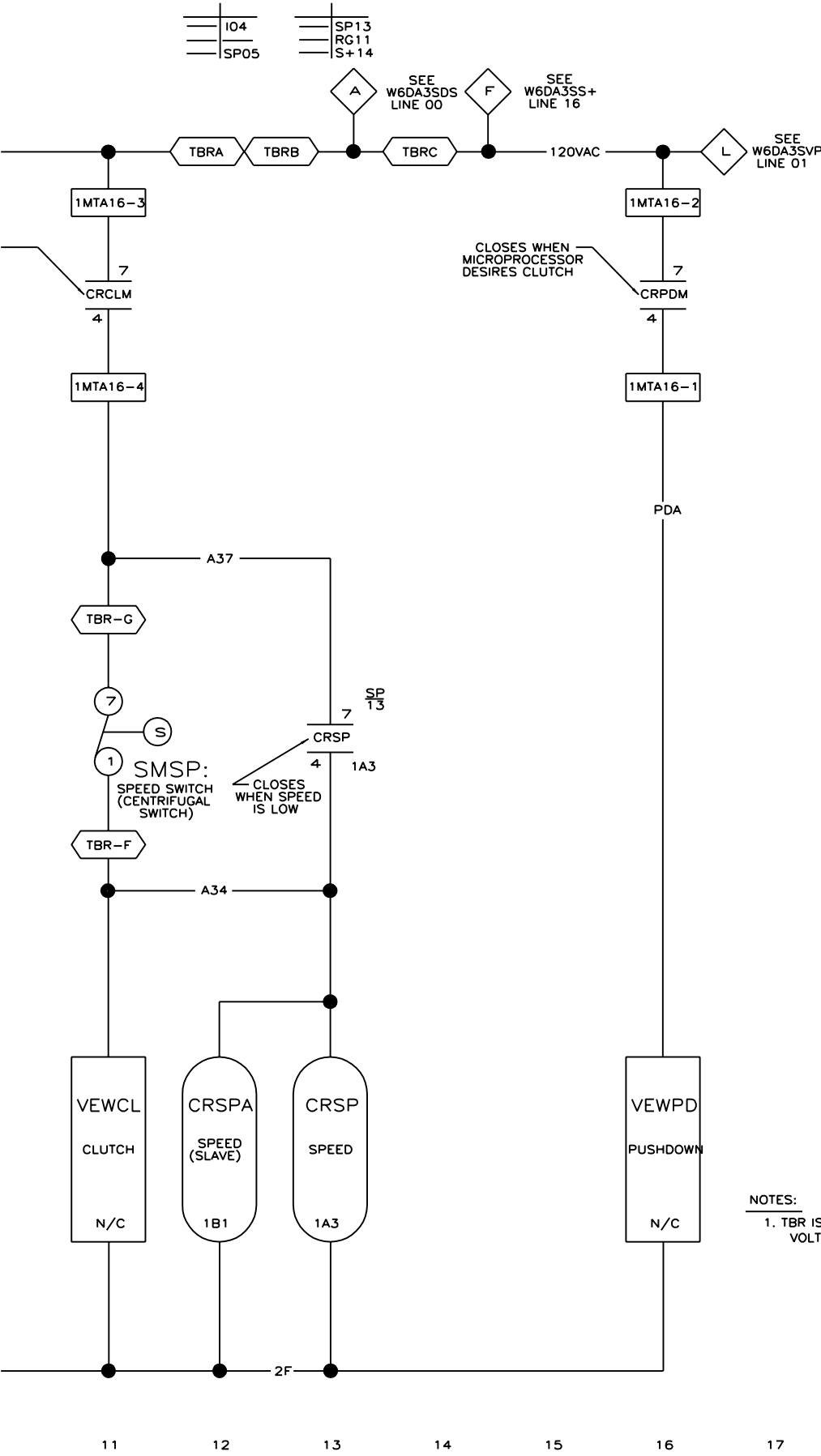


W6DA3SS+
OPEN POCKET ATMOSPHERIC DYE MACHINE
(SERIAL CONTROLS)
MICRO 6 SYSTEMS
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

NOTES:

1. REMOVE J4 FOR VARIABLE SPEED OPTION.
2. REMOVE J4 FOR TILT 2WAY MACHINES





NOTES:
1. TBR IS LOCATED IN LOW
VOLTAGE CONTROL BOX.

W6DA3SSP

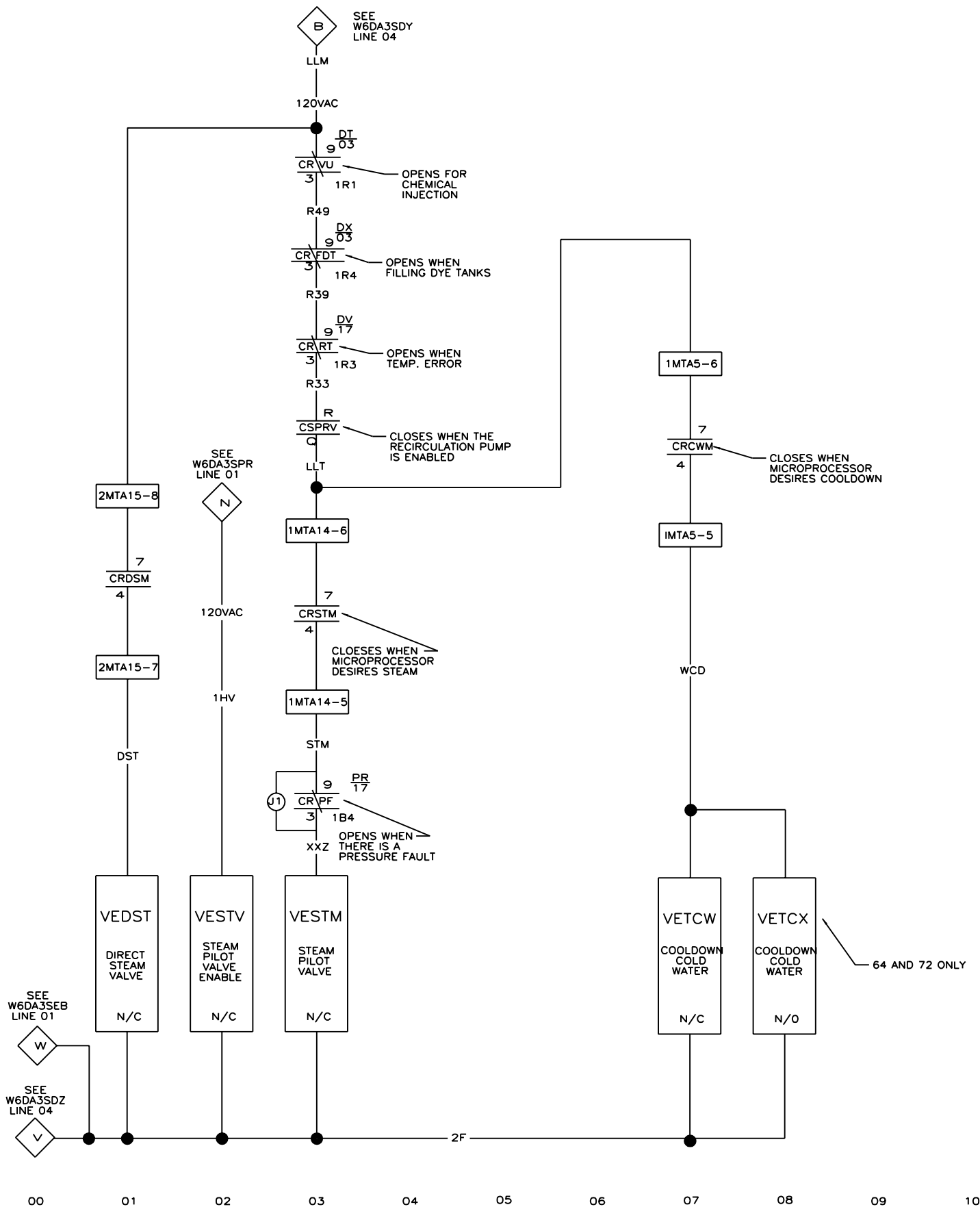
OPEN POCKET ATMOSPHERIC DYE MACHINE

MICRO 6 SYSTEMS

SCHEMATIC: SPEED, DOOR CIRCUITS,
& MASTER SWITCH

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION



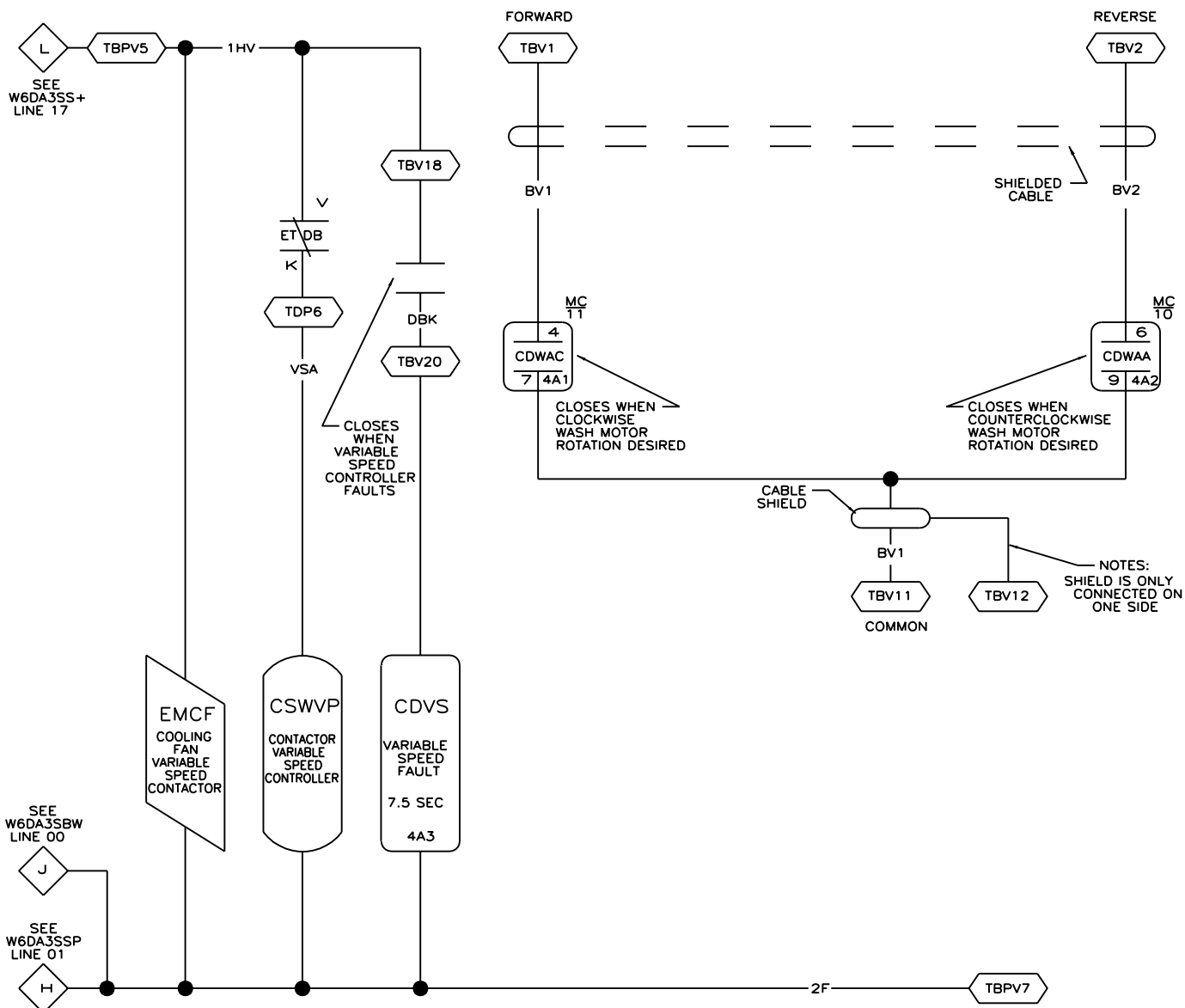
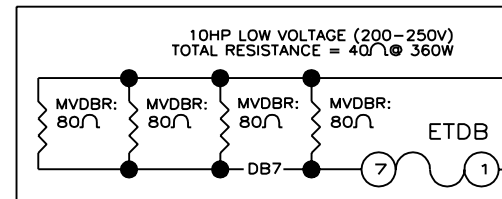
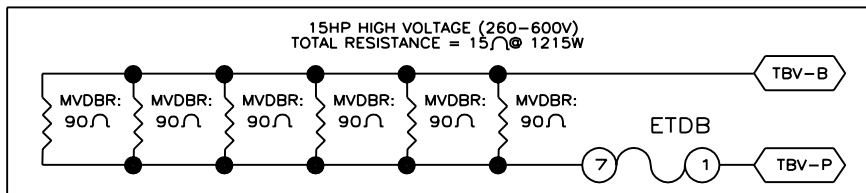
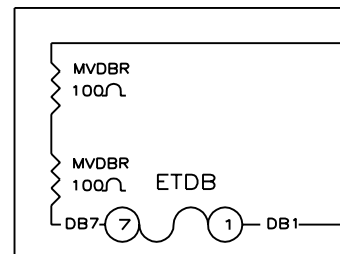
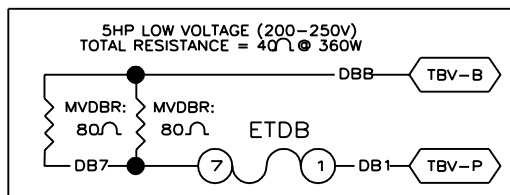
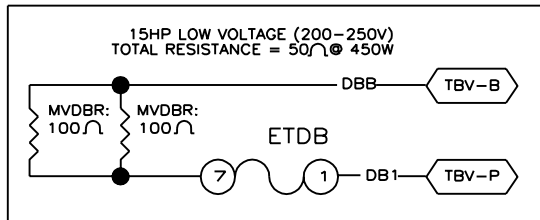
NOTES:

1. 1MTA5 IS LOCATED ON BIO-1 (8 OUTPUT, 16 INPUT BOARD).
2. 2MTA13 & 2MTA15 ARE LOCATED ON B016-2 (16 OUTPUT BOARD).
3. 1MTA14 IS LOCATED ON B016-1 (16 OUTPUT BOARD).
4. TBG IS LOCATED IN THE DYE LOGIC BOX.
5. REMOVE J1(16) PRESSURE.

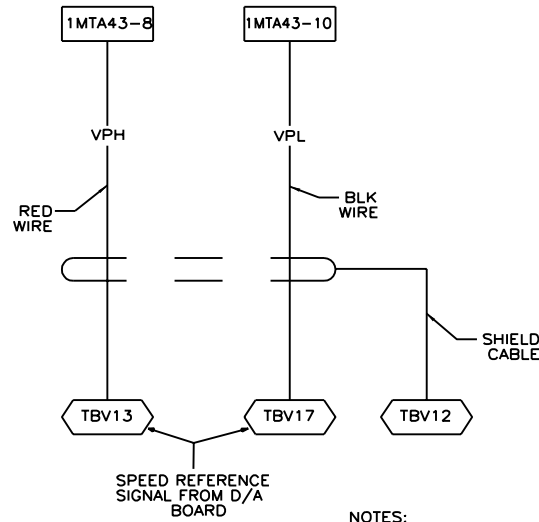
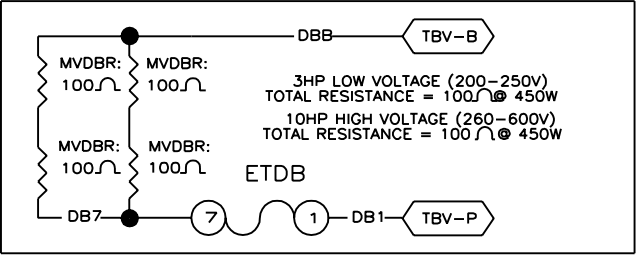
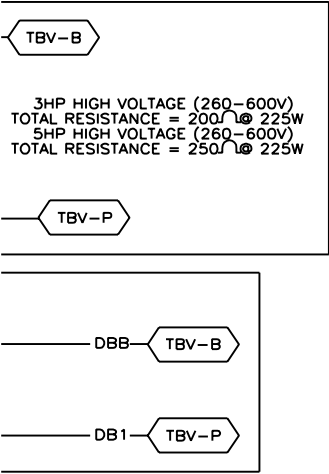
W6DA3SST
OPEN POCKET ATMOSPHERIC DYE MACHINE
(SERIAL CONTROLS)
MIRCO 6 SYSTEMS MARK III
SCHEMATIC: STEAM & COOLDOWN
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

W6DA3SST
2001334B

S+08
I208



00 01 02 03 04 05 06 07 08 09 10



NOTES:

SHIELD IS ONLY CONNECTED ON ONE SIDE

- NOTES:
1. TBV IS LOCATED IN VARIABLE SPEED CONTROLLER BOX ON VARIABLE SPEED CONTROLLER.
 2. TBVP IS LOCATED IN VARIABLE SPEED CONTROLLER BOX.
 3. 1MTA43 IS LOCATED ON BDA-1 (DIGITAL TO ANALOG BOARD).

W6DA3SVP

MARK III

SCHEMATIC: VARIABLE SPEED CONTROLLER

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