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

Schematic/Electrical Parts

Staph-Guard®

Washer-Extractor Mark VI

Controls

42044, 60044, and 72044SP2/3

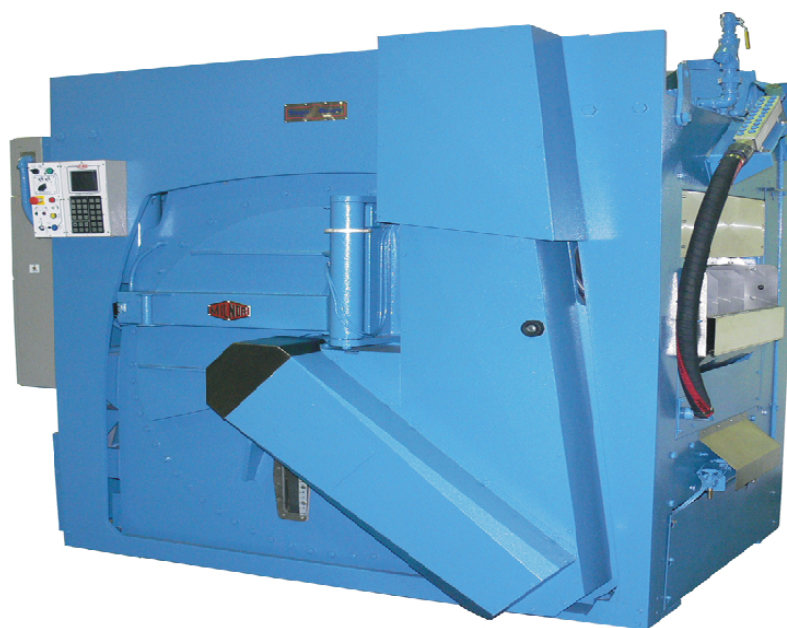


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COMPONENT PARTS LIST

W6W5SSPL/2010133N

<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>
	>>CONTROL BOX LAYOUTS				
001	CONTROL BOARDS INPUTS/OUTPUTS	W6W5SSTG1	B2T2005014	TAG:WP,SP2/3 CNTRL BOARDS	LOW VOLT BOX
002	186 PROCESSOR CONTROL BOX	W6W5SSTG1	B2TAG98040	186 PROCESSOR BOX	PROCESSOR BOX
003	4244 HIGH VOLTAGE CONTROL BOX	W6W5SSTG2	B2T2005003	TAG:4244 SINGLE MOTOR HIGH VT	HIGH VOLT BOX
004	4244 LOW VOLTAGE CONTROL BOX	W6W5SSTG2	B2T2005004	TAG:4244 SINGLE MOTOR LOW VOLT	LOW VOLT BOX
005	6044 HIGH VOLTAGE CONTROL BOX	W6W5SSTG3	B2T2004017	6044WP,SP2/3 HI VOLT BOX	HIGH VOLT BOX
006	6044 INVERTER CONTROL BOX	W6W5SSTG3	B2T2004016	6044WP,SP2/3 INVERTER BOX	INVERTER BOX
007	6044 LOW VOLTAGE CONTROL BOX	W6W5SSTG3	B2T2004015	6044SP2/3 LOW VOLTAGE BOX	LOW VOLT BOX
008	7244SP2/3 HIGH VOLTAGE CONTROL BOX	W6W5SSTG4	B2T2007020	7244WP2/3 MKVI LOW VOLT C-BOX	HIGH VOLT BOX
009	7244SP2/3 LOW VOLTAGE CONTROL BOX	W6W5SSTG4	B2T2008015	TAG:7244SP2 MKVI LOW VLT C-BOX	LOW VOLT BOX
BA	>>PRINTED CIRCUIT BOARDS				
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6W5SSBW	08BSADCT	BD:SERIAL A-D CONVERT->TEST	LOW VOLT BOX
BARG	BOARD-REGULATOR BOARD	W6W5SSEC	08BS5VRT	BOARD 5V REGULATOR->TEST	LOW VOLT BOX
BBB-1	BOARD-MEMORY BATTERY BACKUP	W6W5SSBW	08BSBB1T	BOARD: SER BATT BACKUP-TEST	PROCESSOR BX
BDA-1	BOARD-DIGITAL TO ANALOG CONVERTOR	W6W5SSBW	08BSDACT	BD:SERIAL D-A CONVERTR->TEST	LOW VOLT BOX
BDFP	DISPLAY-MICROPROCESSOR-COLOR FP	W6W5SSEC	08EFD320A	DISPLAY#AV05114KIT#BT057PM	SOIL SWPNL
BFP1	BOARD-COLOR FLAT PANEL INTERFACE	W6W5SSEC	MESSAGE EW	INCLUDED IN KIT FOR BDFP ABOVE	SOIL SWPNL
BFFC	BOARD-COLOR FLAT PANEL CONTROLLER	W6W5SSEC	MESSAGE EW	INCLUDED IN KIT FOR BDFP ABOVE	SOIL SWPNL
BIO-1	BOARD-8OUTPUT/16INPUT #1	W6W5SSBW	08BS816CT	SERIAL 8OUT-16INPUT-TESTED	LOW VOLT BOX
BIO-A	BOARD-8OUTPUT/16INPUT #A (AUTOSPOT)	W6W5SSBW	08BS816CTA	SERIAL 8OUT-16INPUT-AUTOSPOT	LOW VOLT BOX
BLB	BOARD-LEVEL BOARD TRANSDUCER	W6W5SSBW	08BNLTT	LEVEL TRANSDUCER BD->TEST	LOW VOLT BOX
BO24-1	BOARD-24 OUTPUT #1	W6W5SSBW	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BO24-2	BOARD-24 OUTPUT #2	W6W5SSBW	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BO24-3	BOARD-24 OUTPUT #3	W6W5SSBW	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BPB	BOARD-MICROPROCESSOR	W6W5SSBW	08BSPE2T	SERIAL 186 PROC BD+FP->TEST	PROCESSOR BX
BSP	BOARD-SPEED SENSING	W6W5SSVP	08BNDSRBT	BD:SAFETY ROTATION SG 1MR-TEST	LOW VOLT BOX
CB1	CIRCUIT BREAKER-WASH/DRAIN MOTOR	W6W5SSMTA	09FC032CAA	IEC MINI CIR.BREAK 32A 480V3P	HIGH VOLT BX
CB2	CIRCUIT BREAKER-AUTOSPOT MOTOR	W6W5SSMTA	09FC016CAA	IEC MINI CIR.BREAK 16A 480V3P	HIGH VOLT BX
CD	>>RELAY-DELAY				
CDEXN	DELAY EXTRACT HAS ENDED	W6W5SSSPA	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	LOW VOLT BOX
CDS+N	DELAY-DOOR SEAL	W6W5SSS+A	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	LOW VOLT BOX
CDVS	DELAY-ENABLE JOG	W6W5SSS+	09CF002037	TDR F2S 2PDT 11PIN 120V60/50C	LOW VOLT BOX
CL	>>RELAY-LATCH				

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>
CLDCC	LATCH-CLEAN SIDE DOOR (SET)	W6W5SSD	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLDCC	LATCH-CLEAN SIDE DOOR	W6W5SSDA	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLDCC	LATCH-CLEAN SIDE DOOR (RESET)	W6W5SSS+	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLDCD	LATCH-CLEAN SIDE DOOR (SET)	W6W5SSD	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLDCD	LATCH-CLEAN SIDE DOOR	W6W5SSDA	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLDCD	LATCH-CLEAN SIDE DOOR (RESET)	W6W5SSS+	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLPCC	LATCH-TRANSFER TO CLEAN SIDE (SET)	W6W5SSCS	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLPCC	LATCH-TRANSFERMER TO CLEAN SIDE	W6W5SSCSA	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLPCC	LATCH-TRANSFER TO CLEAN SIDE (RESET)	W6W5SSCS	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CR	>>RELAY-PILOT OR CONTROL				
CRAC	RELAY-SPOT OR JOG CLEAN SIDE	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRAD	RELAY-SPOT OR JOG CLEAN SIDE	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRAS	RELAY-DOOR LATCH SOIL SIDE	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASA	RELAY-AUTOSPOT ENABLED	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASB	RELAY-ENABLE RECOGNIZE SLOW	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASI	RELAY-AUTOSPOT DESIRED	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASJ	RELAY-INCH NOT AUTOSPOT	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASK	RELAY-AUTOSPOT JOG DESIRED	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASL	RELAY-AUTOSPOT RECOGNIZE SLOW	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASM	RELAY-AUTOSPOT RECOGNIZE SLOW	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRASS	RELAY-AUTOSPOT STOP	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRAST	RELAY-AUTOSPOT STOP	W6W5SSASA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRAT	RELAY-DOOR LATCH SOIL SIDE	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRC01	RELAY-CHEM INTERPERT #1	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC02	RELAY-CHEM INTERPERT #2	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC03	RELAY-CHEM INTERPERT #3	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC04	RELAY-CHEM INTERPERT #4	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC05	RELAY-CHEM INTERPERT #5	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC06	RELAY-CHEM INTERPERT #6	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC07	RELAY-CHEM INTERPERT #7	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC08	RELAY-CHEM INTERPERT #8	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC09	RELAY-CHEM INTERPERT #9	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC10	RELAY-CHEM INTERPERT #10	W6W5SSSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX

COMPONENT PARTS LIST

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CRC11	RELAY-CHEM INTERPERT #11	W6W5SSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC12	RELAY-CHEM INTERPERT #12	W6W5SSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC13	RELAY-CHEM INTERPERT #13	W6W5SSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC14	RELAY-CHEM INTERPERT #14	W6W5SSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC15	RELAY-CHEM INTERPERT #15	W6W5SSCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRCCR	RELAY-TRANSFER TO SOIL SIDE	W6W5SSCS	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRCCR	RELAY-TRANSFER TO SOIL SIDE	W6W5SSCSA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPCC	RELAY-CLEAN SIDE HAS CONTROL	W6W5SSCS	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPCC	RELAY-CLEAN SIDE HAS CONTROL	W6W5SSCSA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPCD	RELAY-CLEAN SIDE HAS CONTROL	W6W5SSCSA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPCO	RELAY-OPEN CLEAN SIDE DOOR	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPLA	RELAY-SOIL AND CLEAN SIDE DOORS CLOSED	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPLA	RELAY-DOOR LATCHED ON CLEAN SIDE	W6W5SSSPA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPLC	RELAY-DOOR LATCH CLEAN SIDE	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPLC	RELAY-DOOR LATCH CLEAN SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	LOW VOLT BOX
CRPLS	RELAY-SPOT OR JOG SOIL SIDE	W6W5SSD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRPLS	RELAY-DOOR LATCH CLEAN SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	LOW VOLT BOX
CRS+	RELAY-START 3-WIRE	W6W5SSS+	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRS+	RELAY-START 3-WIRE	W6W5SSS+A	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRS+A	RELAY-START 3-WIRE	W6W5SSS+	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRS+S	RELAY-START 3-WIRE	W6W5SSS+A	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRSOC	RELAY-STOP CLEAN SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	LOW VOLT BOX
CRSOE	RELAY-STOP CLEAN SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	LOW VOLT BOX
CRSOS	RELAY-STOP SOIL SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	LOW VOLT BOX
CRSOT	RELAY-STOP SOIL SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	LOW VOLT BOX
CRSP	RELAY-SPEED	W6W5SSSPA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRSS	RELAY-START SOIL SIDE	W6W5SSS+A	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CS	>>CONTACTOR-MOTOR STARTER				
CSDR	CONTACTOR-DRAIN MOTOR	W6W5SSMCA	09MC04E337	32A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE1	CONTACTOR-LO EXTRACT MOTOR	W6W5SSMCA	09MC04L337	60A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE2	CONTACTOR-HI EXTRACT MOTOR	W6W5SSMCA	09MC04L337	60A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSJC	CONTACTOR-AUTOSPOT CLOCKWISE	W6W5SSMCA	09MR04B337	12A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSV5	CONTACTOR-VARIABLE SPEED 4244	W6W5SSS+	09M08G337	37A 3P MCS CONT NR 120V5/6	HIGH VOLT BX

COMPONENT PARTS LIST

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CSVS	CONTACTOR-VARIABLE SPEED 6044	W6W5SSS+	09M08N337	72A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSWA	CONTACTOR-REVERSING WASH CCW	W6W5SSMCA	09MR04J337	44A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSWC	CONTACTOR-REVERSING WASH CW	W6W5SSMCA	09MR04J337	44A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
EB	>>BUZZER OR AUDIBLE SIGNAL				
EBPCC	BUZZER-CLEAN SIDE SIGNAL	W6W5SSD	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	CLEAN SWPNL
EBPCC	BUZZER-CLEAN SIDE SIGNAL AUDIBLE	W6W5SSDA	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	CLN SIDESWPL
EBSG	BUZZER-SIGNAL SOIL SIDE	W6W5SSS+	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SOIL SWPNL
EBSG	BUZZER-SIGNAL SOIL SIDE	W6W5SSS+A	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SOIL SWPNL
EF	>>FUSE OR FUSE HOLDER				
EF16X	FUSE-AUTOSPOT CLUTCH X-BUS	W6W5SSMCA	09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	HIGH VOLT BX
EF16Y	FUSE-AUTOSPOT CLUTCH Y-BUS	W6W5SSMCA	09FF002AMG	FUSE BK/MDX 2 AMP 250V BUSS	HIGH VOLT BX
EF37	FUSE-120VAC CONTROL CIRCUIT	W6W5SSPS	09FF006AMA	FUSE BK/ABC 6 AMP 250V BUSS	HIGH VOLT BX
EFP1	FUSE-PRIMARY INCOMING VOLTAGE	W6W5SSPS	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EFP2	FUSE-PRIMARY INCOMING VOLTAGE	W6W5SSPS	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EL	>>LIGHT-PILOT OR INDICATOR				
ELASC	LIGHT-AUTOSPOT STOP CLEAN SIDE	W6W5SSASA	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CLN SIDE SWPL
ELASS	LIGHT-AUTOSPOT STOP SOIL SIDE	W6W5SSASA	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SWITCH PANEL
ELPCG	LIGHT-CLEAN SIDE HAS CONTROL	W6W5SSCS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CLEAN SWPNL
ELPCG	LIGHT-CLEAN SIDE HAS CONTROL	W6W5SSCSA	09J060G37	LAMP 1/2" GRN 125V IDI 1052QC3	CLN SIDE SWPL
ELPCR	LIGHT-CLEAN SIDE DOES NOT HAVE CONTROL	W6W5SSCS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CLEAN SWPNL
ELPCR	LIGHT-SOIL SIDE HAS CONTROL	W6W5SSCSA	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CLN SIDE SWPL
ELPS	LIGHT-POCKET SPOTTED SOIL	W6W5SSAS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	A-SPOT SP SOIL
ELPS	LIGHT-POCKET SPOTTED CLEAN	W6W5SSAS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	A-SPOT SP CLEAN
ELPSG	LIGHT-SOIL SIDE HAS CONTROL	W6W5SSCS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SOIL SWPNL
ELPSG	LIGHT -SOIL SIDE HAS CONTROL	W6W5SSCSA	09J060R37	LAMP 1/2" RED 125V IDI 1050QC1	SWITCH PANEL
ELPSR	LIGHT-SOIL SIDE DOES NOT HAVE CONTROL	W6W5SSCS	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SOIL SWPNL
ELPSR	LIGHT-SOIL SIDE NOT CONTROLLING	W6W5SSCSA	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL SOIL SIDE	W6W5SSS+	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SOIL SWPNL
ELSG	LIGHT-SIGNAL SOIL SIDE	W6W5SSS+A	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SOIL SWPNL
EMAS	CLUTCH-AUTOSPOT	W6W5SSMCA	54H164A	CLUTCH 12VDC MAPM02	DRIVE BASE
EMSPC	SWITCH-EMERGENCY STOP CLEAN SIDE	W6W5SSDA	09N505	SW ASSY EMER STOP	CLN SIDE SWPL
EMSPS	SWITCH-EMERGENCY STOP SOIL SIDE	W6W5SSDA	09N505	SW ASSY EMER STOP	SWITCH PANEL
ES	>>POWER SUPPLY-ELECTRONIC				

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
ESPS	POWER SUPPLY-120V TO +12,-12,+5V	W6W5SSBW	08PSS3401T	30 WATT POWER SUPPLY TESTED	LOW VOLT BOX
ET	>>OVERLOAD-MOTORS				
ETDR	OVERLOAD-DRAIN 72 ALL	W6W5SSMTA	09FTC0120T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX
ETE1	OVERLOAD-LOW EXT 72"<346V	W6W5SSMTA	09FTC0230T	OL RELAY 23-75A AB#193-A3K3	HIGH VOLT BX
ETE1	OVERLOAD-LOW EXT 72">346V	W6W5SSMTA	09FTC0140T	OL RELAY 14-45A AB#193-A3J2	HIGH VOLT BX
ETE2	OVERLOAD-LOW EXT. 72" <346V	W6W5SSMTA	09FTC0230T	OL RELAY 23-75A AB#193-A3K3	HIGH VOLT BX
ETE2	OVERLOAD-HIGH EXT. 72" >346V	W6W5SSMTA	09FTC0140T	OL RELAY 14-45A AB#193-A3J2	HIGH VOLT BX
ETVS	OVERLOAD-INVERTER 4244	W6W5SVS	09FTD0121T	MCS OL RELAY ADJ.RANGE 12-37	HIGH VOLT BX
ETVS	OVERLOAD-INVERTER 6044	W6W5SVS	09FTD0230T	MCS OL RELAY ADJ.RANGE 23-75	HIGH VOLT BX
ETWA	OVERLOAD-WASH 72" <346V	W6W5SSMTA	09FTC0121T	OL RELAY 12-38A AB #193-A3H2	HIGH VOLT BX
ETWA	OVERLOAD-WASH ,72">346V	W6W5SSMTA	09FTC0120T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX
EX	>>TRANSFORMERS				
EX37-1	TRANSFORMER-208/240>120VAC	W6W5SSPS	09UA025A37	XFMR 200-240PRI/120SEC 250V5/6	HIGH VOLT BX
EX37-2	TRANSFORMER-380/480>120VAC	W6W5SSPS	09UA025AAB	XFMR 380-480PRI/120-240SEC250V	HIGH VOLT BX
EX37-3	TRANSFORMER-600>120VAC	W6W5SSPS	09U251AB37	XFMR 600VPRI/120VSC-250VA-3%REG	HIGH VOLT BX
EXAS	TRANSFORMER-120V-16VAC	W6W5SSMCA	09UB100A16	XFMR 120/240VP EBR 12VDC 90 WATT	AUTOSPOT BOX
MS	MOTOR SAVER	W6W5SSVP	09X370	VOLT.MONT-MTR SAVER 190-480VAC	HIGH VOLT BOX
MS	MOTOR SAVER	W6W5SSVPA	09X370	VOLT.MONT-MTR SAVER 190-480VAC	HIGH VOLT BOX
MT	>>FAN				
MT	>>MOTORS				
MTD	MOTOR-DRIVE	W6W5SSVP	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTVS	FAN-INVERTER COOLING (4244)	W6W5SSS+	13AF100A37	FAN 92CFM115V60	HIGH VOLT BX
MTVS	FAN-INVERTER COOLING (6044)	W6W5SSS+	13AF235A37	FAN 235CFM 115V 50/60	HIGH VOLT BX
MV	>>MOTOR POWER INVERTERS				
MVDBR	RESISTOR-DYNAMIC BRAKE 4244 ALL	W6W5SSVP	09MV020RES	RESISTOR 20 OHM 300WATT	INVERTER BOX
MVDBR	RESISTOR-DYNAMIC BRAKE 6044 ALL	W6W5SSVPA	09MV011RET	RESISTOR 11 OHM 1000 WATT	RESISTOR BOX
MVDBU	BRAKING UNIT-INVERTER LOW VOLT ONLY	W6W5SSVPA	09MVB725LC	BRAKEMODULE OPEN CHASIS INVERT	RESISTOR BOX
MVINR	REACTOR-IN LINE INVERTER 4244 (LOW VOLT)	W6W5SSVP	09MX300A74	REACTOR 25/30HP 230V 80A	HIGH VOLT BX
MVINR	REACTOR-IN LINE INVERTER 4244 (HIGH VOLT)	W6W5SSVP	09MX300A96	REACTOR 30HP 460V 45A	HIGH VOLT BX
MVINR	REACTOR-IN LINE INVERTER 6044 (LOW VOLT)	W6W5SSVPA	09MX600A74	REACTOR 150HP 230V 200A	INVERTER BOX
MVINR	REACTOR-IN LINE INVERTER 6044 (HIGH VOLT)	W6W5SSVPA	09MX600A96	REACTOR 50/60HP 460V 80A	INVERTER BOX
MVINV	INVERTER-SINGLE MOTOR DRIVE 4244 LOW VOLT	W6W5SSVP	09MWA07174	F7 INVERTER 71AMP	HIGH VOLT BX
MVINV	INVERTER-SINGLE MOTOR DRIVE 4244 HIGH VOLT	W6W5SSVP	09MWA03996	INVERTER 39AMPS 480V F7	HIGH VOLT BX

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>		<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
MVINV	INVERTER-SINGLE MOTOR DRIVE 6044 (LOW VOLTW6W5SSVPA			09MWA14574	F7 INVERTER 145 AMPS	INVERTER BOX
MVINV	INVERTER-SINGLE MOTOR DRIVE 6044 (HIGH VOLTW6W5SSVPA			09MWA07596	F7 INVERTER 75 AMP	INVERTER BOX
MVLF	FILTER-INVERTER		W6W5SSVP	09MVFILTR1	RFI NOISE INPUT FILTER	HIGH VOLT BX
MVLF	FILTER-INVERTER		W6W5SSVPA	09MVFILTR1	RFI NOISE INPUT FILTER	INVERTER BOX
PX	>>PROXIMITY SWITCH					
PX1C	PROX SW-POCKET 1 SPOTTED CLEAN		W6W5SSAS	09RPS07RDS	7MM SENSING RECTANGULAR SHLD	AUTOSPOT ASSY
PX1S	PROX SW-POCKET 1 SPOTTED SOIL		W6W5SSAS	09RPS07RDS	7MM SENSING RECTANGULAR SHLD	AUTOSPOT ASSY
PX2C	PROX SW-POCKET 2 SPOTTED CLEAN		W6W5SSAS	09RPS07RDS	7MM SENSING RECTANGULAR SHLD	AUTOSPOT ASSY
PX2S	PROX SW-POCKET 2 SPOTTED SOIL		W6W5SSAS	09RPS07RDS	7MM SENSING RECTANGULAR SHLD	AUTOSPOT ASSY
PXSP	PROX SW-SPEED PROX		W6W5SSVP	09RPS07RDS	7MM SENSING RECTANGULAR SHLD	AUTOSPOT ASSY
SCAS1	SWITCH-AUTOSPOT ENABLE SOIL SIDE		W6W5SSASA	09R015	ACTUATOR,MICROSW #JV-9 (CLASS 004)	ASPT SENSOR
SCAS2	SWITCH-ASPT SELECT 2ND POCK SOIL		W6W5SSASA	09R015	ACTUATOR,MICROSW #JV-9 (CLASS 004)	ASPT SENSOR
SCAS3	SWITCH-ASPT SELECT 3ND POCK SOIL		W6W5SSASA	09R015	ACTUATOR,MICROSW #JV-9 (CLASS 004)	ASPT SENSOR
SCAS4	SWITCH-AUTOSPOT ENABLE CLEAN SIDE		W6W5SSASA	09R015	ACTUATOR,MICROSW #JV-9 (CLASS 004)	ASPT SENSOR
SCAS5	SWITCH-AUTOSPOT 2ND POCK CLEAN SIDE		W6W5SSACA	09R014A	MINI-SW SPDT STAKON #V15G1C26K	ASPT SENSOR
SCAS6	SWITCH-AUTOSPOT 3RD POCK CLEAN SIDE		W6W5SSACA	09R014A	MINI-SW SPDT STAKON #V15G1C26K	ASPT SENSOR
SH	>>SWITCH-HAND OPERATED					
SHASC	SWITCH-DESIRES AUTOSPOT POCKET CLEAN		W6W5SSACA	09N041R	ROTSW 2POLE 8POSIT 5A125V ULCSA	CLEAN SWPNL
SHASC	SWITCH-DESIRES AUTOSPOT POCKET CLEAN		W6W5SSAS	09N041R	ROTSW 2POLE 8POSIT 5A125V ULCSA	CLEAN SWPNL
SHASC	SWITCH-DESIRES AUTOSPOT POCKET CLEAN		W6W5SSVP	09N041R	ROTSW 2POLE 8POSIT 5A125V ULCSA	CLEAN SWPNL
SHASS	SWITCH-DESIRES AUTOSPOT POCKET SOIL		W6W5SSAS	09N041R	ROTSW 2POLE 8POSIT 5A125V ULCSA	SOIL SWPNL
SHASS	SWITCH-AUTOSPOT POCKET SOIL SIDE		W6W5SSASA	09N041R	ROTSW 2POLE 8POSIT 5A125V ULCSA	SWITCH PANEL
SHASS	SWITCH-DESIRES AUTOSPOT POCKET SOIL		W6W5SSVP	09N041R	ROTSW 2POLE 8POSIT 5A125V ULCSA	SOIL SWPNL
SHC+C	SWITCH-CLEAN SIDE INCH AUTOSPOTTING		W6W5SSD	09N405PB10	SWASS PBBK 1NO	CLEAN SWPNL
SHCCR	SWITCH-TRANSFER TO SOIL SIDE		W6W5SSCS	09N405PB11	SWASS PBBK1NO/1NC	CLEAN SWPNL
SHCCR	SWITCH-TRANSFER TO SOIL SIDE		W6W5SSCSA	09N405PB11	SWASS PBBK1NO/1NC	SWPNL CLEAN
SHDOC	SWITCH-DOOR OPEN CLEAN SIDE		W6W5SSD	09N405PB11	SWASS PBBK1NO/1NC	CLEAN SWPNL
SHDOC	SWITCH-DOOR OPEN CLEAN SIDE		W6W5SSDA	09N405PB11	SWASS PBBK1NO/1NC	SWPNL CLEAN
SHDOC	SWITCH-DOOR OPEN CLEAN SIDE		W6W5SSS+	09N405PB11	SWASS PBBK1NO/1NC	CLEAN SWPNL
SHDOS	SWITCH-DOOR OPEN SOIL SIDE		W6W5SSD	09N405PB11	SWASS PBBK1NO/1NC	SOIL SWPNL
SHDOS	SWITCH-DOOR OPEN SOIL SIDE		W6W5SSDA	09N405PB11	SWASS PBBK1NO/1NC	SWITCH PANEL
SHMD	SWITCH-LOCAL/REMOTE (MILDATA)		W6W5SSI1	09N405PB11	SWASS PBBK1NO/1NC	PROCESSOR BX
SHS	SWITCH-STOP SOIL SIDE		W6W5SSDA	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL

COMPONENT PARTS LIST

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SHS+	SWITCH-START SOIL SIDE	W6W5SSD	09N405PG10	SWASS PBGN 1NO	SOIL SWPNL
SHS+	SWITCH-START 3-WIRE	W6W5SSS+	09N405PG10	SWASS PBGN 1NO	SOIL SWPNL
SHS+	SWITCH-START 3-WIRE	W6W5SSS+A	09N405PG10	SWASS PBGN 1NO	SOIL SWPNL
SHS+C	SWITCH-INCH-AUTOSPOT CLEAN SIDE	W6W5SSDA	09N405PG10	SWASS PBGN 1NO	SWPNL CLEAN
SHSEC	SWITCH-EMERGENCY STOP	W6W5SSS+	09N505	SW ASSY EMER STOP	CLEAN SWPNL
SHSG	SWITCH-SIGNAL CANCEL	W6W5SSI1	09N405PY10	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SOIL SWPNL
SHSMA	SWITCH-MASTER	W6W5SSSPA	09N405M210	SWASS PB YELLOW INO	SOIL SWPNL
SHSMA	SWITCH-MASTER	W6W5SSSP	09N405M210	SWASS PB YELLOW INO	SOIL SWPNL
SHSOS	SWITCH-EMERGENCY STOP	W6W5SSS+	09N505	SW ASSY EMER STOP	SOIL SWPNL
SHWCF	SWITCH-SPRAY/FLUCH	W6W5SSCF	09N405S320	SWASS S3W 2NO	5 COMP. SUPPLY
SHWJC	SWITCH-JOG CLEAN SIDE	W6W5SSACA	09N405S211	SWASS S2W 1NO+1NC	CLEAN SWPNL
SHWJC	SWITCH-JOG CLEAN SIDE	W6W5SSVP	09N405S211	SWASS S2W 1NO+1NC	CLEAN SWPNL
SHWJC	SWITCH-JOG CLEAN SIDE	W6W5SSVPA	09N405S211	SWASS S2W 1NO+1NC	CLEAN SWPNL
SHWJS	SWITCH-JOG SOIL SIDE	W6W5SSASA	09N405M211	SWASS M2W 1NO+1NC	SWITCH PANEL
SHWJS	SWITCH-JOG SOIL SIDE	W6W5SSVP	09N405S211	SWASS S2W 1NO+1NC	SOIL SWPNL
SHWJS	SWITCH-JOG SOIL SIDE	W6W5SSVPA	09N405S211	SWASS S2W 1NO+1NC	SOIL SWPNL
SK	>>SWITCH-KEY OPERATED				
SKPR	SWITCH-RUN/PROGRAM (KEY OP)	W6W5SSI1	09N127C	KEYSW SPST 7A120VAC SCREW TERM	SOIL SWPNL
SM	>>SWITCH-MECHANICALLY OPERATED				
SMCD	SWITCH-SECONDARY DOOR SWITCH CLEAN	W6W5SSS+	09RM01212S	CAPSW 12FT 180DEG ROLLER SILVER	CLEAN DOOR
SMCD2	SWITCH-SECONDARY DOOR SWITCH CLEAN	W6W5SSS+A	09RM01212S	CAPSW 12FT 180DEG ROLLER SILVER	CLEAN DOOR
SMERB	SWITCH-EXCURSION	W6W5SSS+	09R008A	MICSW SPDT PAINTED BZE6-RN 01	MACH HOUSE
SMERB	SWITCH-EXCURSION	W6W5SSS+A	09R008A	MICSW SPDT PAINTED BZE6-RN 01	MACH HOUSE
SMPLC	SWITCH-DOOR (LATCH) CLEAN SIDE	W6W5SSD	09R012	MICSW SPDT PAINTED BZE6-RN 01	CLEAN DOOR
SMPLC	SWITCH-DOOR CLOSED CLEAN SIDE	W6W5SSDA	09R012	MICSW SPDT PAINTED BZE6-RN 01	CLN SIDE DOOR
SMPLS	SWITCH-DOOR (LATCH) SOIL SIDE	W6W5SSD	09R012	MICSW SPDT PAINTED BZE6-RN 01	SOIL DOOR
SMPLS	SWITCH-DOOR CLOSED SOIL SIDE	W6W5SSDA	09R012	MICSW SPDT PAINTED BZE6-RN 01	SOIL SIDE DR
SMSD	SWITCH-SECONDARY DOOR SWITCH	W6W5SSS+	09RM01212S	CAPSW 12FT 180DEG ROLLER SILVER	SOIL DOOR
SMSD2	SWITCH-SECONDARY DOOR SWITCH SOIL	W6W5SSS+A	09RM01212S	CAPSW 12FT 180DEG ROLLER SILVER	SOIL DOOR
SMWVB	SWITCH-MACHINE VIBRATION	W6W5SSS+	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWITCH-MACHINE VIBRATION	W6W5SSS+A	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	HIGH VOLT BX
SP	>>SWITCH-PRESSURE OPERATED				
SPB2R	SWITCH SECOND BRAKE PRESSURE	W6W5SSS+A	09N082A	PRESSW NASON CLOSE @ 62 LB.	AIR VALVE BX

COMPONENT PARTS LIST

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SPBR	PRESSURE SW-BRAKE	W6W5SSI1	09N082A	PRESSW NASON CLOSE @ 62 LB.	AIR VALVE BX
TP	TEMPERATURE PROBE	W6W5SSBW	30R0043PB	TEMPERATURE PROBE ASSY=BRASS	DRAIN SUMP
TP	>>TEMPERATURE PROBE				
VE	>>VALVE-ELECTRIC OPERATED				
VEAS	VALVE-AUTOSPOT SW ENGAGE	W6W5SSASA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEB2R	VALVE-2ND BRAKE	W6W5SSSPA	96R302B37	1/8" AIRPILOT 3W NO 120V50/60	AIR VALVE BX
VEB2R	VALVE-2ND BRAKE	W6W5SSSP	96R302B37	1/8" AIRPILOT 3W NO 120V50/60	AIR VALVE BX
VEC01	VALVE-CHEMICAL #1 FLUSH	W6W5SSCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC02	VALVE-CHEMICAL #2 FLUSH	W6W5SSCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC03	VALVE-CHEMICAL #3 FLUSH 4244	W6W5SSCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC03	VALVE-CHEMICAL #3 FLUSH 6044	W6W5SSCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC04	VALVE-CHEMICAL #4 FLUSH 4244	W6W5SSCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC04	VALVE-CHEMICAL #4 FLUSH 6044	W6W5SSCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC05	VALVE-CHEMICAL #5 FLUSH 4244	W6W5SSCF	96TCC2AA37	3/8" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC05	VALVE-CHEMICAL #5 FLUSH 6044	W6W5SSCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC06	VALVE-CHEMICAL #6	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC07	VALVE-CHEMICAL #7	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC08	VALVE-CHEMICAL #8	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC09	VALVE-CHEMICAL #9	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC10	VALVE-CHEMICAL #10	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC11	VALVE-CHEMICAL #11	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC12	VALVE-CHEMICAL #12	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC13	VALVE-CHEMICAL #13	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC14	VALVE-CHEMICAL #14	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEC15	VALVE-CHEMICAL #15	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VECFM	VALVE-FLUSH MANIFOLD	W6W5SSCX	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	SUPPLY VLVST
VEDRR	VALVE-DRAIN TO REUSE	W6W5SSEV	96R302B37	1/8" AIRPILOT 3W NO 120V50/60	AIR VALVE BX
VEDRR	VALVE-DRAIN TO REUSE	W6W5SSEVA	96R302B37	1/8" AIRPILOT 3W NO 120V50/60	AIR VALVE BX
VEDRS	VALVE-DRAIN TO SEWER	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEDRS	VALVE-DRAIN TO SEWER	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEPCC	VALVE-DOOR SEAL CLEAN SIDE	W6W5SSD	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEPCC	VALVE-DOOR SEAL CLEAN SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEPLC	VALVE-DOOR LATCH CLEAN SIDE	W6W5SSD	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX

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VEPLC	VALVE-DOOR LATCH CLEAN SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEPLS	VALVE-DOOR LATCH SOIL SIDE	W6W5SSD	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEPLS	VALVE-DOOR LATCH SOIL SIDE	W6W5SSDA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEPPI	VALVE-INFLATE DOOR SEAL SOIL SIDE	W6W5SSSS+A	96T1001A37	SOLENOID 120V #238210-032-D	AIR VALVE BX
VEPPS	VALVE-DOOR SEAL SOIL SIDE	W6W5SSSS+	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VESC	VALVE-SPRAY	W6W5SSSCF	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VESTM	VALVE-STEAM PILOT	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VESTM	VALVE-STEAM PILOT	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VETCW	VALVE-COOLDOWN WATER	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VETCW	VALVE-COOLDOWN WATER	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWBR	VALVE-BRAKE (RELEASE BRAKE WHEN ON)	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWBR	VALVE-BRAKE (RELEASE BRAKE WHEN ON)	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWBR	VALVE-RELEASES UPPER BRAKE	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWBR	VALVE-RELEASES UPPER BRAKE	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWCL	VALVE-CLUTCH	W6W5SSSPA	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCLA	VALVE-CLUTCH	W6W5SSSPA	96R302B37	1/8" AIRPILOT 3W NO 120V50/60	AIR VALVE BX
VEWPD	VALVE-PUSH DOWN	W6W5SSSPA	96TCC3AA37	3/8" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWPD	VALVE-PUSH DOWN	W6W5SSSP	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWVC	VALVE-COLD WATER	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWVC	VALVE-COLD WATER	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWVH	VALVE-HOT WATER	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWVH	VALVE-HOT WATER	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWVX	VALVE-EXTRA WATER	W6W5SSEV	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
VEWVX	VALVE-EXTRA WATER	W6W5SSEVA	96R301B37	1/8" AIRPILOT 3W NC 120V50/60	AIR VALVE BX
ZFAS	RECTIFIER-AUTOSPOT	W6W5SSMCA	09A020EBR	RECTIFIER (EBR) 15A/600PIV	AUTOSPOT 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, 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 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.

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.

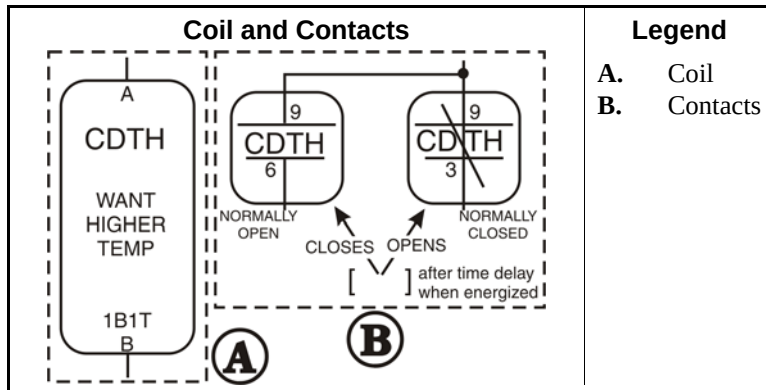
CB=Circuit Breaker (Figure 1)—Automatic switch that opens an electric circuit in abnormal current conditions (e.g., an overload).

Figure 1: Circuit Breaker (CB)



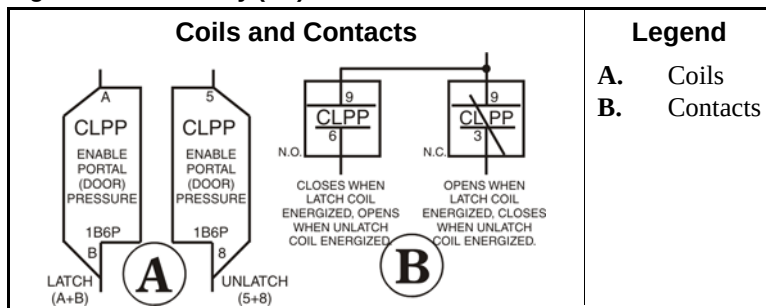
CD=Control, Time Delay Relay (Figure 2)—A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.

Figure 2: Time Delay Relay (CD)



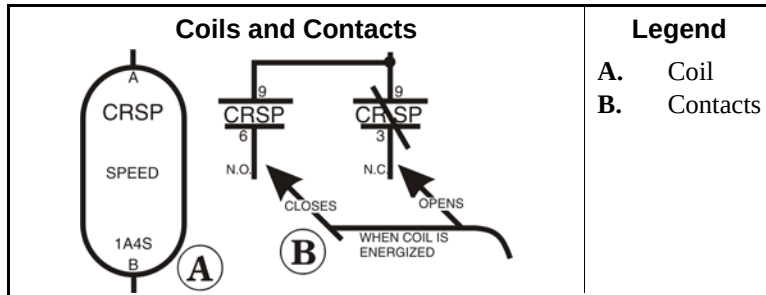
CL=Control, Latch Relay (Figure 3)—A relay which latches in an energized or set position when operated by one coil (the latch/set coil). The relay stays latched even though coil voltage is removed. The relay releases or unlatches when voltage is applied to a second coil (the unlatch/reset coil).

Figure 3: Latch Relay (CL)



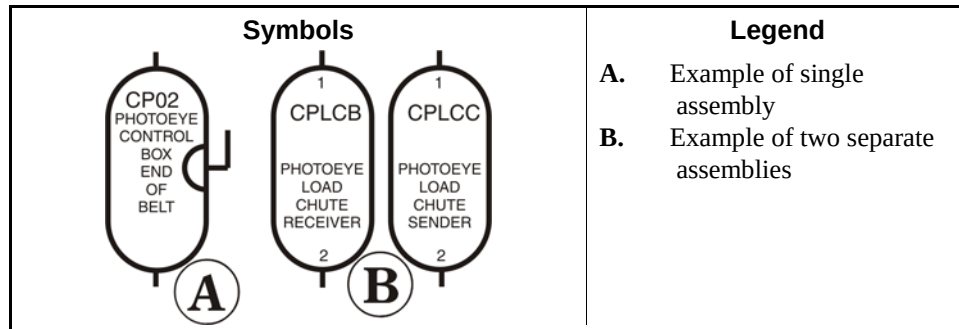
CR=Control, Relay (Figure 4)—A relay whose contacts switch immediately when voltage is applied to its coil and revert to normal when the voltage is removed.

Figure 4: Standard Relay (CR)



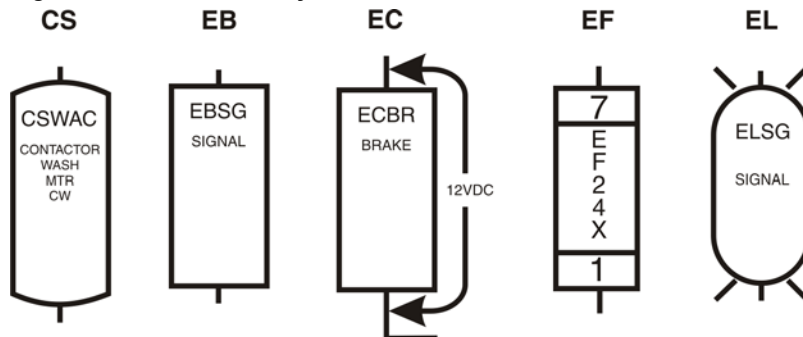
CP=Control, Photo-Eye (Figure 5)—Photo-eyes sense the presence of an object without direct physical contact. Photo-eyes consist of a transmitter, receiver, and output module. These components may be housed in one assembly with the transmitter bouncing light off of a reflector to the receiver, or these 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.

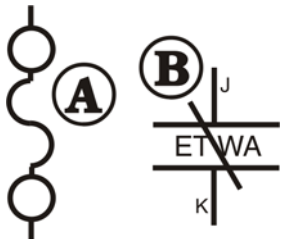
EL=Electric Light (Figure 6)—Indicator lights may be either incandescent or fluorescent.

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.

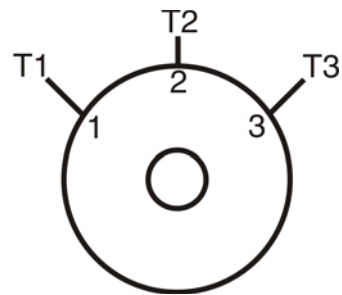
MN=Electronic Monitor (CRT)—A cathode ray tube used for visual presentation of data.

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

Figure 8: Transformer (EX)



Figure 9: Electric Motor (MR)

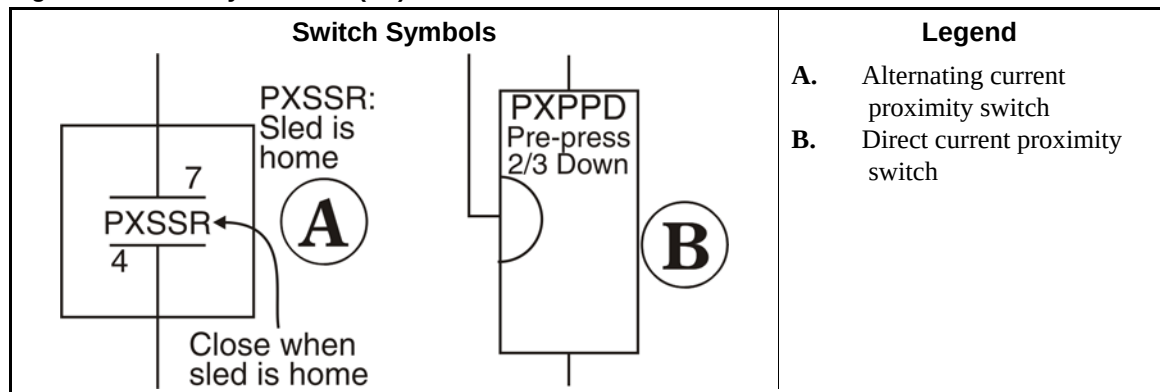


MV=Motor (Variable Speed) Inverter—To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained. The motor variable speed inverter converts three phase AC to DC. The inverter then uses this DC voltage to generate AC at the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

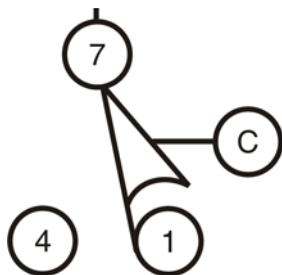
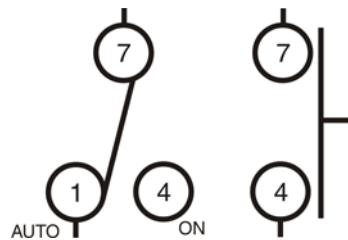


Figure 12: Hand Operated Switch (SH)



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)

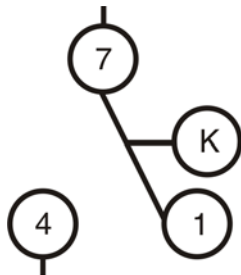
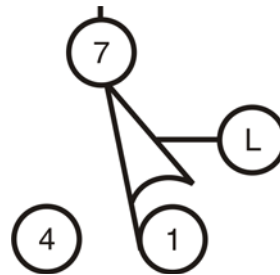


Figure 14: Level Switch (SL)



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)

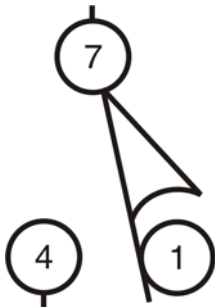
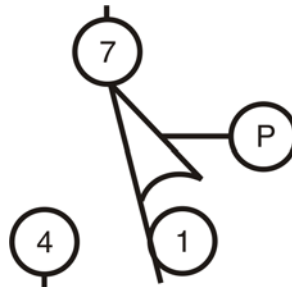


Figure 16: Pressure Switch (SP)



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)

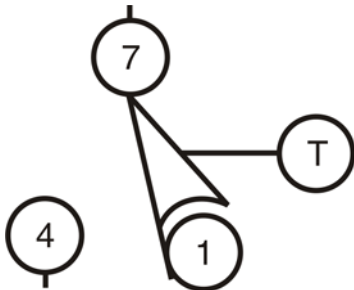
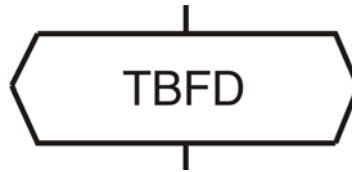


Figure 18: Terminal Board (TB)



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)

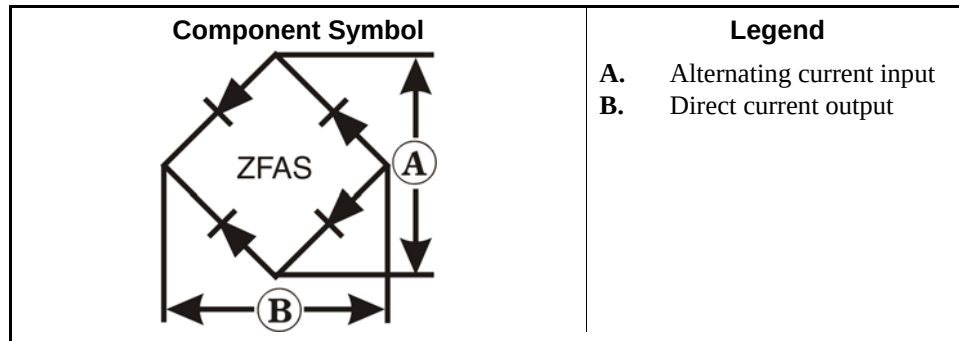
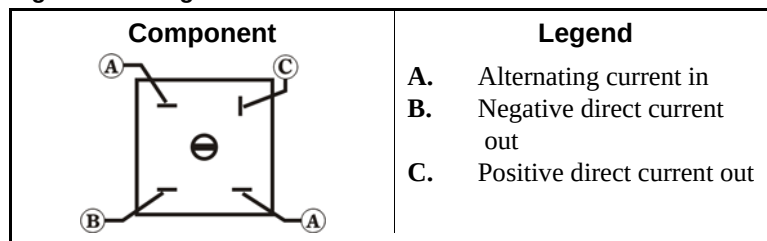


Figure 21: Bridge Rectifier



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.

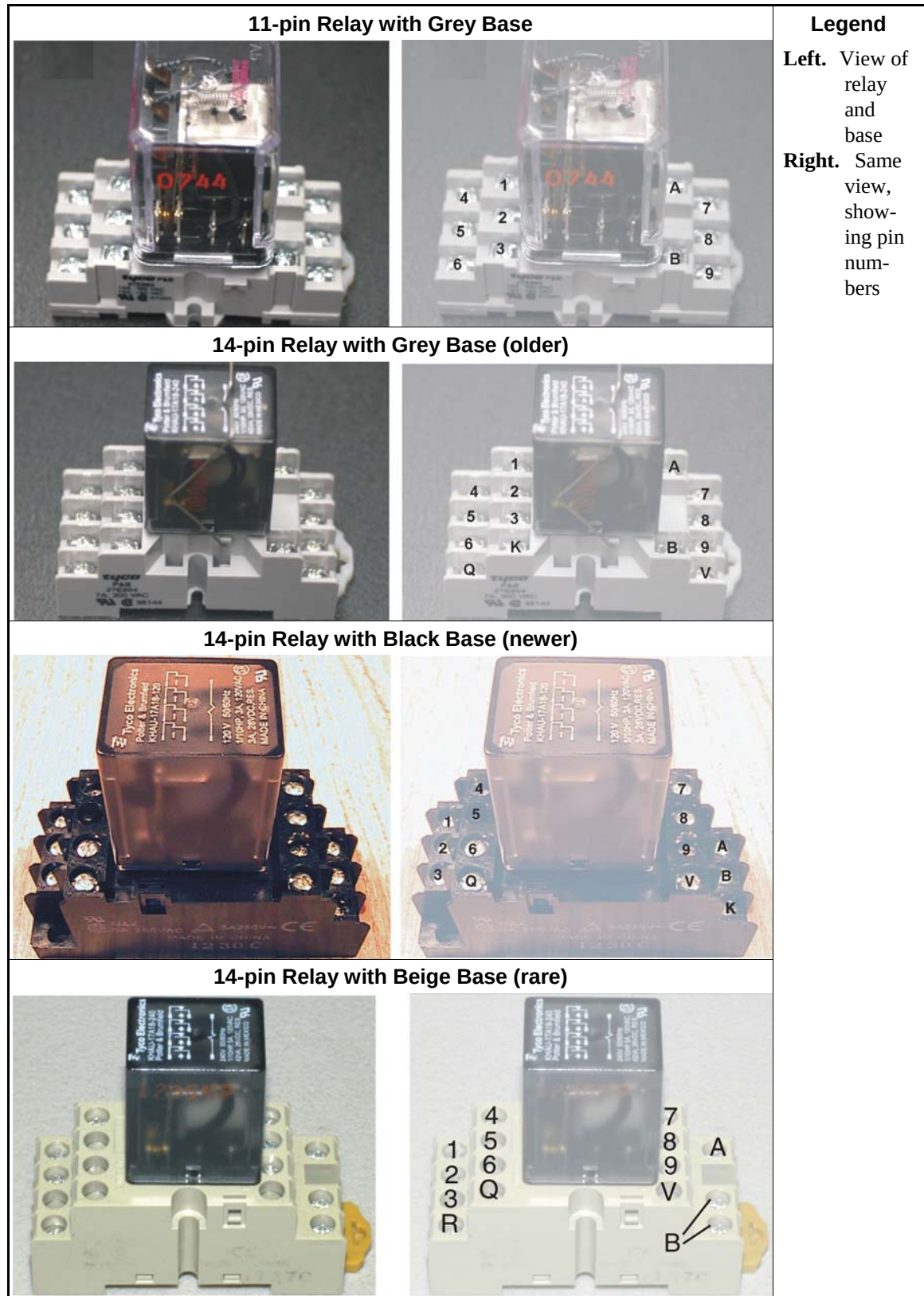
2. Component Terminal Numbering



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

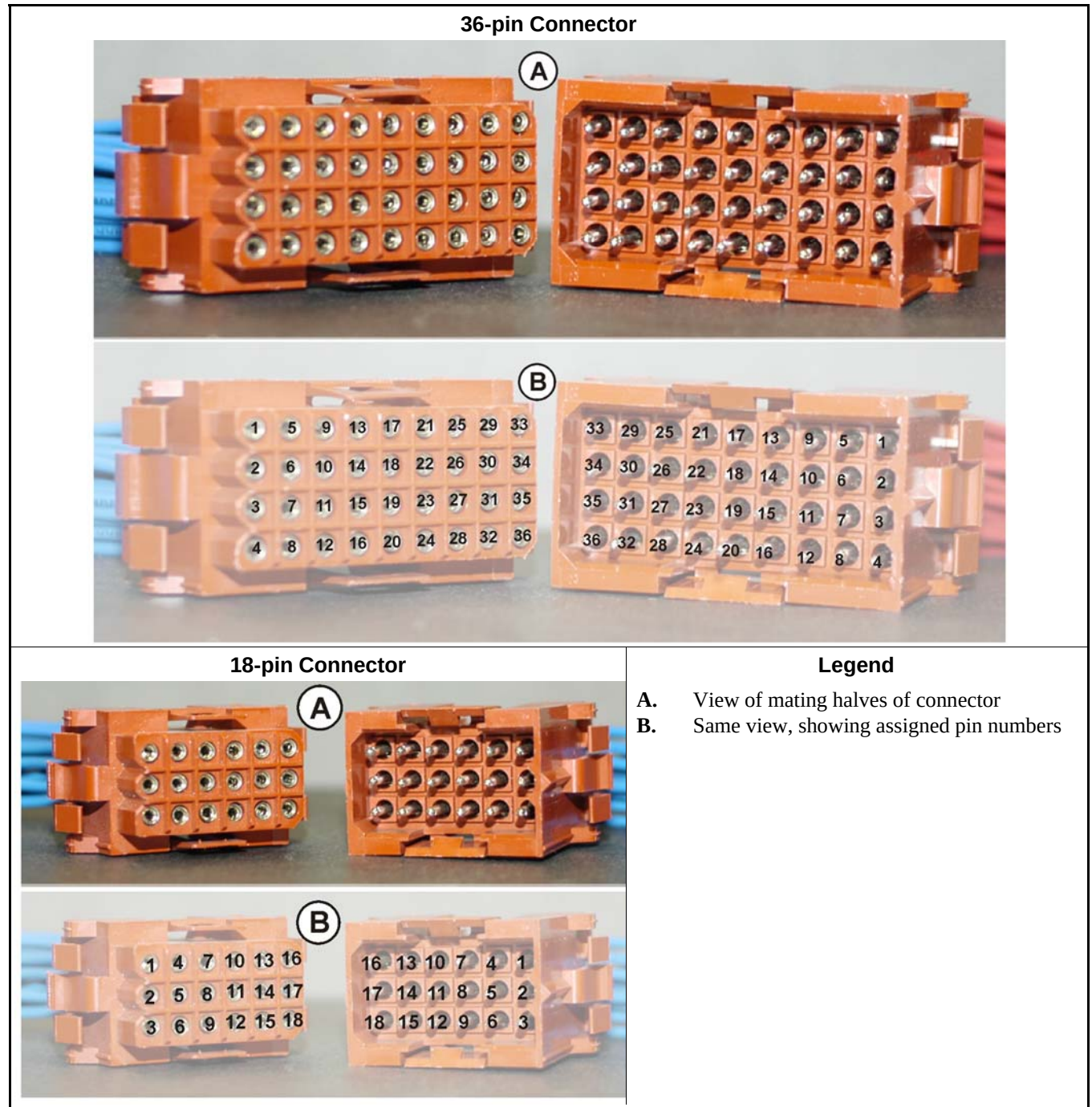


Figure 24: Molex Connector Pin Locations

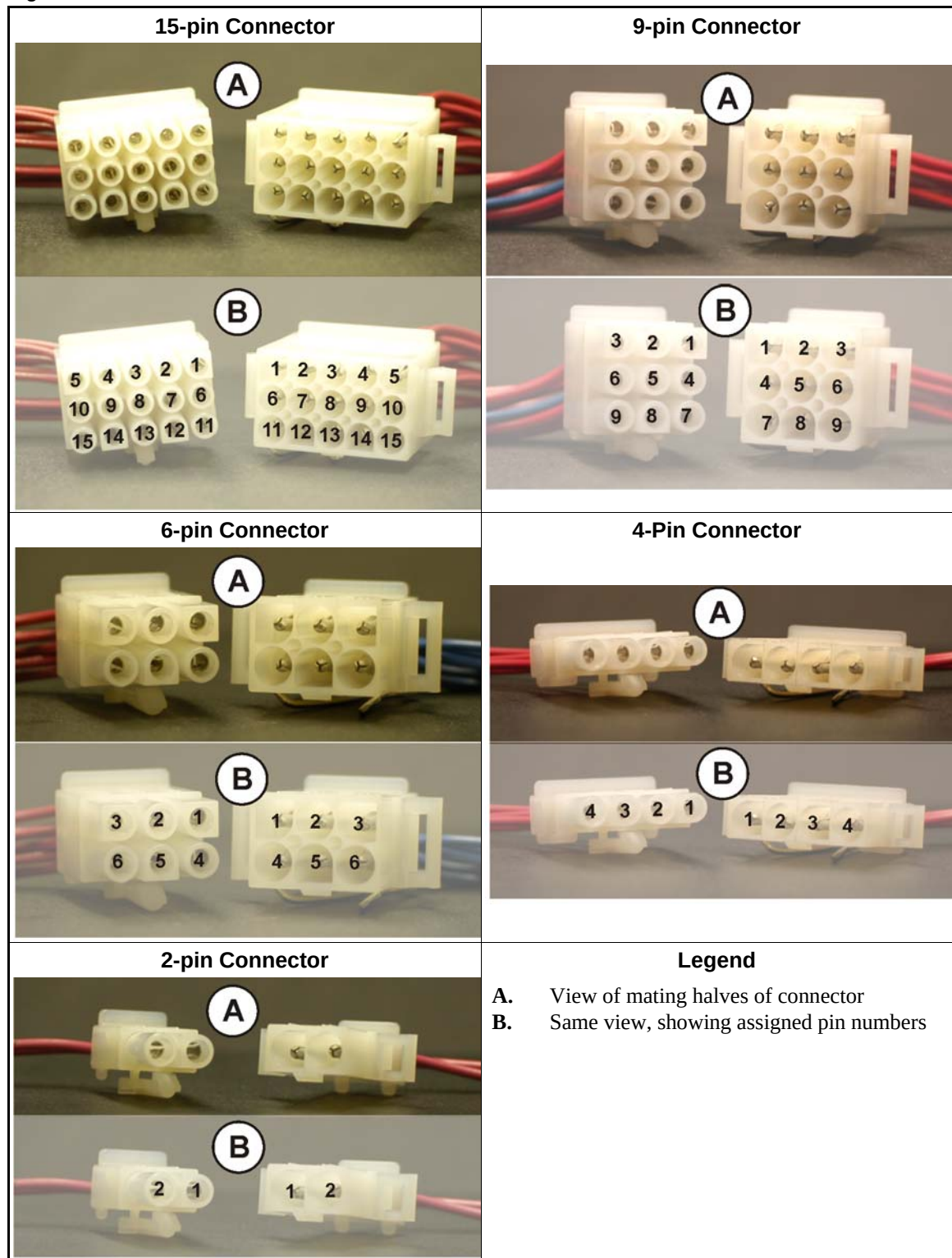


Figure 25: Pressure Switch

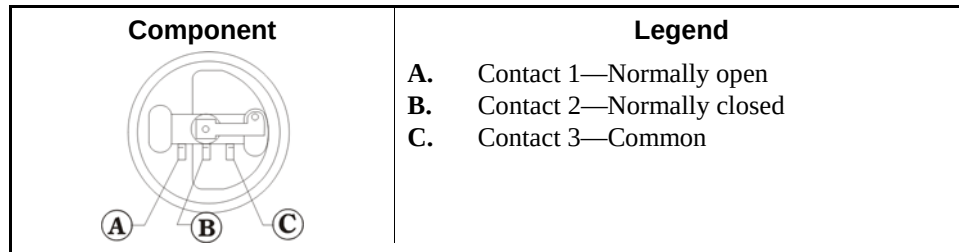


Figure 26: Toggle Switch

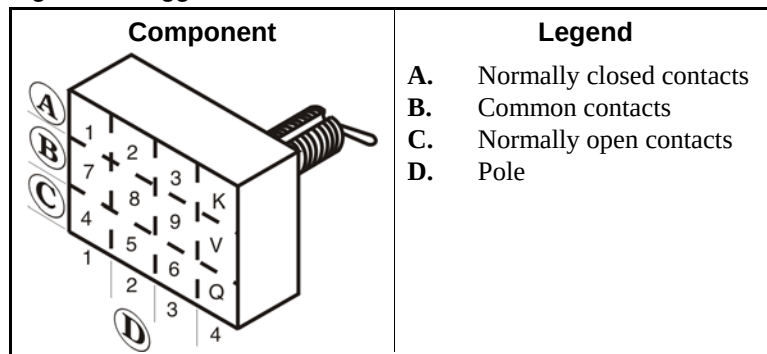
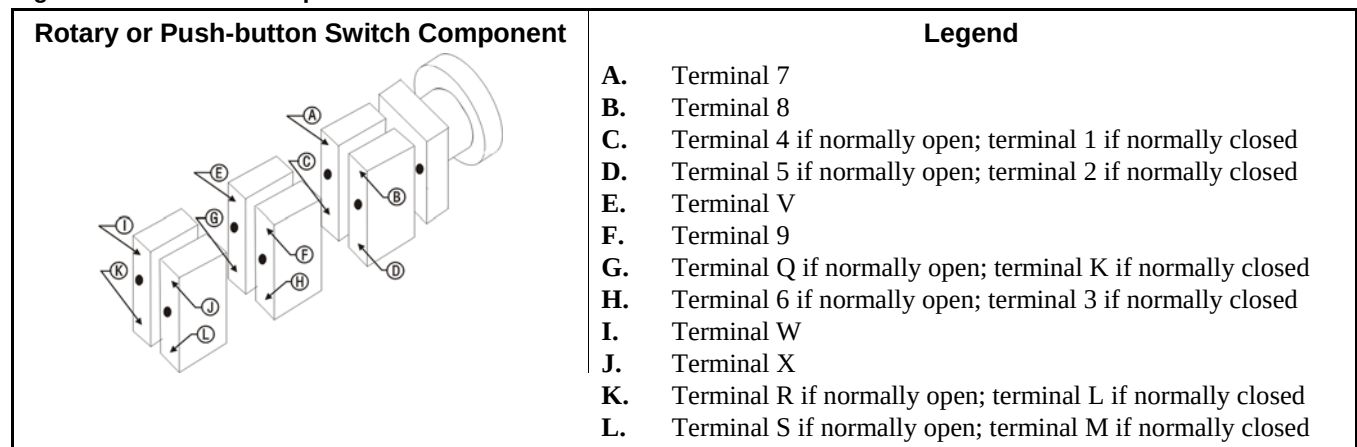


Figure 27: Switch with Replaceable Contact Blocks



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 —

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4 This indicates on which page (W6DRYGS+) and line number (08) the relay coil can be found for this set of contacts

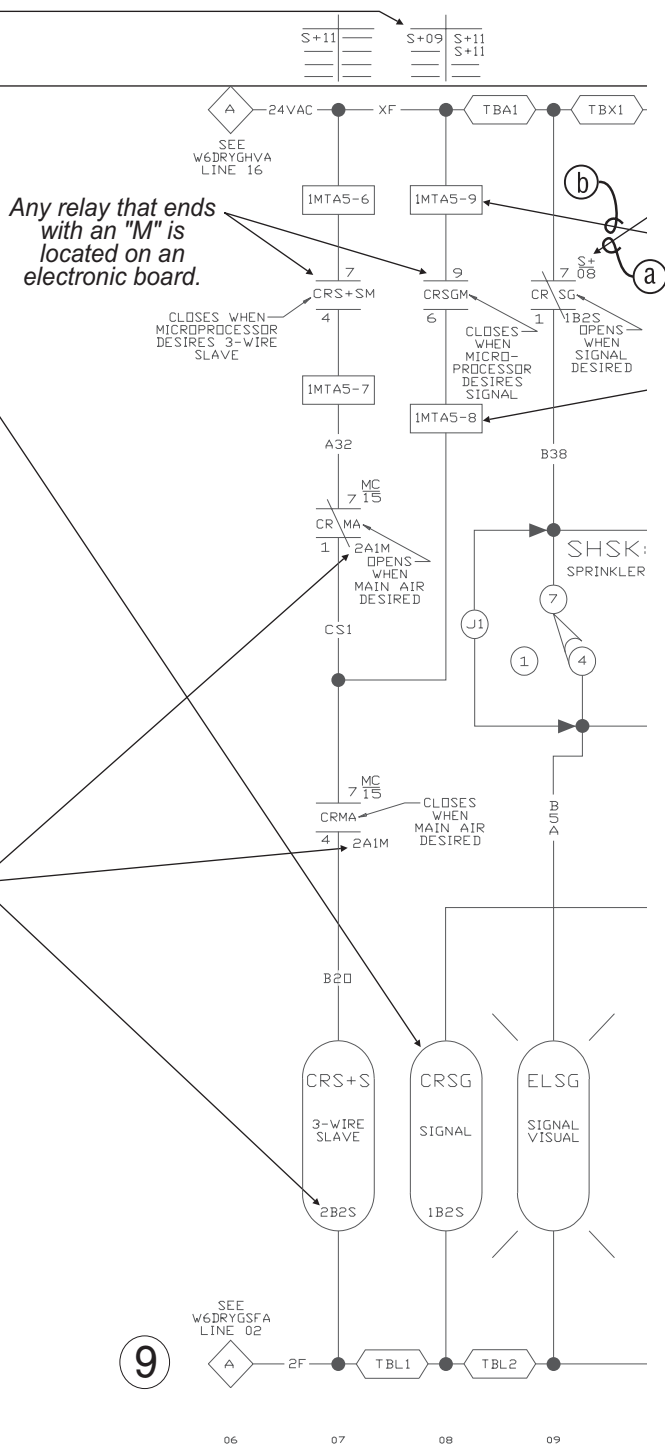
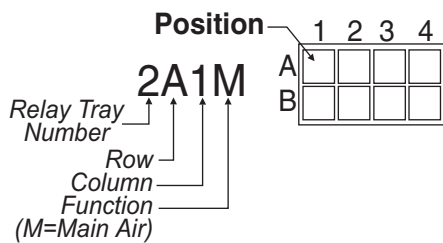
5 This indicates on which schematic page and line number the relay contacts of this coil (on Line 08) are located (i.e., W6DRYGS+, Lines 9 and 11).

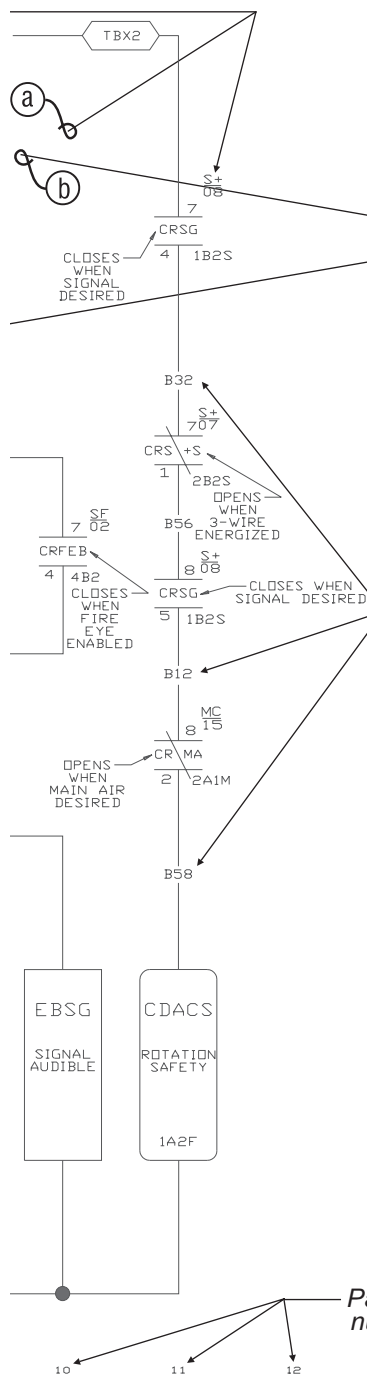
	Normally closed contacts	Normally open contacts	
7-1 contact	S+09	S+11	7-4 contact
8-2 contact	—	S+11	8-5 contact
9-3 contact	—	—	9-6 contact
V-Q contact	—	—	V-K contact

Contact not used

Drawing and line where contact is located

6 This is the physical location of the relay on the machine. Row and column numbers are shown on the appropriate tag for each relay tray.





7 **1MTA5-9**

Mass termination assembly
Pin number
MTA designation on board
Board MTA group designation

An MTA is a connection on an electronic circuit board. The notes and the tag page locate the appropriate board.

8 **Wire identification marking.**
This designation is stamped on the wire every 6 inches and is used with the signal routing table.

Major revision (letter)

1 Page number (S+)

Machine type (Gas fired dryer)

6th generation of controls

W = Wiring

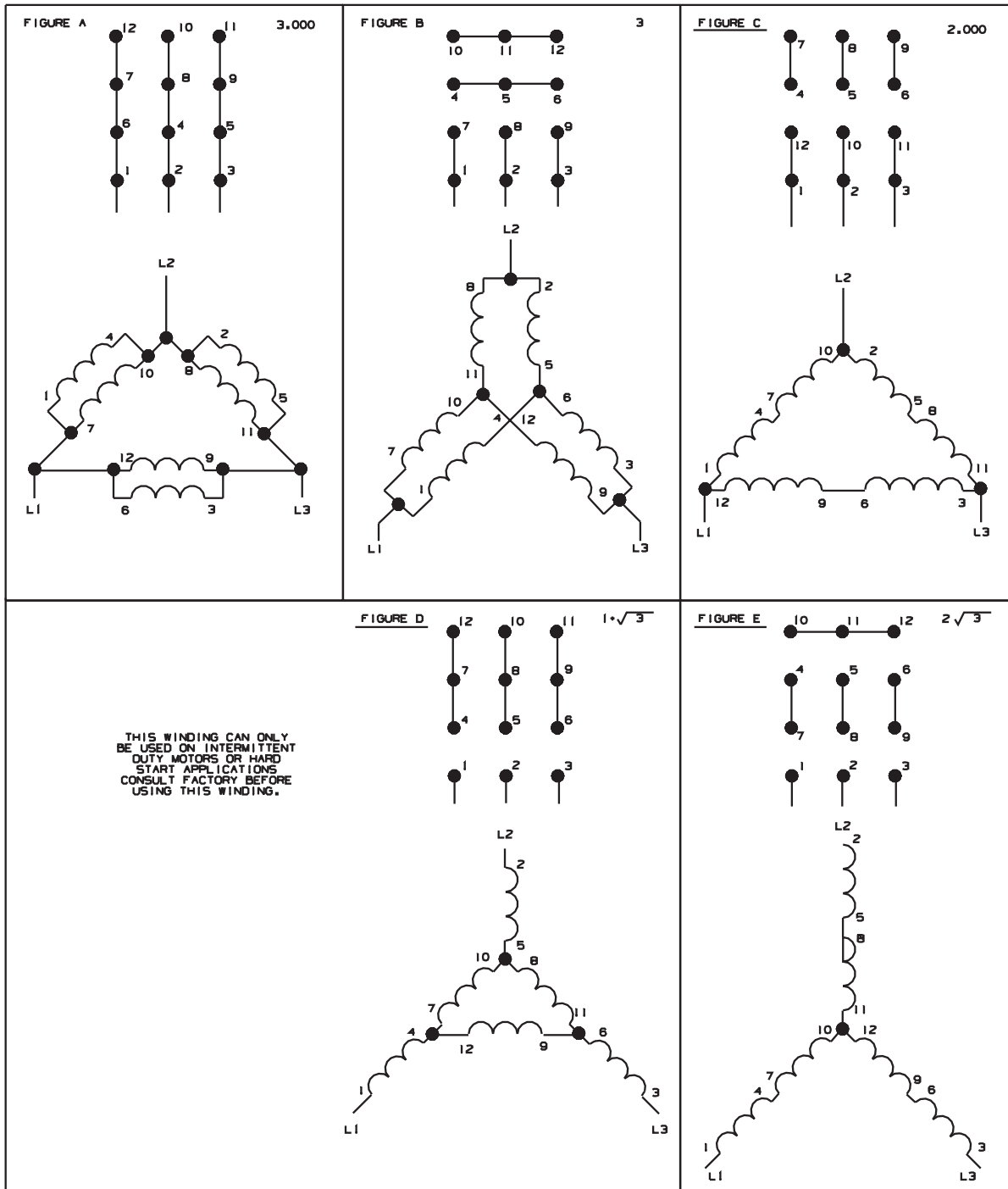
Class of control system

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 (J1) 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

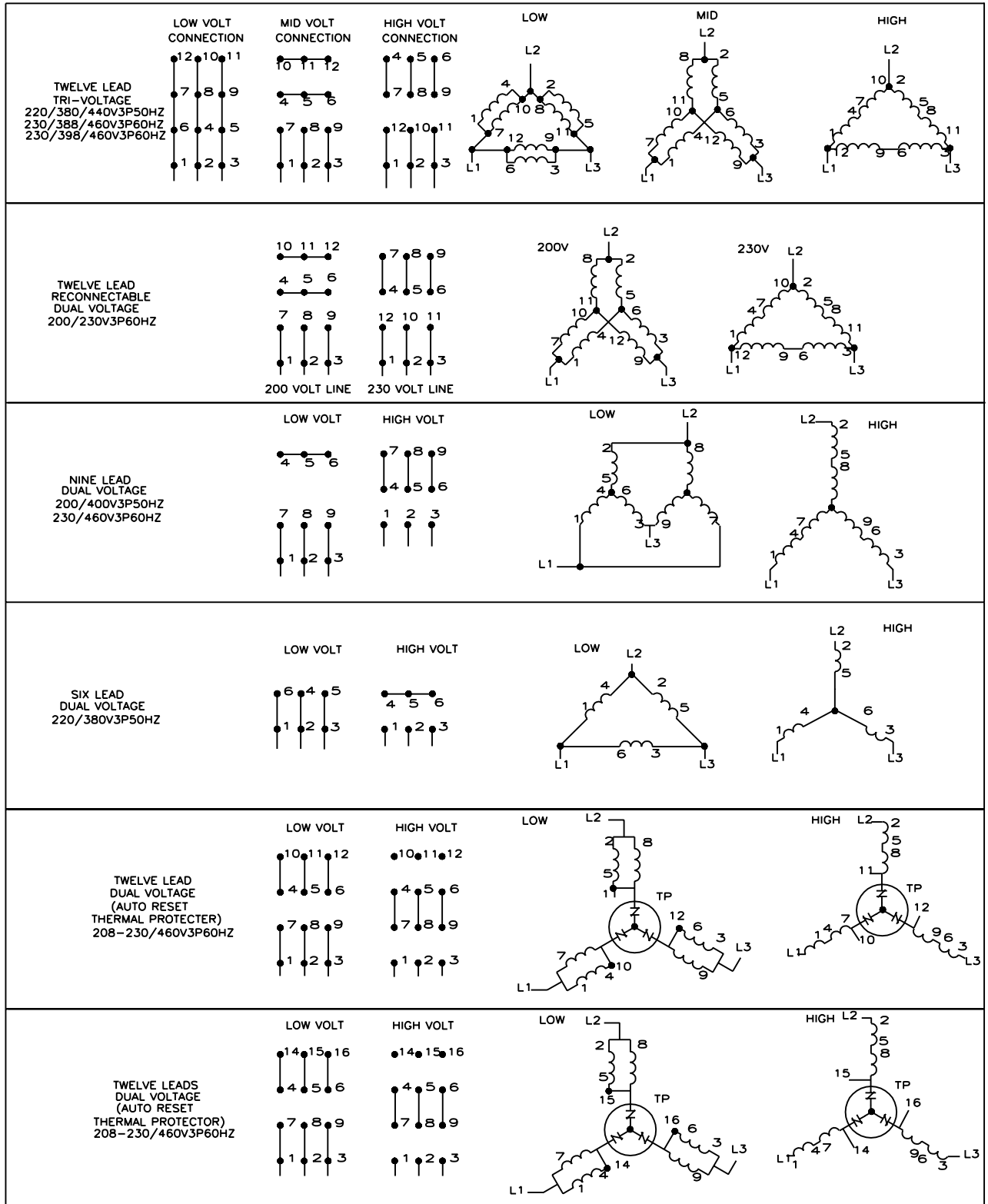
BMP850029

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

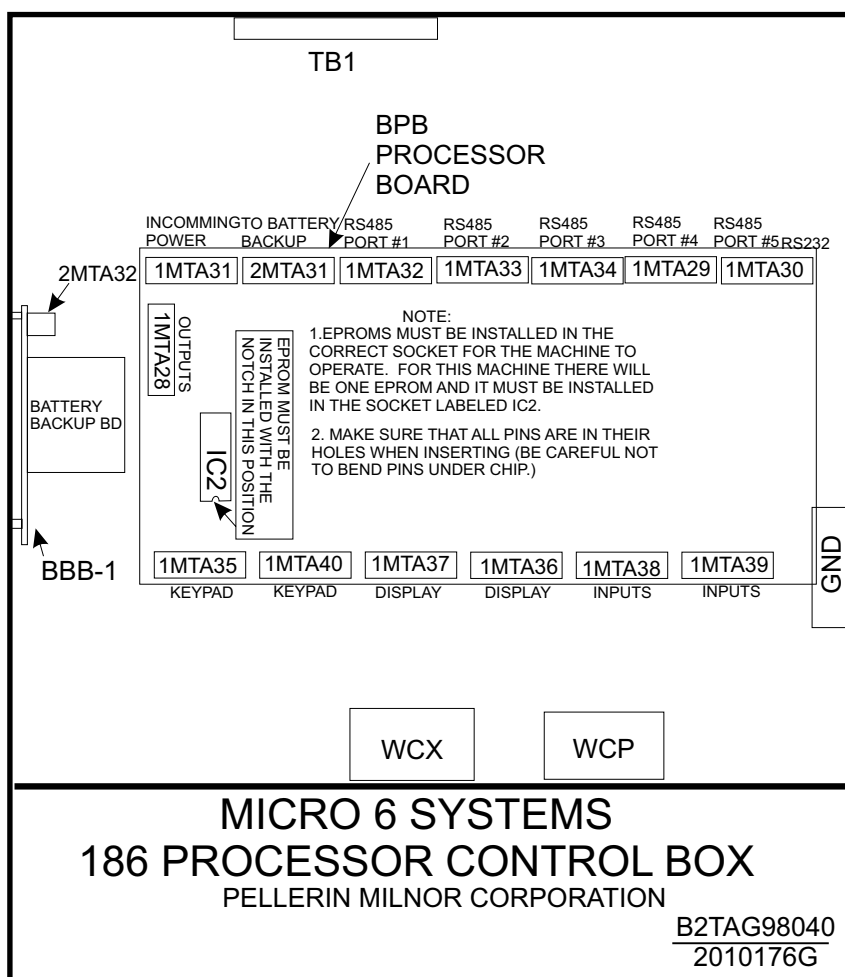
W80008
2001253A

B024-1	B024-2 (OPTIONAL) (STANDARD ON 7244 MODELS)	B024-3 (OPTIONAL)	BIO-1 (HIGH SPEED)	BIO-A AUTOSPOT ON 1MTR MODELS ONLY
OUTPUTS	OUTPUTS	OUTPUTS	INPUTS	INPUTS
0 TANK TO MACHINE1	0 CHEM 14	0 PROGRAM. OUT #00	0 TANK IS FULL	0 NOT USED
1 ALT. EXT ACCEL/DECEL	1 CHEM 9	1 PROGRAM OUT #01	1 DOOR CLOSED	1 SOIL SIDE PCKT 3 SPOTTED
2 DOOR UNLOCK	2 CHEM 13	2 PROGRAM OUT #02	2 INVERTER TRIPPED	2 SOIL SIDE PCKT 2 SPOTTED
3 CW WASH	3 FLUSH	3 PROGRAM OUT #03	3 AUTOSPOT DESIRED	3 SOIL SIDE PCKT 1 SPOTTED
4 CCW WASH	4 CHEM 15	4 PROGRAM OUT #04	4 NOT USED	4 SPOT CLEAN POCKET 2
5 STEAM VALVE	5 CHEM 11	5 PROGRAM OUT #05	5 NOT USED	5 SPOT CLEAN POCKET 1
6 SIGNAL	6 CHEM SAVE	6 PROGRAM OUT #06	6 CHEM SAVE/TIMERSTOP	6 SPOT SOILED POCKET 2
7 THREE WIRE RELAY	7 DRAIN SAVER	7 PROGRAM OUT #07	7 BASKET TURNING	7 SPOT SOILED POCKET 1
8 BRAKE RELEASE	8 CHEM 10	8 PROGRAM OUT #08	8 AMP SAVER	8 SPOT SOILED POCKET 3
9 WATER VALVE #1	9 AMP SAVER	9 PROGRAM OUT #09	9 NOT USED	9 OK TO SPOT
10 WATER VALVE #2	10 CHEM 6	10 PROGRAM OUT #10	10 NOT USED	10 SPOT CLEAN POCKET 3
11 WATER VALVE #3	11 CHEM 7	11 PROGRAM OUT #11	11 BRAKE IS OFF	11 NOT USED
12 SEWER DRAIN	12 CHEM 8	12 PROGRAM OUT #12	12 NOT USED	12 NOT USED
13 REUSE DRAIN	13 CHEM 12	13 PROGRAM OUT #13	13 NOT USED	13 CLEAN POCKET 3 SPOTTED
14 MACHINE TO MACHINE	14 AUTOMATIC RECIRC.	14 PROGRAM OUT #14	14 NOT USED	14 CLEAN POCKET 2 SPOTTED
15 MACHINE TO TANK	15 DRAIN MOTOR	15 PROGRAM OUT #15	15 NOT USED	15 CLEAN POCKET 1 SPOTTED
16 PUSH DOWN	16 E1 MOTOR	16 PROGRAM OUT #16	OUTPUTS	OUTPUTS
17 TRANSFER CONTROL 1	17 E2 MOTOR	17 PROGRAM OUT #17	0 RECIRC. PUMP	0 BRAKE
18 XFER CTRL NOT 1	18 NOT USED	18 PROGRAM OUT #18	1 COOLDOWN	1 I AM SPOTTING
19 TRANSFER CONTROL 2	19 NOT USED	19 PROGRAM OUT #19	2 FLUSH	2 NOT USED
20 XFER CTRL NOT 2	20 NOT USED	20 NOT USED	3 CHEM 4	3 DC BRAKE
21 CLEAN BUZZER	21 NOT USED	21 NOT USED	4 CHEM 1	4 I AM SPOTTING
22 CLUTCH	22 NOT USED	22 NOT USED	5 CHEM 3	5 START SPOTTING
23 SPRAY DOWN	23 NOT USED	23 NOT USED	6 CHEM 2	6 SOIL SPOTTED
			7 CHEM 5	7 CLEAN SPOTTED

NOT ALL INPUTS/OUTPUTS
USED FOR ALL MODELS

MICRO 6 SYSTEMS MARK V or VI CONTROLS
MODELS WP2/3, SP2/3
CONTROL BOARDS INPUTS/OUTPUTS
PELLERIN MILNOR CORPORATION

B2T2005014
2011043G

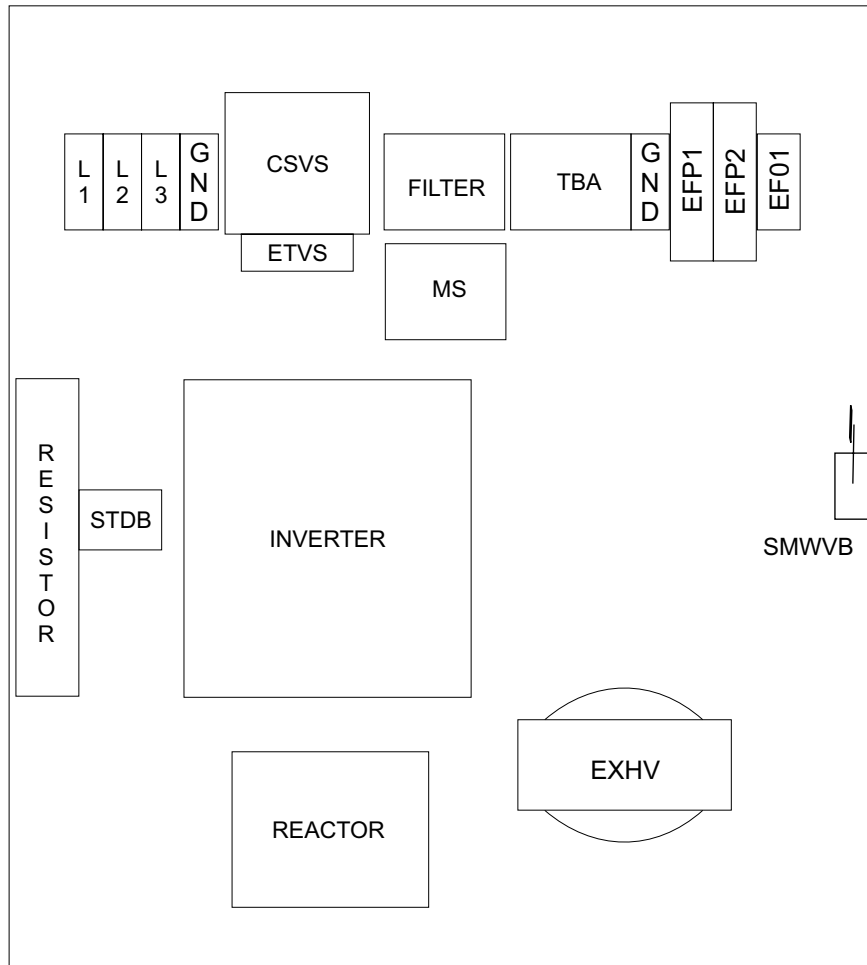


W6W5STG1

MICRO 6 SYSTEMS

SCHEMATIC: MACHINE TAGS

PELLERIN MILNOR CORPORATION

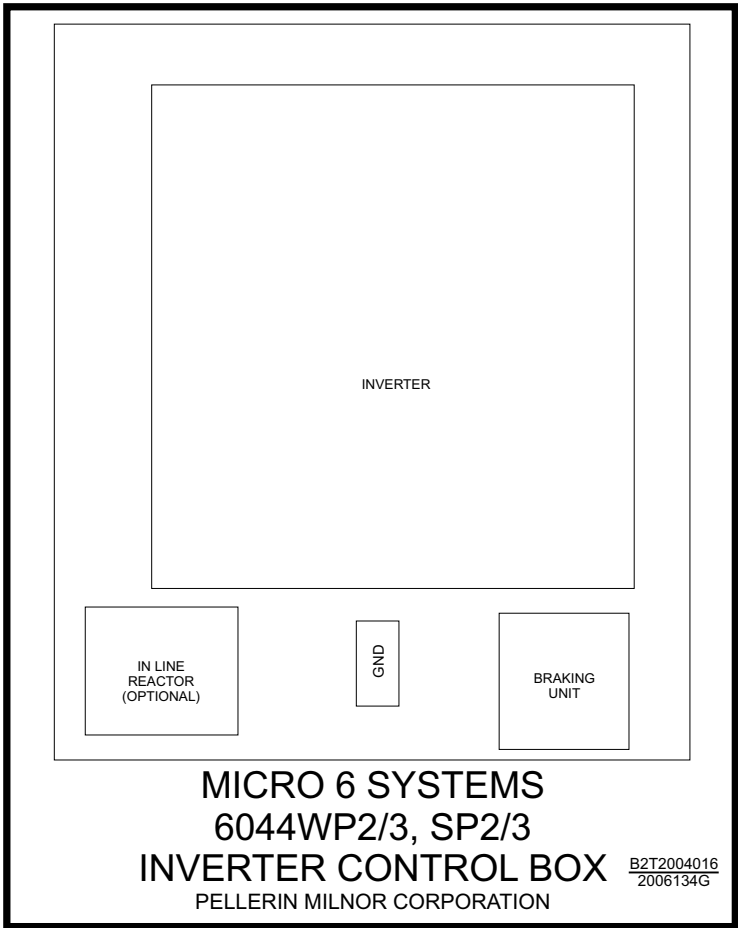
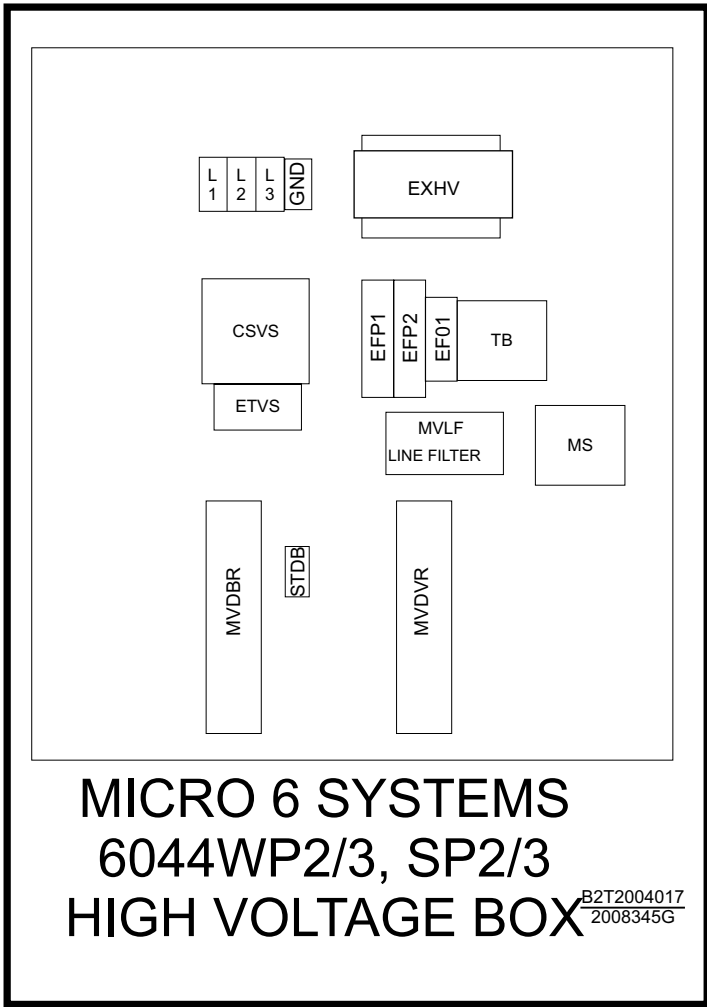


MICRO 6 SYSTEMS **4244 SINGLE MOTOR WP2/SP2** **HIGH VOLTAGE CONTROL BOX**

PELLERIN MILNOR CORPORATION

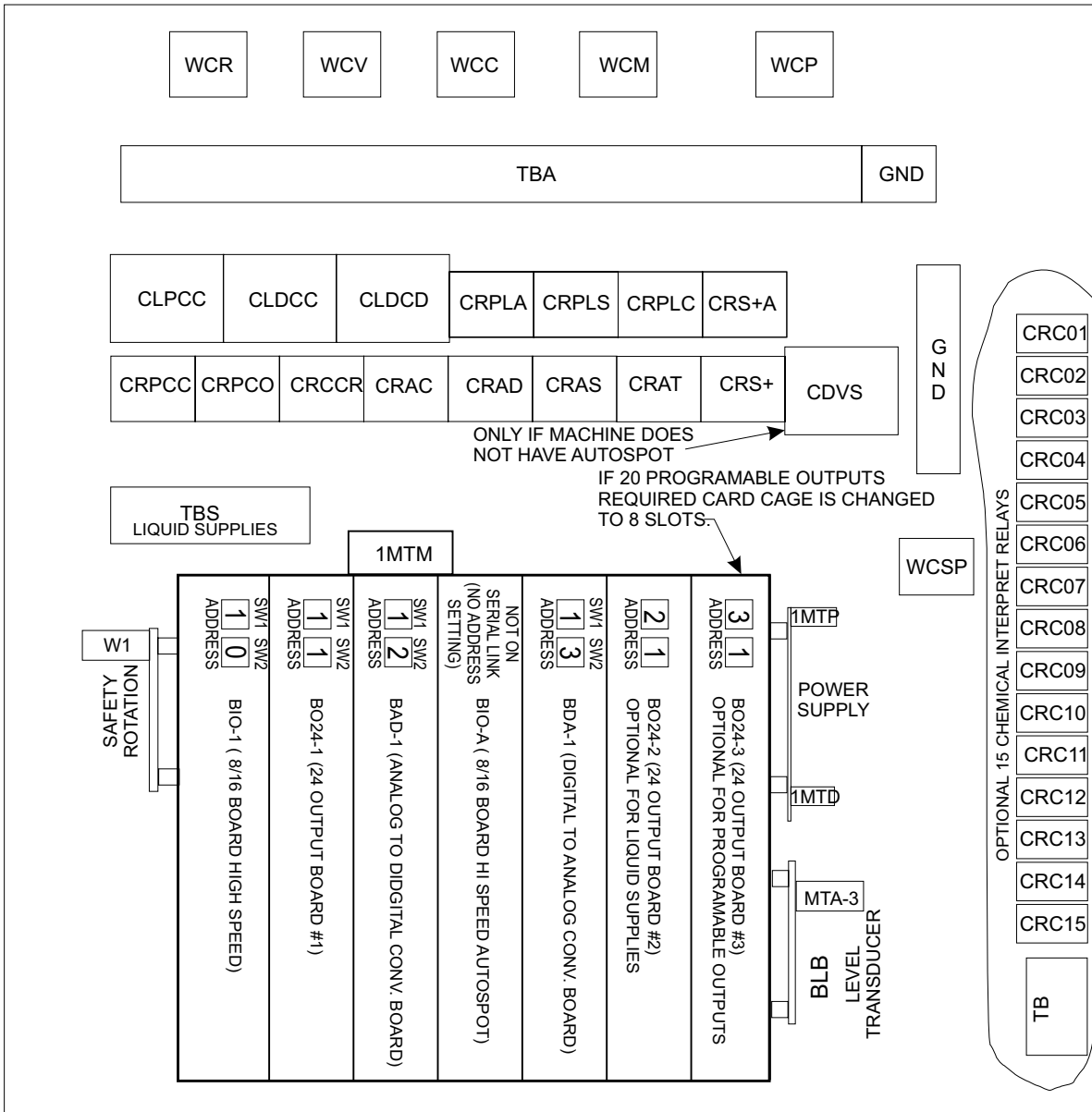
B2T2005003
2008345G





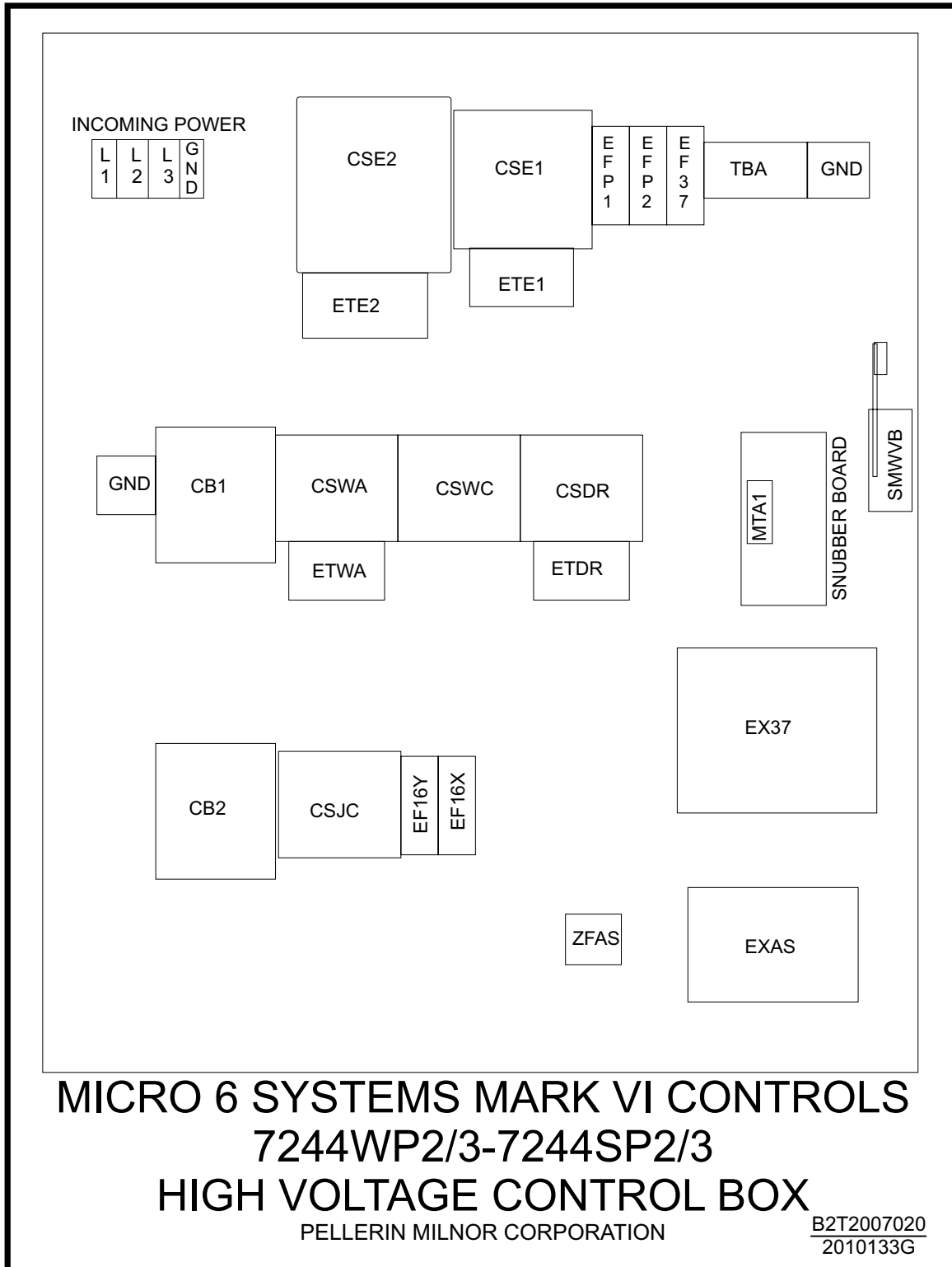
MICRO 6 SYSTEMS
SCHEMATIC:6044 MACHINE TAGS
PELLERIN MILNOR CORPORATION

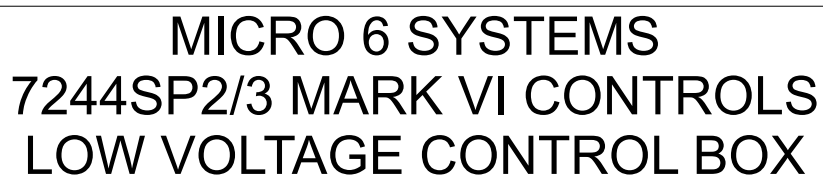
W6W5SSTG3



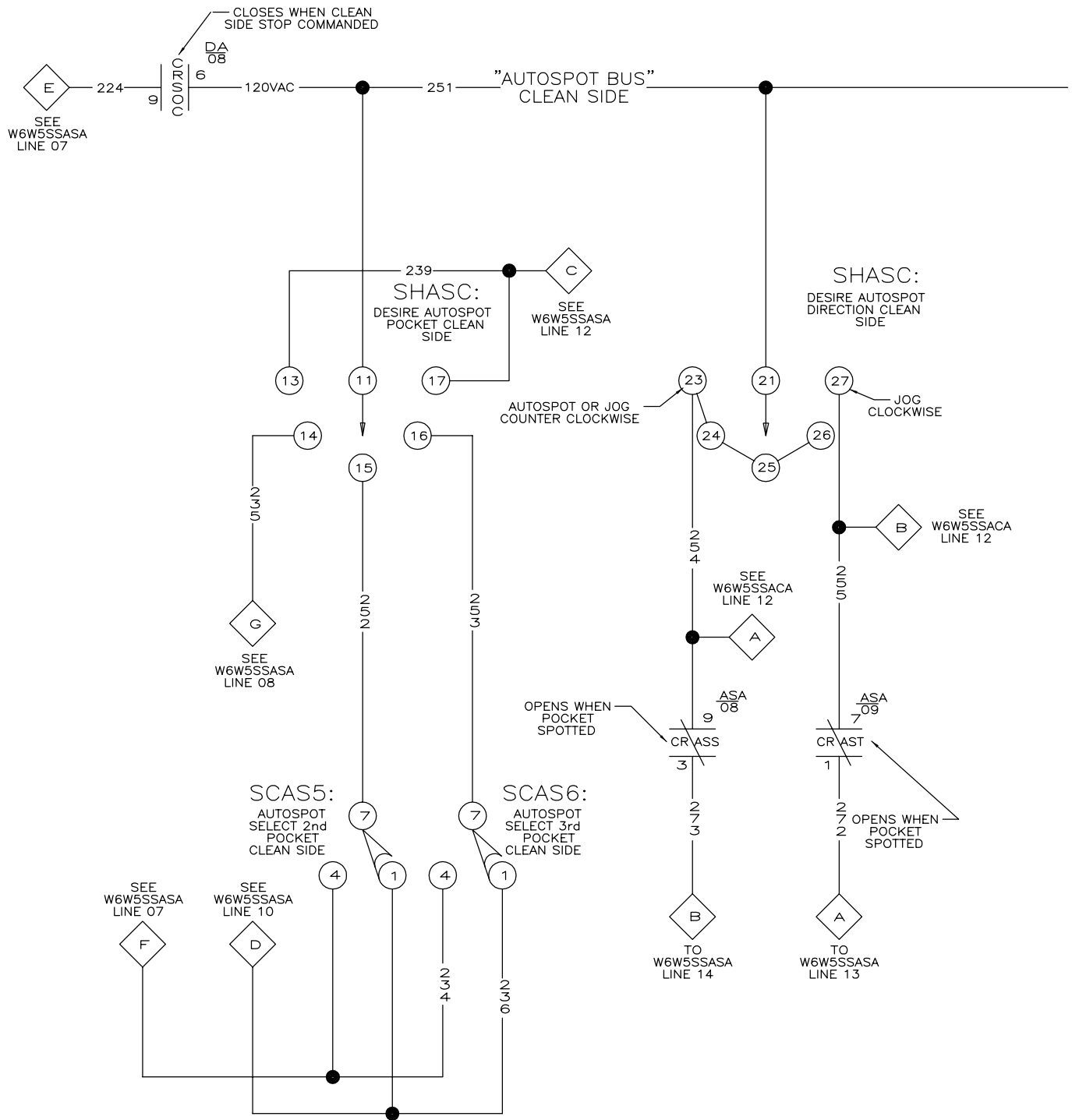
MICRO 6 SYSTEMS
6044SP2/3 SINGLE MOTOR
LOW VOLTAGE CONTROL BOX
PELLERIN MILNOR CORPORATION

B2T2004015
2012265A





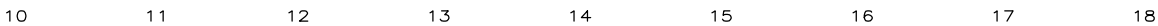
B2T2008015
2010133G

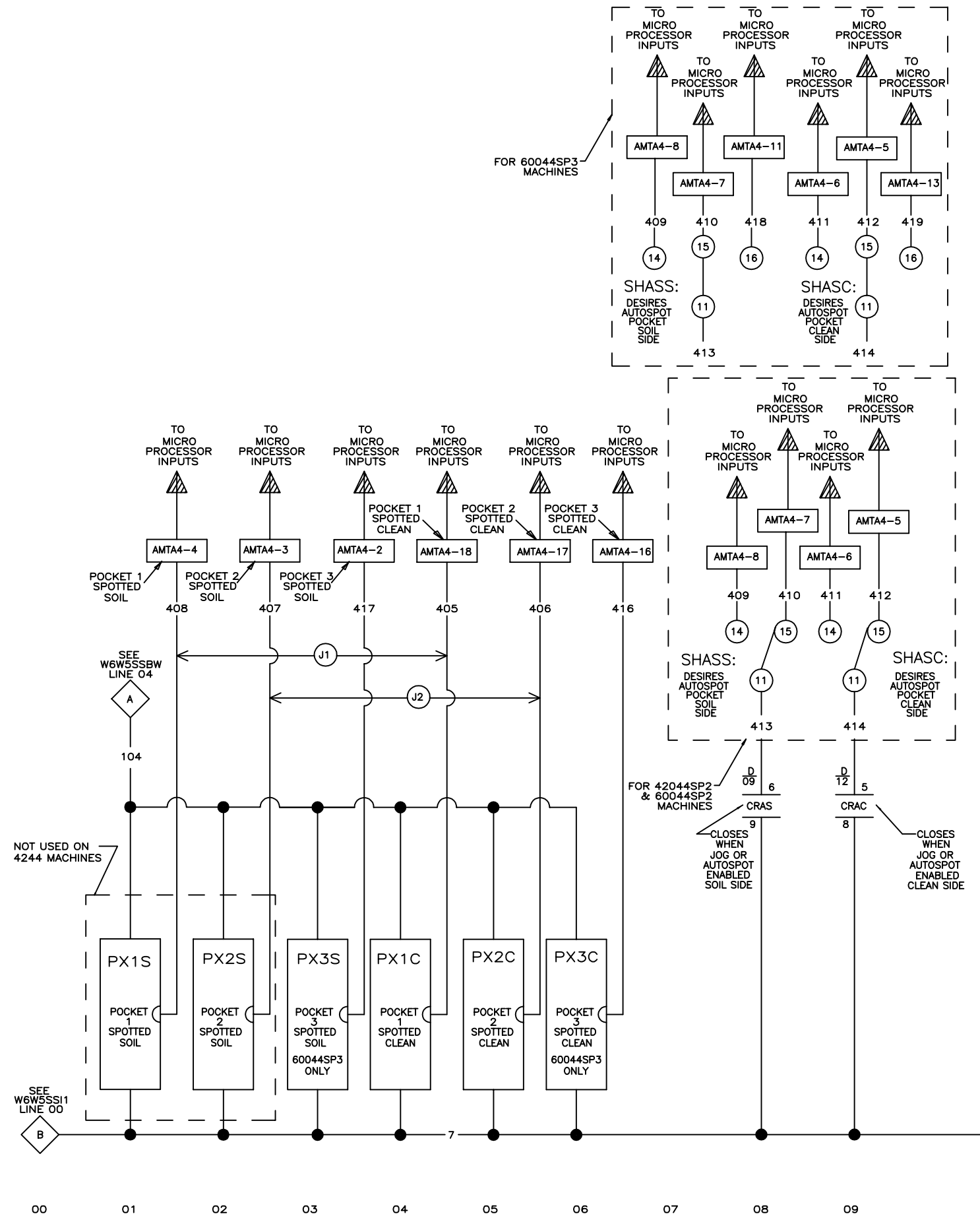


LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09

W6W5SSACA
2012305B





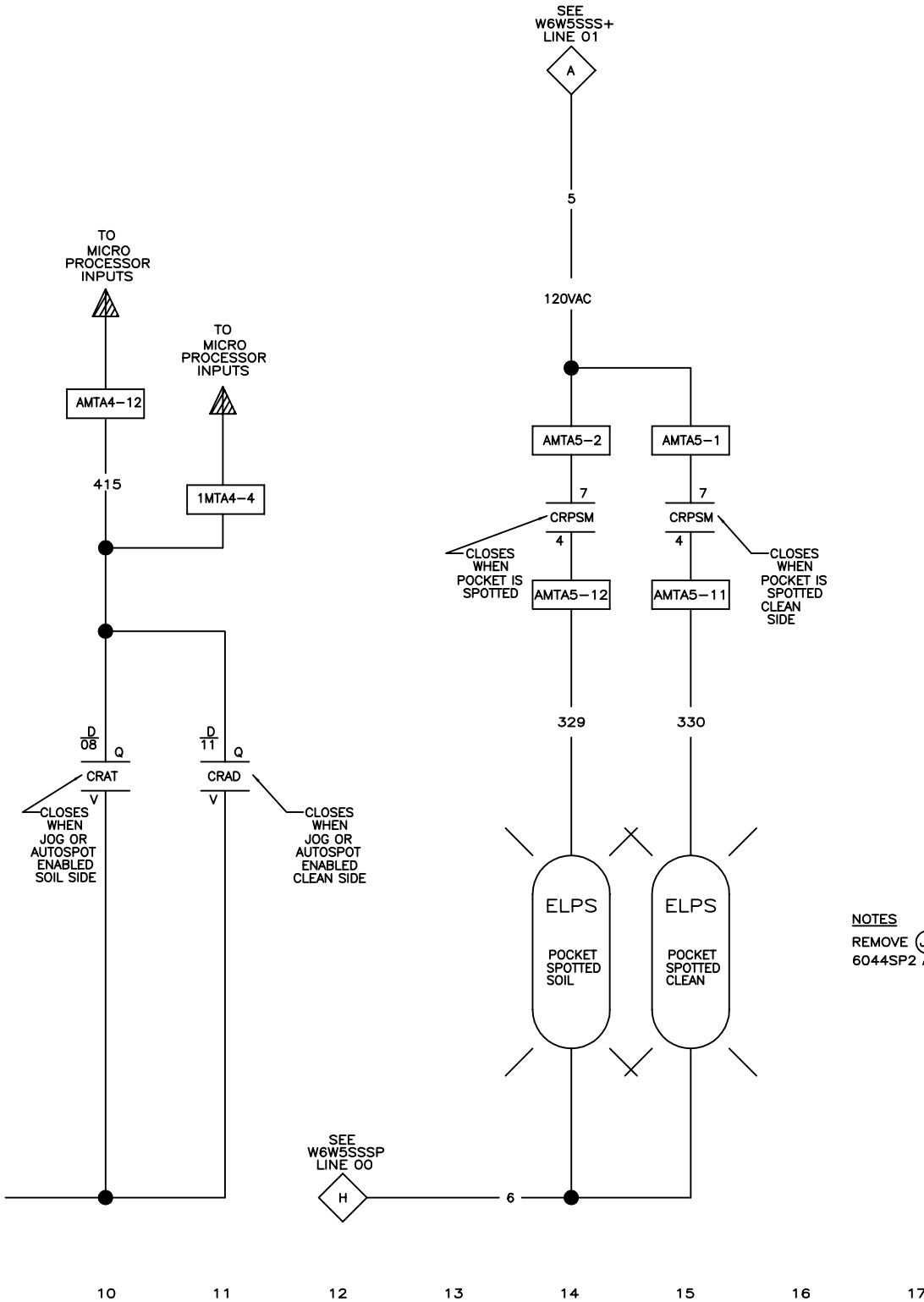
W6W5SSAS

MICRO 6 SYSTEMS

MARK VI

SCHEMATIC: AUTOSPOT(SERIAL CONTROLS)

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



NOTES
REMOVE (J1) AND (J2) FOR
6044SP2 AND 6044SP3 MODELS

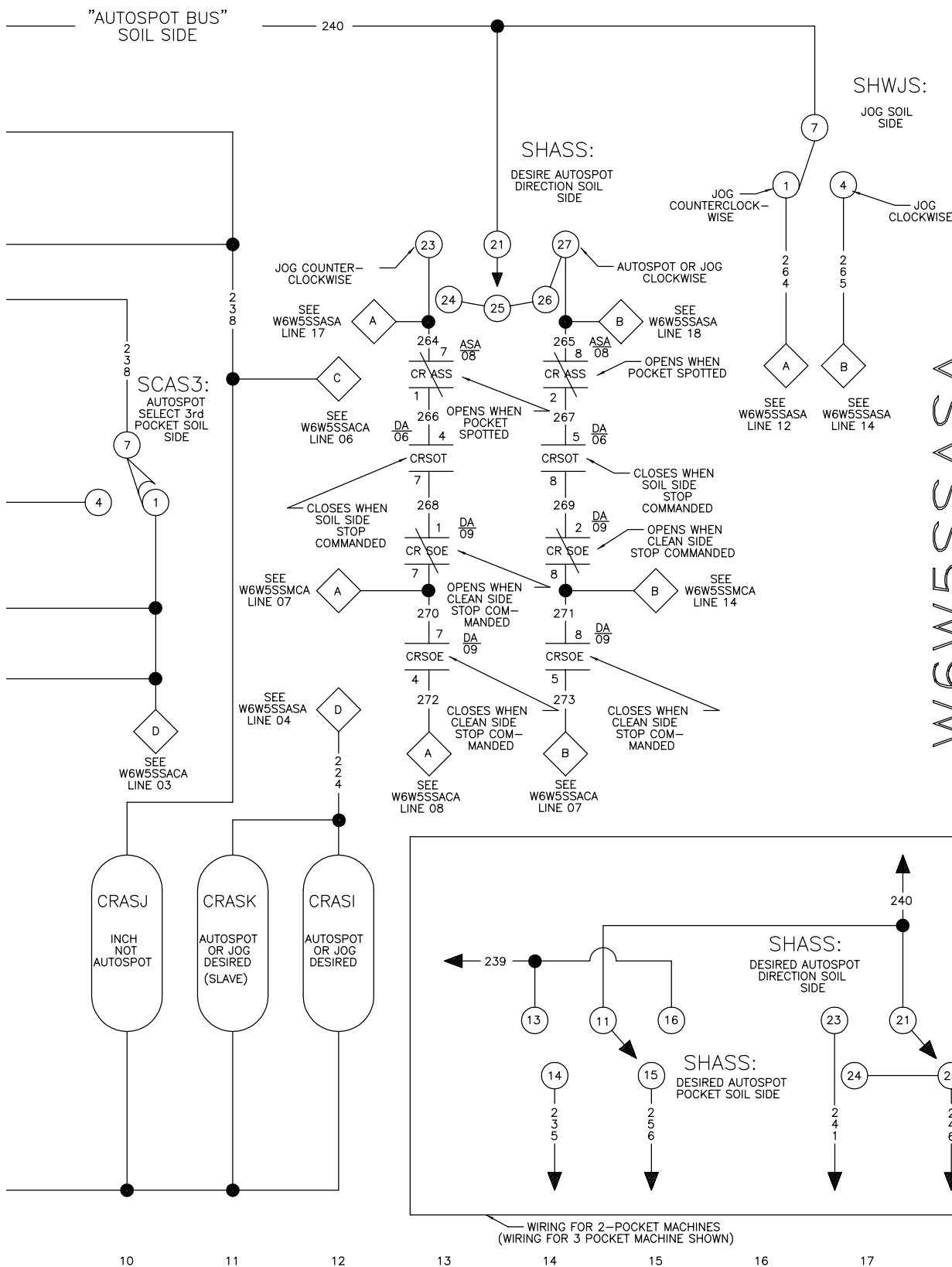
EVA03
ASA03

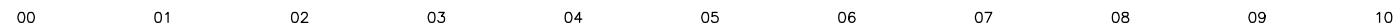
DA11
DA13

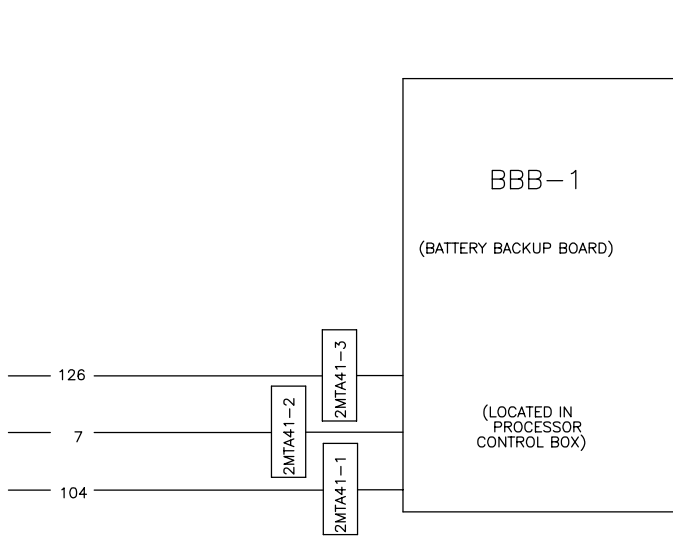
SPA02 SPA01
EVA05 EVA04
ASA03

NOTES:
1. REMOVE J1 FOR MACHINES
WITHOUT DOOR. CLOSED OPTION

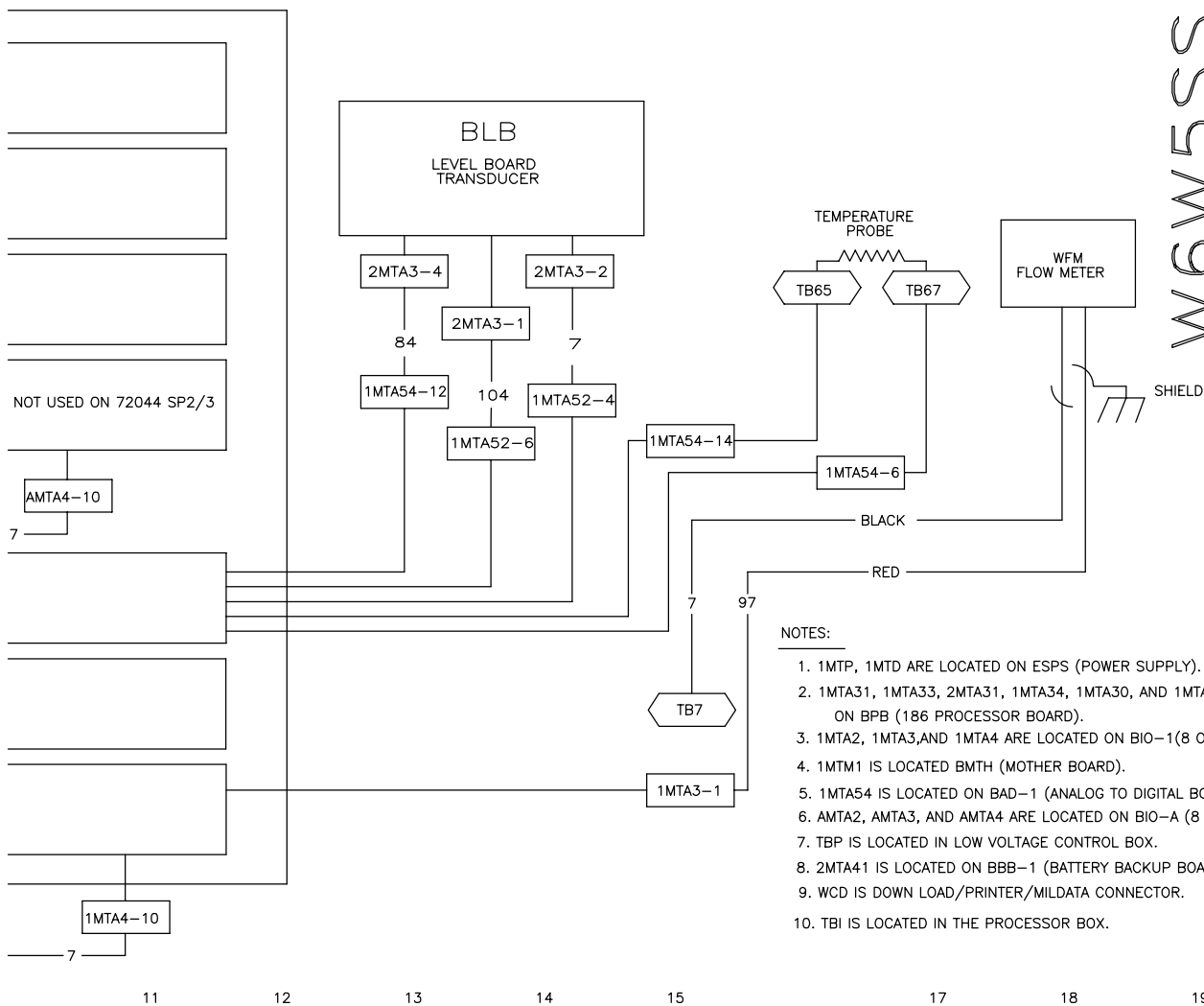
W6W5SSASA
2012305B







WIRE NO.	VOLTAGE	WIRE COLOR
103	+5VDC	BLUE/RED
104	+12VDC	BLUE/ORANGE
105	-12VDC	BLUE/BLACK
7	GROUND	BLUE/WHITE
107	SERIAL HIGH	BLUE/RED
106	SERIAL LOW	BLUE/BLACK
INPUTS		BLUE/BLACK
5	240VAC	
6	240VAC	

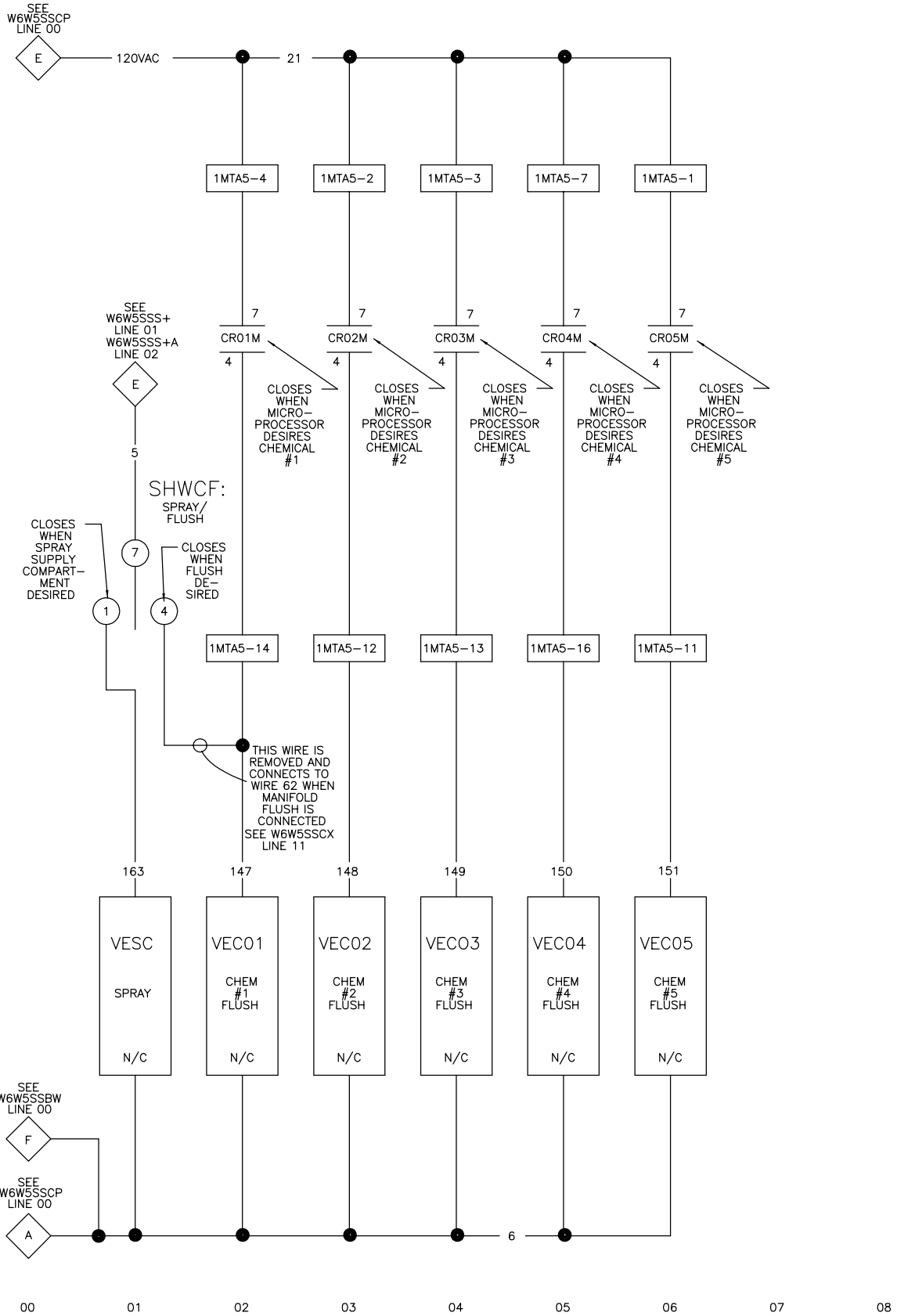


NOTES:

1. 1MTP, 1MTD ARE LOCATED ON ESPS (POWER SUPPLY).
2. 1MTA31, 1MTA33, 2MTA31, 1MTA34, 1MTA30, AND 1MTA39 ARE LOCATED ON BPB (186 PROCESSOR BOARD).
3. 1MTA2, 1MTA3, AND 1MTA4 ARE LOCATED ON BIO-1 (8 OUTPUT-16 INPUT BOARD).
4. 1MTM1 IS LOCATED BMTH (MOTHER BOARD).
5. 1MTA54 IS LOCATED ON BAD-1 (ANALOG TO DIGITAL BOARD).
6. AMTA2, AMTA3, AND AMTA4 ARE LOCATED ON BIO-A (8 OUTPUT-16 INPUT BOARD).
7. TBP IS LOCATED IN LOW VOLTAGE CONTROL BOX.
8. 2MTA41 IS LOCATED ON BBB-1 (BATTERY BACKUP BOARD).
9. WCD IS DOWN LOAD/PRINTER/MILDATA CONNECTOR.
10. TBI IS LOCATED IN THE PROCESSOR BOX.

W6W5SSBW
MICRO 6 SYSTEMS MARK VI
SERIAL CONTROLS
SCHEMATIC: BOARD TO BOARD WIRING

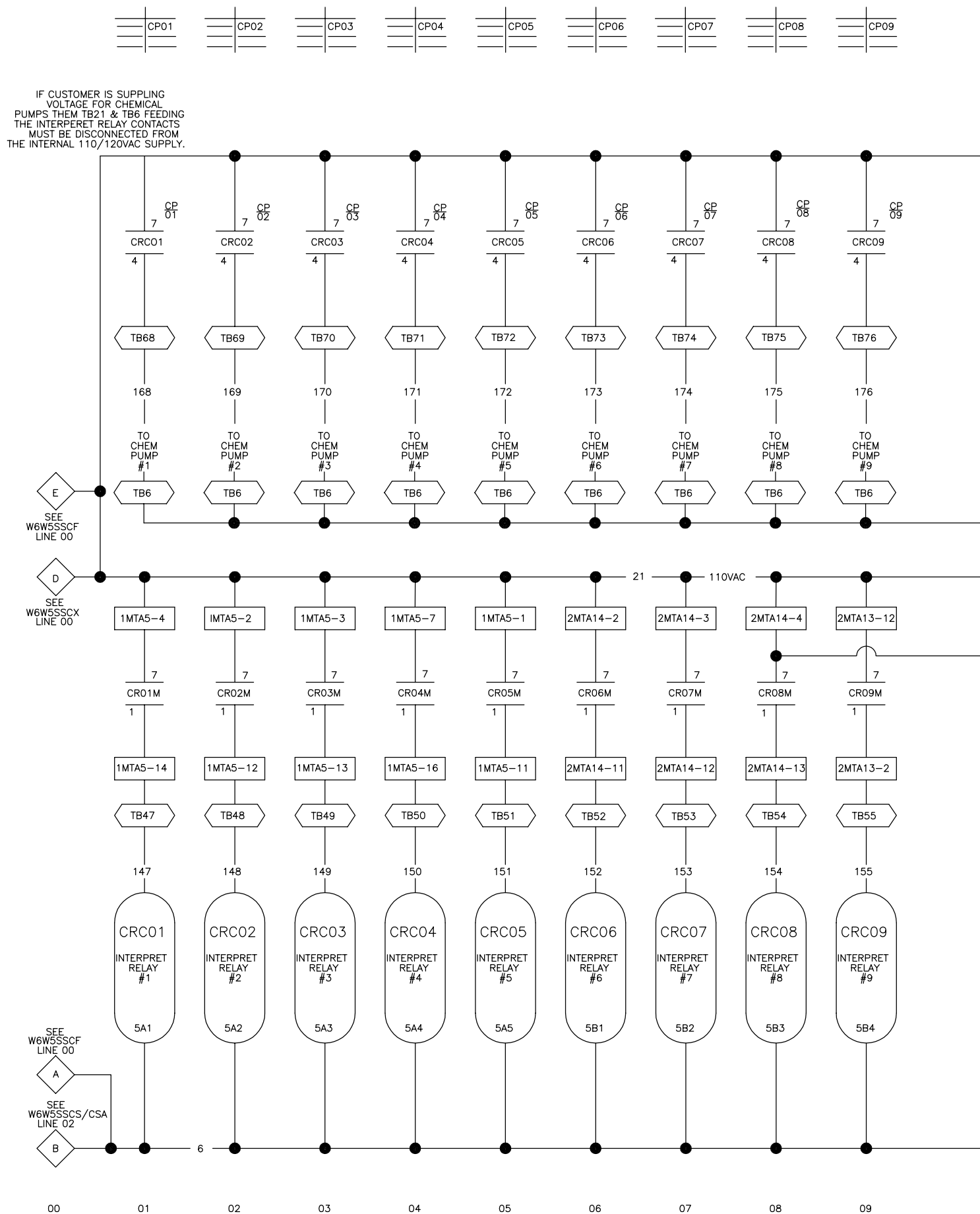
PELLERIN MILNOR CORPORATION

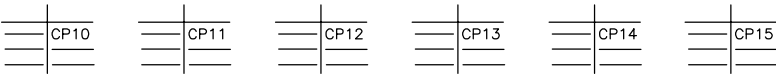


W6W5SSCF
MICRO 6 SYSTEMS
MARK VI
(SERIAL CONTROLS)
SCHEMATIC: FLUSHING SUPPLIES
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

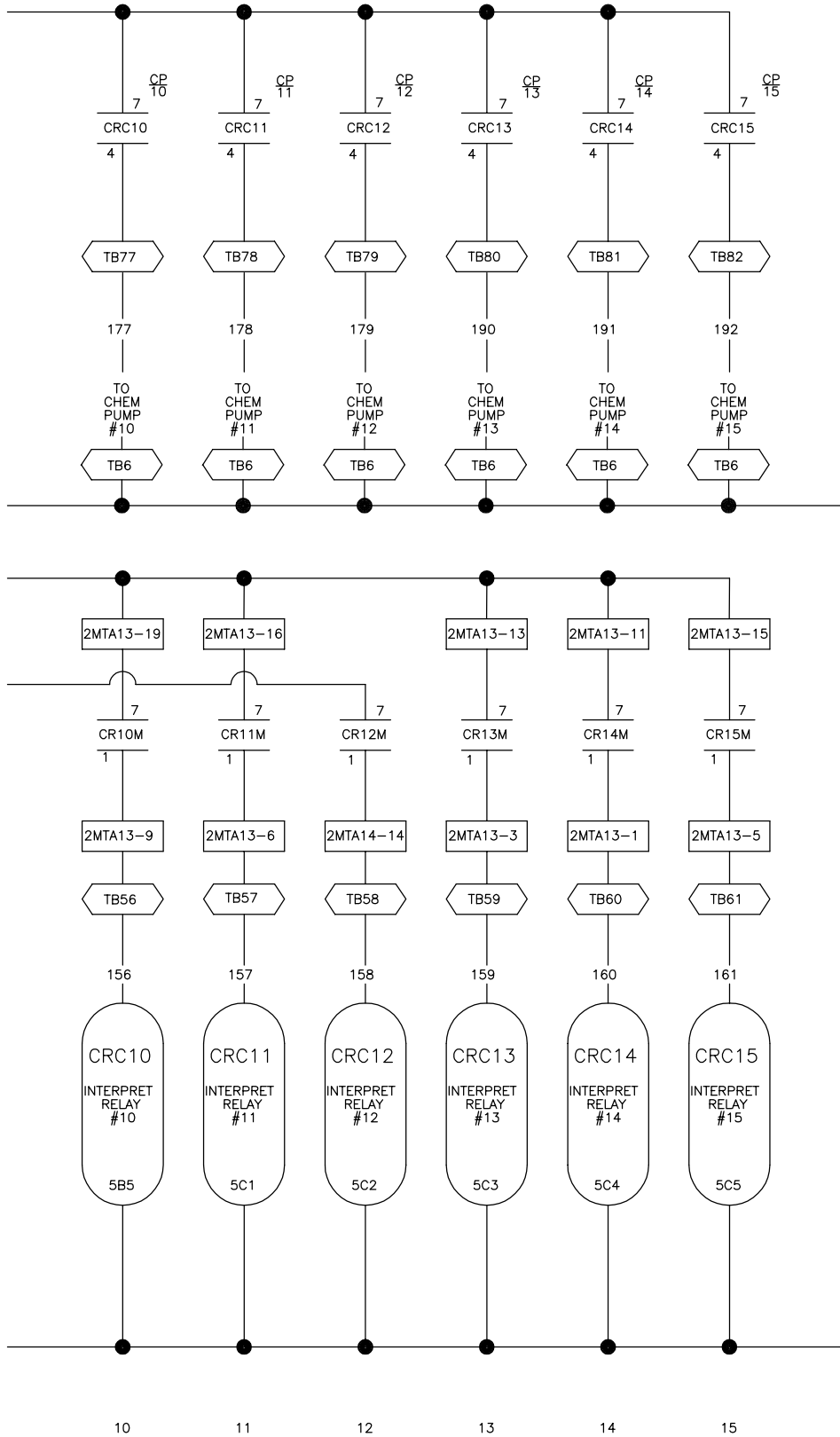
W6W5SSCF
2012305B

W6W5SSCF
2012305B





W6W5SSCP
2012305B



W6W5SSCP

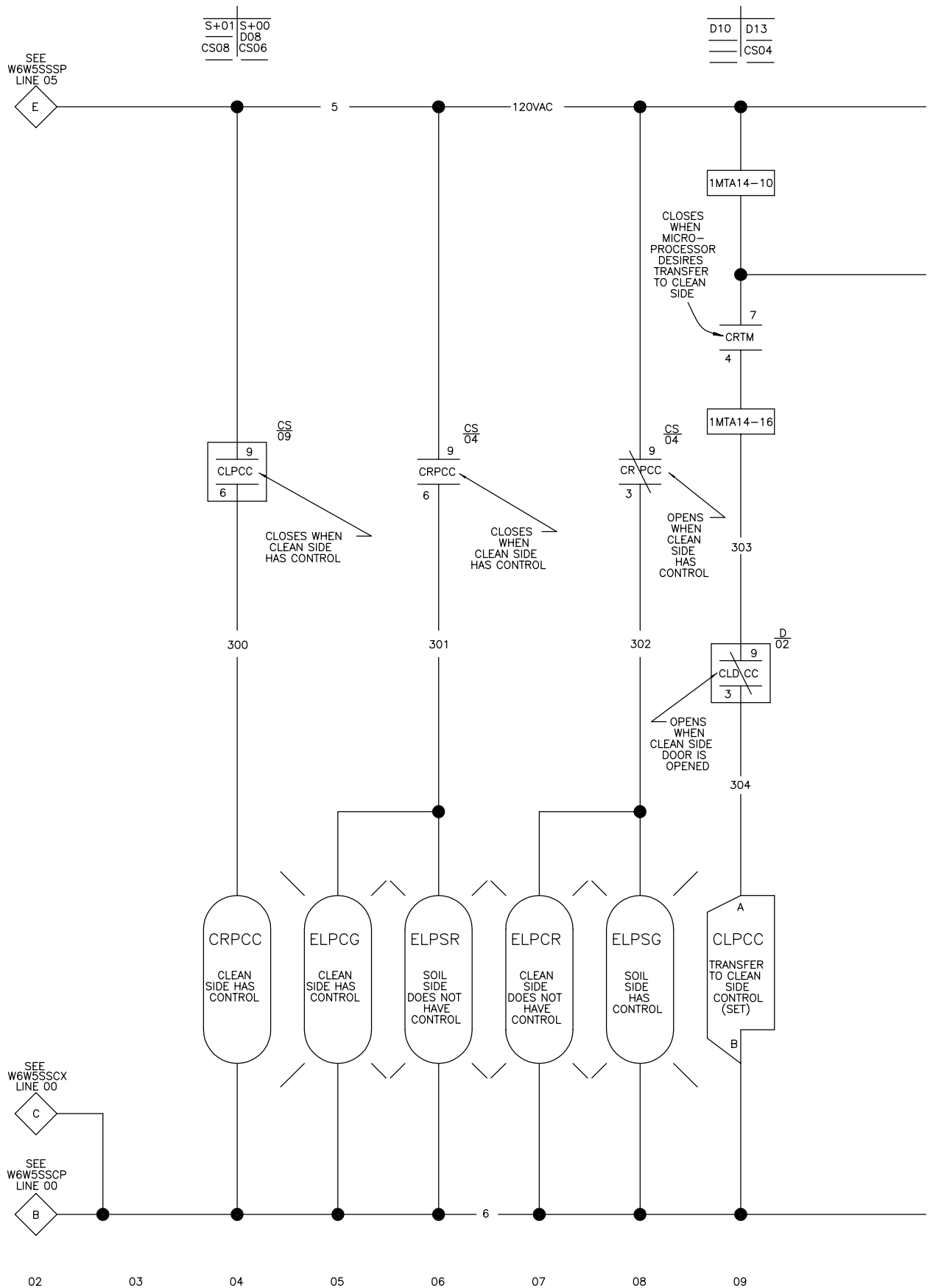
MICRO 6 SYSTEMS SERIAL CONTROLS

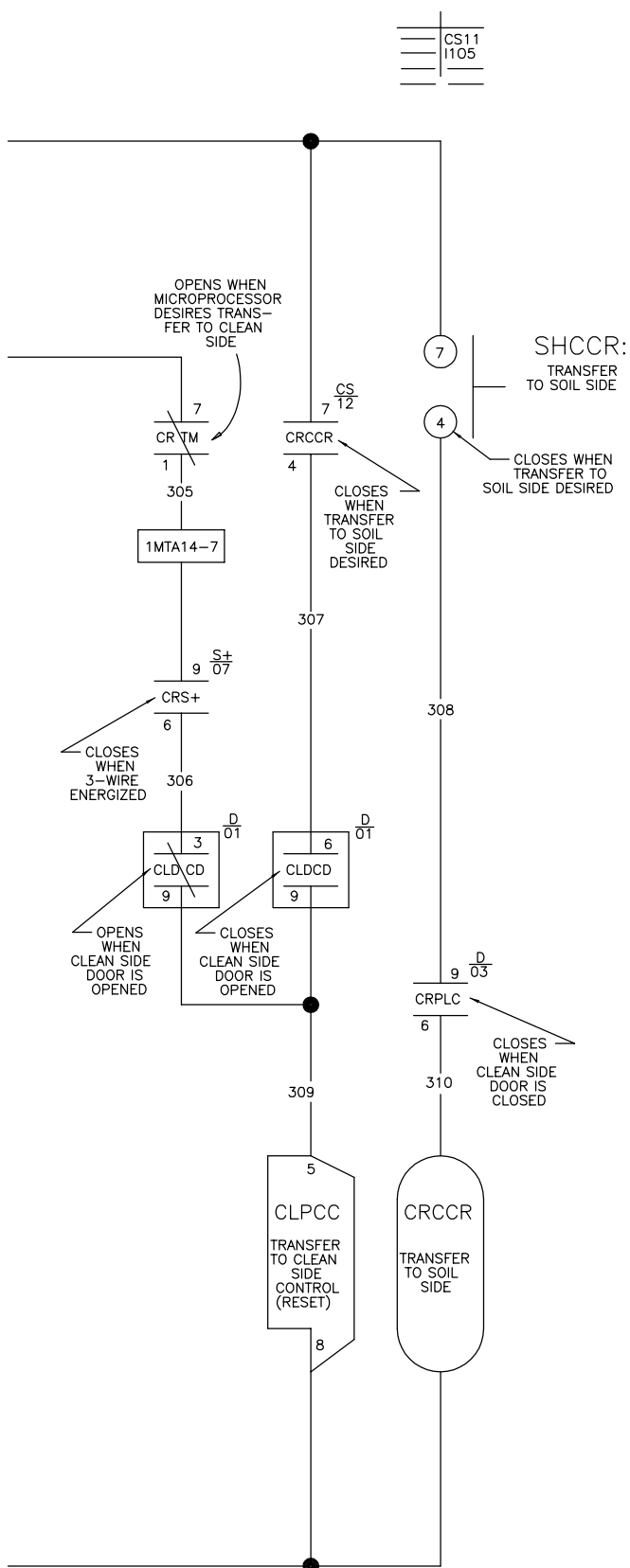
SCHEMATIC: LIQUID SUPPLY-INTERPRET RELAYS

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

W6W5SSCP
2012305B





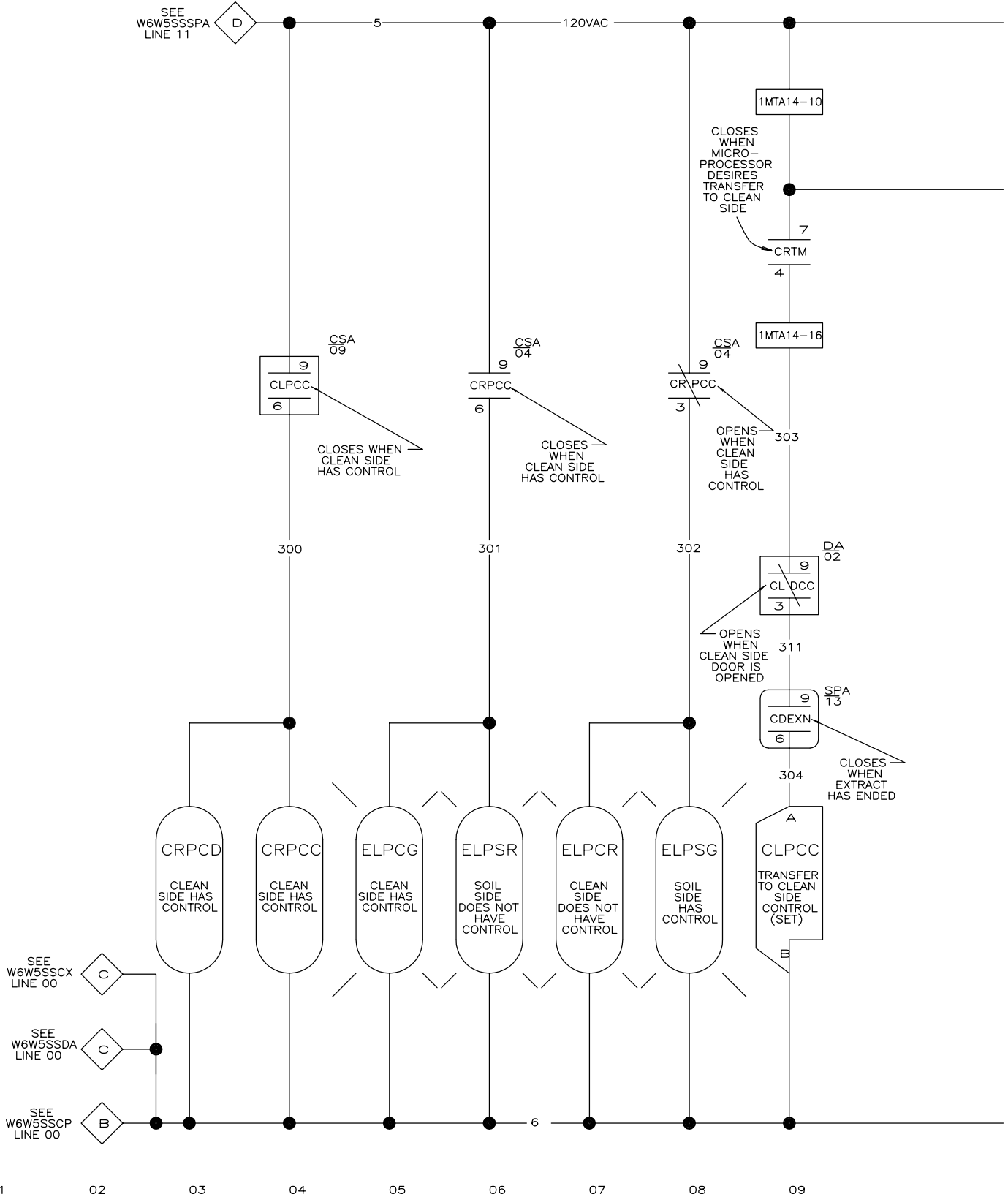
NOTES:

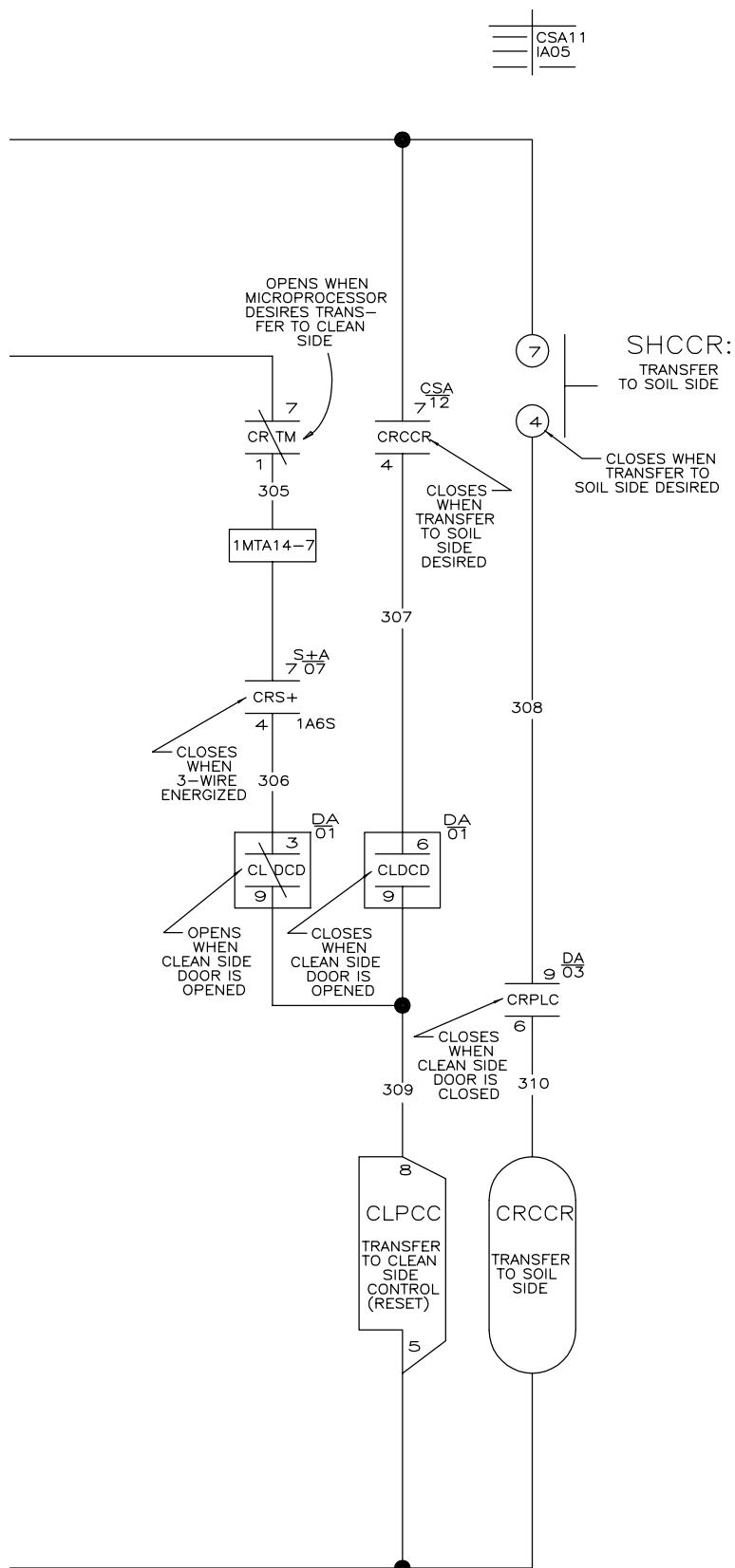
1. RELAYS CRPCD, AND CRCCR ARE LOCATED IN AUTOSPOT CONTROL BOX.
2. 1MTA13, 1MTA14 ARE LOCATED ON B016-1 (16 OUTPUT BOARD).

W6W5SSCS
MICRO 6 SYSTEMS
MARK VI (SERIAL CONTROLS)
SCHEMATIC: CLEAN & SOIL SIDE CONTROLS
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

ASA01	ASA00	S+A02	S+A01
		DA08	DA08
		CSA08	CSA06

DA11	DA13
	CSA04





NOTES:

1. 1MTA14 IS LOCATED ON B024-1 (24 OUTPUT BOARD).

W6W5SSCSA
MICRO 6 SYSTEMS
MARK VI 72044 SP2/3 ONLY
SCHEMATIC: CLEAN & SOIL SIDE CONTROLS
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

— DOTTED LINES REPRESENT
SIGNALS TO OTHER MILNOR
MACHINES SEE INDIVIDUAL
MACHINE SCHEMATICS FOR
CONNECTION. MTA & PLUG
CONNECTIONS MAY BE DIFFERENT
FOR OTHER MODELS.

NOTES:

1. WCC IS LOCATED IN THE RIGHT CONTROL BOX ON THIS MODEL MACHINE.
2. CONTACT CRCSM MUST BE INTERPRETED BY THE CHEMICAL SEQUENCER (SUPPLIED BY OTHERS) AND IT MUST SIGNAL ALL OTHER MILNOR MACHINES TO WAIT BEFORE THEY INJECT CHEMICALS.

W6W5SSCV
MICRO 6 SYSTEMS
MARK V

SCHEMATIC: CHEMICAL SAVE (OPTIONAL)

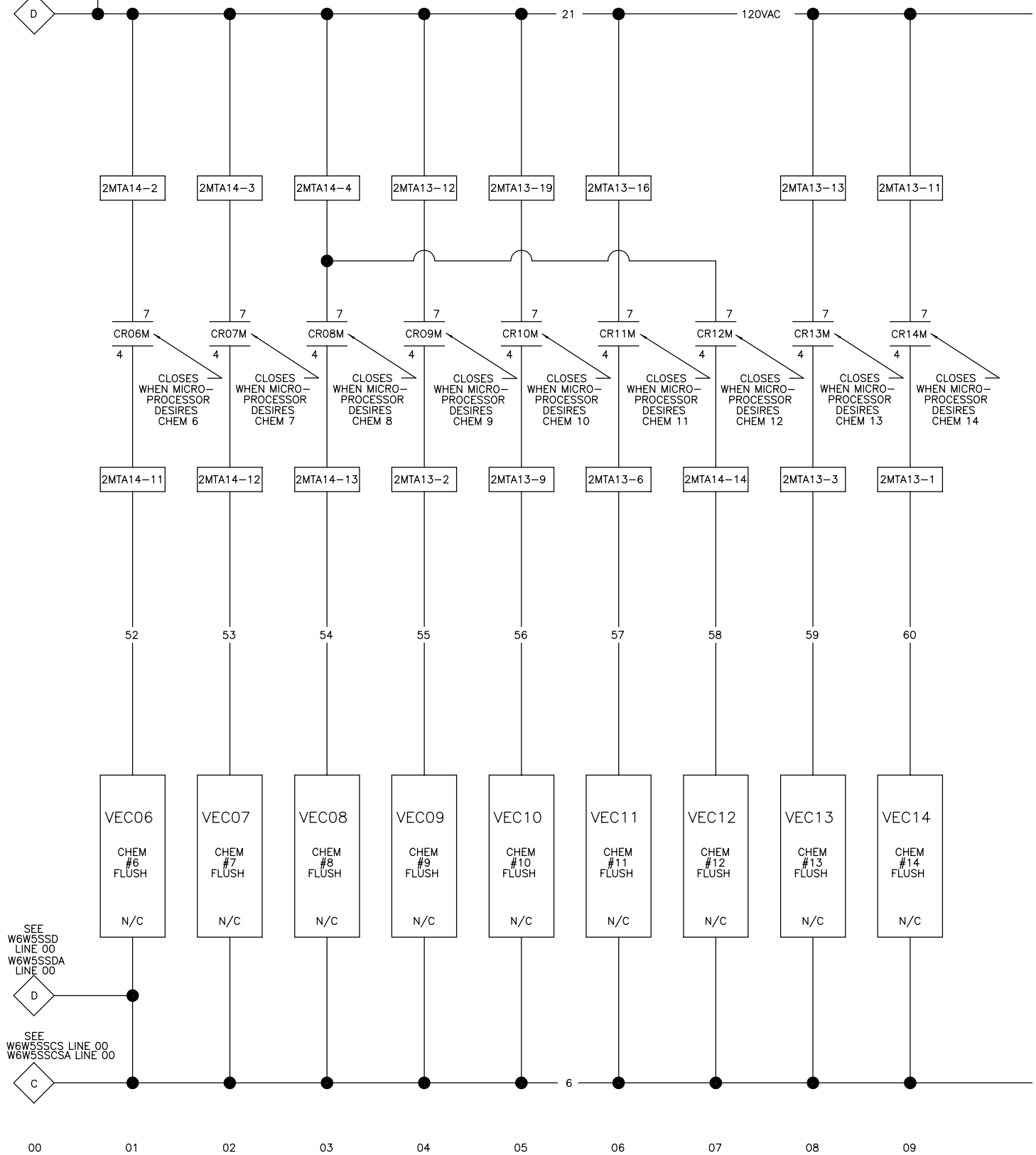
PELLERIN MILNOR CORPORATION

W6W5SSCV
2008142B

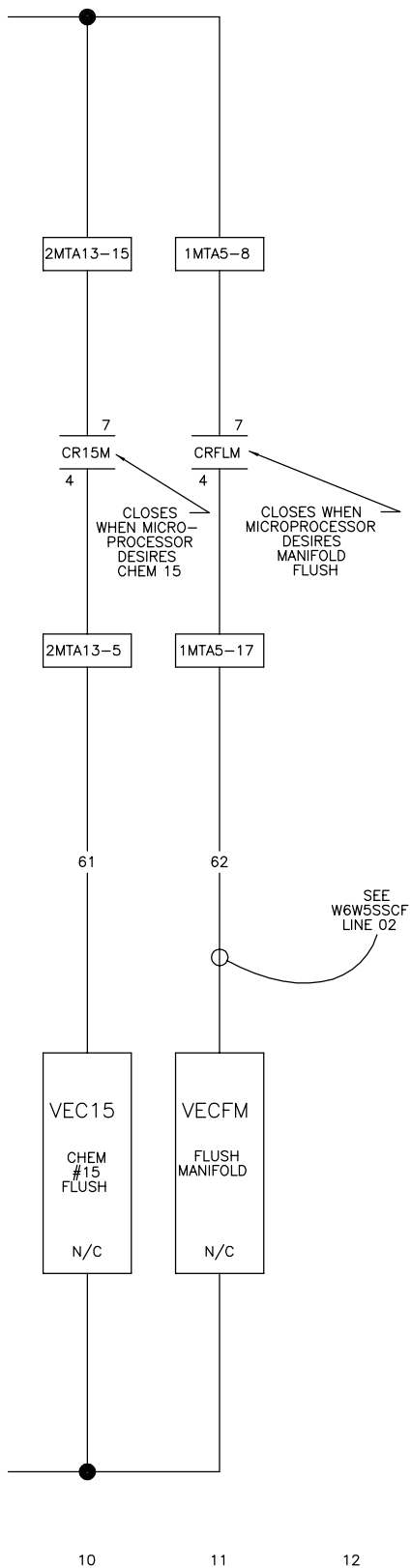
W6W5SSCV
2008142B

SEE
W6W5SSEV
LINE 10
W6W5SSEVA
LINE 10

SEE
W6W5SSCP
LINE 00



W6W5SSCX
2012305B



W6W5SSCX

MICRO 6 SYSTEMS

SERIAL CONTROLS

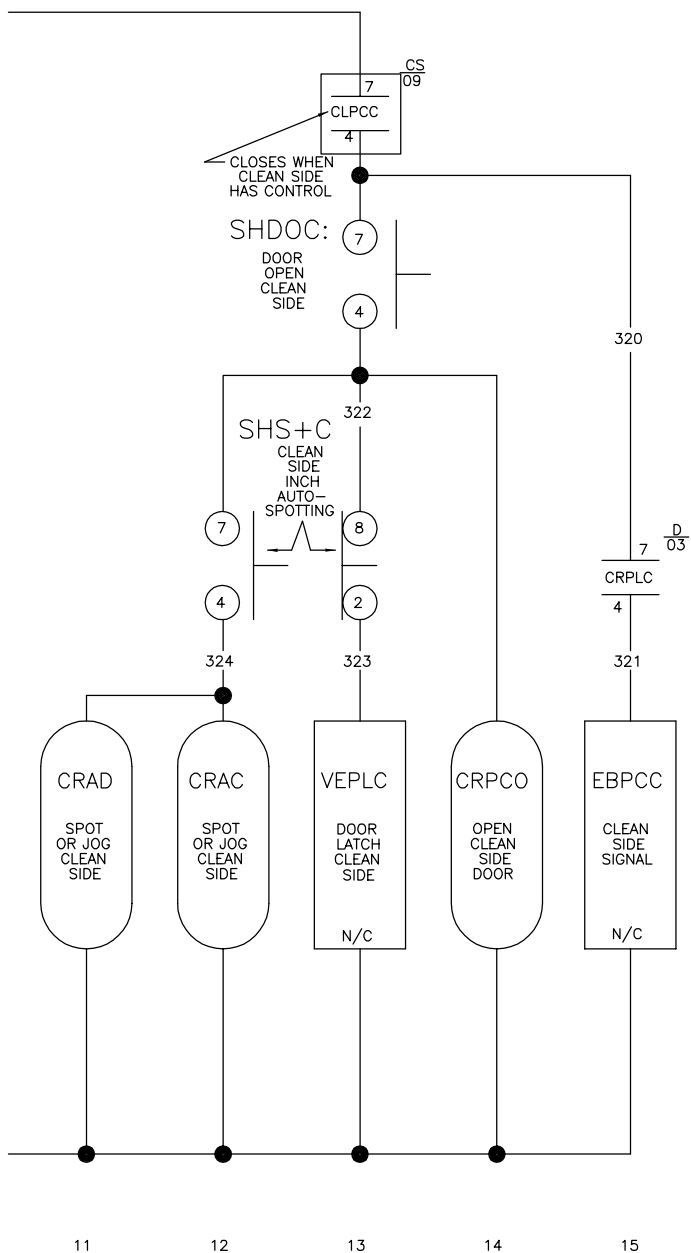
MARK V

SCHEMATIC: CENTRAL LIQUID SUPPLY FLUSH 6 THROUGH 15

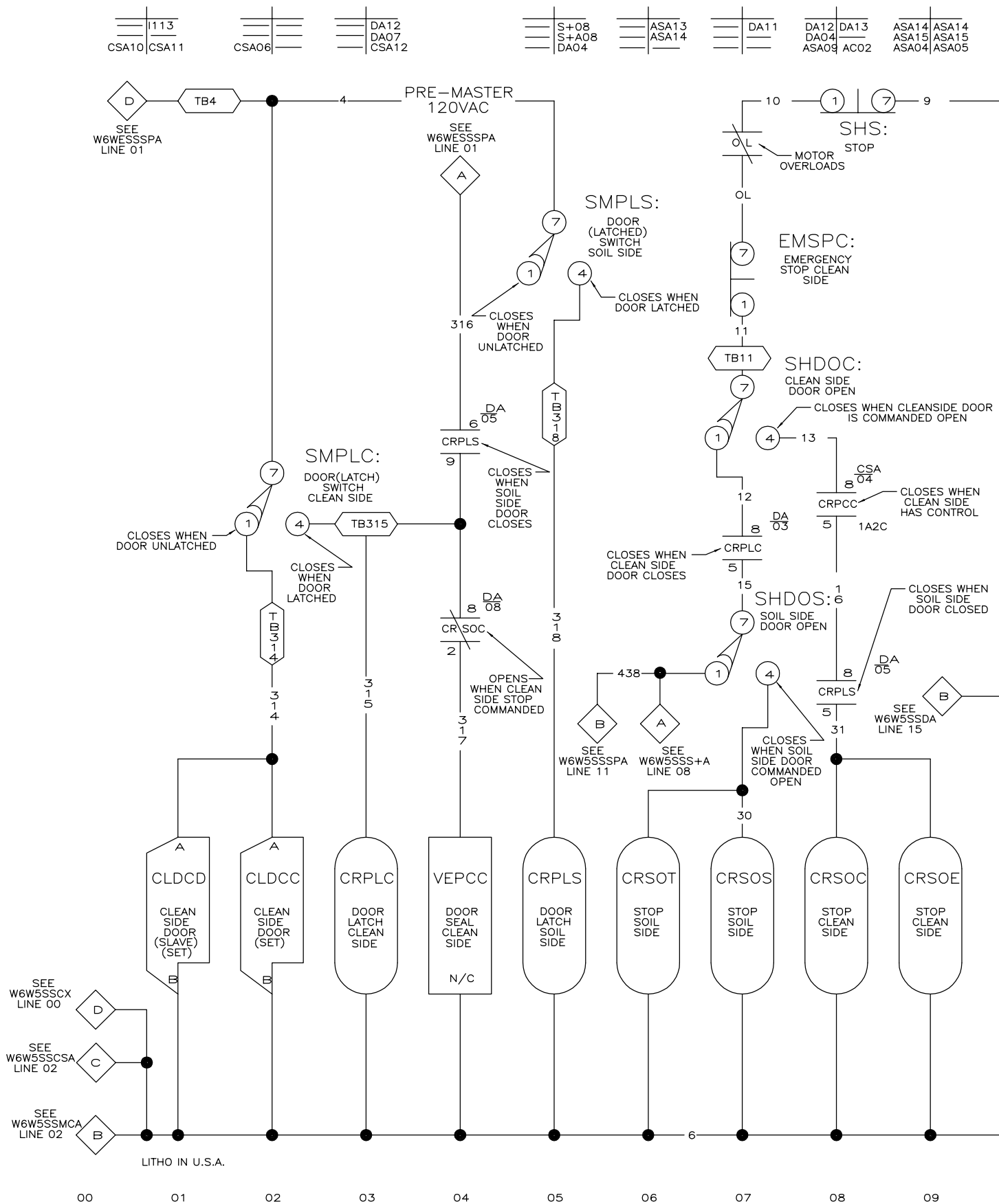
PELLERIN MILNOR CORPORATION

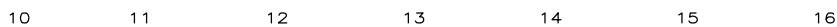


W6WSSD
2012305B



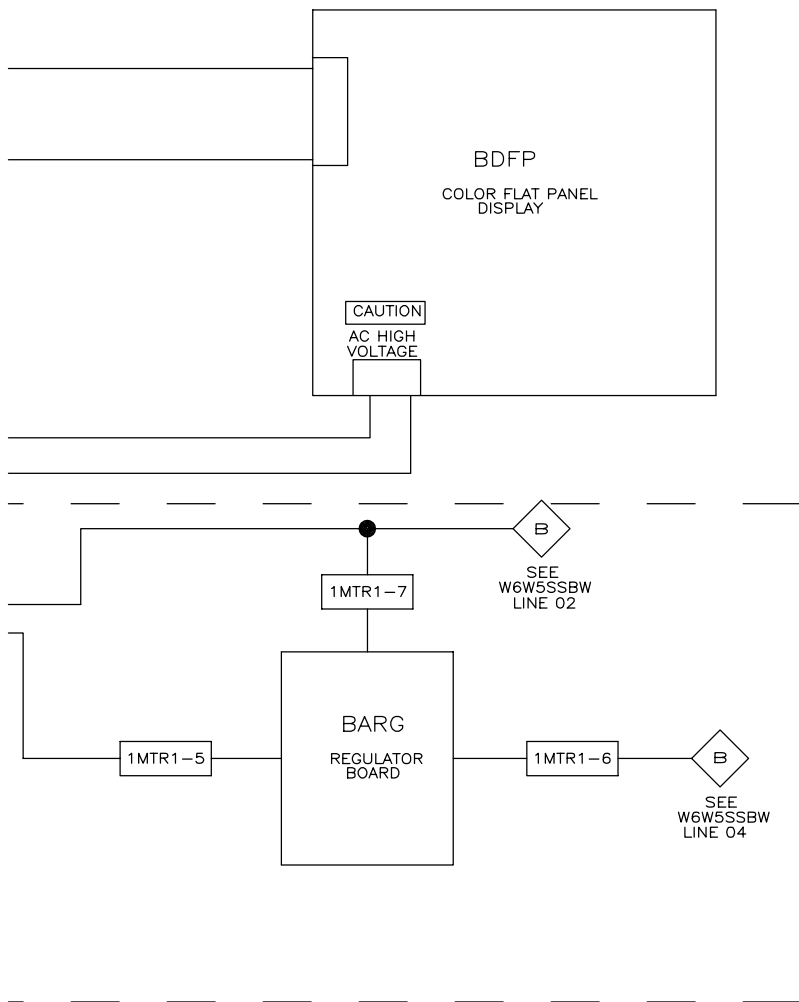
W6W5SD
MICRO 6 SYSTEMS
MARK VI SERIAL CONTROLS
SCHEMATIC: DOOR CIRCUITS
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION





1. **J1** , **J2** – REMOVE **J** FOR MACHINES WITH DOOR CLOSED OPTION.
2. TB IS LOCATED IN THE RIGHT CONTROL BOX.

W6W5SSDA
MICRO 6 SYSTEMS
MARK VI 72044 SP2/3 ONLY
SCHEMATIC: DOOR CIRCUITS
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



NOTES

1. 1MTA30 IS LOCATED ON BPB (PROCESSOR BOARD).
2. ST1 THROUGH ST5 IS LOCATED ON BFPI COLOR FLAT PANEL INTERFACE BOARD.

W6W5SSEC

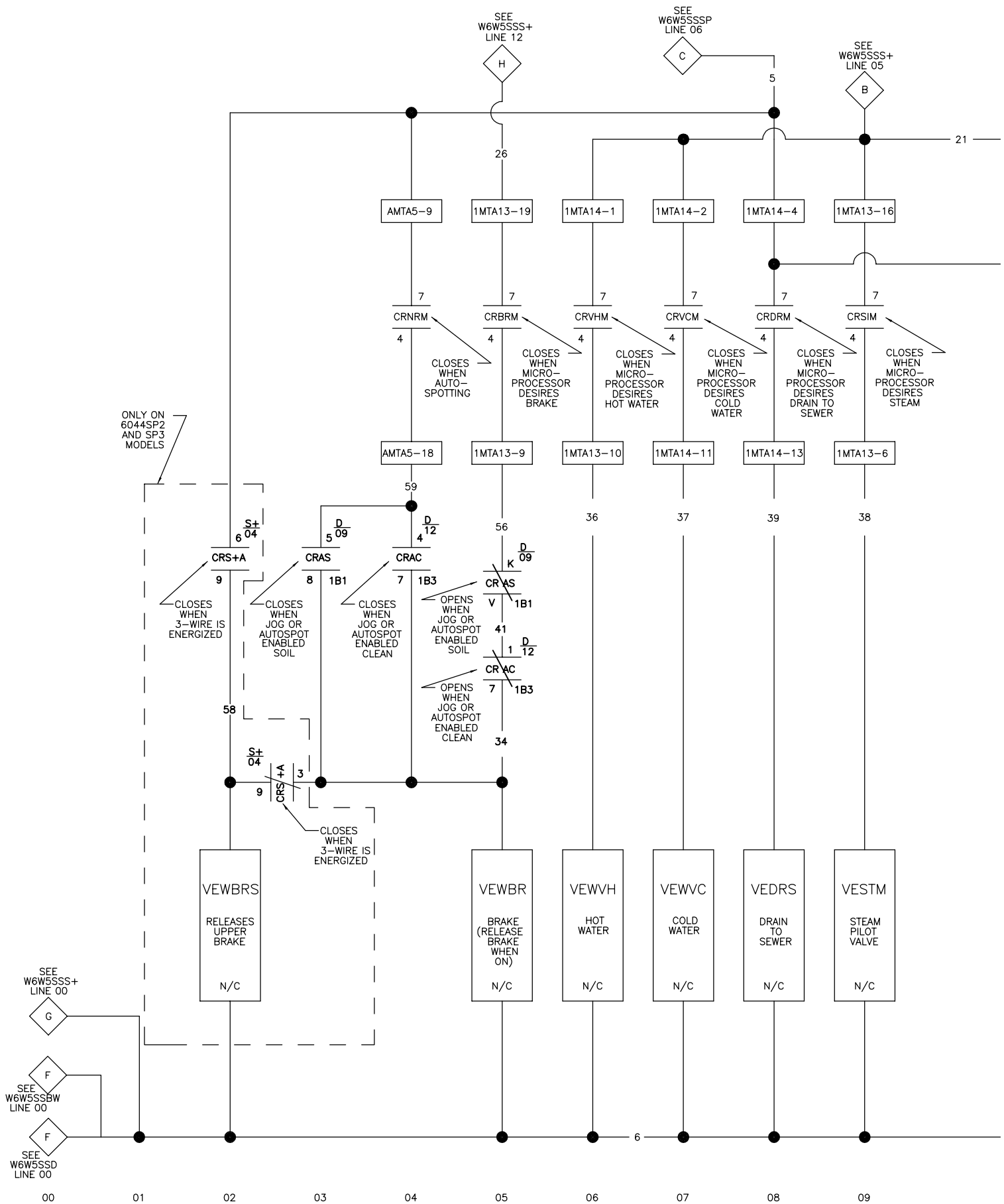
MICRO 6 SYSTEMS

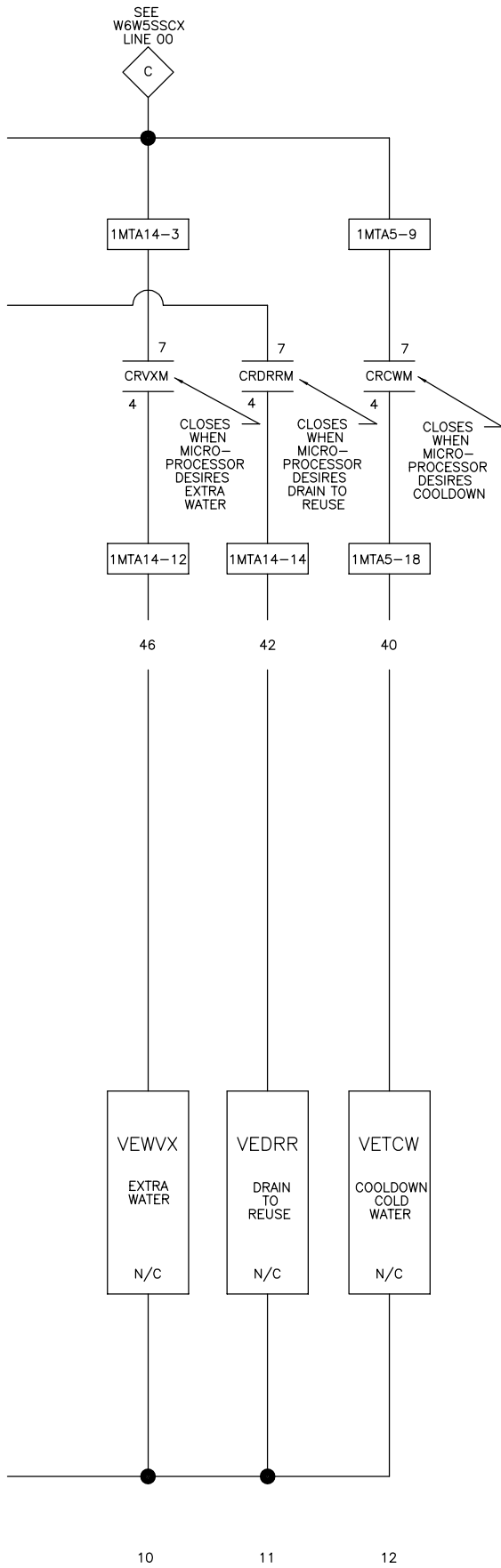
MARK VI

SCHEMATIC: COLOR FLAT PANEL DISPLAY

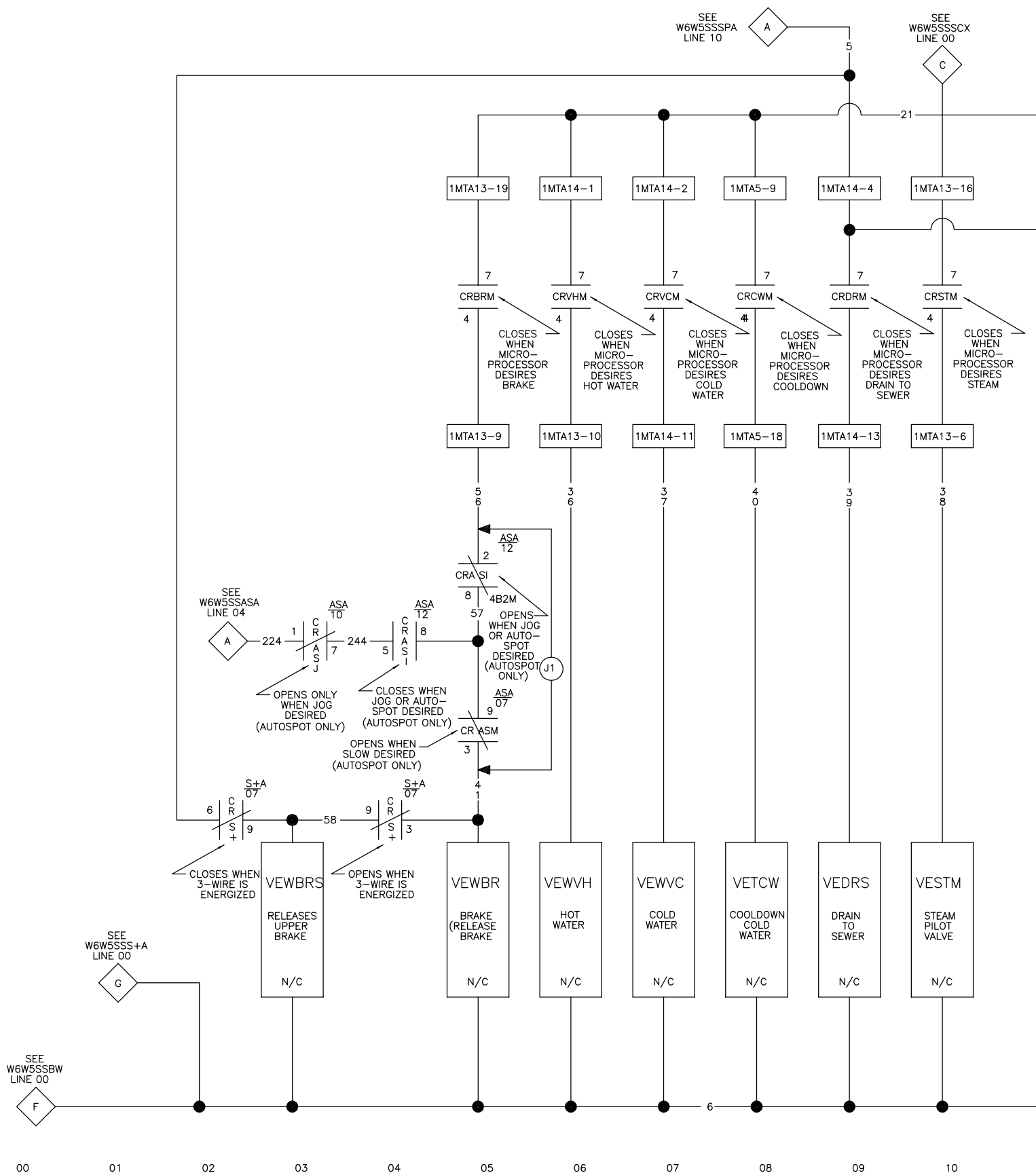
PELLERIN MILNOR CORPORATION

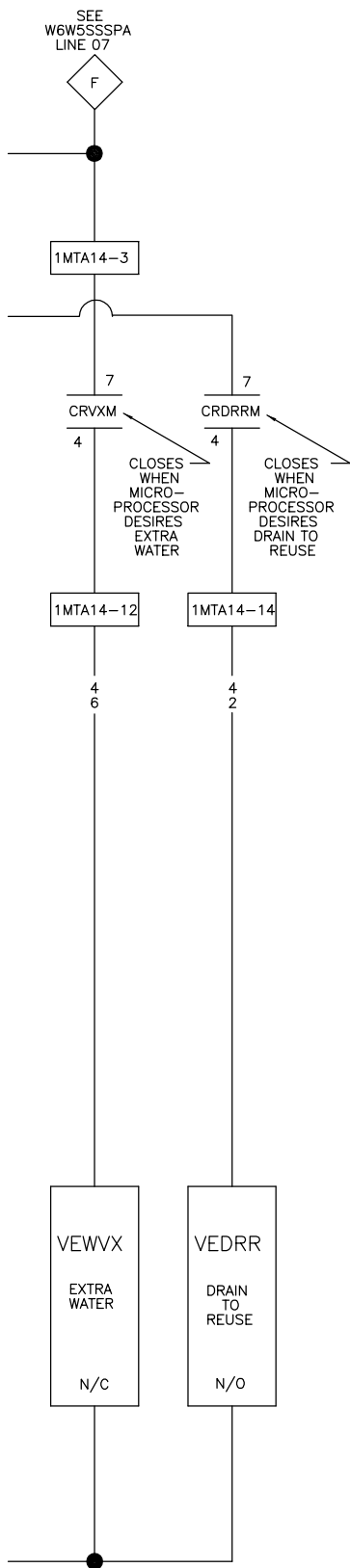
W6W5SSEC
2008043B





W6W5SSEV
MICRO 6 SYSTEMS
MARK VI
SCHEMATIC: ELECTRICAL VALVES
(SERIAL CONTROLS)
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



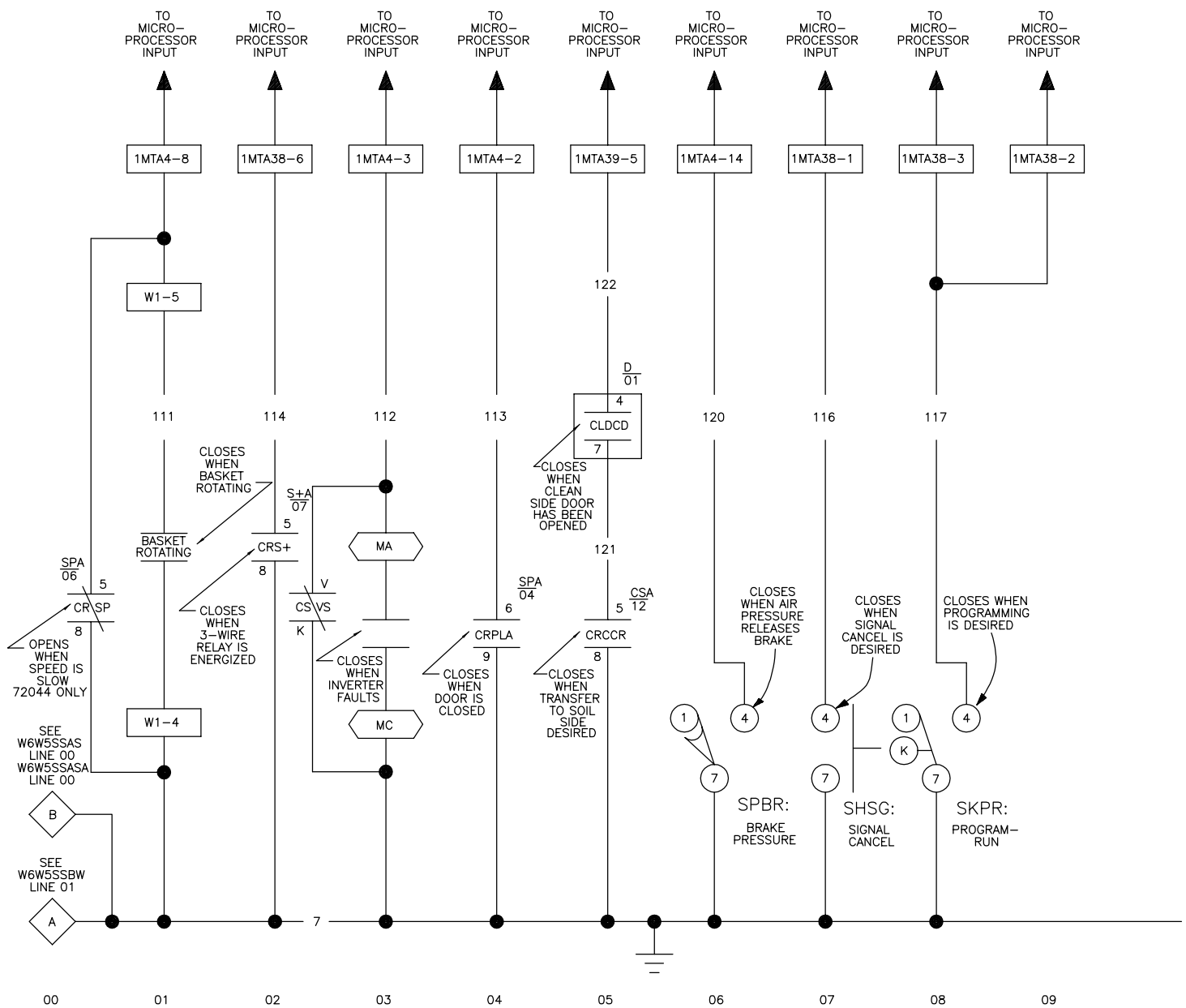


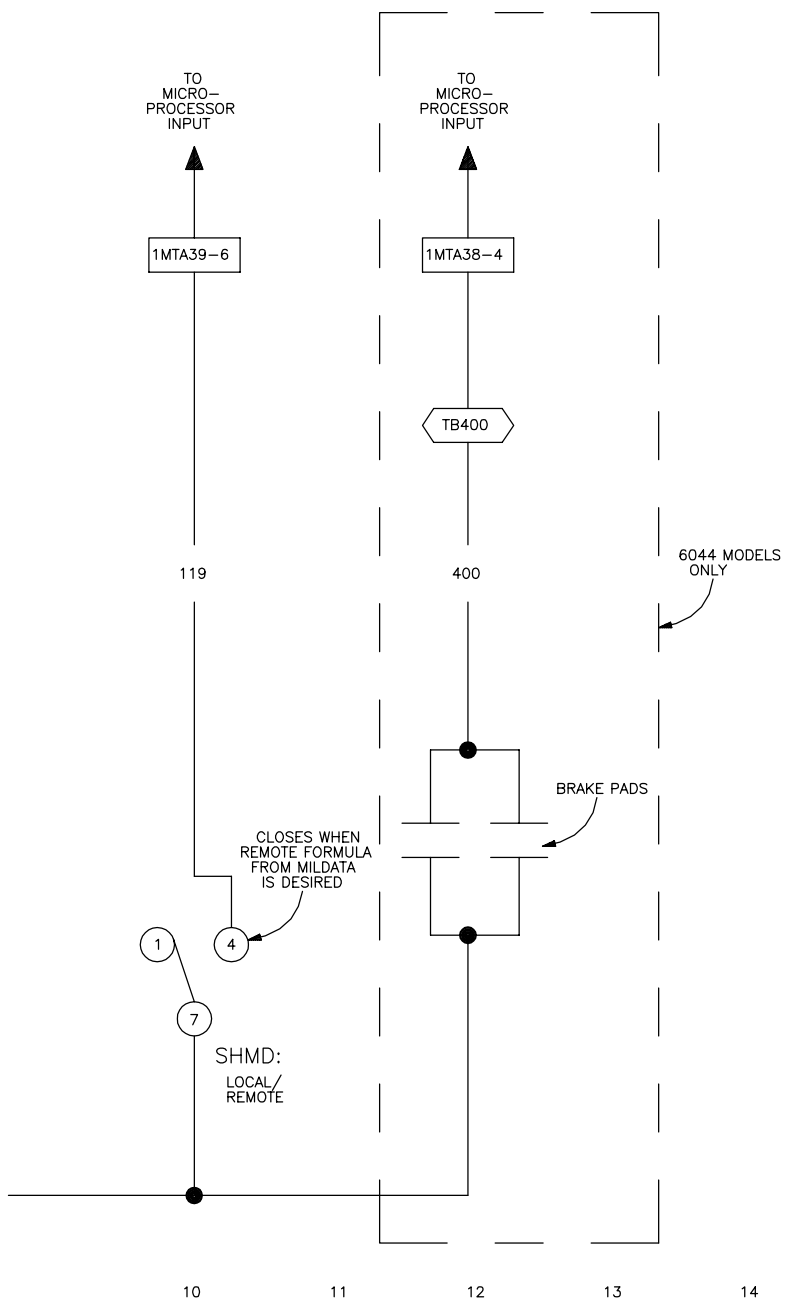
NOTES:

1. REMOVE (J1) FOR MACHINES WITH AUTOSPOT.
2. 1MTA13, 1MTA14 ARE LOCATED ON BO24-1 (24 OUTPUT BOARD).

W6W5SSEVA

MICRO 6 SYSTEMS
MARK VI 72044 SP2/3 ONLY
SCHEMATIC: ELECTRICAL VALVES
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION





W6W5SS11

MICRO 6 SYSTEMS

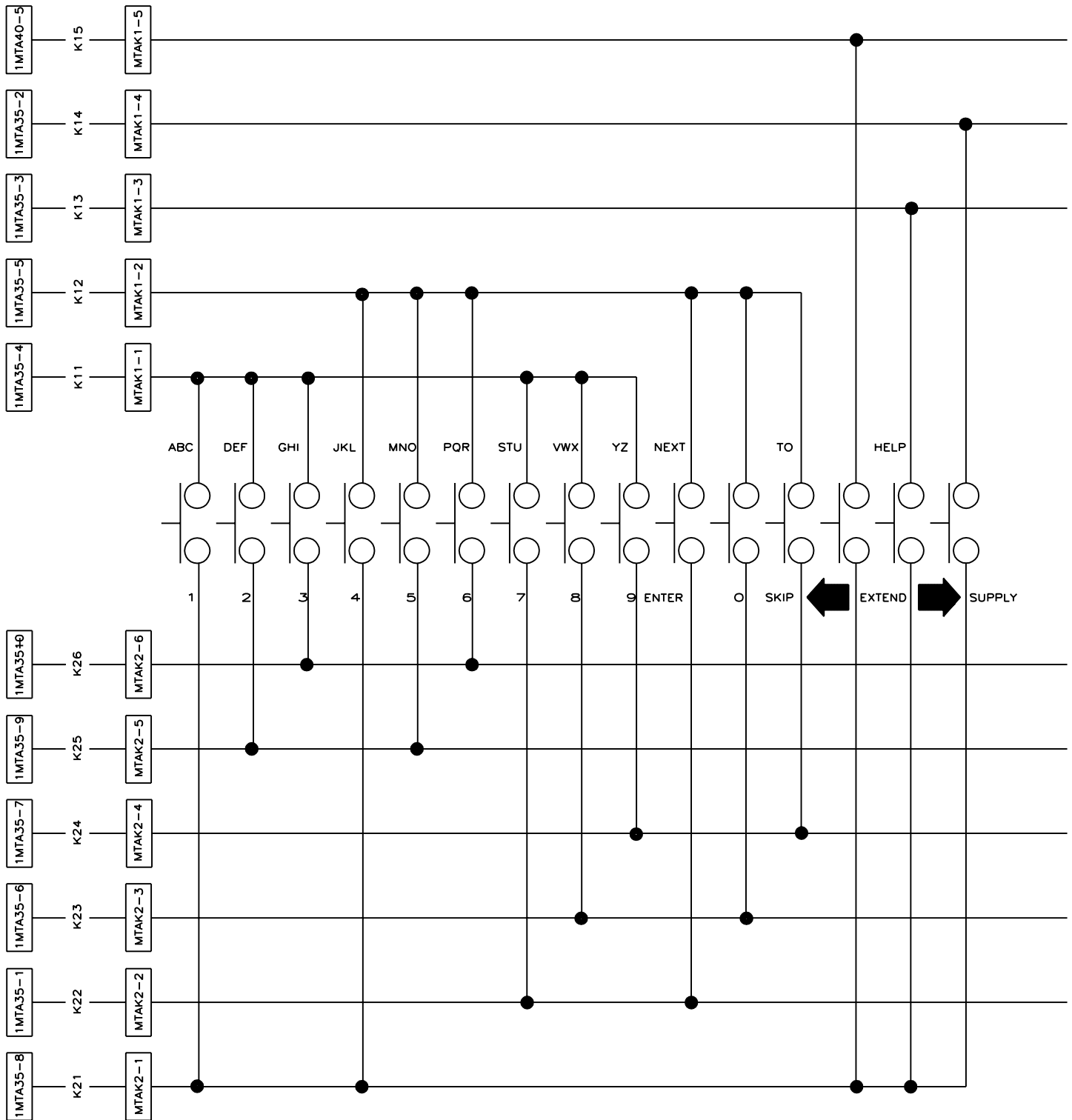
MARK VI

SCHEMATIC: MICROPROCESSOR INPUTS (SERIAL CONTROLS)

PELLERIN MILNOR CORPORATION

W6W5SS11
2012305B

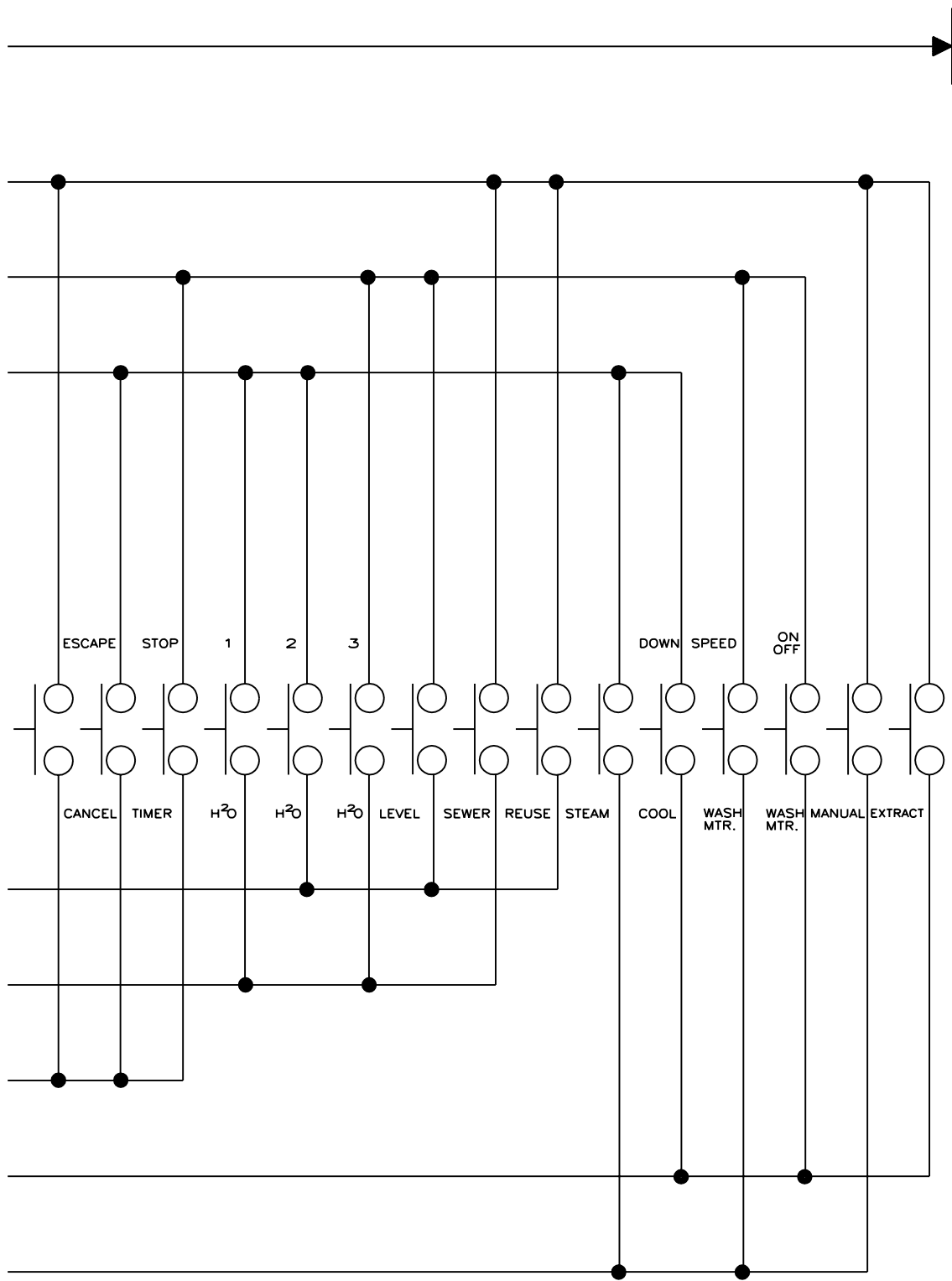
W6W5SS11
2012305B



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10

W6W5SSKP
2005173B



NOTES:

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

W6W5SSKP

MICRO 6 SYSTEMS MARK V

SCHEMATIC: KEYPAD (SERIAL CONTROLS)

PELLERIN MILNOR CORPORATION

W6W5SSKP
2005173B

11

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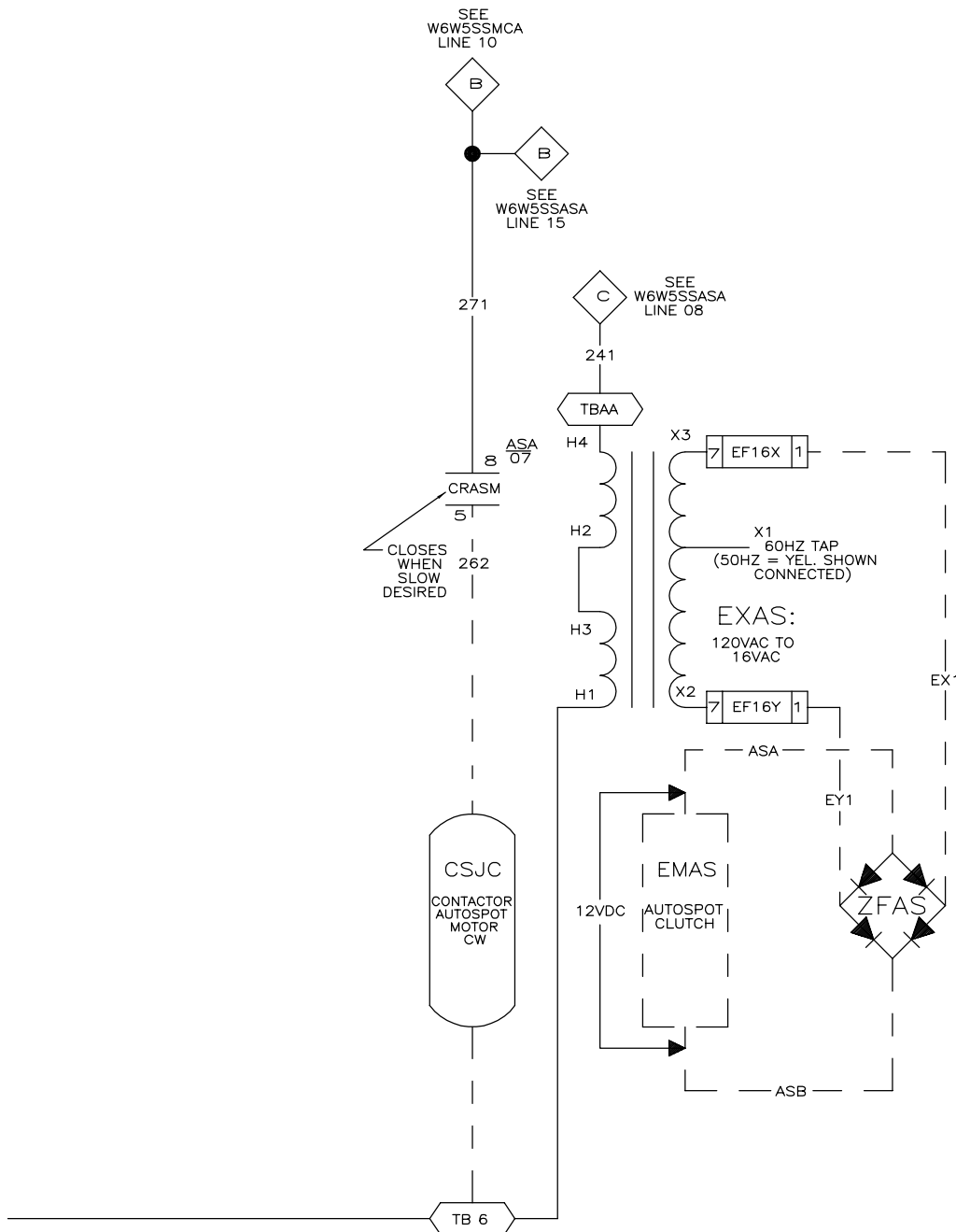
18

19

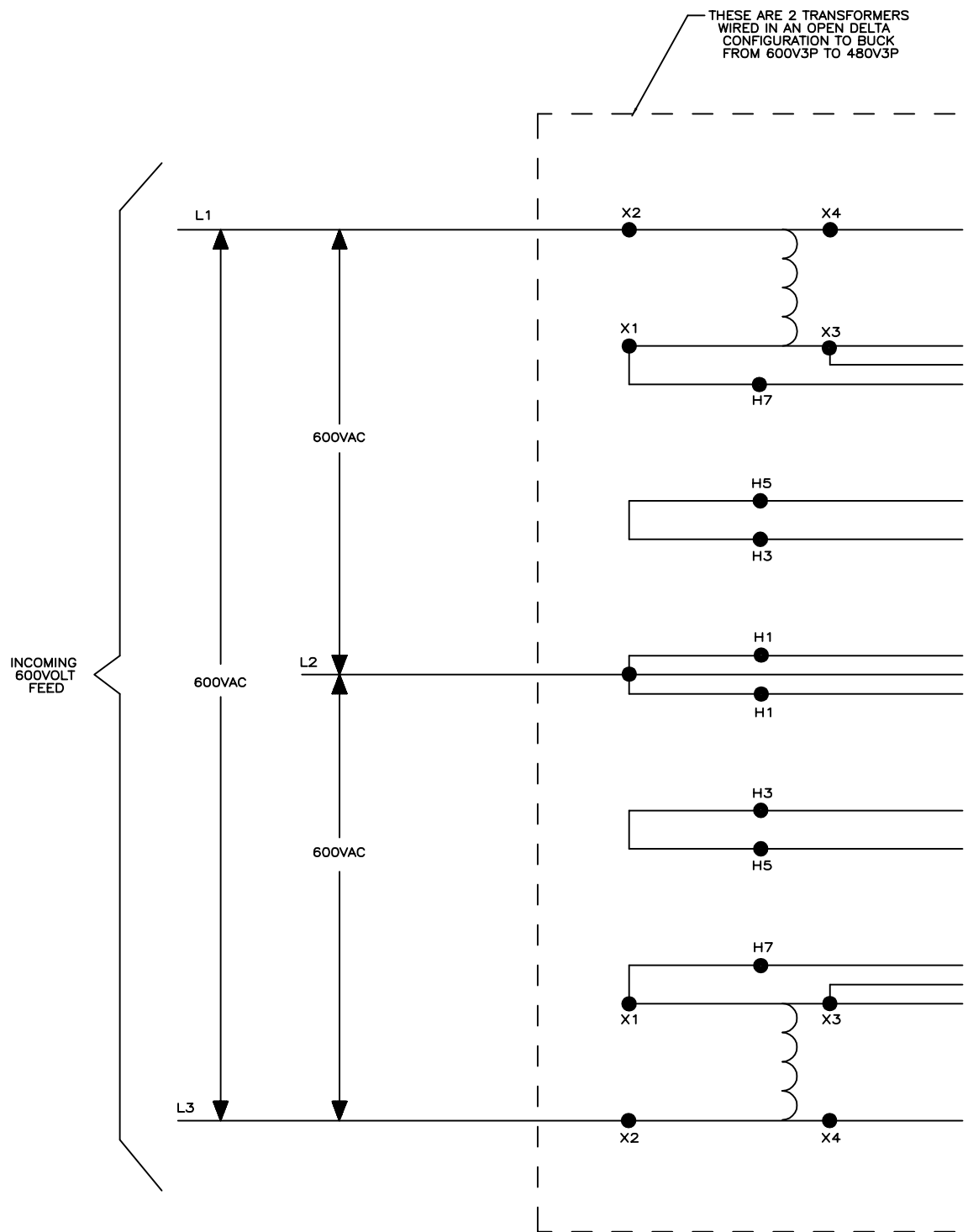
W6W5SSKP
2005173B

NOTES:

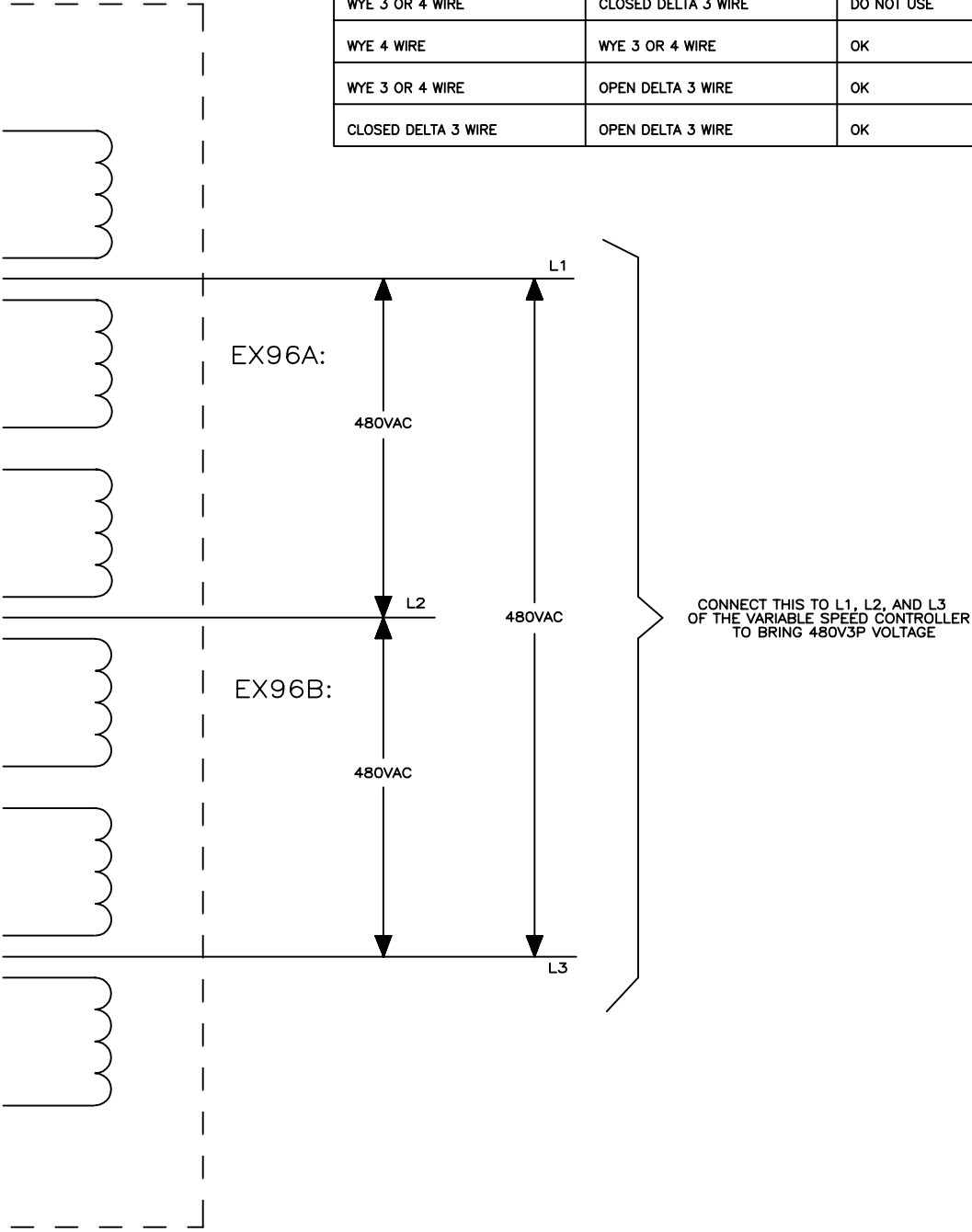
1. 1MTA13, IS LOCATED ON B024-1(24 OUTPUT BOARD)
2. 2MTA14 IS LOCATED ON B024-2(24 OUTPUT BOARD)
3. TBA IS LOCATED IN HIGH VOLTAGE CONTROL BOX.
4. REMOVE J1 FOR 2 SPEED EXTRACT
5. REMOVE J2 AND J3 FOR AUTOSPOT



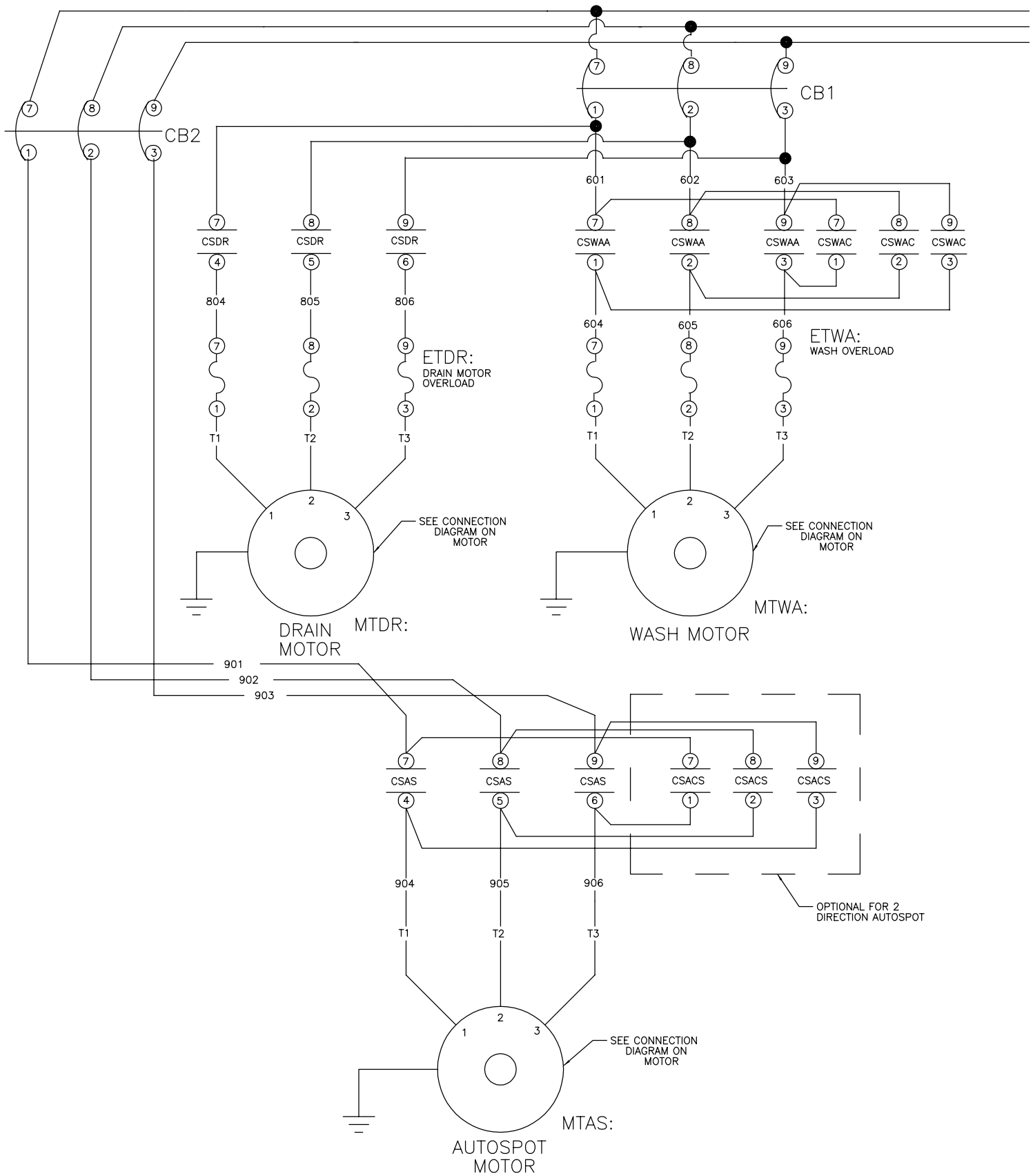
W6W5SSMCA
MICRO 6 SYSTEMS
MARKVI 72044 SP2/3 ONLY
SCHEMATIC: DRIVE MOTOR CONTACTORS
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

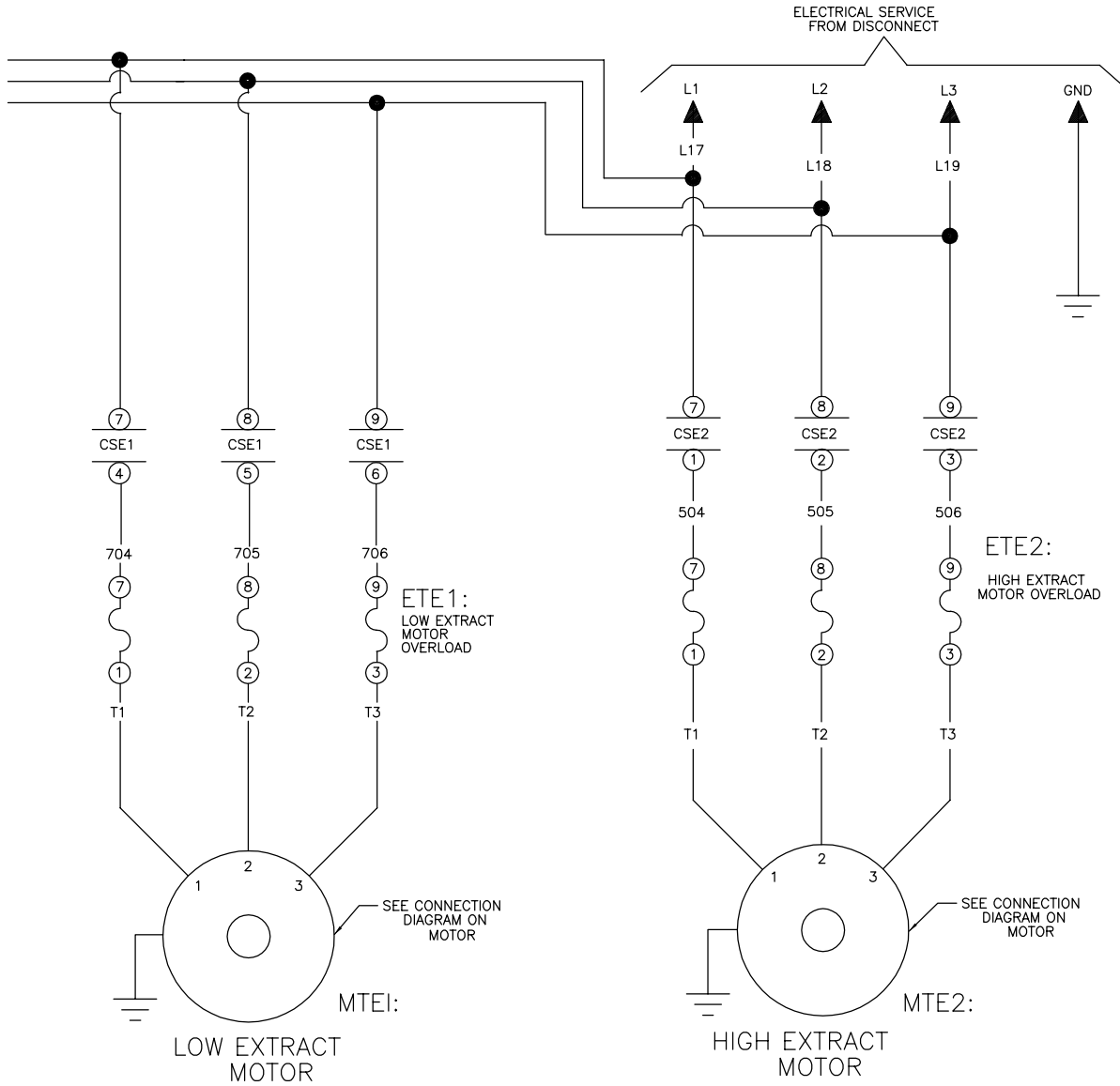


INPUT (SUPPLY SYSTEM)	DESIRED OUTPUT CONNECTION	
DELTA 3 WIRE	WYE 3 OR 4 WIRE	DO NOT USE
OPEN DELTA 3 WIRE	WYE 3 OR 4 WIRE	DO NOT USE
WYE 3 OR 4 WIRE	CLOSED DELTA 3 WIRE	DO NOT USE
WYE 4 WIRE	WYE 3 OR 4 WIRE	OK
WYE 3 OR 4 WIRE	OPEN DELTA 3 WIRE	OK
CLOSED DELTA 3 WIRE	OPEN DELTA 3 WIRE	OK



W6W5SSMT6
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: 600V VARIABLE SPEED
PELLERIN MILNOR CORPORATION



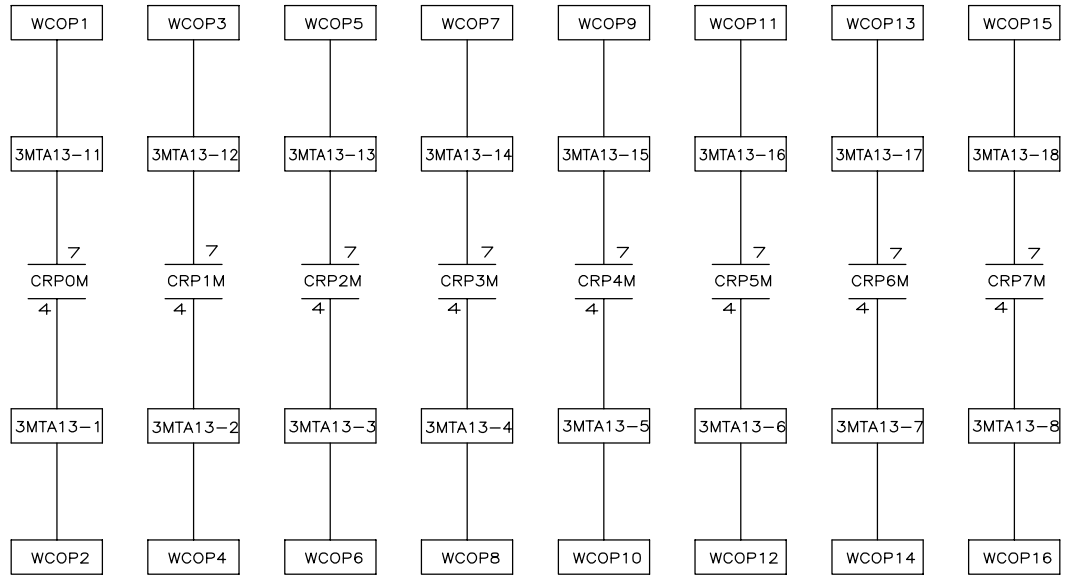


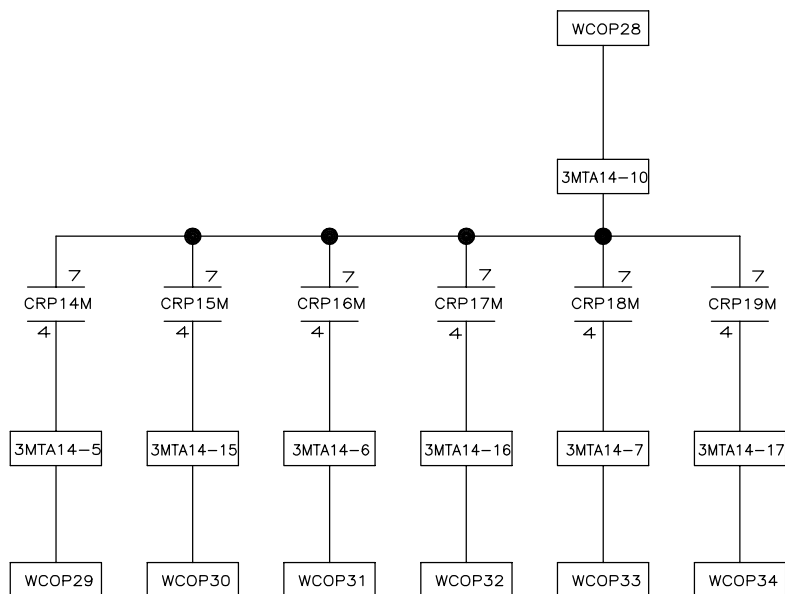
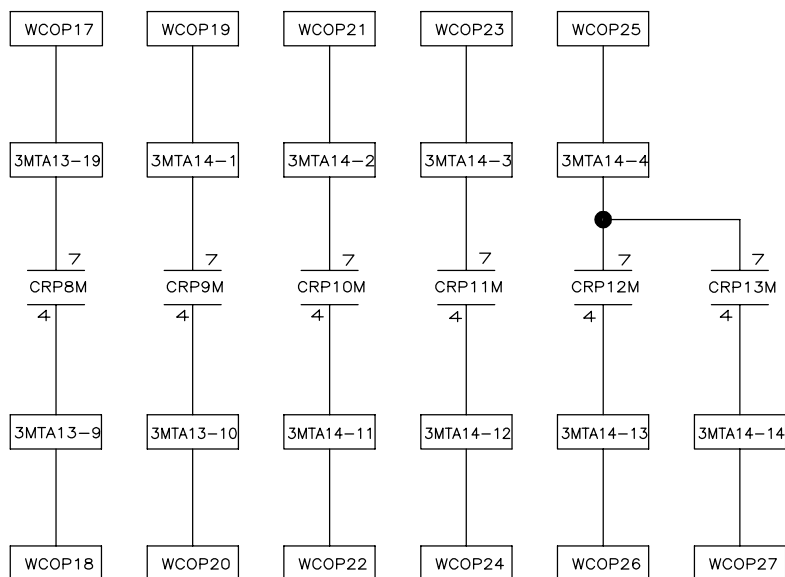
NOTE:

1. THE FUSING SHOWN ON THIS DRAWING WILL VARY BASED ON VOLTAGE. CHECK MACHINE NAMEPLATE FOR ACTUAL FUSING OF MOTORS.

W6W5SSMTA
 MICRO 6 SYSTEMS
 MARK VI
 SCHEMATIC: 7244SP2/3 MOTOR CONNECTIONS
 PELLERIN MILNOR CORPORATION

W6W5SSMTA
 2010133B





W6W5DSOP

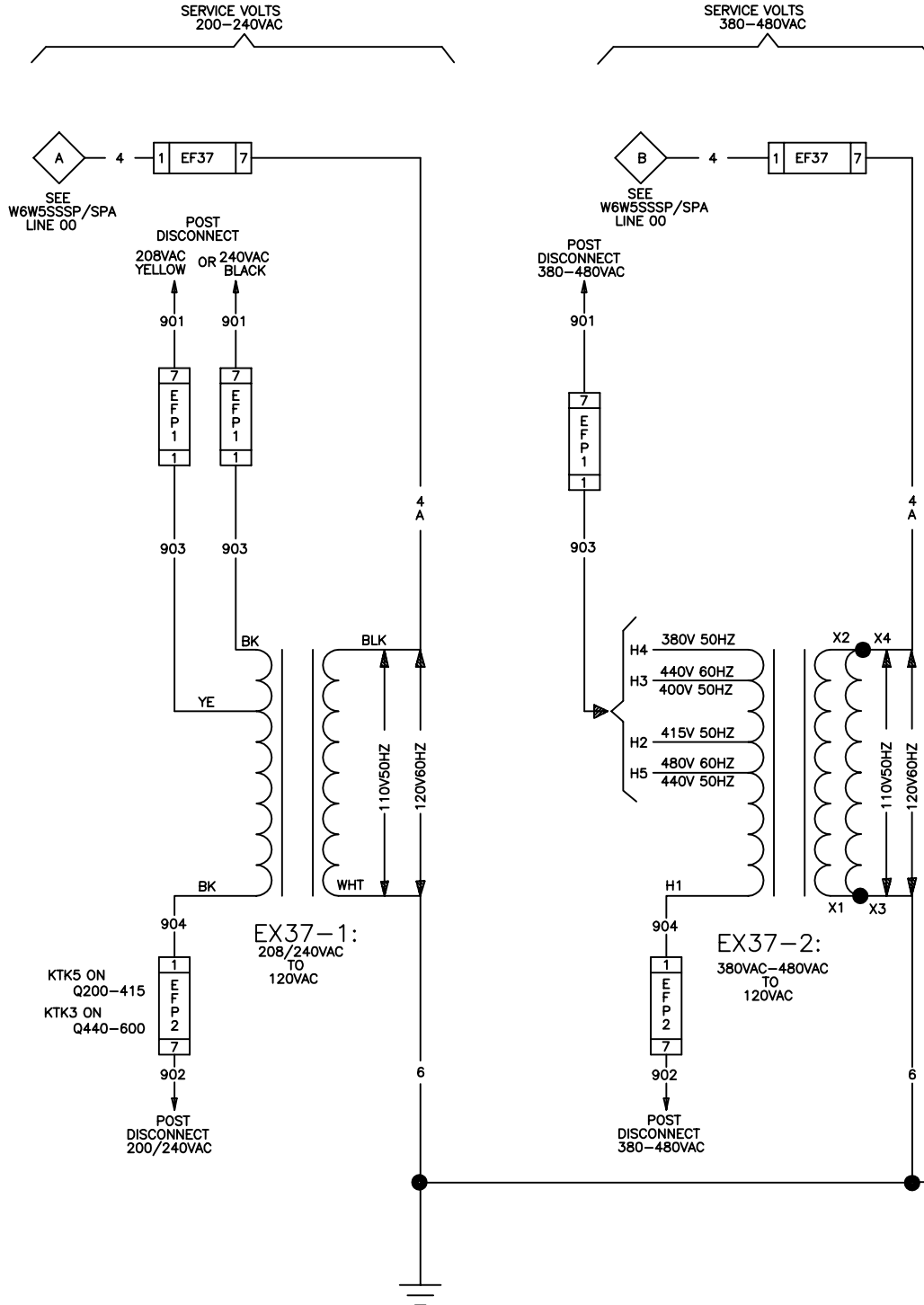
MICRO 6 SYSTEMS SERIAL CONTROLS

SCHEMATIC: 20 OPTIONAL PROGRAMABLE OUTPUTS

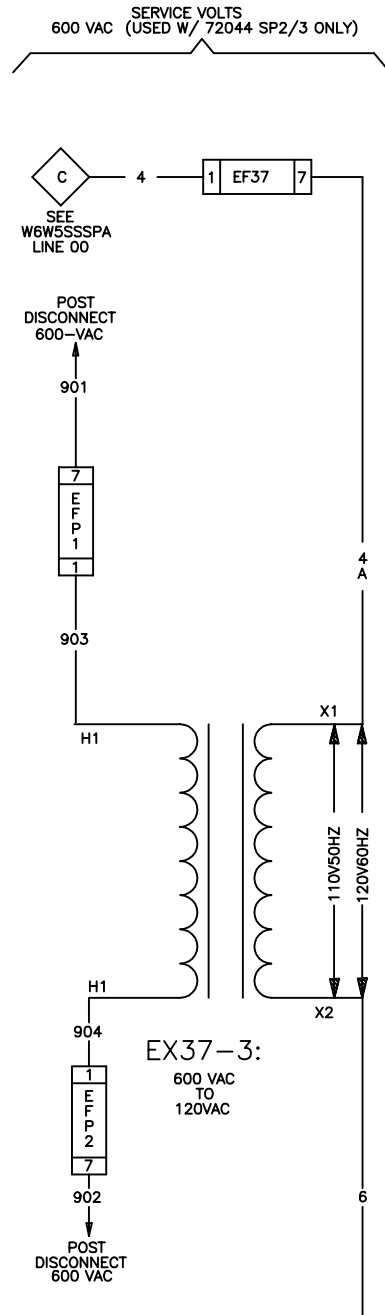
PELLERIN MILNOR CORPORATION

W6W5DSOP
2008142B

CONTROL CIRCUIT POWER



00 01 02 03 04 05 06 07 08 09



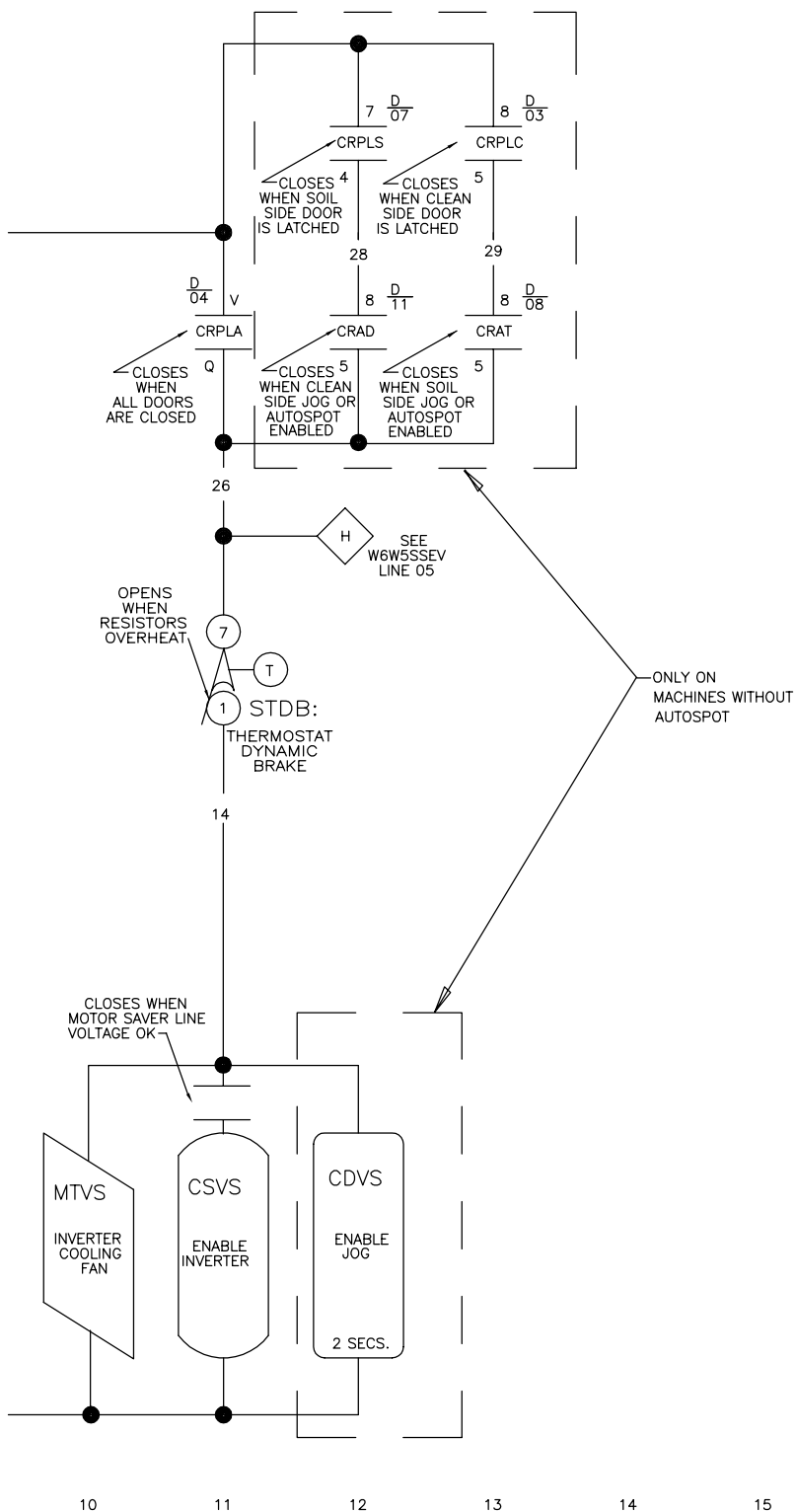
W6W5SSPS

MICRO 6 SYSTEMS
SERIAL CONTROLS
MARK V

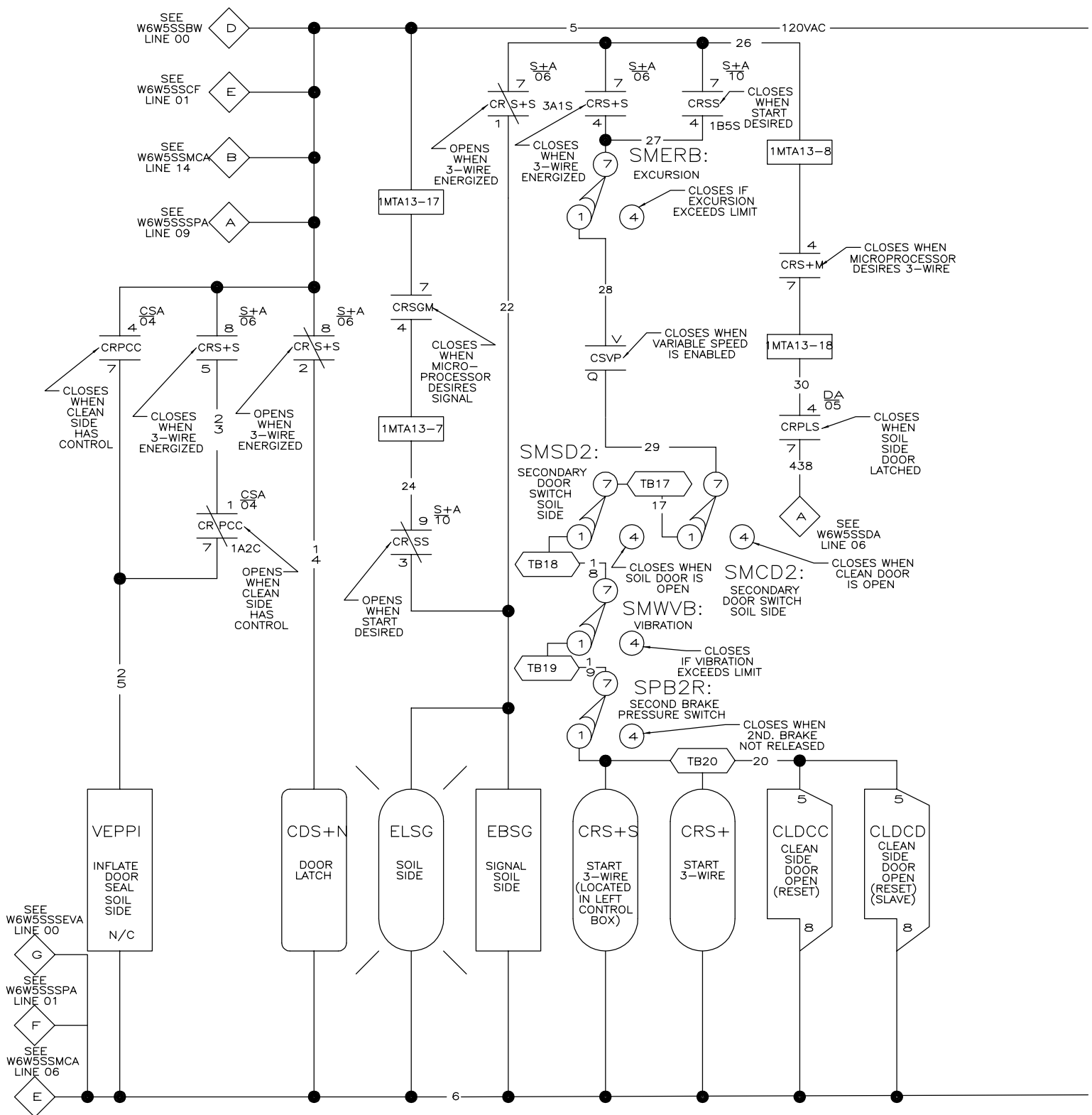
SCHEMATIC:SOURCE 110V1P50HZ/120V1P60HZ
CONTROL CIRCUIT POWER

PELLERIN MILNOR CORPORATION

W6W5SSPS
2010133B



DA11	S+A05	S+A06	EVA02	CSA10
DA13	S+A03	S+A02	SPA07	I102
			EVA 04	



LITHO IN U.S.A.

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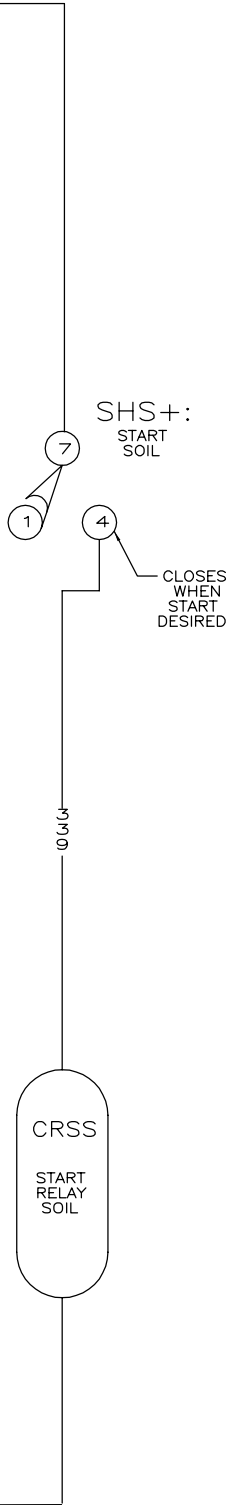
08

09

W6W5SSS+A
2012305B

S+A07
 DA15 DA10
 S+A04

W6W5SSS+A
 2012305B



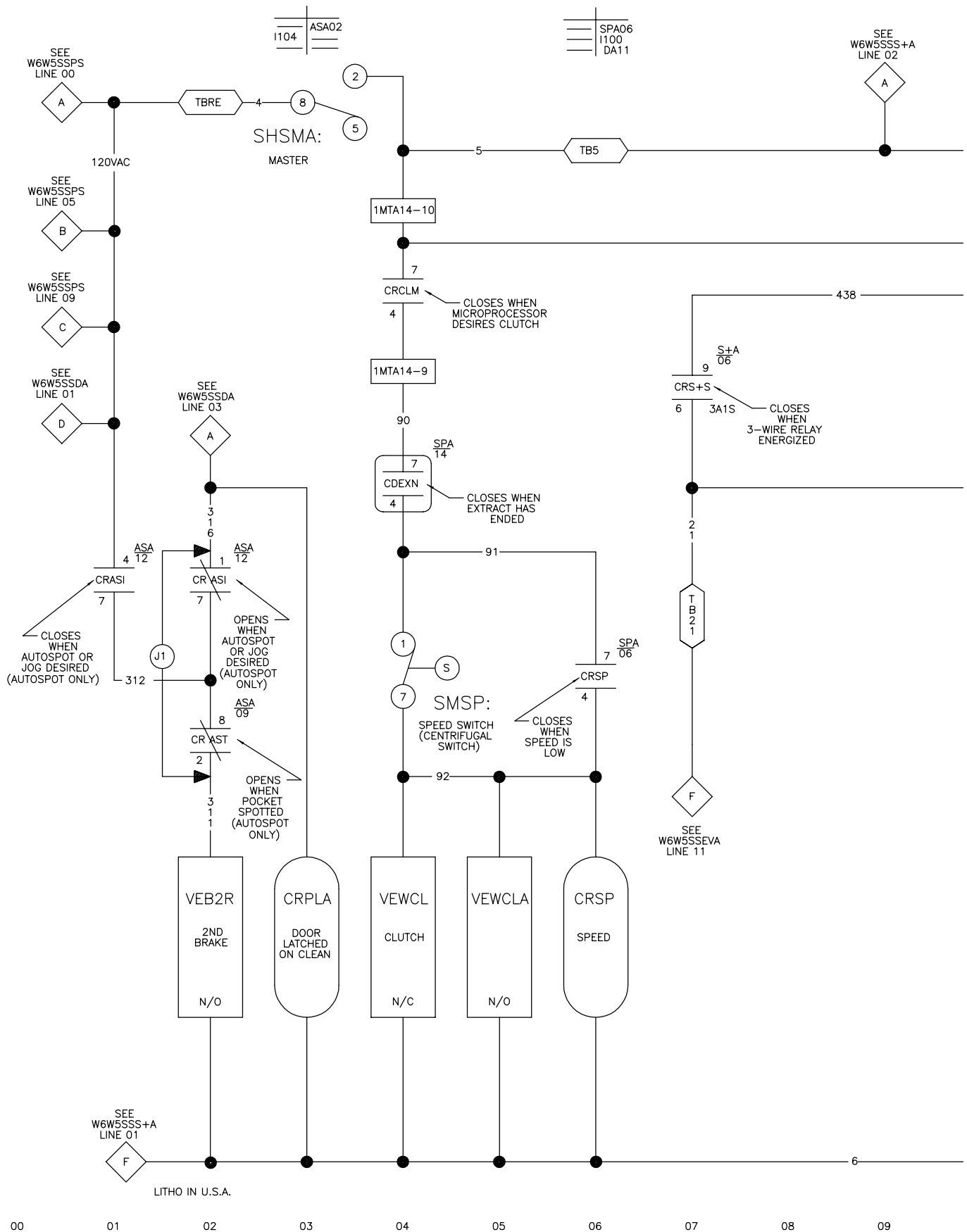
NOTES:
 1. 1MTA13 IS LOCATED ON B024-1
 (24 OUTPUT BOARD).

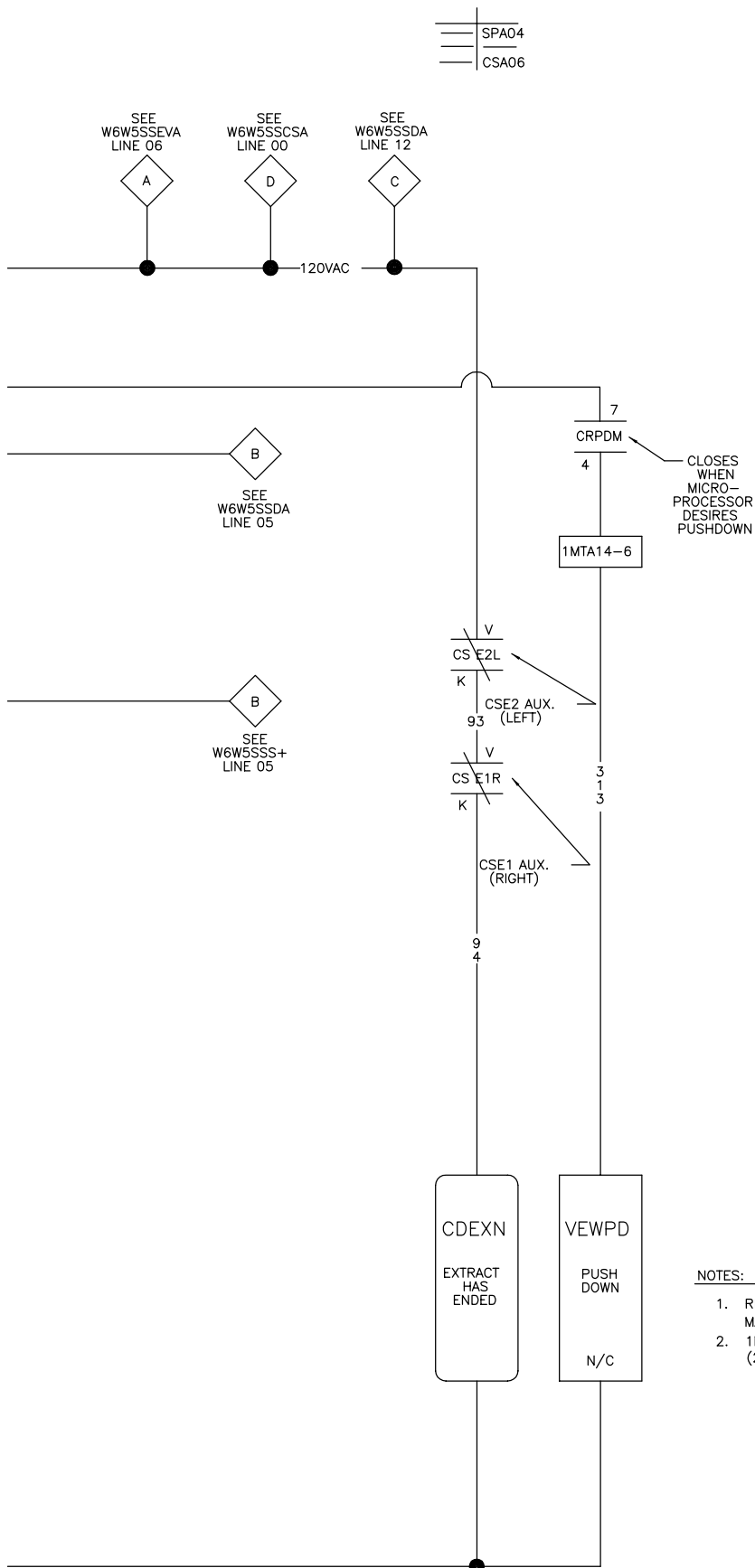
W6W5SSS+A
 MICRO 6 SYSTEMS
 MARK VI 72044 SP2/3 ONLY
 SCHEMATIC: START CIRCUIT
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION

W6W5SSS+A
 2012305B



W6W5SSSP
MICRO 6 SYSTEMS
MARK V SERIAL CONTROLS
SCHEMATIC: MASTER SWITCH
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION





W6W5SSPA

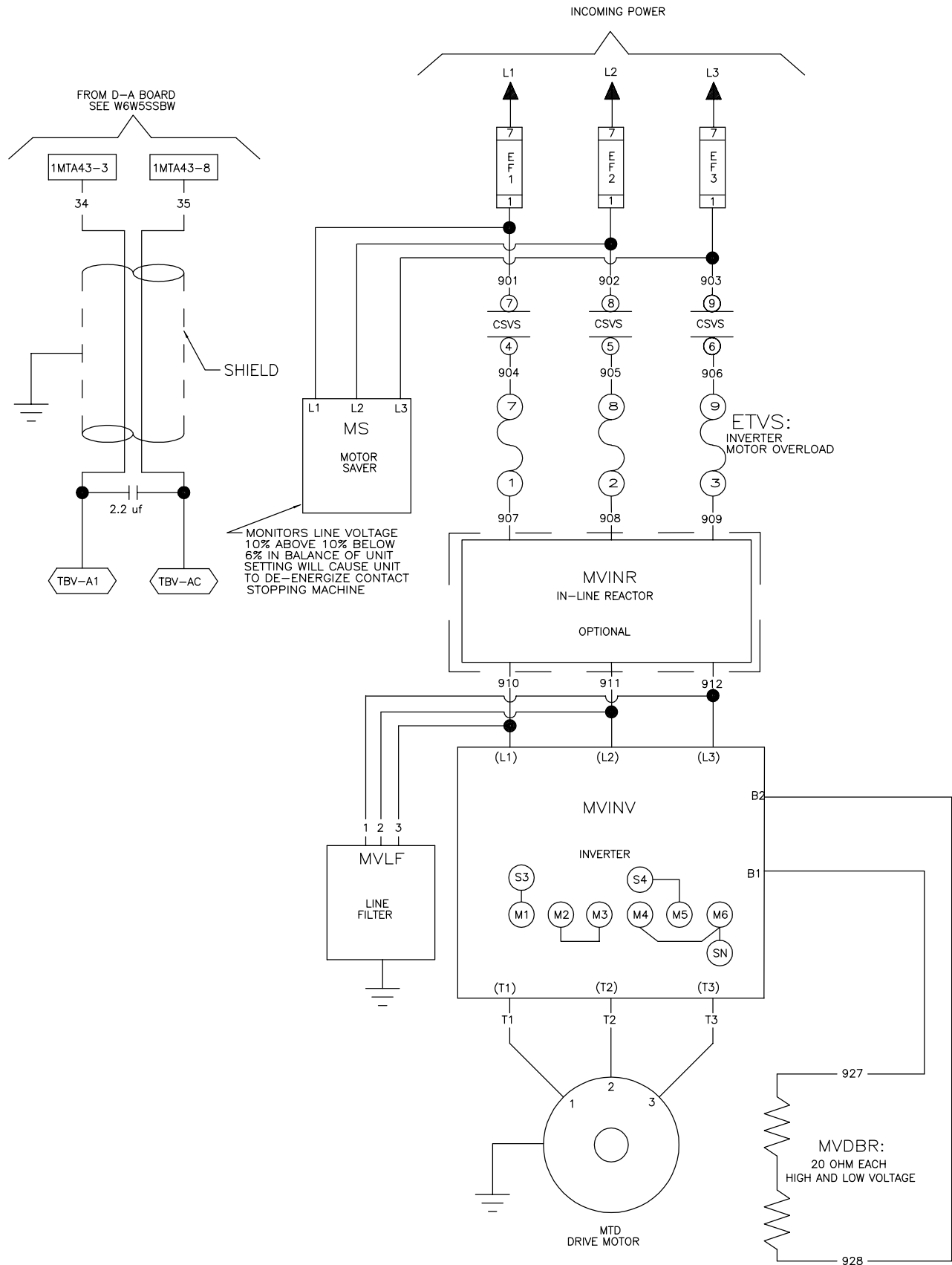
MICRO 6 SYSTEMS
 MARK VI 72044 SP2/3 ONLY
 SCHEMATIC: SPEED, DOOR CIRCUITS,
 & MASTER SWITCH
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION

NOTES:

1. REMOVE (J1) FOR MACHINES WITH AUTOSPOT.
2. 1MTA 14 IS LOCATED ON B024-1 (24 OUTPUT BOARD).

W6W5SSPA
 2012305B

W6W5SSPA
 2012305B



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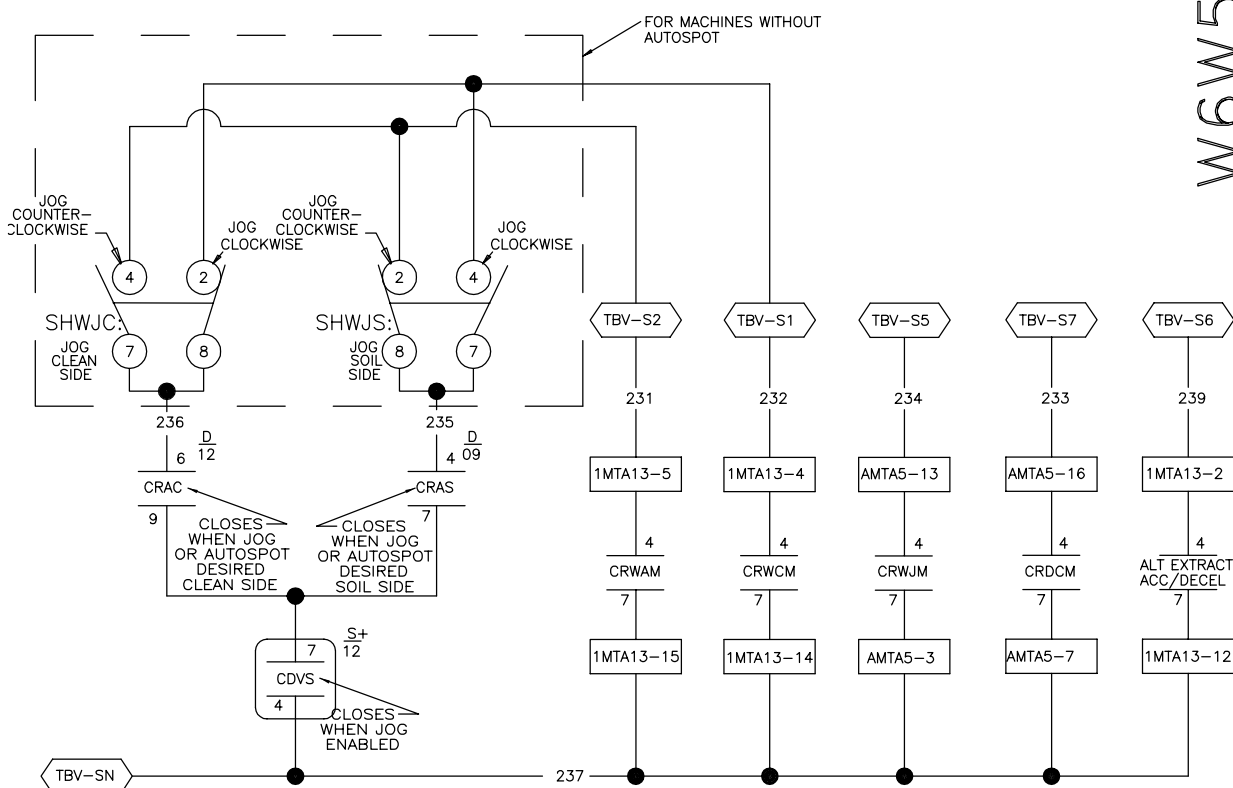
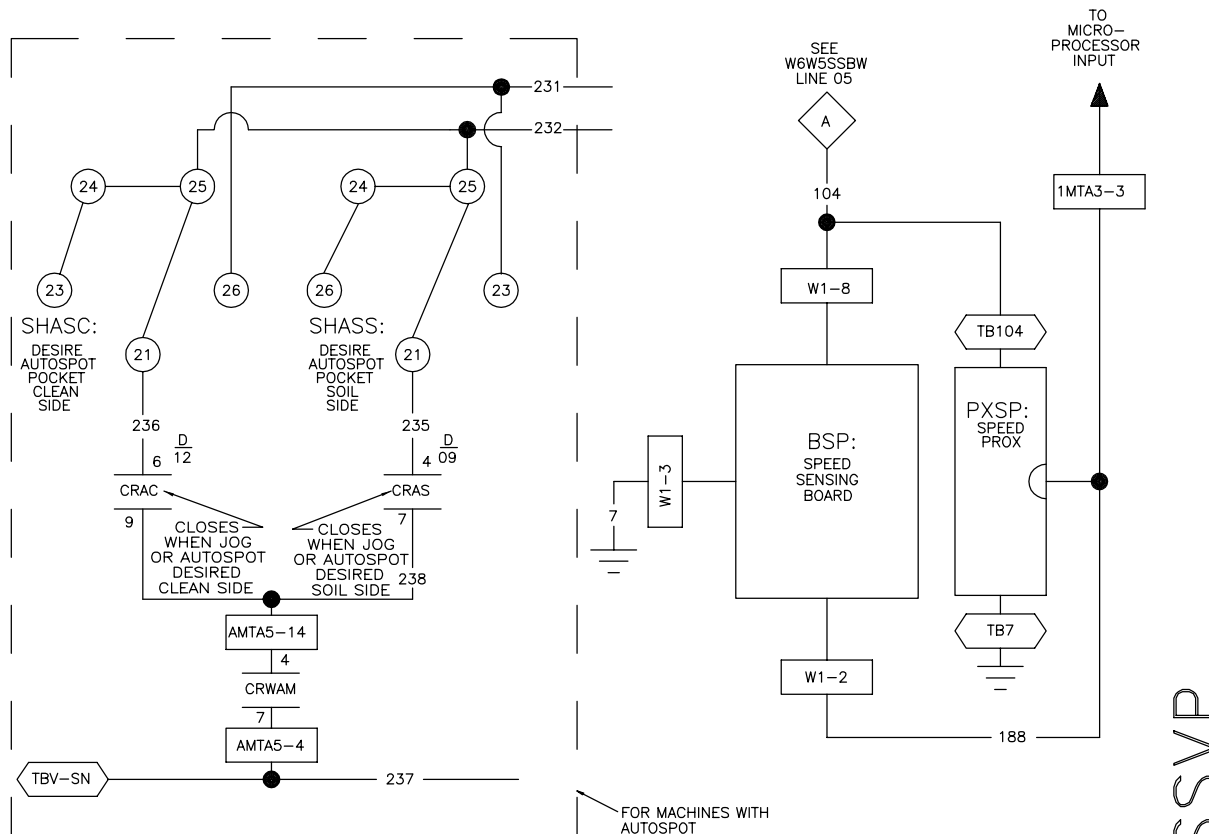
07

08

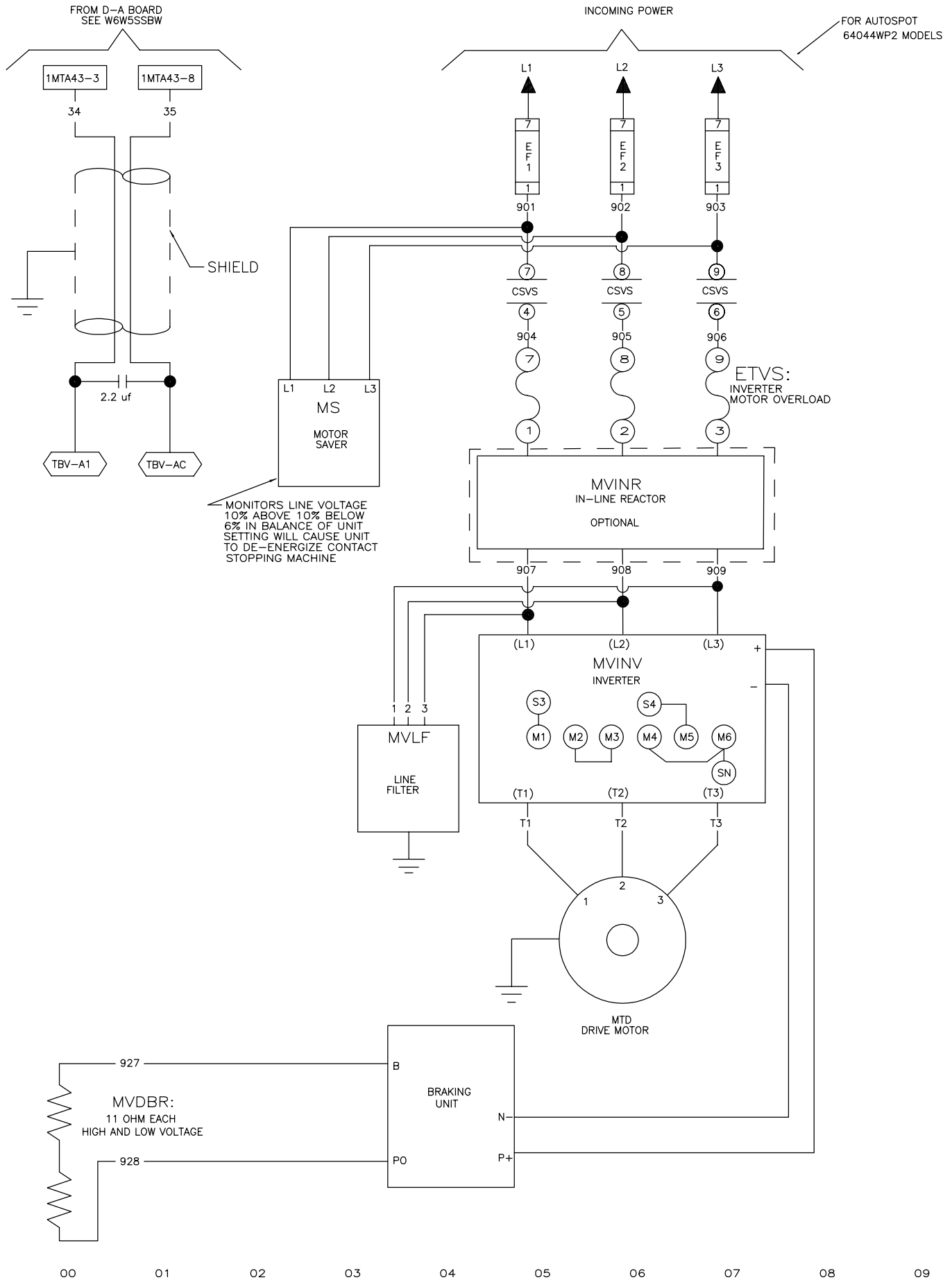
09

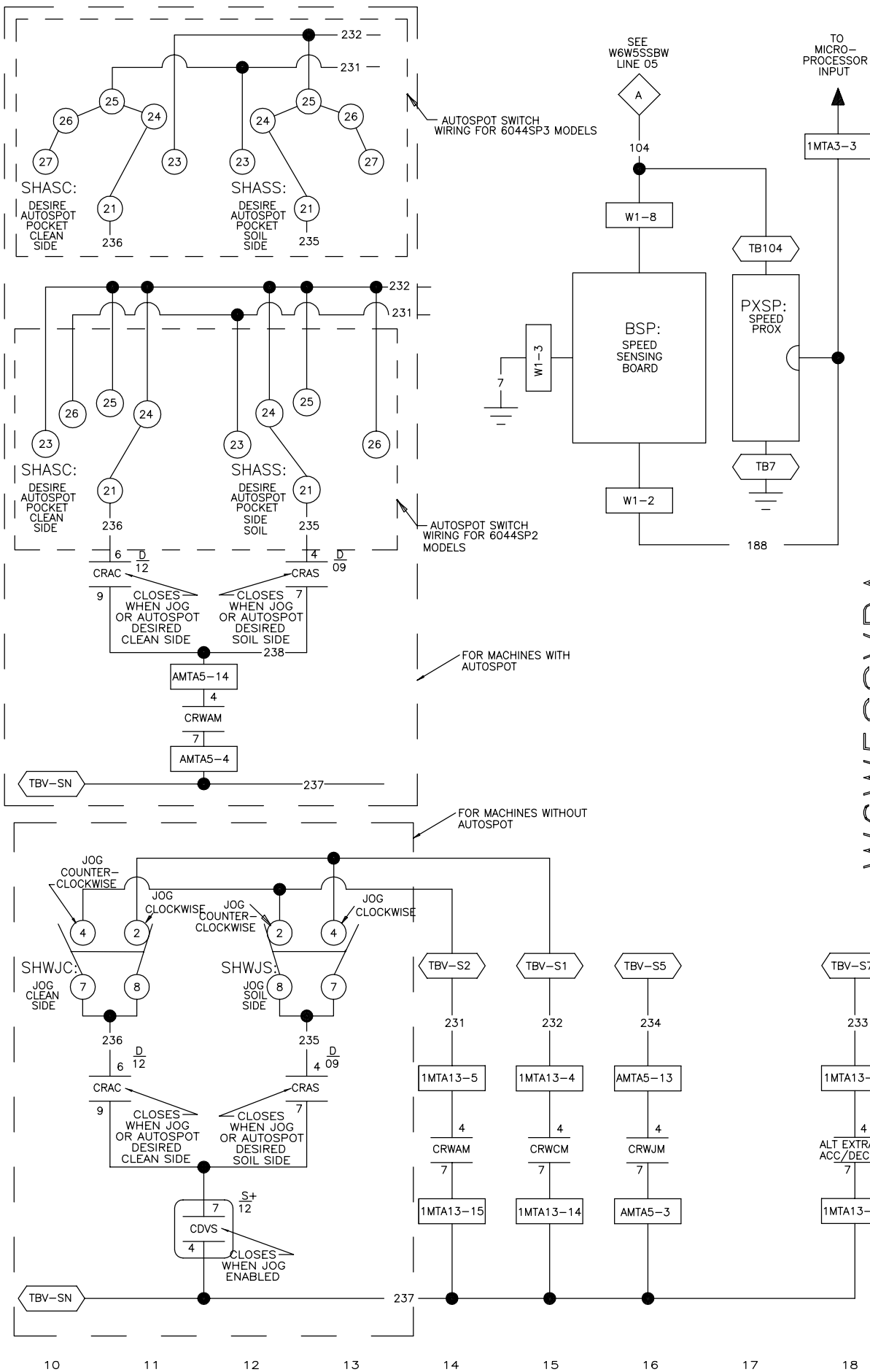
W6W5SSVP MICRO 6 SYSTEMS 4244SP2 SCHEMATIC: INVERTER WIRING

PELLERIN MILNOR CORPORATION



10 11 12 13 14 15 16 17 18 19





W6W5SSVPA MICRO 6 SYSTEMS 6044SP2/6044SP3 SCHEMATIC: INVERTER WIRING

PELLERIN MILNOR CORPORATION

W6W5SSVPA
2009283B

W6W5SSVPA
2009283B