

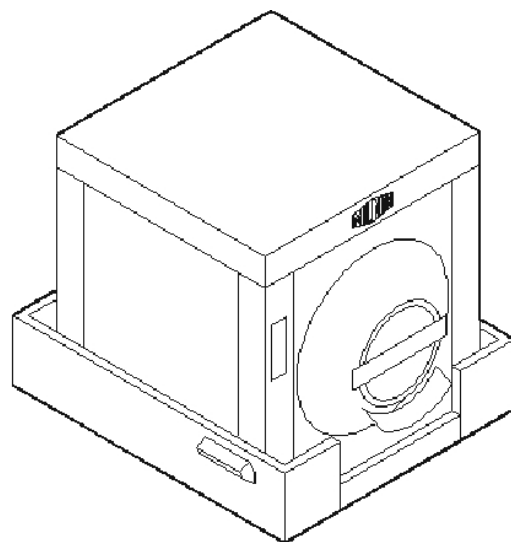
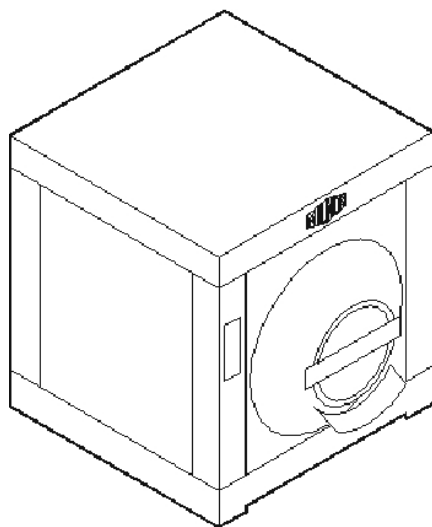


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Schematic/Electrical Parts—

WASHER-EXTRACTOR MARK III CONTROLS 48032Bxx, 48036Qxx and 52038Wxx



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The front cover displays pertinent identifying information for this manual. Most important, are the published manual number (part number) /ECN (date code). Generally, when a replacement manual is furnished, it will have the same published manual number, but the latest available ECN. This provides the user with the latest information applicable to his machine. Similarly all documents comprising the manual will be the latest available as of the date the manual was printed, **even though older ECN dates for those documents may be listed in the table of contents.**

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for ME6HWE1SEE/2004172N

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COMPONENT PARTS LIST

W6W2BSPL/2003252N

<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>
AC	>>ACCELEROMETERS				
ACBA	ACCELEROMETER-BALANCE	W6W2BSEC	30K205B	ACELROMETR 0-2G IC. SEN#3145-002	DOOR LATCH
B016-2	BOARD-16 OUTPUT #2	W6W2BSBW	08BSO16BT	BOARD:SERIAL 16 OUTPUT-TEST	LOW VOLT BOX
BA	>>PRINTED CIRCUIT BOARDS				
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6W2BSBW	08BSADDBT	BOARD:W/E+DYE SERIAL ATO D TEST	LOW VOLT BOX
BBAD-1	BOARD-BALANCE A TO D CONVERTER	W6W2BSEC	08BSBAD1T	BD:SERIAL BALANCING A-D-TEST	LOW VOLT BOX
BBB-1	BOARD-MEMORY BATTERY BACKUP	W6W2BSBW	08BSBB1T	BOARD: SER BATT BACKUP-TEST	PROCESSOR BX
BBFT-1	BOARD-BALANCE FILTER	W6W2BSEC	08BN4BWFT	BD 4STG BUTTERWORTH FLT>TEST	LOW VOLT BOX
BDA-1	BOARD-DIGITAL TO ANALOG CONVERTOR	W6W2BSBW	08BSBADT	BOARD:SERIAL D TO A-TEST	LOW VOLT BOX
BFS-1	BOARD-FLOW SENSOR SIGNAL COND. BD.	W6W2BSFS	08BNDFST	FLOW SENSOR SIG COND>TESTED	LOW VOLT BOX
BIO-1	BOARD-8OUTPUT/16INPUT #1	W6W2BSBW	08BS816BT	BOARD:SERIAL 8OUT-16IN-TEST	LOW VOLT BOX
BLB	BOARD-LEVEL RECEIVER/TRANSDUCER	W6W2BSEC	08BNLRIT	E-LVL +RPM INTERF 0-2.5V.TST	LOW VOLT BOX
BO16-1	BOARD-16 OUTPUT #1	W6W2BSBW	08BSO16BT	BOARD:SERIAL 16 OUTPUT-TEST	LOW VOLT BOX
BPB	BOARD-MICROPROCESSOR	W6W2BSBW	08BSPDT	8088 PROCESSOR -> TESTED	PROCESSOR BX
BPB	BOARD-MICROPROCESSOR	W6W2BSPI	08BSPDT	8088 PROCESSOR -> TESTED	PROCESSOR BX
BTP-1	BOARD-TEMP PROBE INTERFACE-2CHANL	W6W2ESBW	08BNTPT	BD-THERMISTOR 2 CHAN->TESTED	LOW VOLT BOX
CD	>>RELAY-TIME DELAY				
CDBP	DELAY-BY-PASS	W6W2BSMC	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	LOW VOLT BOX
CDVS	DELAY-VARIABLE SPEED FAULT	W6W2BSVPA	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	VARI SPD BOX
CDWA	DELAY-CCW WASH	W6W2BSVPA	09CF001037	TDR F1S 2PDT 11PIN 120V60C	VARI SPD BOX
CDWC	DELAY-CW-WASH	W6W2BSVPA	09CF001037	TDR F1S 2PDT 11PIN 120V60C	VARI SPD BOX
CL	>>RELAY-LATCH				
CLPP	LATCH-ENABLE DOOR PRESSURE	W6W2BSS+	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLPP	LATCH-ENABLE DOOR PRESSURE	W6W2BSS+A	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CR	>>RELAY-PILOT OR CONTROL				
CR001	RELAY-CHEM INTERPERT #1	W6W2BSCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CR002	RELAY-CHEM INTERPERT #2	W6W2BSCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CR003	RELAY-CHEM INTERPERT #3	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CR004	RELAY-CHEM INTERPERT #4	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CR005	RELAY-CHEM INTERPERT #5	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CR006	RELAY-CHEM INTERPERT #6	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CR007	RELAY-CHEM INTERPERT #7	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CR008	RELAY-CHEM INTERPERT #8	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX

COMPONENT PARTS LIST

<u>COMPONENT</u>	<u>FUNCTION OF</u>	<u>WHERE TO FIND</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
<u>NUMBER</u>	<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
CRC09	RELAY-CHEM INTERPERT #9	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRC10	RELAY-CHEM INTERPERT #10	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRC11	RELAY-CHEM INTERPERT #11	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRC12	RELAY-CHEM INTERPERT #12	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRC13	RELAY-CHEM INTERPERT #13	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRC14	RELAY-CHEM INTERPERT #14	W6W2ESCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRC15	RELAY-CHEM INTERPERT #15	W6W2BSCP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRDC	RELAY-DOOR CLOSED	W6W2BSFR	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	INT RELAY BX
CRDO	RELAY-DOOR FULLY OPEN	W6W2BARF	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRDO	RELAY-DOOR FULLY OPEN	W6W2BSFR	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CREXA	RELAY-AMPSAVER AMPS O.K.	W6W2BSEA	09C01DDDD24	RELAY 3PDT DIFGOLD 11PIN 24V	LOW VOLT BOX
CRFU	RELAY-TILT FULLY UP	W6W2BSFR	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRHTF	RELAY-FRONT TILT	W6W2BARG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRMAM	RELAY-MANUAL	W6W2BARF	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRMAN	RELAY-MANUAL	W6W2BARF	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRMAQ	RELAY-MANUAL	W6W2BARF	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRPLL	RELAY-DOOR CLOSED	W6W2BAS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRPP	RELAY-ENABLE PORTAL PRESSURE	W6W2BAS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRRU	RELAY-REAR FULL UP	W6W2BSFR	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRS+	RELAY-START 3-WIRE	W6W2BAS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRS+	RELAY-START 3-WIRE	W6W2BSS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRS+	RELAY-START 3-WIRE	W6W2BSS+A	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRS+A	RELAY-START 3-WIRE	W6W2BAS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	HIGH VOLT BX
CRS+A	RELAY-START 3-WIRE	W6W2BSS+	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRS+A	RELAY-START 3-WIRE	W6W2BSS+A	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRS+B	RELAY-START 3-WIRE	W6W2ESEA	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRSP	RELAY-SPEED IS SLOW	W6W2BASP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRSP	RELAY-SPEED IS SLOW	W6W2BSSP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRSPA	RELAY-SPEED IS SLOW	W6W2BASP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRSPA	RELAY-SPEED IS SLOW	W6W2BASP	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWAA	RELAY-WASH CW	W6W2BSVPA	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	VARI SPD BOX
CRWAC	RELAY-WASH CCW	W6W2BSVPA	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	VARI SPD BOX
CRWDO	RELAY-DOOR OPEN	W6W2BARG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX

COMPONENT PARTS LIST

<u>COMPONENT</u>	<u>FUNCTION OF</u>	<u>WHERE TO FIND</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
<u>NUMBER</u>	<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
CRWFD	RELAY-FRONT IS DOWN	W6W2BARG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWFD	RELAY-FRONT IS DOWN	W6W2BSRG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWFE	RELAY-FRONT IS DOWN	W6W2BARG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWFE	RELAY-FRONT IS DOWN	W6W2BSRG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWRD	RELAY-REAR IS DOWN	W6W2BARG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWRD	RELAY-REAR IS DOWN	W6W2BSRG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWRE	RELAY-REAR IS DOWN	W6W2BARG	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CRWRE	RELAY-REAR IS DOWN	W6W2BSFR	09C01DDDD37	RELAY 3PDT DIFGOLD 11PIN 120VAC	LOW VOLT BOX
CS	>>CONTACTOR-MOTOR STARTER				
CSDR	CONTACTOR-DRAIN MOTOR	W6W2BSMC	MESSAGE EW	SEE CSDR-1 OR -2 FOR PART NUMBER	HIGH VOLT BX
CSDR-1	CONTACTOR-DRAIN MOTOR 42"48"&52"DIA	W6W2BSMC	09MC04C337	18A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSDR-2	CONTACTOR-DRAIN MOTOR 64" & 72" DIA	W6W2BSMC	09MC04E337	32A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE1	CONTACTOR-LO EXTRACT	W6W2BSMC	MESSAGE EW	SEE CSE1-1 OR -2 FOR PART NUMBER	HIGH VOLT BX
CSE1-1	CONTACTOR-LO EXTRACT 42"&48" DIA	W6W2BSMC	09MC04C337	18A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE1-2	CONTACTOR-LO EXTRACT 52"64"&72"DIA	W6W2BSMC	09MC04E337	32A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE2	CONTACTOR-HI EXTRACT	W6W2BSMC	MESSAGE EW	SEE CSE2-1-2-3OR-4 FOR PART NUMBER	HIGH VOLT BX
CSE2-1	CONTACTOR-HI EXTRACT 42" DIA	W6W2BSMC	09MC04D337	25A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE2-2	CONTACTOR-HI EXTRACT 48"DIA	W6W2BSMC	09MC04G337	37A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE2-3	CONTACTOR-HI EXTRACT 52" DIA	W6W2BSMC	09MC04L337	60A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSE2-4	CONTACTOR-HI EXTRACT 64"&72"DIA	W6W2BSMC	09MC04N337	73A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSHYP	CONTACTOR-HYDRAULIC PUMP	W6W2BSRG	09MC04E337	32A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSVS	CONTACTOR-VARIABLE SPEED	W6W2BSVPA	MESSAGE EW	SEE CSVS-1-2-3OR-4 FOR PART NUMBER	HIGH VOLT BX
CSVS-1	CONTACTOR-VARI SPD 42" DIA	W6W2BSVPA	09MC04C337	18A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSVS-2	CONTACTOR-VARI SPD 48"DIA	W6W2BSVPA	09MC04D337	25A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSVS-3	CONTACTOR-VARI SPD 52" DIA	W6W2BSVPA	09MC04G337	37A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSVS-4	CONTACTOR-VARI SPD 64"&72"DIA	W6W2BSVPA	09MC04J337	44A 3P CONT.NR 120V5/6 IEC	HIGH VOLT BX
CSW2	CONTACTOR-REVERSING 2 SPD WASH	W6W2BSMC	MESSAGE EW	SEE CSWA-1-2-3OR-4 FOR PART NUMBER	HIGH VOLT BX
CSW2-1	CONTACTOR-2SPD WASH MOTOR 42" DIA	W6W2BSMC	09MR04C337	18A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSW2-2	CONTACTOR-2SPD WASH MOTOR 48"DIA	W6W2BSMC	09MR04D337	24A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSW2-3	CONTACTOR-2SPD WASH MOTOR 52" DIA	W6W2BSMC	09MR04G337	38A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSW2-4	CONTACTOR-2SPD WASH MOTOR 64"&72"DIA	W6W2BSMC	09MR04J337	45A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSWA	CONTACTOR-REVERSING WASH	W6W2BSMC	MESSAGE EW	SEE CSWA-1-2-3OR-4 FOR PART NUMBER	HIGH VOLT BX
CSWA-1	CONTACTOR-WASH MOTOR 42" DIA	W6W2BSMC	09MR04C337	18A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX

COMPONENT PARTS LIST

W6W2BSPL/2003252N

<u>COMPONENT</u>	<u>FUNCTION OF</u>	<u>WHERE TO FIND</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
<u>NUMBER</u>	<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
CSWA-2	CONTACTOR-WASH MOTOR 48"DIA	W6W2BSMC	09MR04D337	24A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSWA-3	CONTACTOR-WASH MOTOR 52" DIA	W6W2BSMC	09MR04G337	38A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSWA-4	CONTACTOR-WASH MOTOR 64"&72"DIA	W6W2BSMC	09MR04J337	45A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
EB	>>BUZZER OR AUDIBLE SIGNAL				
EBSG	BUZZER-SIGNAL AUDIBLE	W6W2BAS+	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6W2BSS+	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6W2BSS+A	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
ED	>>DISPLAY-ELECTRONIC				
EDM	DISPLAY-MICROPROCESSOR	W6W2BSD	08BSEVFD1T	BD VFD DISPLAY BUF->TESTED	SWITCH PANEL
EDP	>>PRINTER-ELECTRONIC				
EDPM	PRINTER-MICROPROCESSOR	W6W2BSPI	08MPSEREPN	PRINTER - EPSON LX300	REMOTE MOUNT
EF	>>FUSE OR FUSE HOLDER				
EF37	FUSE-120VAC CONTROL CIRCUIT	W6W2BSPS	09FF006AMA	FUSE BK/ABC 6 AMP 250V BUSS	HIGH VOLT BX
EFP1	FUSE-PRIMARY INCOMING VOLTAGE	W6W2BSPS	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EFP2	FUSE-PRIMARY INCOMING VOLTAGE	W6W2BSPS	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EL	>>LIGHT-PILOT OR INDICATOR				
ELEB1	LIGHT-EXTRACT BALANCE RIB #1	W6W2BSEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEB2	LIGHT-EXTRACT BALANCE RIB #2	W6W2BSEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEB3	LIGHT-EXTRACT BALANCE RIB #3	W6W2BSEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEBK	LIGHT-BALANCE EXCURSION	W6W2BSI1	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W2BAS+	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W2BSS+	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W2BSS+A	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELSG	LIGHT-SIGNAL VISUAL	W6W2BAS+	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6W2BSS+	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6W2BSS+A	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
EM	>>ELECTROMAGNET AND SOLENOID				
EMCF	FAN-INVERTER COOLING	W6W2BSVPA	13AF100A37	FAN 92CFM115V60 NEWARK #90F6921	VARI SPD BOX
ES	>>POWER SUPPLY-ELECTRONIC				
ESPS	POWER SUPPLY-120V TO +12,-12,+5V	W6W2BSBW	08PSS3401T	30 WATT POWER SUPPLY TESTED	LOW VOLT BOX
ET	>>THERMAL OVERLOAD DEVICES				
ETDB	OVERLOAD-DYNAMIC BRAKE	W6W2BSVPA	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	VARI SPD BOX
ETDR	OVERLOAD-DRAIN MOTOR	W6W2BSMT	09FTC0120T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX

COMPONENT PARTS LIST

W6W2BSPL/2003252N

<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>
ETE1	OVERLOAD-LOW EXTRACT MOTOR	W6W2BSMT	09FTC0120T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX
ETE2	OVERLOAD-HIGH EXTRACT MOTOR	W6W2BSMT	09FTC0230T	OL RELAY 23-75A AB #193-A3K3	HIGH VOLT BX
ETHYP	OVERLOAD-HYDRAULIC PUMP MOTOR	W6W2BSMT	09FTC0121T	OL RELAY 12-32A AB #193-A3H1	HIGH VOLT BX
ETWA	OVERLOAD-WASH MOTOR	W6W2BSMT	09FTC0230T	OL RELAY 23-75A AB #193-A3K3	HIGH VOLT BX
ETWA	OVERLOAD-WASH MOTOR	W6W2BSVPA	09FTC0230T	OL RELAY 23-75A AB #193-A3K3	VARI SPD BOX
EX	>>TRANSFORMERS				
EX37	TRANSFORMER-INCOMING VOLT.120VAC	W6W2BSPS	MESSAGE EW	SEE EX37-1, -2, OR -3 FOR VOLTAGE	HIGH VOLT BX
EX37-1	TRANSFORMER-208/240>120VAC	W6W2BSPS	09U249AA37	XFMR 200-240V PRI/120VSEC/250VA	HIGH VOLT BX
EX37-2	TRANSFORMER-380/480>120VAC	W6W2BSPS	09U200AAB	XFMR 380-480V/240-120V-250VA	HIGH VOLT BX
EX37-3	TRANSFORMER-600->120VAC	W6W2BSPS	09U251AB37	XFMR 600VPRI/120VSC-250VA-3%REG	HIGH VOLT BX
KB	>>KEYBOARD-ELECTRONIC				
KBM	KEYPAD-MICROPROCESSOR	W6W2BSKP	08ND5X6WE	KEYPAD:5X6MATRIX WASHER-EXT	SWITCH PANEL
MR	>>MOTORS				
MTDR	MOTOR-DRAIN	W6W2BSMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTE1	MOTOR-LOW SPEED EXTRACT	W6W2BSMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTE2	MOTOR-HIGH SPEED EXTRACT	W6W2BSMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTHYD	MOTOR-HYDRAULIC PUMP	W6W2BSMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE BASE
MTWA	MOTOR-WASH	W6W2BSMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MV	>>MOTOR POWER INVERTERS				
MVDBR	RESISTOR-DYNAMIC BRAKE	W6W2BSVPA	09MV100RES	RESIST 100 OHM 225WATT ADJ	VARI SPD BOX
MVWA	INVERTER-WASH MOTOR	W6W2BSVPA	MESSAGE EW	SEE MVWAH OR MVWAL FOR VOLTAGE	VARI SPD BOX
MVWAH	INVERTER-WASH MOTOR 380-460V	W6W2BSVPA	09MV027A96	VARSPPEED 27 AMPS 460V	VARI SPD BOX
MVWAL	INVERTER-WASH MOTOR 200-230V	W6W2BSVPA	09MV054A74	VARSPPEED 54 AMPS 230V	VARI SPD BOX
PX	>>PROXIMITY SWITCH				
PXBA	PROX SW-BALANCE	W6W2BSEC	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	REAR OF MACH
SH	>>SWITCH-HAND OPERATED				
SHAM	SWITCH-AUTO MANUAL	W6W2BARF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	MTD.ON MACH
SHD	SWITCH-ALTERNATE DRAIN	W6W2BSDR	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	ALT DRAIN BX
SHDO	SWITCH-DOOR OPEN	W6W2BAS+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W2BASP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W2BSS+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W2BSSP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W2BSS+A	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL

COMPONENT PARTS LIST

W6W2BSPL/2003252N

<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>			
SHDOH	SWTCH-DOOR OPEN	W6W2BSS+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	TILT SWPANEL
SHDOH	SWTCH-DOOR OPEN	W6W2BSSP	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	TILT SWPANEL
SHDOH	SWTCH-DOOR OPEN	W6W2BSS+A	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	TILT SWPANEL
SHMD	SWTCH-LOCAL/REMOTE (MILDATA)	W6W2BSI1	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	PROCESSOR BX
SHRM	SWTCH-TILT UP/DOWN	W6W2BSRG	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	TILT SWPANEL
SHRS	SWTCH-TILT SELECT-FRONT/REAR	W6W2BSRG	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	TILT SWPANEL
SHS+	SWTCH-START 3-WIRE	W6W2BAS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWTCH-START 3-WIRE	W6W2BSS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWTCH-START 3-WIRE	W6W2BSS+A	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+H	SWTCH-TILT START 3-WIRE	W6W2BSRG	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	TILT SWPANEL
SHS+H	SWTCH-TILT START 3-WIRE	W6W2BSS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	TILT SWPANEL
SHS+H	SWTCH-TILT START 3-WIRE	W6W2BSS+A	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	TILT SWPANEL
SHSG	SWTCH-SIGNAL CANCEL	W6W2BSI1	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSMA	SWTCH-MASTER	W6W2BASP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSMA	SWTCH-MASTER	W6W2BSSP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSO	SWTCH-STOP	W6W2BAS+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSO	SWTCH-STOP	W6W2BSS+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSO	SWTCH-STOP	W6W2BSS+A	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSOE	SWTCH-EMERGENCY STOP	W6W2BAS+	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWTCH-EMERGENCY STOP	W6W2BSS+	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWTCH-EMERGENCY STOP	W6W2BSS+A	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHWCF	SWTCH-CHEM #1 FLUSH	W6W2BSCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY INJEC
SHWDO	SWTCH-HYD DOOR OPEN	W6W2BASP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWTCH-HYD DOOR OPEN	W6W2BSRG	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWTCH-HYD DOOR OPEN	W6W2BSSP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWTCH-JOG CW/CCW	W6W2BAS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SK	>>SWTCH-KEYLOCK				
SKPR	SWTCH-RUN/PROGRAM (KEY OP)	W6W2BSI1	09N127C	KEYSW SPST 7A120VAC SCREW TERM	SWITCH PANEL
SM	>>SWTCH-MECHANICAL OPERATED				
SMDO	SWTCH-DOOR IS FULL OPEN	W6W2BARF	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMDO	SWTCH-DOOR IS FULL OPEN	W6W2BSRG	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMERB	SWTCH-EXCURSION	W6W2BSI1	09R008A	MICSW SPDT PAINTED BZE6-RN 01	MACH HOUSE
SMFDL	SWTCH-FRONT DOWN LEFT	W6W2BARG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE

COMPONENT PARTS LIST

W6W2BSPL/2003252N

COMPONENT	FUNCTION OF	WHERE TO FIND	MILNOR P/N	DESCRIPTION	LOCATION
NUMBER	THIS COMPONENT	THIS COMPONENT			
SMFDL	SWTCH-FRONT DOWN LEFT	W6W2BSRG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE
SMFDR	SWTCH-FRONT DOWN RIGHT	W6W2BARG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE
SMFDR	SWTCH-FRONT DOWN RIGHT	W6W2BSRG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE
SMFU	SWTCH-FRONT IS FULL UP	W6W2BSRG	09R012	MICSW SPDT PAINTED BZE6-RN 01	MACH REAR
SMPLL	SWTCH-DOOR LATCHED	W6W2BAS+	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMPLL	SWTCH-DOOR LATCHED	W6W2BSS+	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMPLL	SWTCH-DOOR LATCHED	W6W2BSS+A	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMRDL	SWTCH-REAR DOWN LEFT	W6W2BARG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE
SMRDL	SWTCH-REAR DOWN LEFT	W6W2BSRG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE
SMRDR	SWTCH-REAR DOWN RIGHT	W6W2BARG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE
SMRDR	SWTCH-REAR DOWN RIGHT	W6W2BSRG	09RM01303S	CAPSW 3FT 90DEG ROLLER SILVER	TILT BASE
SMRU	SWTCH-MACHINE REAR IS FULL UP	W6W2BSRG	09R012	MICSW SPDT PAINTED BZE6-RN 01	MACH REAR
SMSP	SWTCH-SPEED	W6W2BASP	SAE03-012B	SLIPRING+CENT SW.ASSY(LORES)	DRIVE ASSEMY
SMSP	SWTCH-SPEED	W6W2BSSP	SAE03-012B	SLIPRING+CENT SW.ASSY(LORES)	DRIVE ASSEMY
SMWVB	SWTCH-MACHINE VIBRATION	W6W2BAS+	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWTCH-MACHINE VIBRATION	W6W2BSS+	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWTCH-MACHINE VIBRATION	W6W2BSS+A	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SP	>>SWITCH-PRESSURE OPERATED				
SPBR	PRESSURE SW-BRAKE	W6W2BSI1	09N082A	PRESSW NASON CLOSE @ 62 LB.	AIR VALVE BX
SPLDP	PRESSURE SW-LEVEL BELOW DOOR	W6W2BASP	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPLDP	PRESSURE SW-LEVEL BELOW DOOR	W6W2BSSP	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPWDP	SWTCH-DOOR PRESSURE	W6W2BASP	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BX
SPWDP	SWTCH-DOOR PRESSURE	W6W2BSSP	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BX
VE	>>VALVE-ELECTRIC OPERATED				
VEAD	VALVE-ALTERNATE DRAIN	W6W2BSDR	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	ALT DRAIN BX
VEBP	VALVE-BY PASS	W6W2BSMC	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEC01	VALVE-CHEMICAL #1 FLUSH	W6W2BSCF	96TCC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC02	VALVE-CHEMICAL #2 FLUSH	W6W2BSCF	96TCC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC03	VALVE-CHEMICAL #3 FLUSH	W6W2BSCF	96TCC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC04	VALVE-CHEMICAL #4 FLUSH	W6W2BSCF	96TCC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC05	VALVE-CHEMICAL #5 FLUSH	W6W2BSCF	96TCC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC06	VALVE-CHEMICAL #6	W6W2BSCF	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC07	VALVE-CHEMICAL #7	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST

COMPONENT PARTS LIST

COMPONENT	FUNCTION OF	WHERE TO FIND	MILNOR P/N	DESCRIPTION	LOCATION
NUMBER	THIS COMPONENT	THIS COMPONENT			
VEC08	VALVE-CHEMICAL #8	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC09	VALVE-CHEMICAL #9	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC10	VALVE-CHEMICAL #10	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC11	VALVE-CHEMICAL #11	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC12	VALVE-CHEMICAL #12	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC13	VALVE-CHEMICAL #13	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC14	VALVE-CHEMICAL #14	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC15	VALVE-CHEMICAL #15	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VECFM	VALVE-FLUSH MANIFOLD	W6W2BSCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEDRR	VALVE-DRAIN TO REUSE	W6W2BSEV	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEDRR	VALVE-DRAIN TO REUSE	W6W2BSEVA	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEDRS	VALVE-DRAIN TO SEWER	W6W2BSEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEDRS	VALVE-DRAIN TO SEWER	W6W2BSEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEEB1	VALVE-BALANCE FILL RIB #1	W6W2BSEB	96P053A37	3/4" VAL 110V HAYS #2110-6021IS	BASKET REAR
VEEB2	VALVE-BALANCE FILL RIB #2	W6W2BSEB	96P053A37	3/4" VAL 110V HAYS #2110-6021IS	BASKET REAR
VEEB3	VALVE-BALANCE FILL RIB #3	W6W2BSEB	96P053A37	3/4" VAL 110V HAYS #2110-6021IS	BASKET REAR
VEHDC	VALVE-HYD DOOR CLOSED	W6W2BASP	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDC	VALVE-HYD DOOR CLOSED	W6W2BSSP	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDL	VALVE-TILT DOOR LATCH	W6W2BASP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEHDL	VALVE-TILT DOOR LATCH	W6W2BSSP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEHDO	VALVE-HYD DOOR OPEN	W6W2BASP	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDO	VALVE-HYD DOOR OPEN	W6W2BSSP	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHT-1	VALVE-HYD TILT FOR 42"&48" DIA	W6W2BSRG	96RH706E37	VLVPARKER 110V50/115V60 7GPM	HYDRAULIC PL
VEHT-2	VALVE-HYD TILT FOR 52" & 72" DIA	W6W2BSRG	96RH705E37	VALVE-HYD.4-WAY DIRECTIONAL	HYDRAULIC PL
VEHTD	VALVE-TILT DOWN	W6W2BARG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VEHTD	VALVE-TILT DOWN	W6W2BSRG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VEHTF	VALVE-TILT FRONT	W6W2BARG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VEHTF	VALVE-TILT FRONT	W6W2BSRG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VEHTR	VALVE-TILT REAR	W6W2BARG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VEHTR	VALVE-TILT REAR	W6W2BSRG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VEHTU	VALVE-TILT UP	W6W2BARG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VEHTU	VALVE-TILT UP	W6W2BSRG	MESSAGE EW	SEE VEHT-1 OR -2 FOR PART NUMBER	HYDRAULIC PL
VELSB	VALVE-SEAL BLOWER	W6W2BAS+	96TBC2BA37	1/4" N/C 2WAY 120V50/60C VALVE	LOW VOLT BOX

COMPONENT PARTS LIST

COMPONENT	FUNCTION OF	WHERE TO FIND	MILNOR P/N	DESCRIPTION	LOCATION
NUMBER	THIS COMPONENT	THIS COMPONENT			
VLSB	VALVE-SEAL BLOWER	W6W2BSS+	96TBC2BA37	1/4" N/C 2WAY 120V50/60C VALVE	LOW VOLT BOX
VLSB	VALVE-SEAL BLOWER	W6W2BSS+A	96TBC2BA37	1/4" N/C 2WAY 120V50/60C VALVE	LOW VOLT BOX
VEPL	VALVE-DOOR LATCH	W6W2BASP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPL	VALVE-DOOR LATCH	W6W2BSSP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6W2BASP	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6W2BSSP	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VERSR	VALVE-SAFETY RESET	W6W2BARG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VERSR	VALVE-SAFETY RESET	W6W2BSRG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VESC	VALVE:SPRAY	W6W2BSCF	96TBC2AA37	1/4" N/C 2WAY 120V50/60C	SUPPLY INJEC
VESTM	VALVE-STEAM PILOT	W6W2BSEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VESTM	VALVE-STEAM PILOT	W6W2BSEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETPB	VALVE-PUSH BACK	W6W2BARG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETPB	VALVE-PUSH BACK	W6W2BSRG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETPD	VALVE-PUSH DOWN SAFETY	W6W2BARG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETPD	VALVE-PUSH DOWN SAFETY	W6W2BSRG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETPF	VALVE-PUSH FORWARD	W6W2BARG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VETPF	VALVE-PUSH FORWARD	W6W2BSRG	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWBR	VALVE-BRAKE	W6W2BSEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWBR	VALVE-BRAKE	W6W2BSEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWCL	VALVE-AIR CLUTCH	W6W2BASP	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCL	VALVE-AIR CLUTCH	W6W2BSSP	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCLA	VALVE-AIR CLUTCH VENT	W6W2BASP	96TBO3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCLA	VALVE-AIR CLUTCH VENT	W6W2BSSP	96TBO3BA37	1/4" N/O 3WAY 120V50/60C	AIR VALVE BX
VEWPD	VALVE-PUSH DOWN	W6W2BASP	96TCC3AA37	1/4" N/O 3WAY 120V50/60C	AIR VALVE BX
VEWPD	VALVE-PUSH DOWN	W6W2BSSP	96TCC3AA37	3/8" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWVC	VALVE-COLD WATER	W6W2BSEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVC	VALVE-COLD WATER	W6W2BSEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVH	VALVE-HOT WATER	W6W2BSEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVH	VALVE-HOT WATER	W6W2BSEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVX	VALVE-EXTRA WATER	W6W2BSEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVX	VALVE-EXTRA WATER	W6W2BSEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
WF	>>METER-WATER				
WFM	METER-WATER FLOW	W6W2BSFS	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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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.

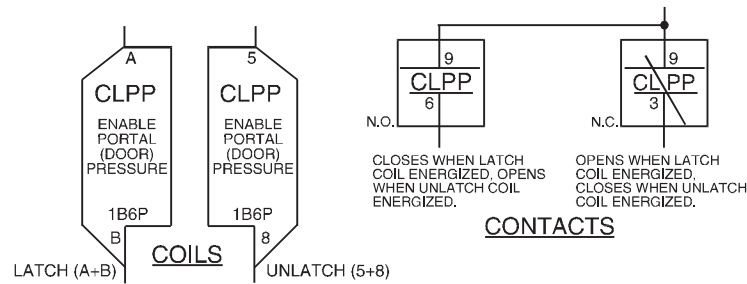
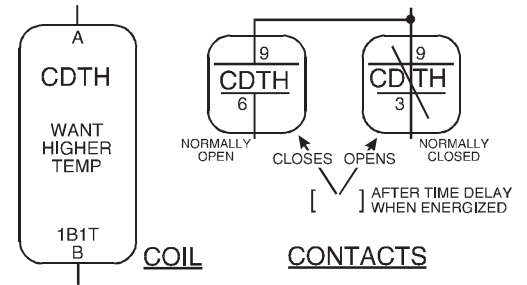
The following are descriptions of the electrical components used in Milnor[®] machines. Descriptions are in alphabetical order of the component class code (two character prefix).

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).

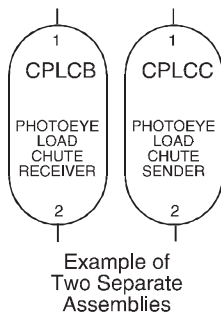
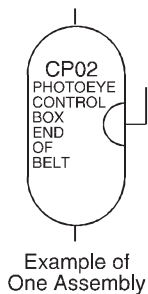
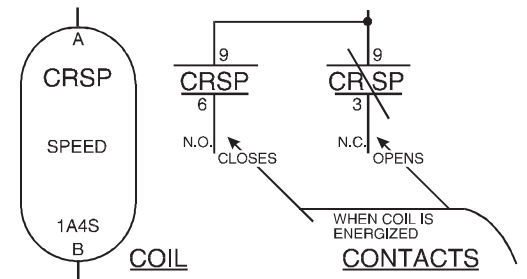


CD=Control, Time Delay Relay A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.



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*).

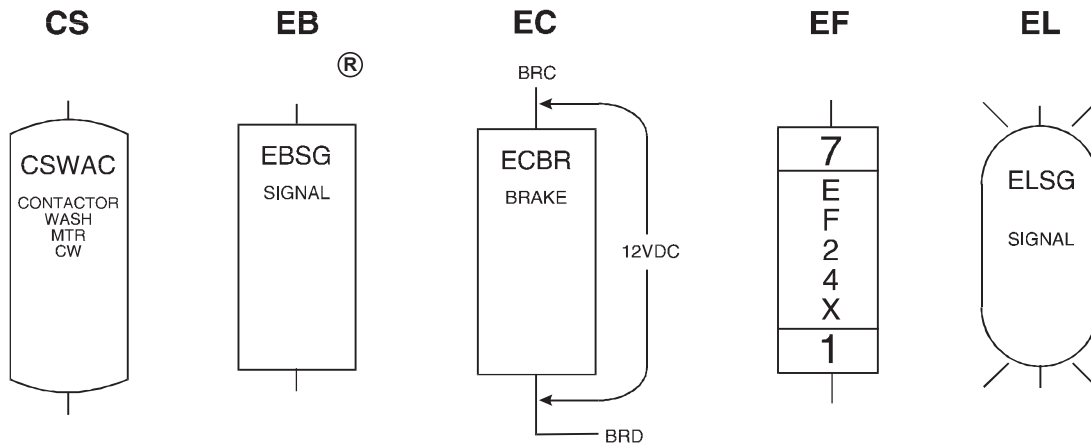
CR=Control, Relay A relay whose contacts switch immediately when voltage is applied to its coil and revert to normal when the voltage is removed.



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.

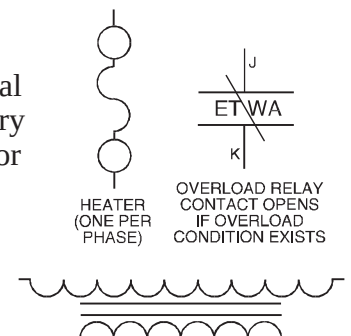
EL=Electric Light Indicator lights may be either incandescent or fluorescent.

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.

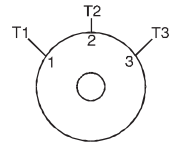
EX=Electrical Transformer A device that transfers electrical energy from one isolated circuit to another, often raising or lowering the voltage in the process.



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.

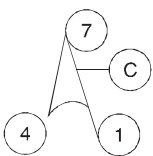
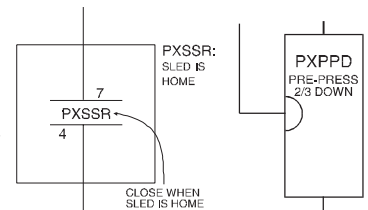


MV=Motor (Variable Speed) Inverter To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained.

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.

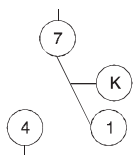
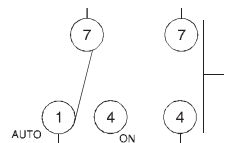
NOTE: Switch symbols used in the schematics and described below always depict the switch in its unactuated state.

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.



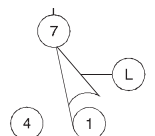
SC=Switch, Cam Operated A switch in which the electrical contacts are opened and/or closed by the mechanical action of a cam(s). Applications include 35-50 pound timer operated machines, autospot, timer reversing motor assembly, and some balancing systems.

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

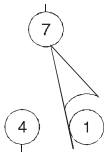


SK=Switch, Key Lock A switch that requires a key to operate. This prevents unauthorized personnel from gaining access to certain functions (e.g., the *Program Menu*).

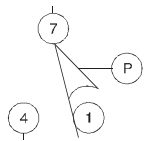
SL=Switch, Level Operated A switch connected to a float that causes the switch to open and close as the level changes.



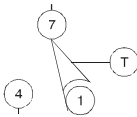
SM=Switch, Mechanically Operated A switch that is mechanically operated by a part of or the motion of the machine (e.g., door closed switch, tilt limit switches, etc.)



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



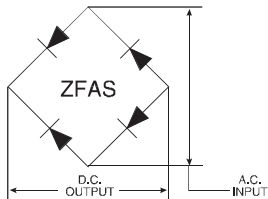
ST=Switch, Temperature Operated A switch that is actuated at a preset temperature (e.g., dryer safety probes) or has adjustable set points (e.g., Motometers or Combistats).



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.

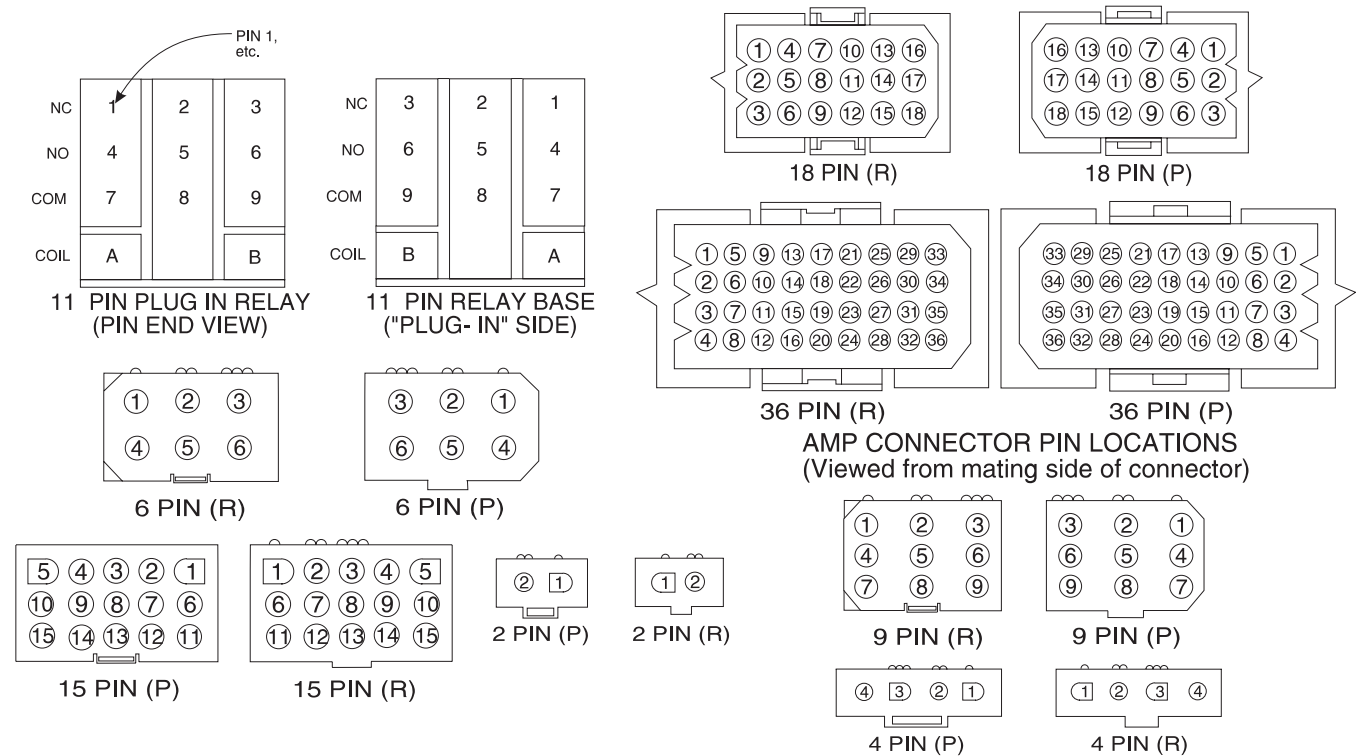


ZF=Rectifier A solid state device that converts alternating current to direct current.

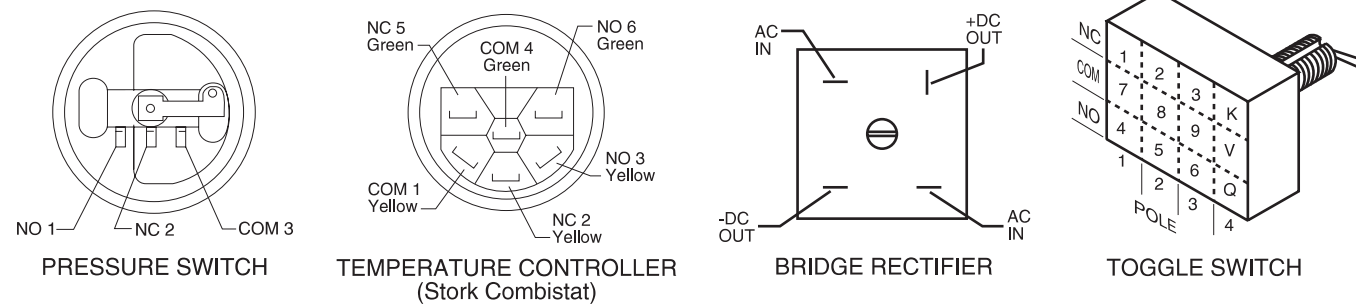
WC=Wiring Connector A coupling device for joining two cables or connecting a cable to an electronic circuit or piece of equipment. Connectors are male or female, according to whether they plug into or receive the mating connector.

Component Terminal Numbering

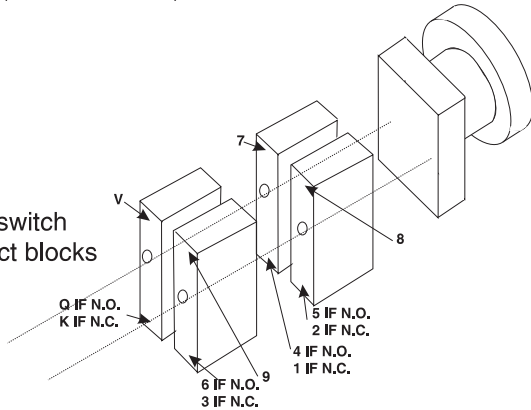
NOTE: Numbers shown usually appear on the component.



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

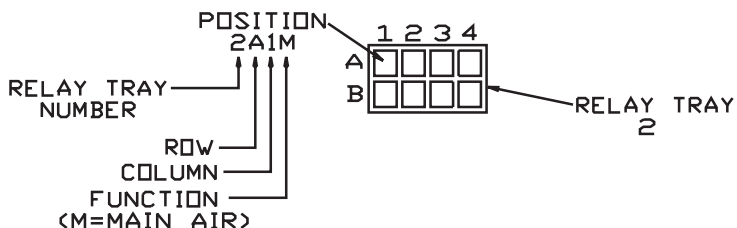
NORMALLY OPEN CONTACTS
7-4 CONTACT → S+11
8-5 CONTACT → S+11
9-6 CONTACT → S+11

INDICATES CONTACT IS NOT USED

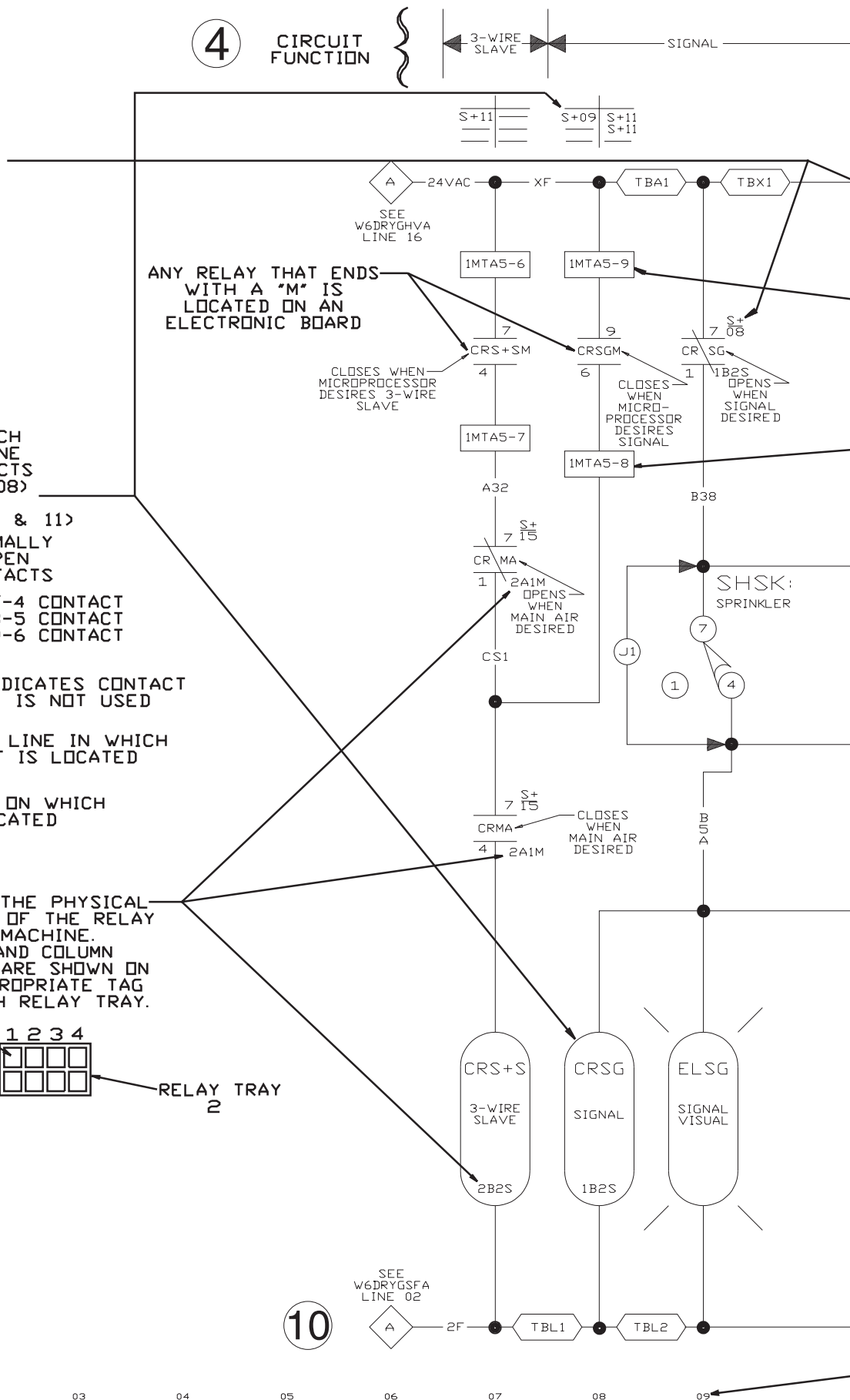
INDICATES LINE IN WHICH CONTACT IS LOCATED

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.

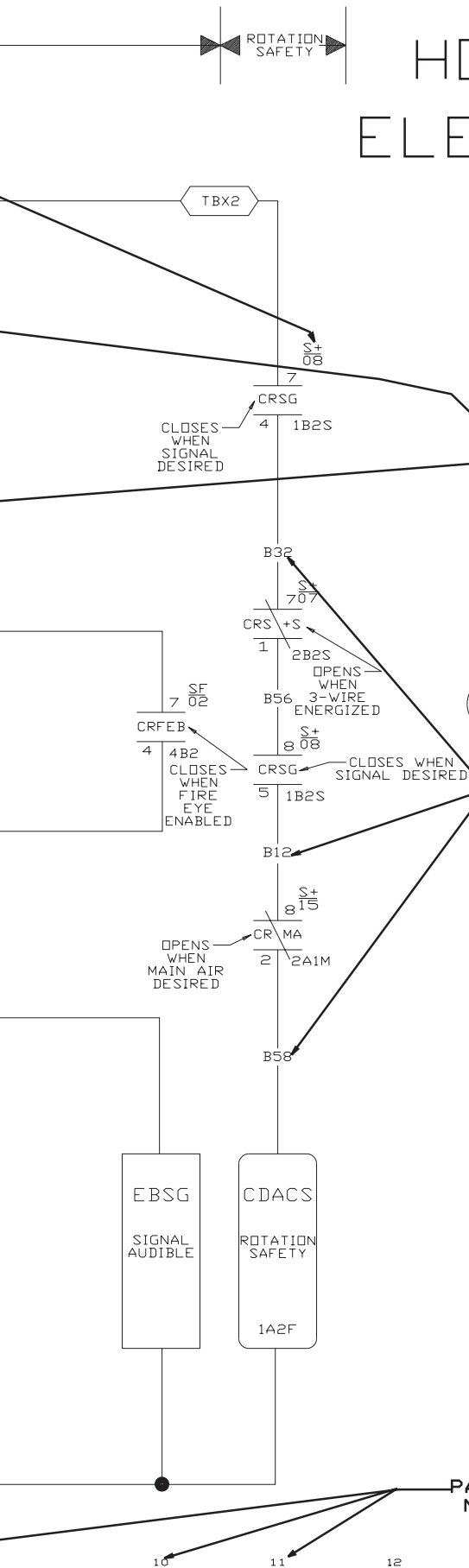


10



HOW TO READ MILNOR ELECTRICAL SCHEMATICS

W6DRYGS+A
93226D



8

MASS TERMINATION ASSEMBLY
MTA DESIGNATION ON BOARD
1MTA5-9
PIN NUMBER
BOARD MTA GROUP DESIGNATION

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

9

WIRE IDENTIFICATION MARKING. THIS DESIGNATION IS STAMPED ON THE WIRE EVERY 6." THIS MARKING IS USED IN CONJUNCTION WITH THE SIGNAL ROUTING TABLE.

1

MAJOR REVISION (LETTER)

PAGE NUMBER (S+)

TYPE OF MACHINE (GAS FIRED DRYER)

6TH GENERATION OF CONTROLS

W=WIRING

CLASS OF CONTROL SYSTEM

TITLE OF THIS CIRCUIT

VOLTAGE OF CIRCUIT SHOWN

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.

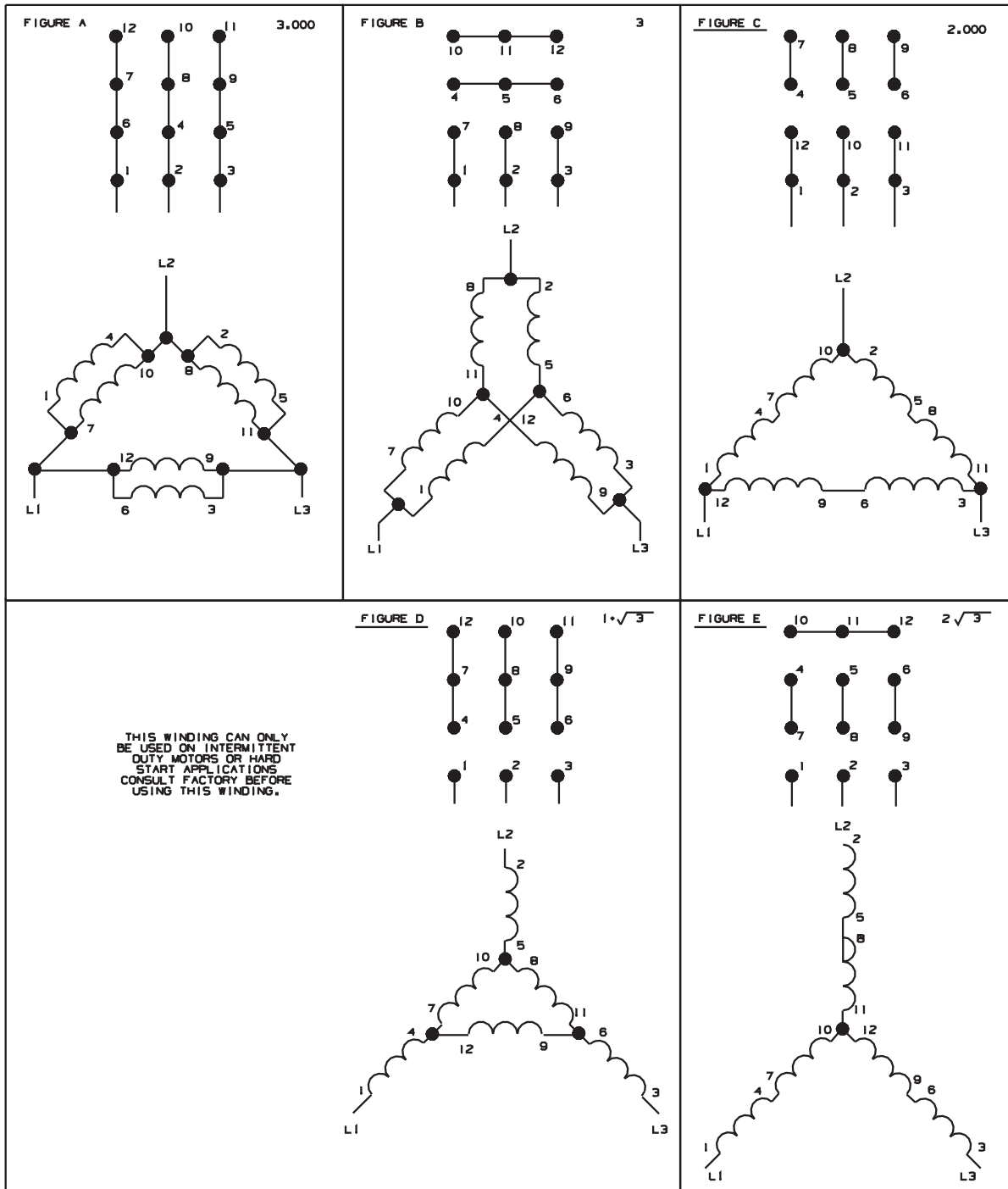
MICRO 6 SYSTEMS
SCHEMATIC: 3-WIRE CIRCUIT
24V1P50HZ/24V1P60HZ
PELLERIN MILNOR CORPORATION

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

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16

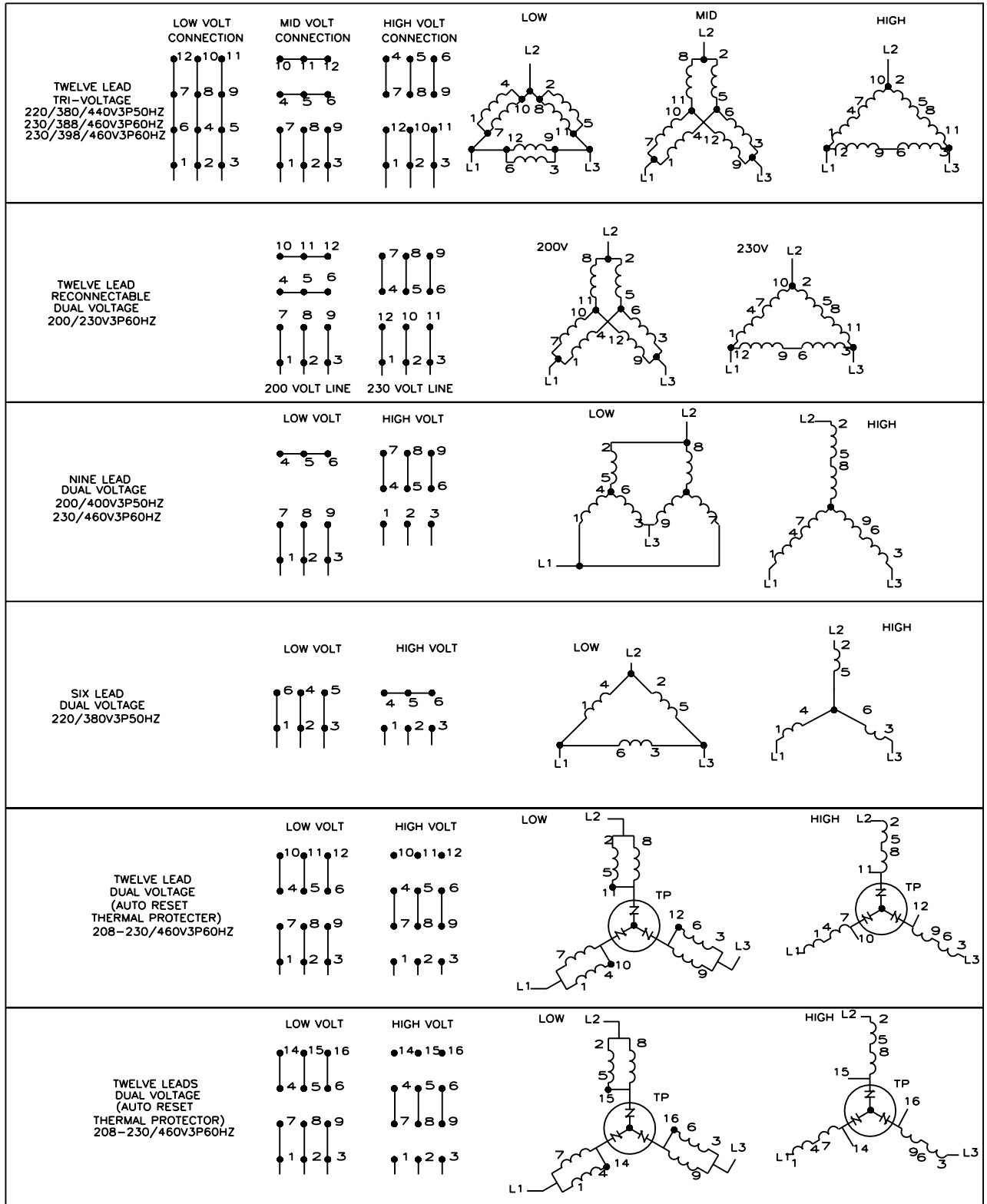
17

BMP850029

MOTOR CONNECTION DIAGRAMS

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

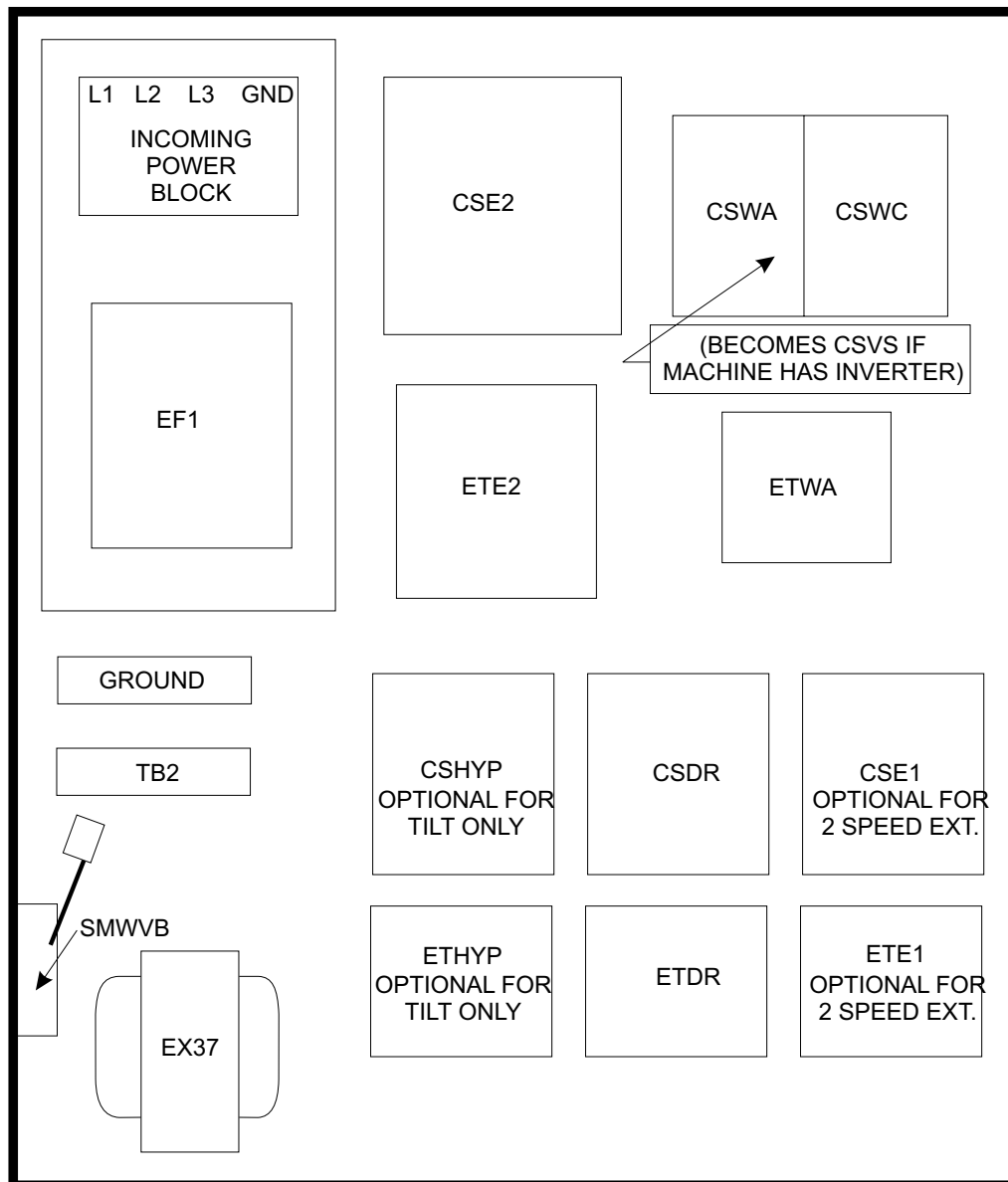
PELLERIN MILNOR CORPORATION



W80008

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

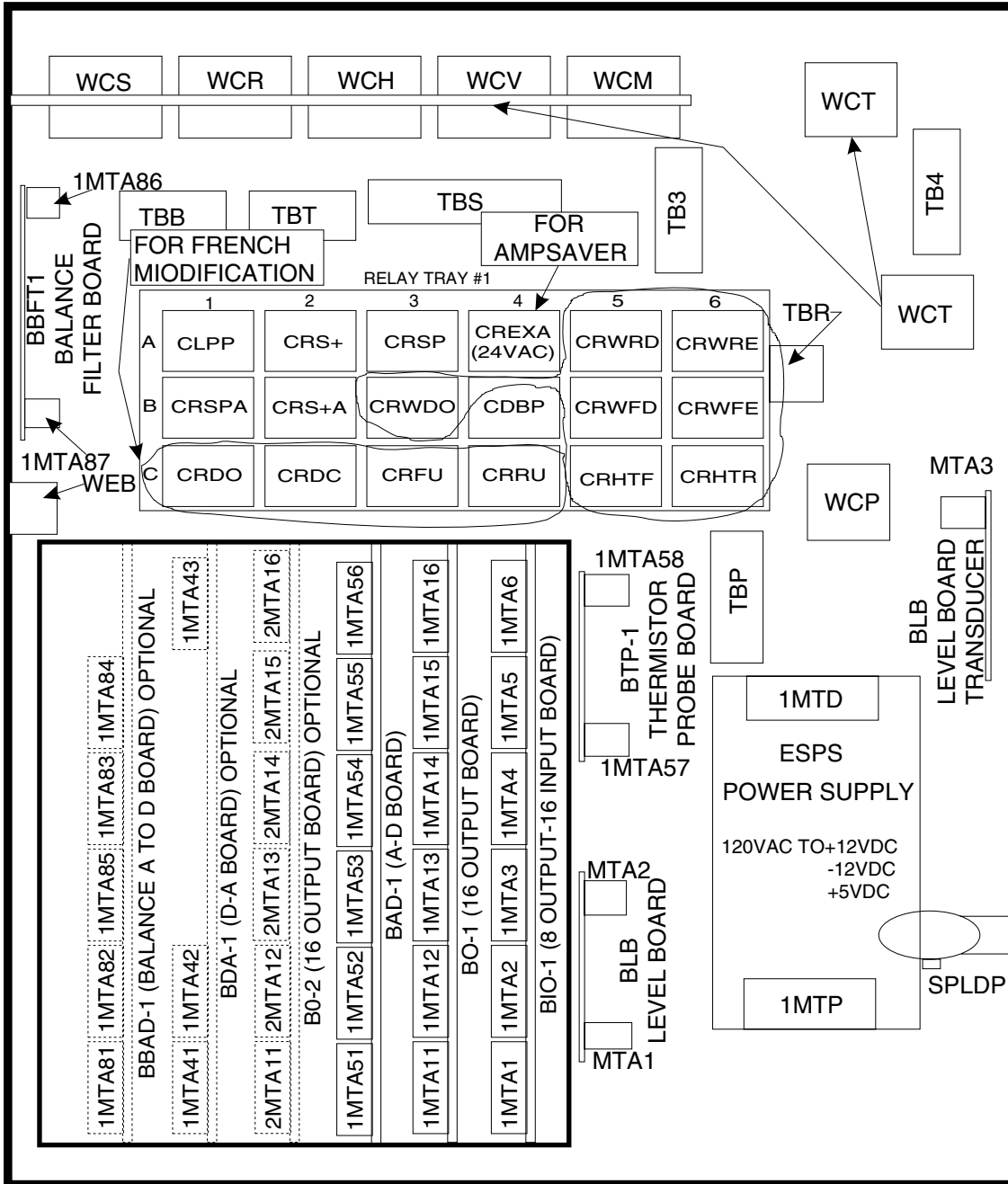
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MICRO 6 SYSTEMS OPEN POCKET WASHER-EXTRACTOR HIGH VOLTAGE CONTROL BOX

PELLERIN MILNOR CORPORATION

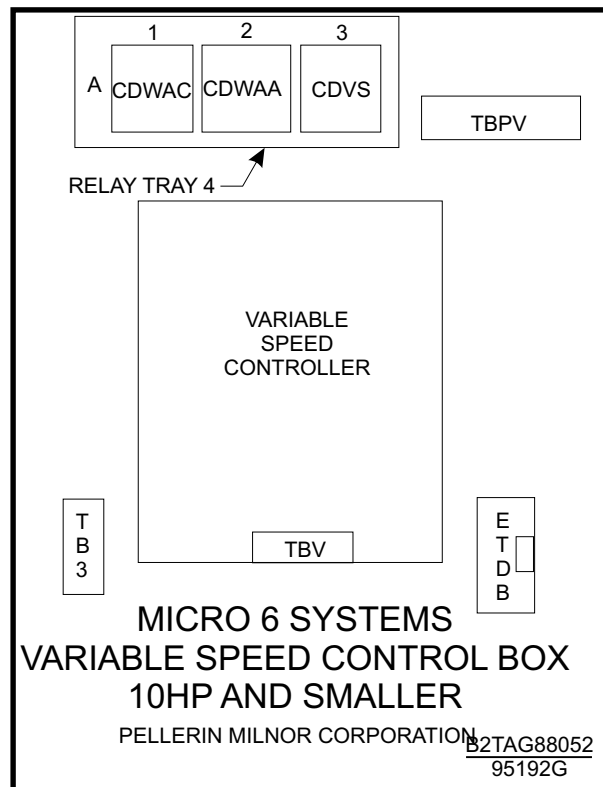
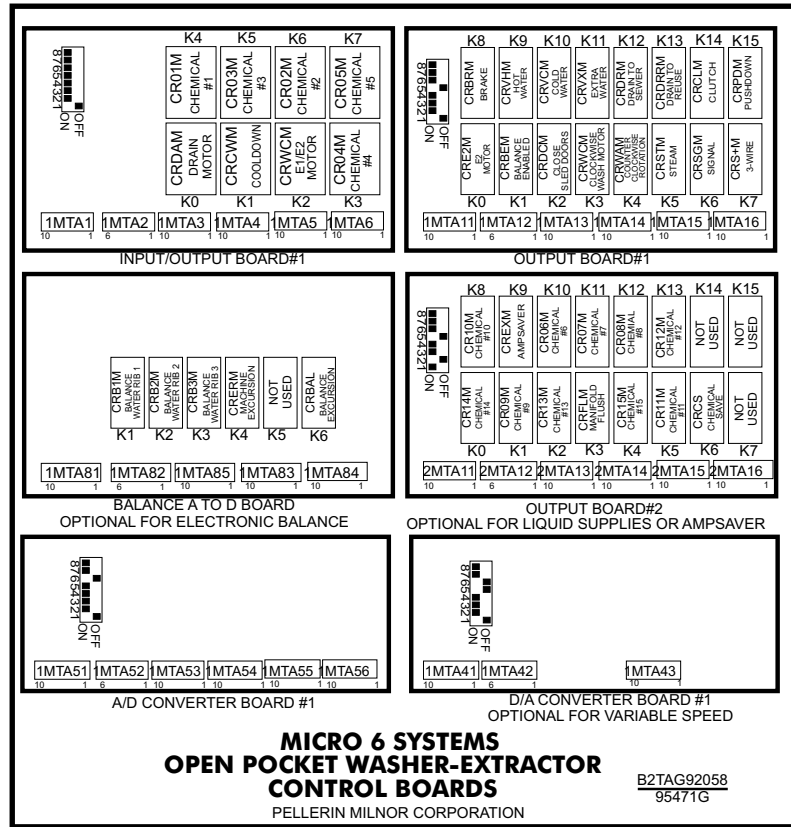
B2TAG84008
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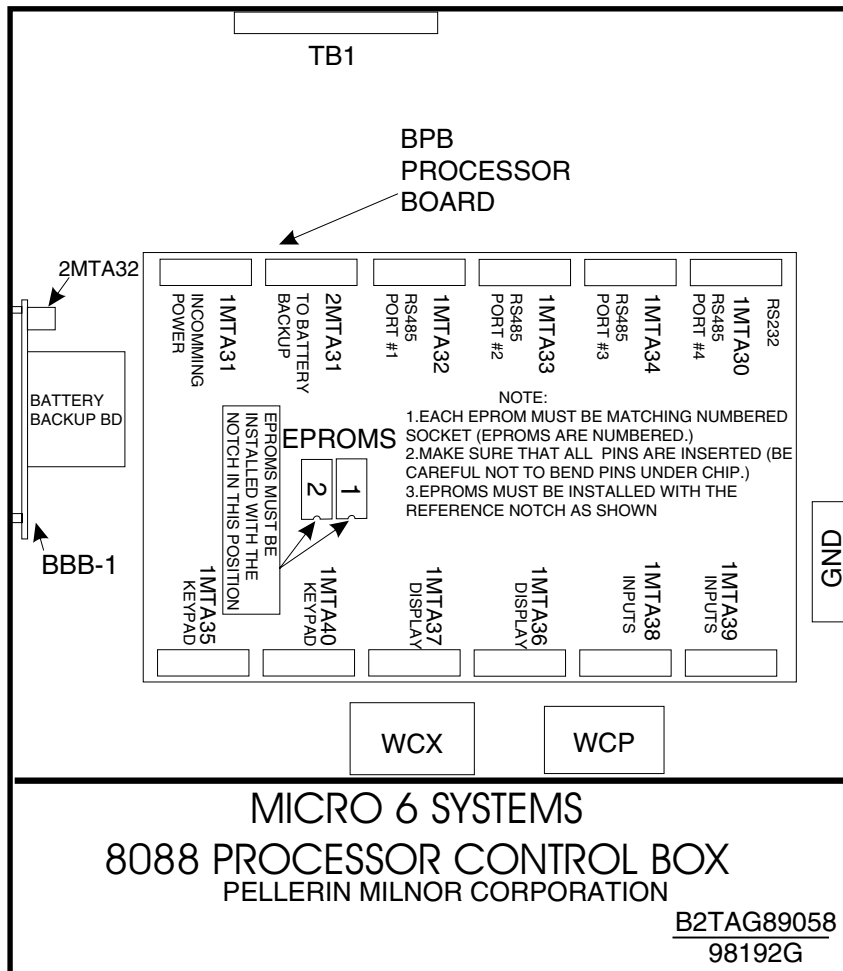
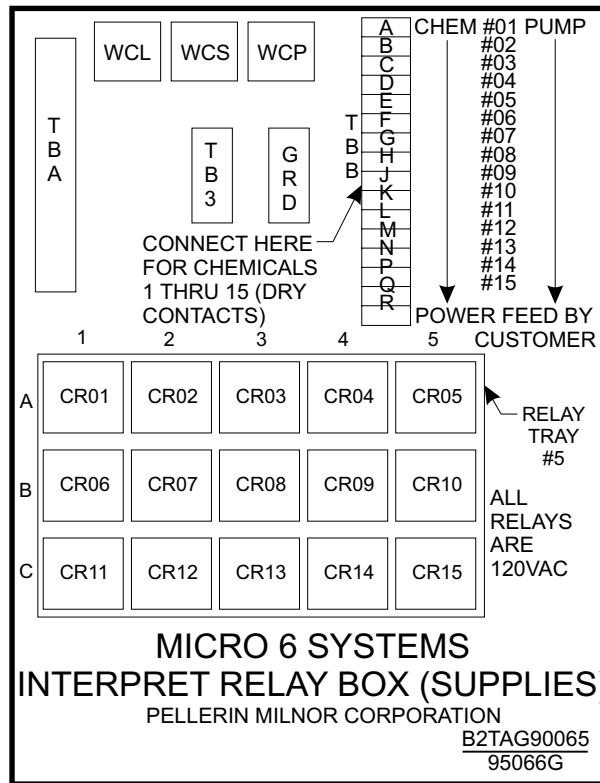


MICRO 6 SYSTEMS
OPEN POCKET WASHER-EXTRACTOR
LOW VOLTAGE CONTROL BOX
PELLERIN MILNOR CORPORATION

B2TAG86027
97463G

W6W2BSTG1
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION



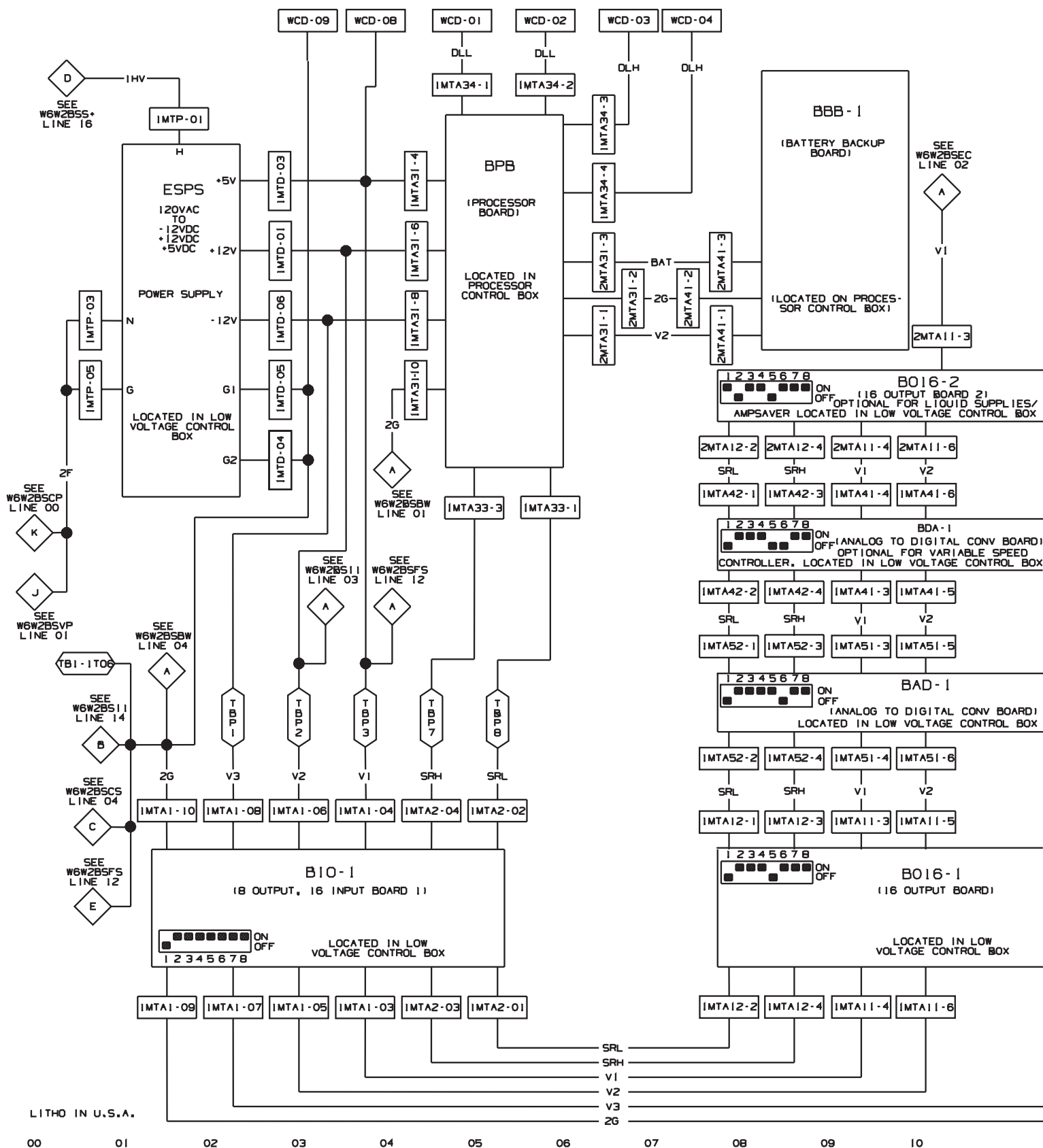


W6W2BSTG2

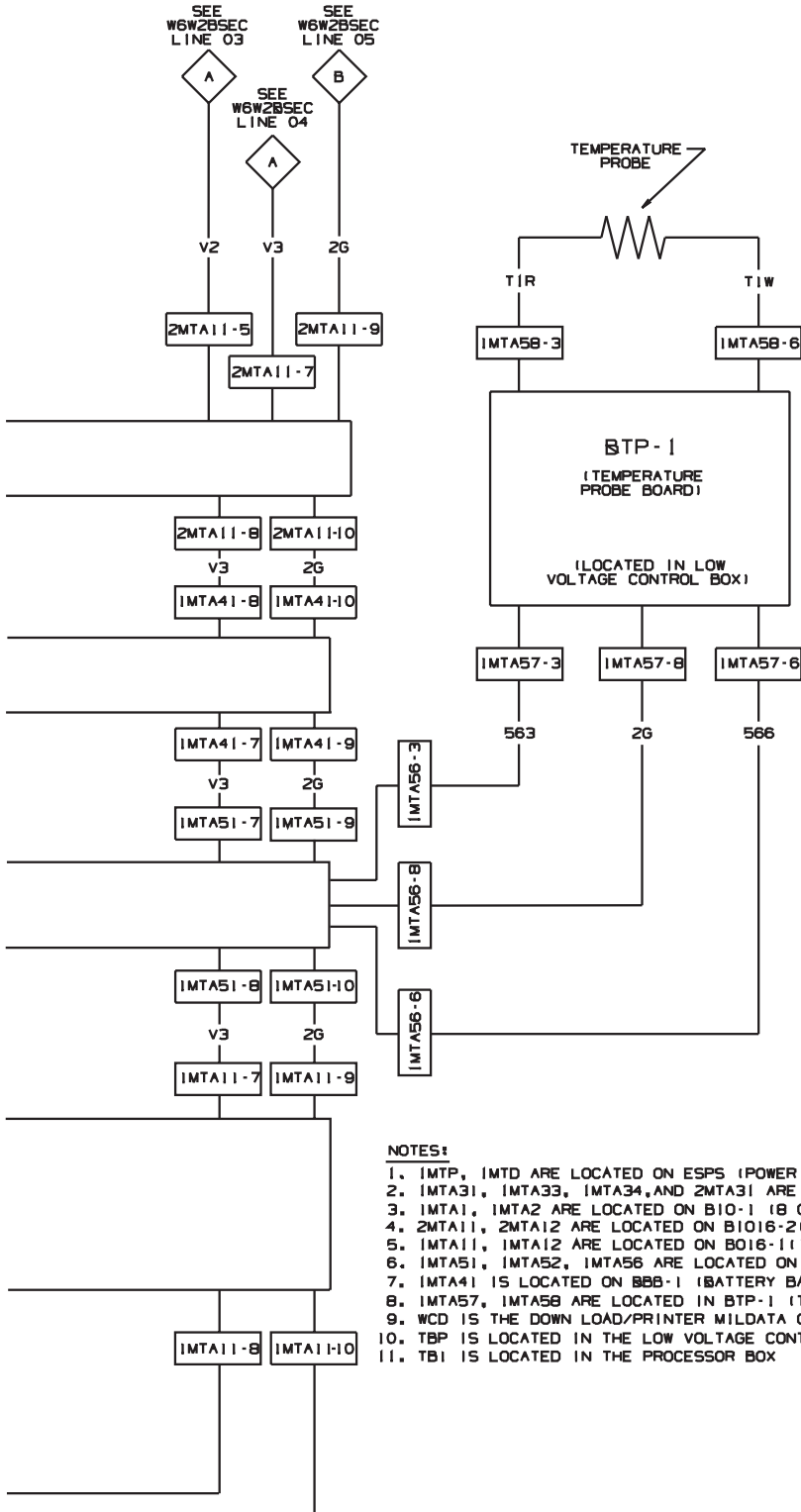
MICRO 6 SYSTEMS

CONTROL BOX LAYOUTS

PELLERIN MILNOR CORPORATION



WIRING 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 GROUND	RED/WHITE



NOTES:

1. IMTP, IMTD ARE LOCATED ON ESPS (POWER SUPPLY)
2. IMTA31, IMTA33, IMTA34, AND ZMTA31 ARE LOCATED ON BPB (8088 PROCESSOR BOARD)
3. IMTA1, IMTA2 ARE LOCATED ON BIO-1 (8 OUTPUT 16 INPUT BOARD)
4. ZMTA11, ZMTA12 ARE LOCATED ON BIO16-2 (16 OUTPUT BOARD)
5. IMTA11, IMTA12 ARE LOCATED ON BIO16-1 (16 OUTPUT BOARD)
6. IMTA51, IMTA52, IMTA56 ARE LOCATED ON BAD-1 (ANALOG TO DIGITAL BOARD)
7. IMTA41 IS LOCATED ON BBB-1 (BATTERY BACKUP BOARD)
8. IMTA57, IMTA58 ARE LOCATED IN BTP-1 (TEMPERATURE PROBE BOARD)
9. WCD IS THE DOWN LOAD/PRINTER MILDATA CONNECTOR
10. TBP IS LOCATED IN THE LOW VOLTAGE CONTROL BOX
11. TBI IS LOCATED IN THE PROCESSOR BOX

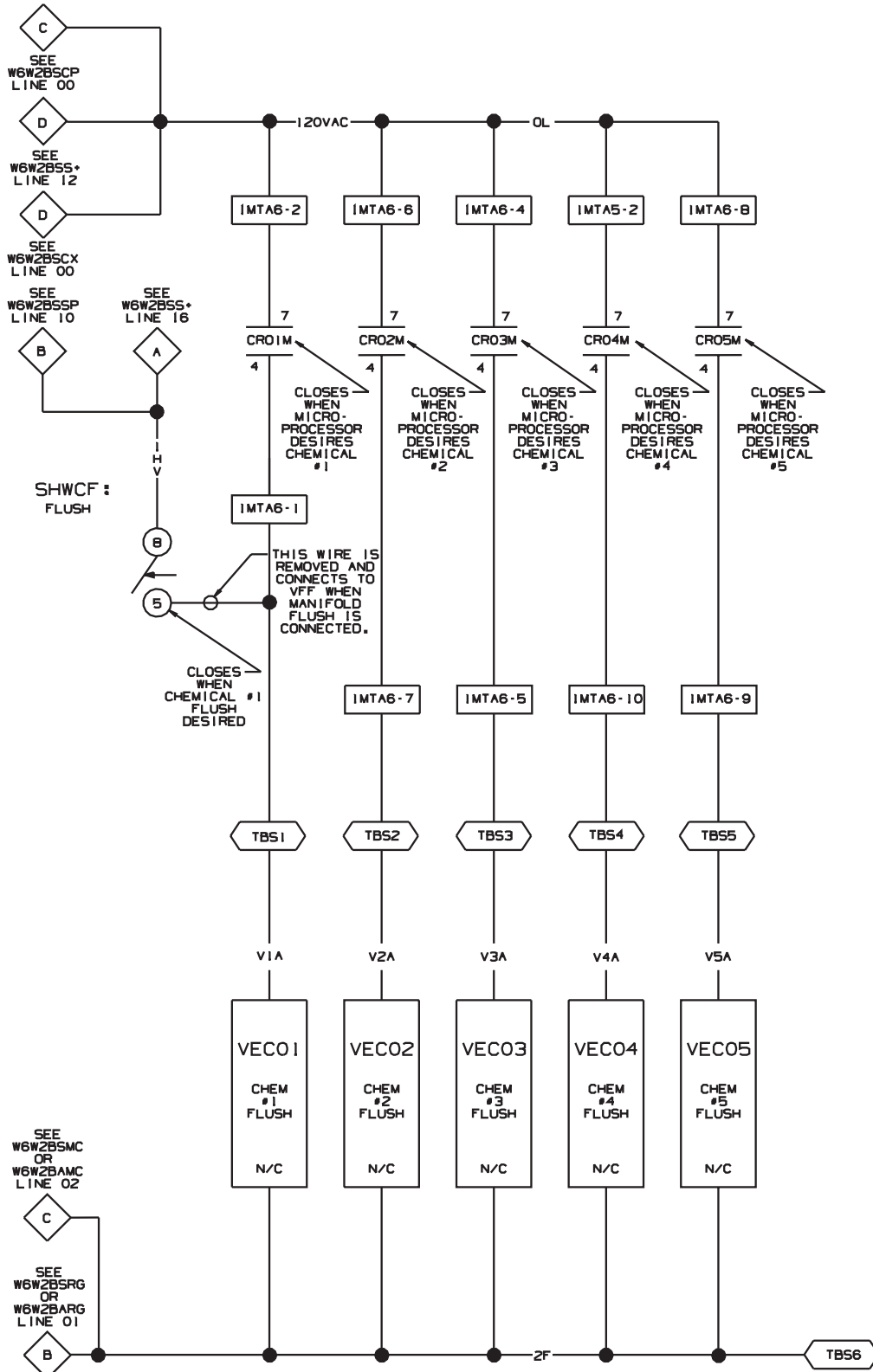
W6W2BSBW

MICRO 6 SYSTEMS SERIAL CONTROLS
MARK III

SCHEMATIC: BOARD TO BOARD WIRING
(SERIAL CONTROLS)
110V1P50HZ / 120V1P60HZ

PELLERIN MILNOR CORPORATION

11 12 13 14 15 16 17 18 19



NOTES:

1. IMTA5, IMTA6 ARE LOCATED ON B10-1 18 OUTPUT-16 INPUT

LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08

W6W2BSCF

MICRO 6 SYSTEMS SERIAL CONTROLS

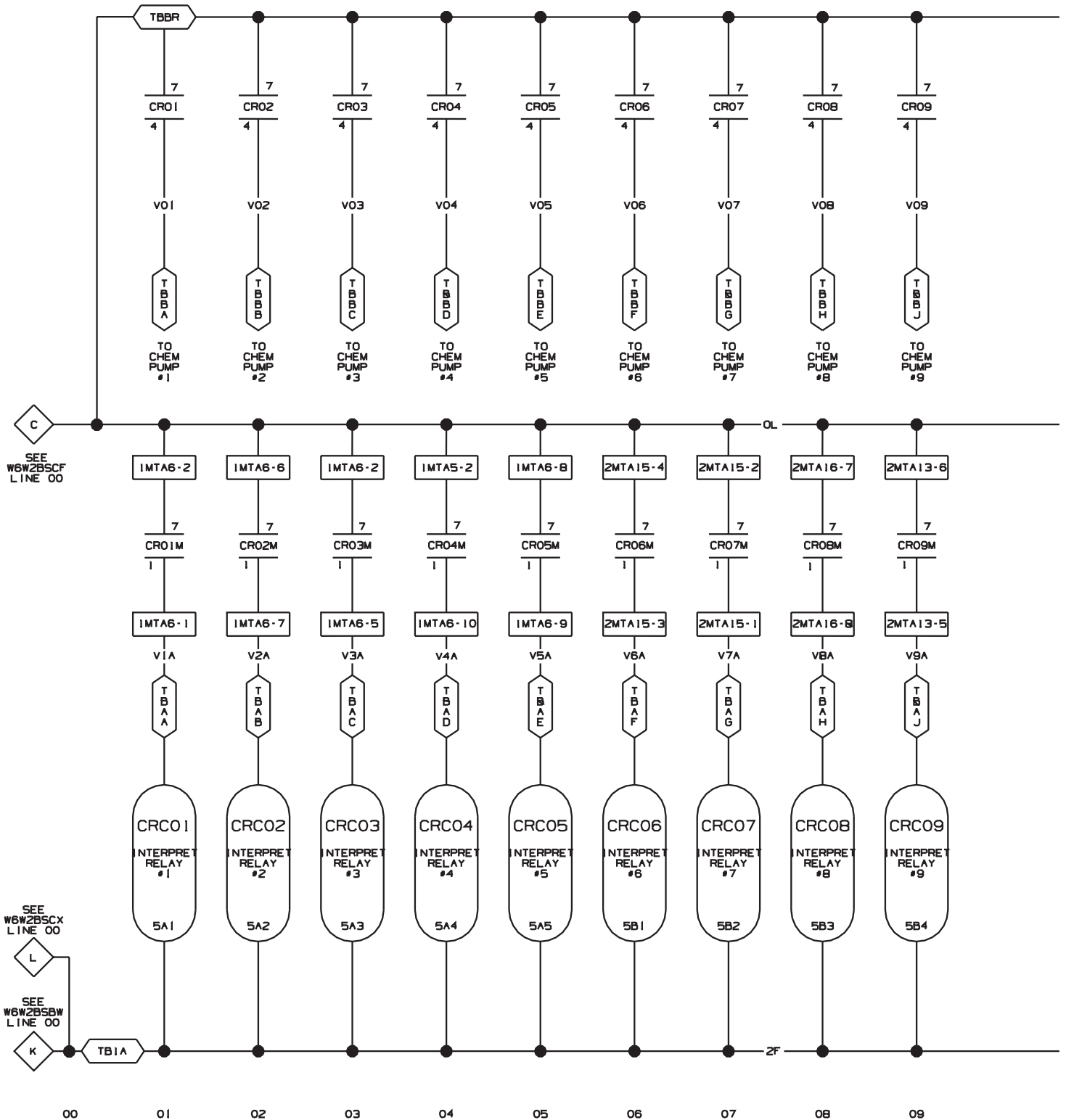
MARK III

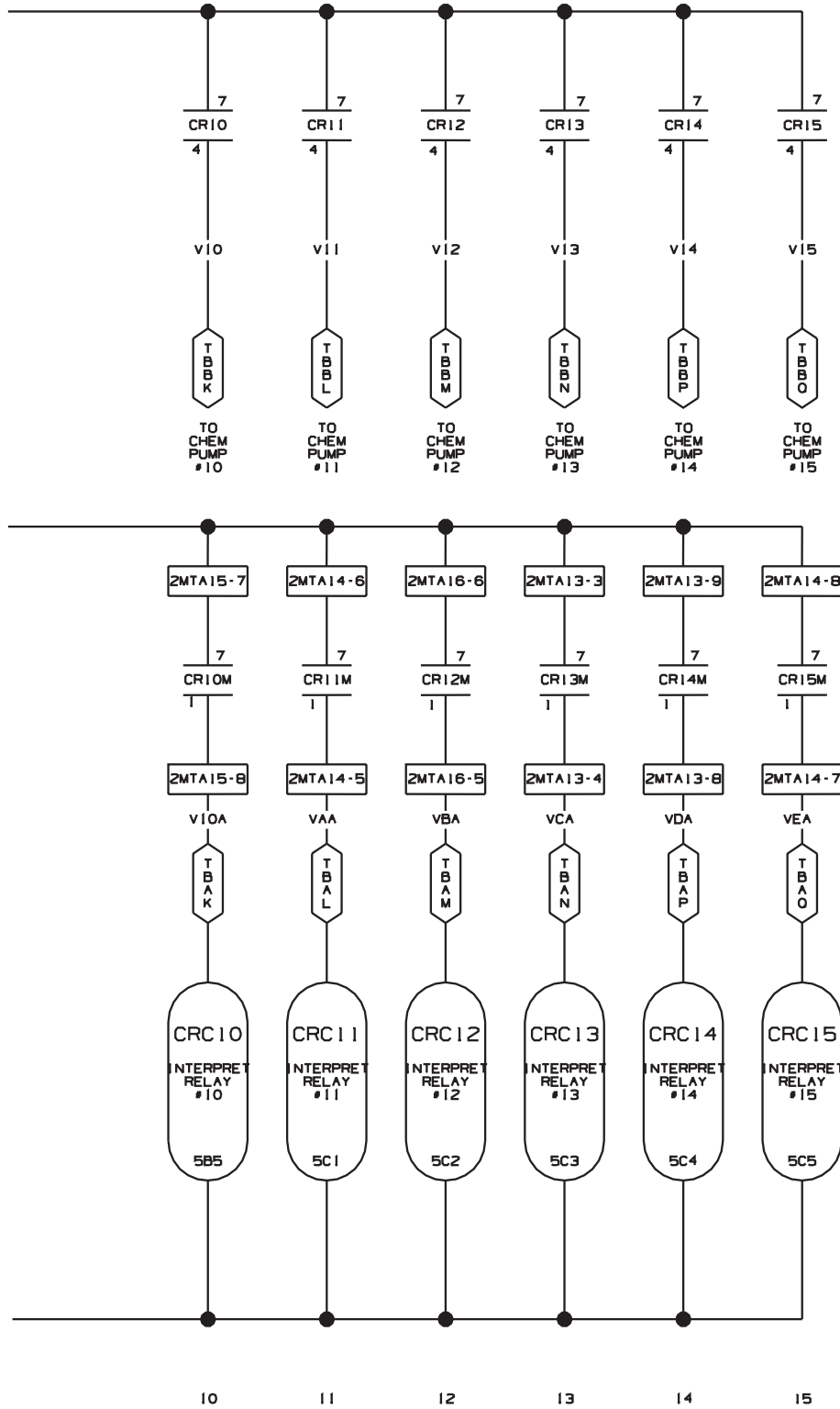
SCHEMATIC: FLUSHING SUPPLIES

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

IF CUSTOMER IS SUPPLYING
VOLTAGE FOR CHEMICAL
PUMPS THEN TBBR MUST BE
DISCONNECTED FROM
INTERNAL 120VAC SUPPLY





16

17

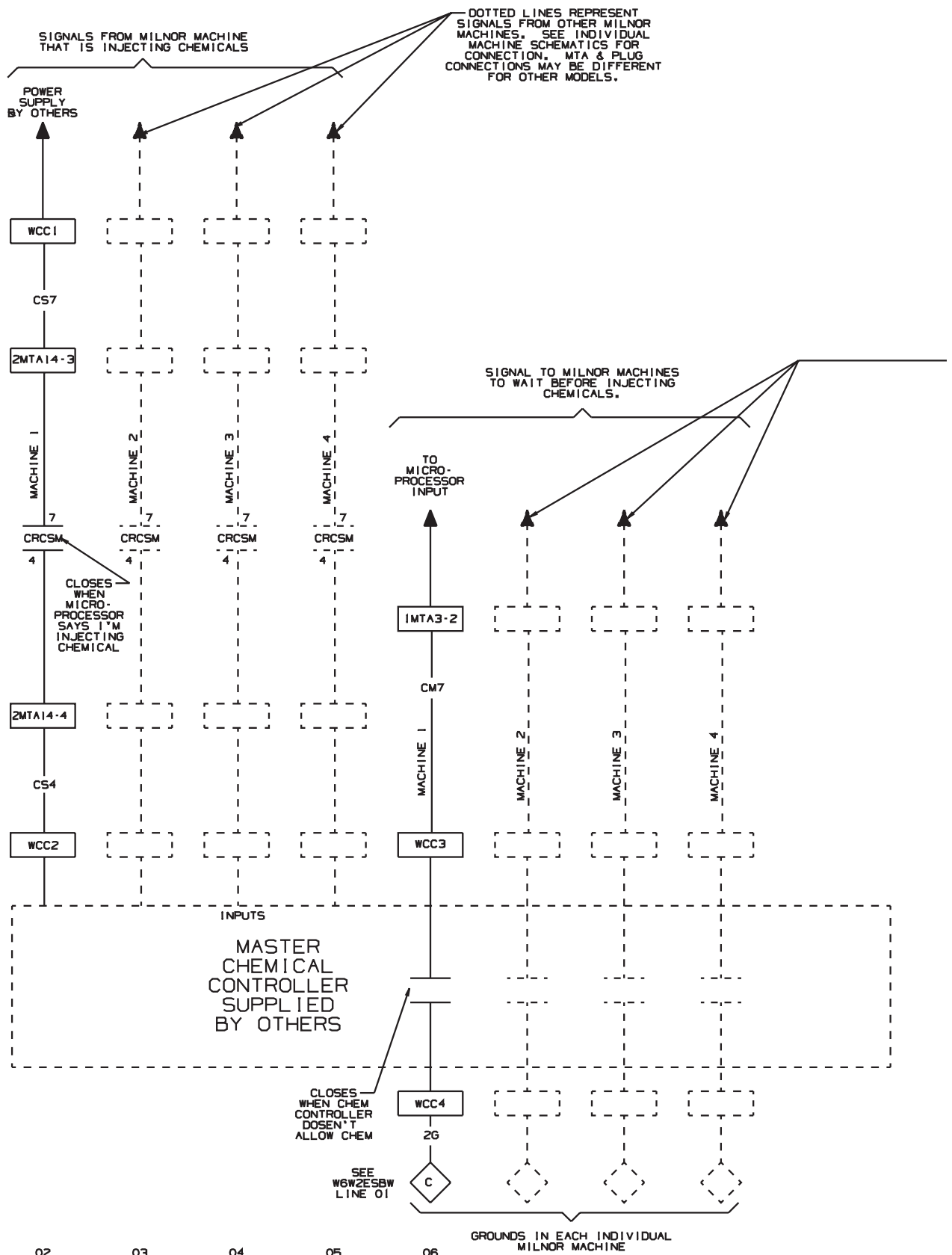
W6W2BSCP

MICRO 6 SYSTEMS SERIAL CONTROLS

SCHEMATIC: LIQUID SUPPLY-INTERPRET RELAYS

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION



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GROUNDING IN EACH INDIVIDUAL
MILNOR MACHINE

———— 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.

W6W2BSCS

MICRO 6 SYSTEMS

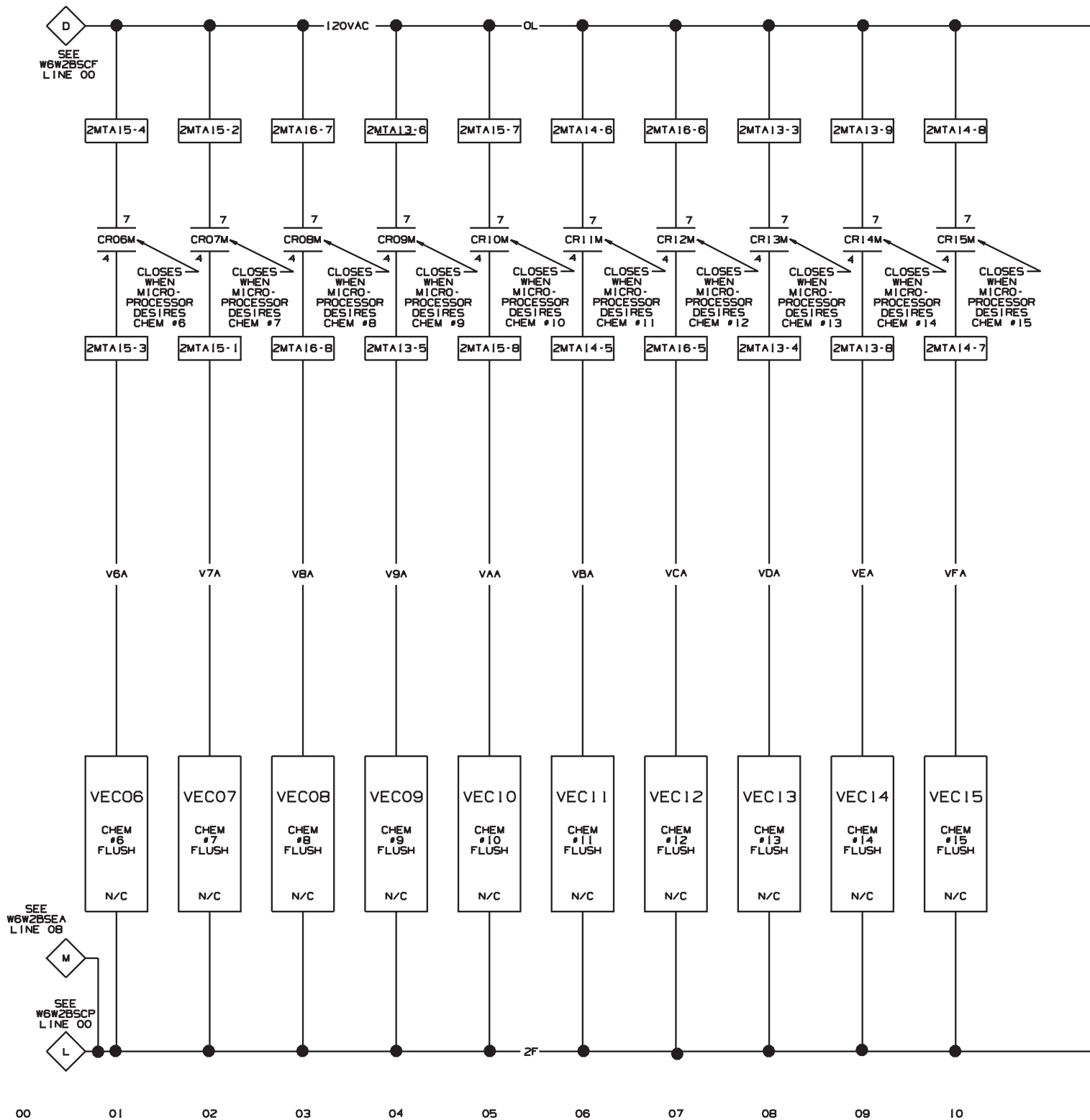
MARK III

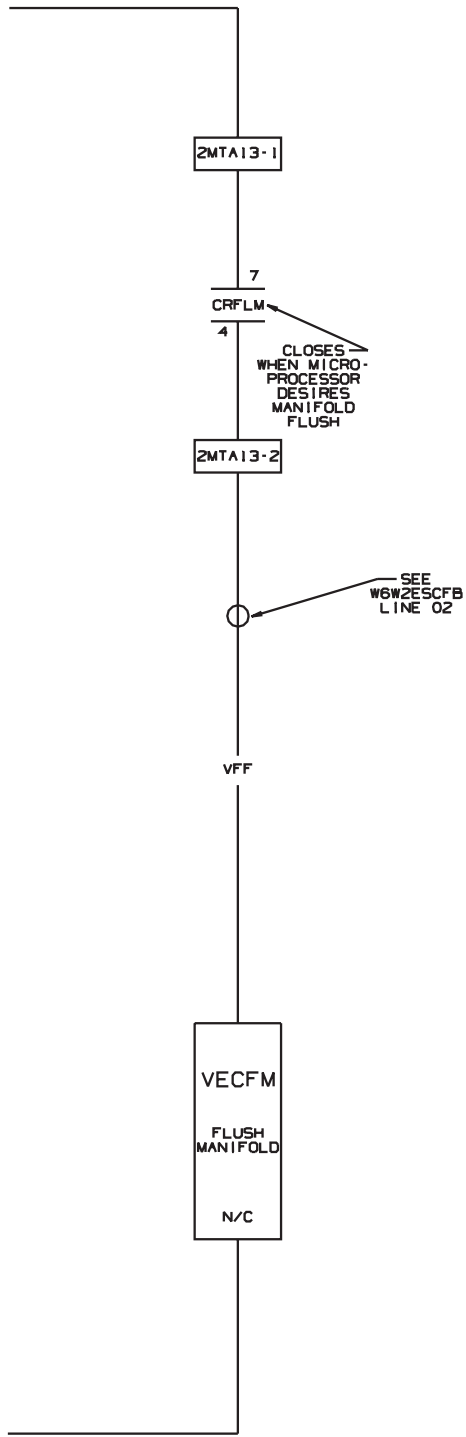
SCHEMATIC: CHEMICAL SAVE (OPTIONAL)

PELLERIN MILNOR CORPORATION

W6W2BSCS
982768

W6W2BSCS
982768





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W6W2BSCX

MICRO 6 SYSTEMS

SERIAL CONTROLS

MARK III

SCHEMATIC: CENTRAL LIQUID SUPPLY

FLUSH 6 THRU 15

PELLERIN MILNOR CORPORATION

W6W2BSCX
94441B

ZMTA36-5

3
7
0

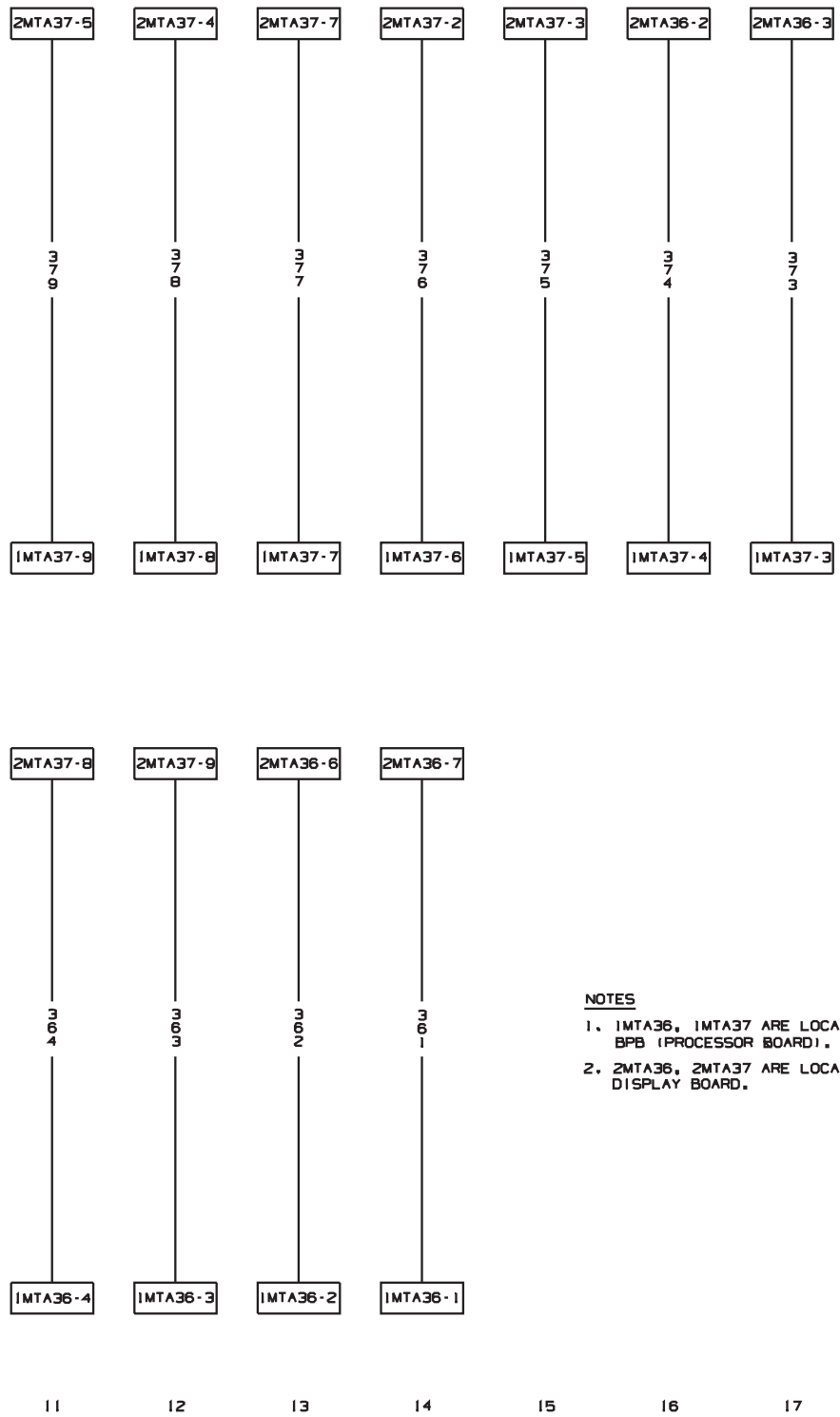
IMTA37-10

ZMTA37-6

13
00
10

IMTA36-5

00 01 02 03 04 05 06 07 08 09 10



NOTES

1. IMTA36, IMTA37 ARE LOCATED ON BPB (PROCESSOR BOARD).
2. ZMTA36, ZMTA37 ARE LOCATED ON DISPLAY BOARD.

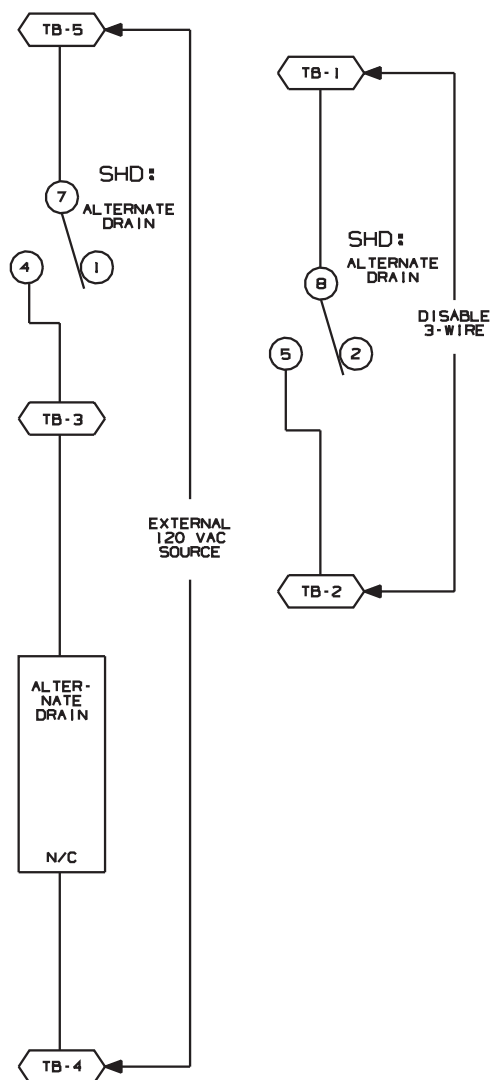
W6W2BSD

MICRO 6 SYSTEMS SERIAL CONTROLS

MARK III

SCHEMATIC: DISPLAY

PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07

W6W2B5DR

SCHEMATIC: ALTERNATE DRAIN VALVE
110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

~~W6W2B5DR~~
~~94441B~~

~~W6W2B5DR~~
~~94441B~~



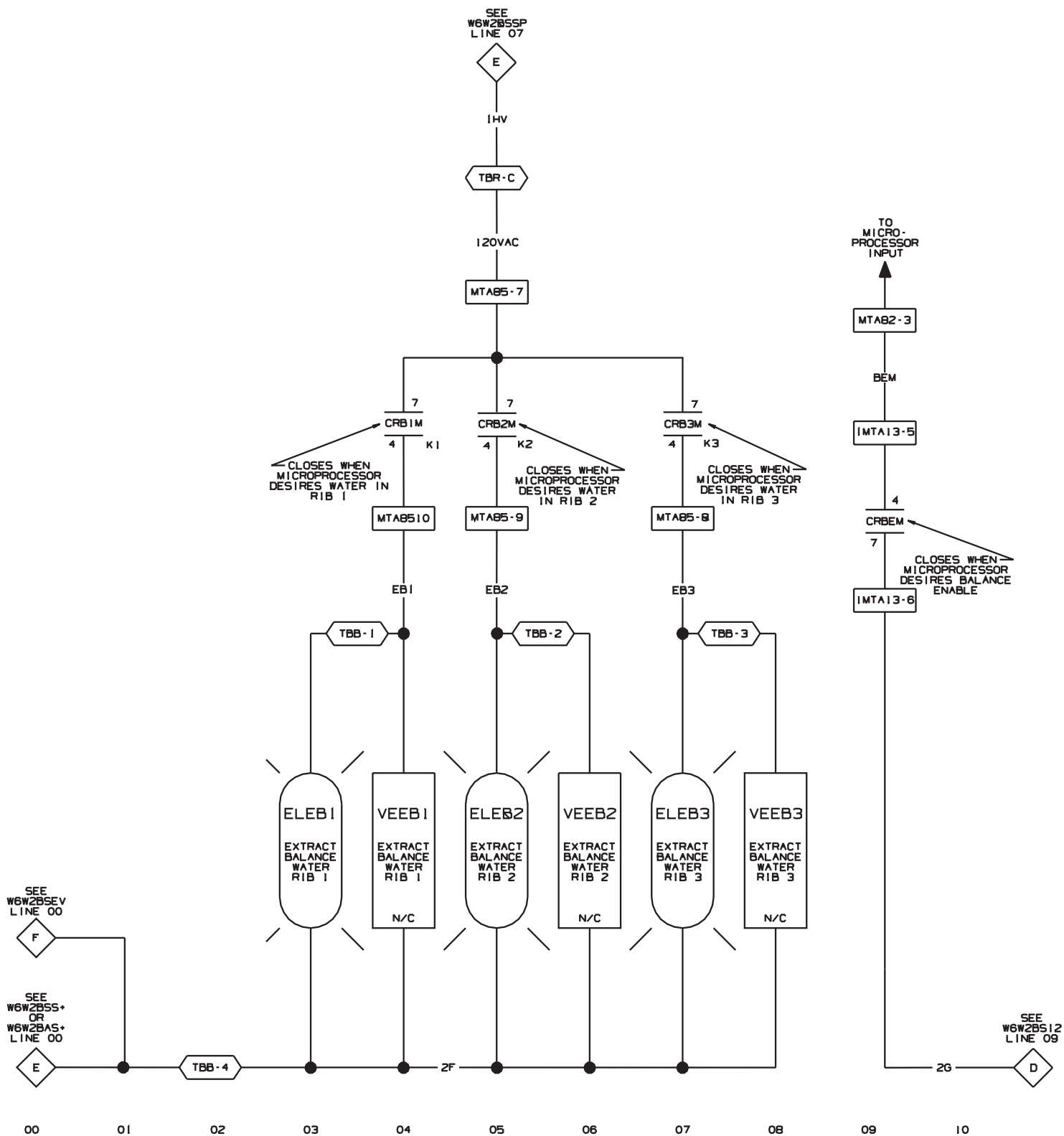
W6W2BSEA

MICRO 6 SYSTEMS SERIAL CONTROLS

MARK III

SCHEMATIC: EXTRACT COMMANDS SATISFIED
24V1P50HZ/24V1P60HZ

PELLERIN MILNOR CORPORATION



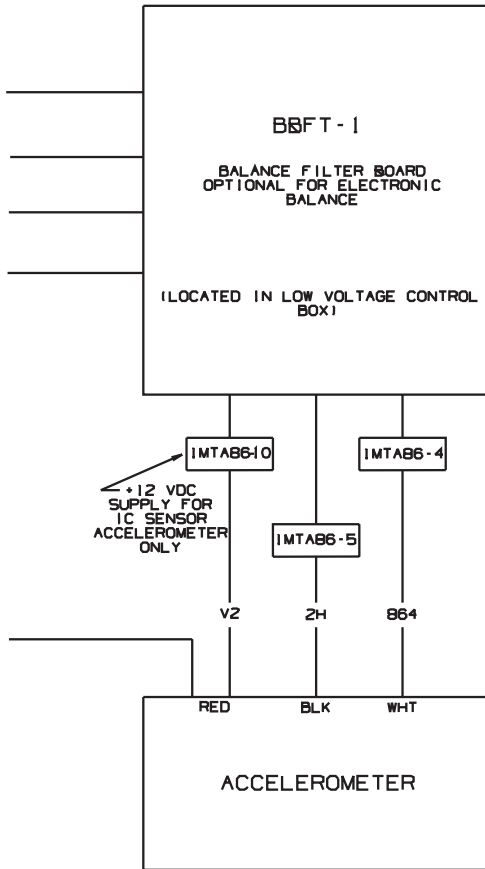
W6W2B5EB

MICRO 6 SYSTEMS CONTROLS
MARK III

SCHEMATIC: BALANCING VALVES

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



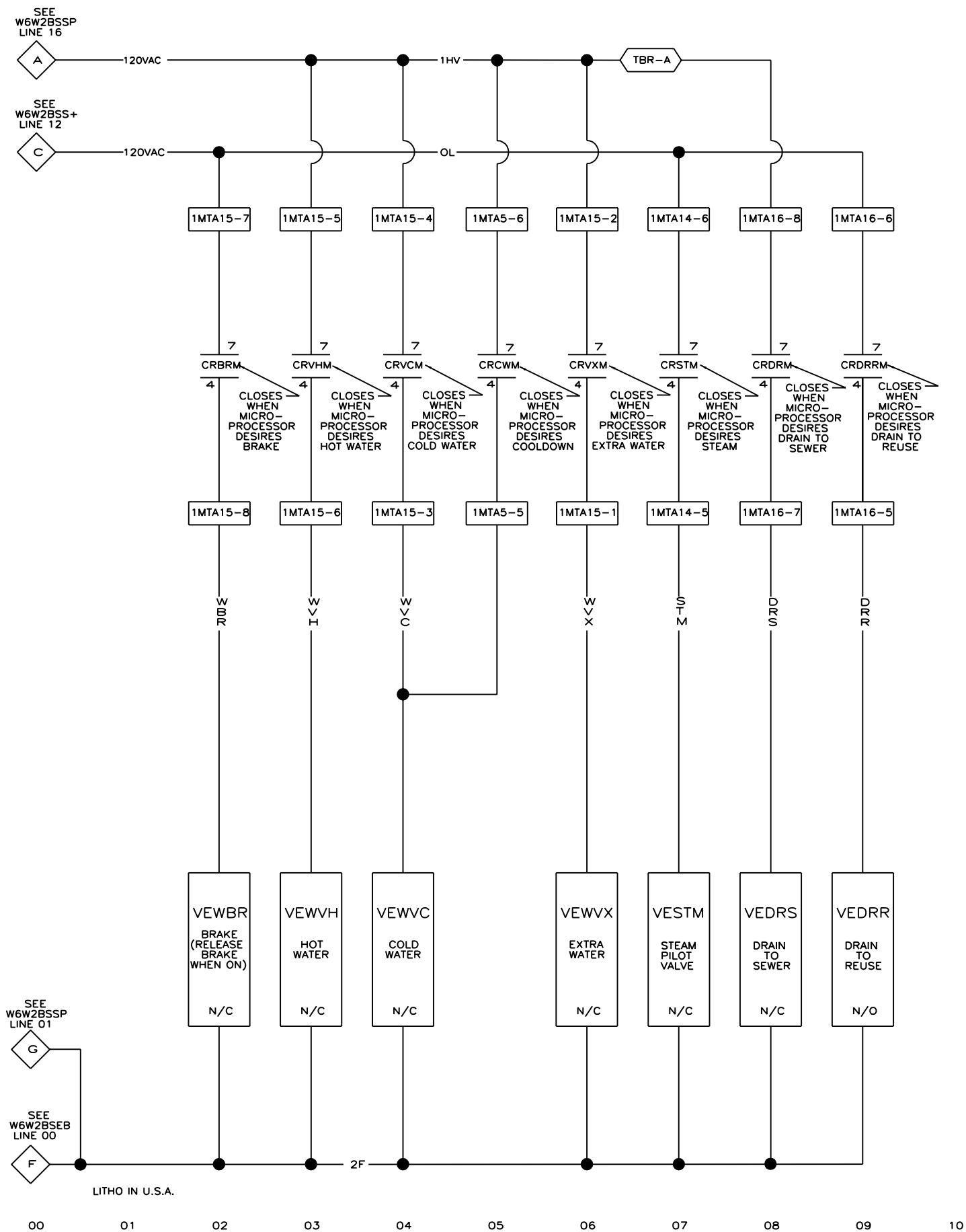


WIRING	VOLTAGE	WIRE COLOR
V1	+5VDC	BLUE
V2	+12VDC	BLUE/ORANGE
V3	+12VDC	BLUE/BLACK
ZG	GROUND	BLUE/WHITE
SRH	SERIAL HIGH	BLUE/RED
SRL	SERIAL LOW	BLUE/BLACK
INPUTS	-	BLUE/BLACK
.	24VAC	BLUE/RED
.	120VAC	RED
2F	CONTROL GROUND	RED/WHITE

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.

W6W2BSEC
MICRO 6 SYSTEMS
SERIAL CONTROLS
MARK III
SCHEMATIC: ELECTRONIC BALANCE/LEVEL
PELLERIN MILNOR CORPORATION



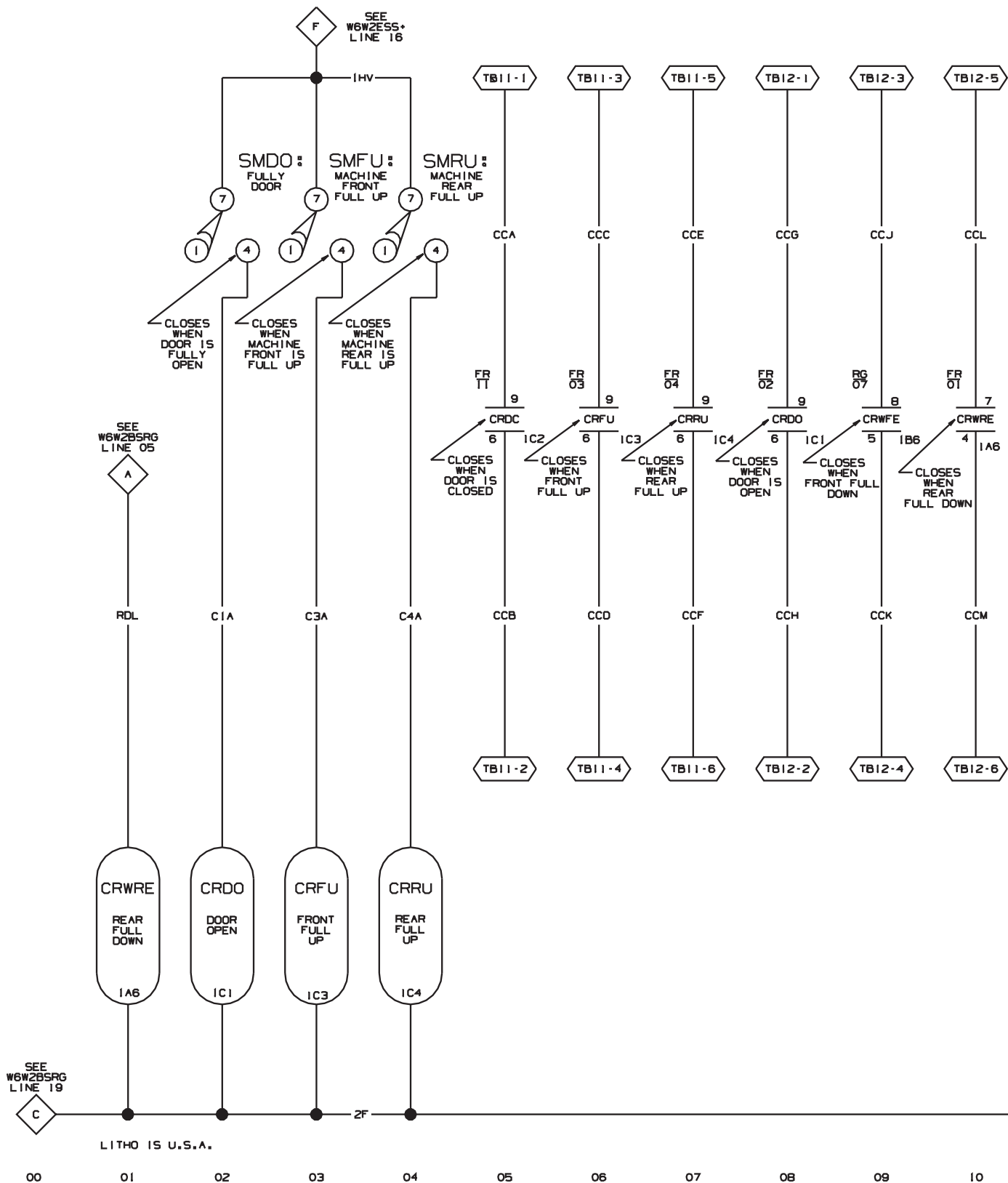
W6W2BSEV

MICRO 6 SYSTEMS SERIAL CONTROLS MARK III

SCHEMATIC: ELECTRICAL VALVES

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

FR10	FR17	FR13	FR15
FR08	FR08	FR06	FR07





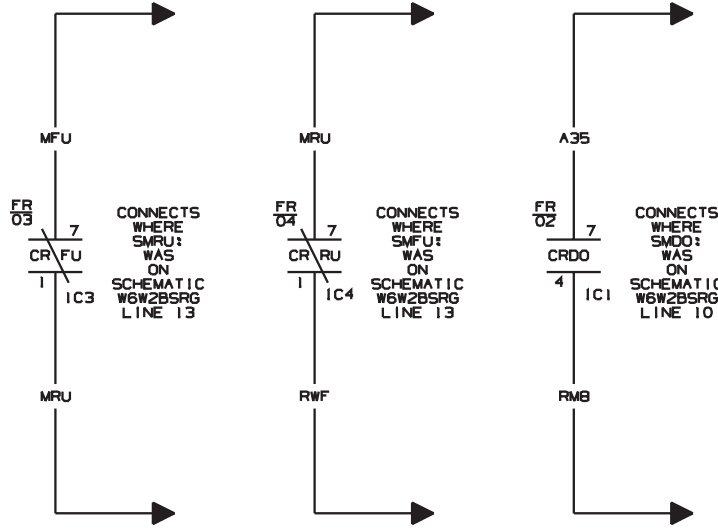
SEE
W6W2ESS*
LINE 10



ML4



IC2



W6W2BSFR

FRENCH MODIFICATIONS

MICRO 6 SYSTEMS SERIAL CONTROLS MARK III

SCHEMATIC: FRENCH TILT CONTROLS

PELLERIN MILNOR CORPORATION

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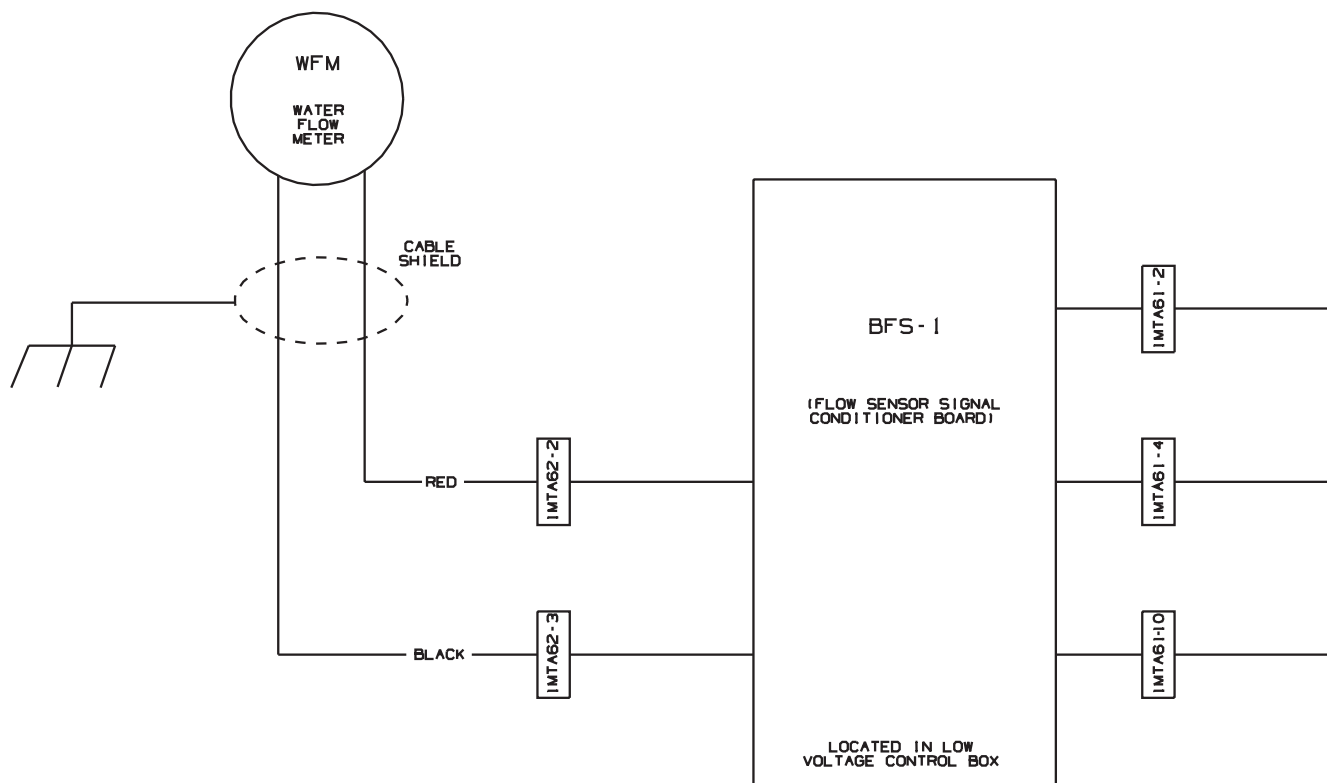
13

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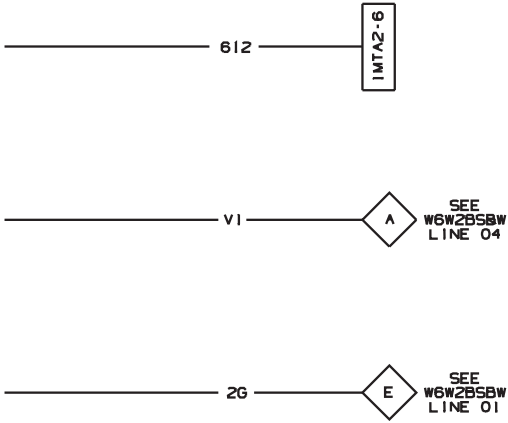
16

17



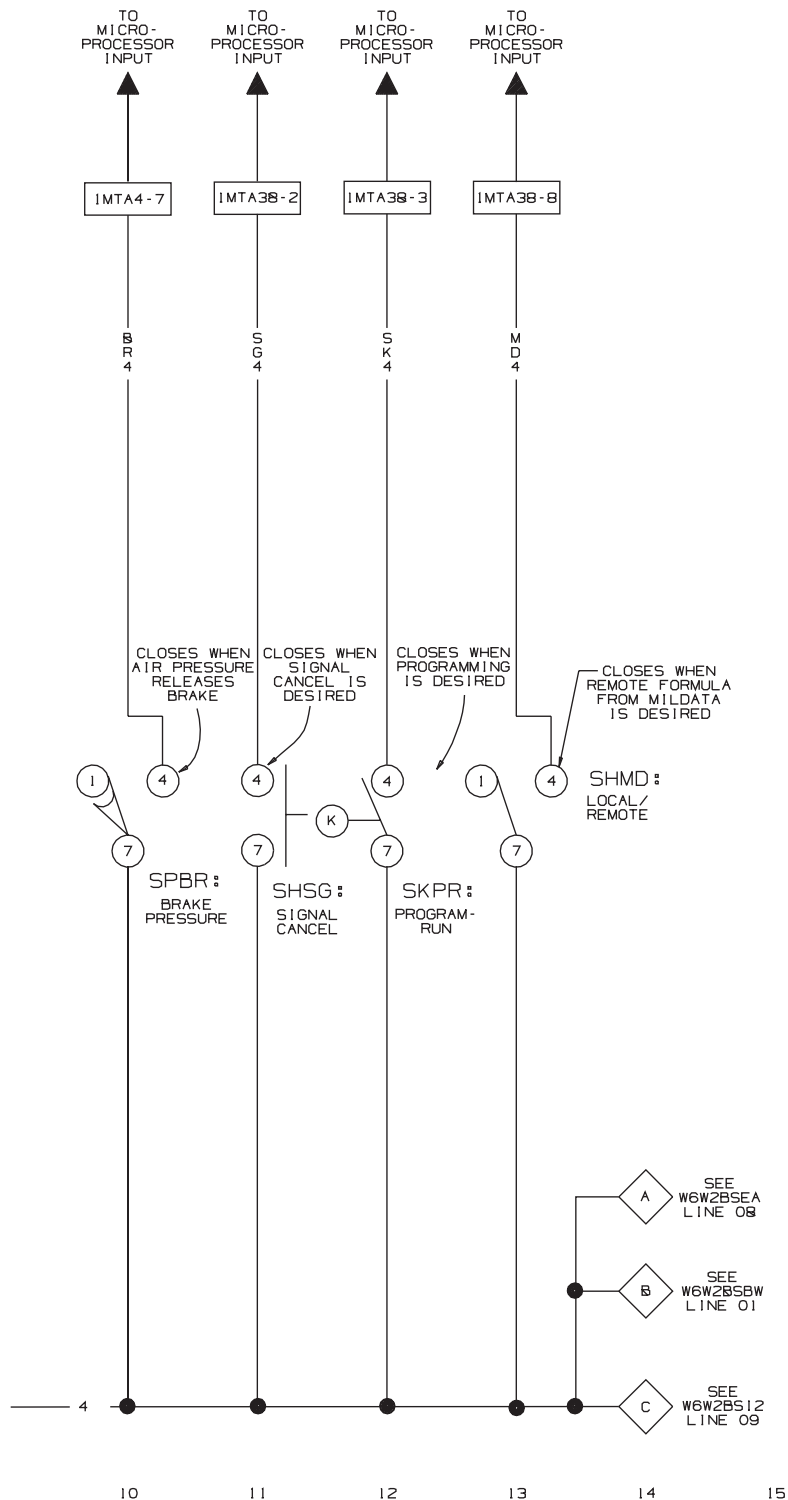
LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10



W6W2BSFS
MICRO 6 SYSTEMS
SCHEMATIC: FLOW SENSOR (OPTIONAL)

PELLERIN MILNOR CORPORATION



W6W2BS11

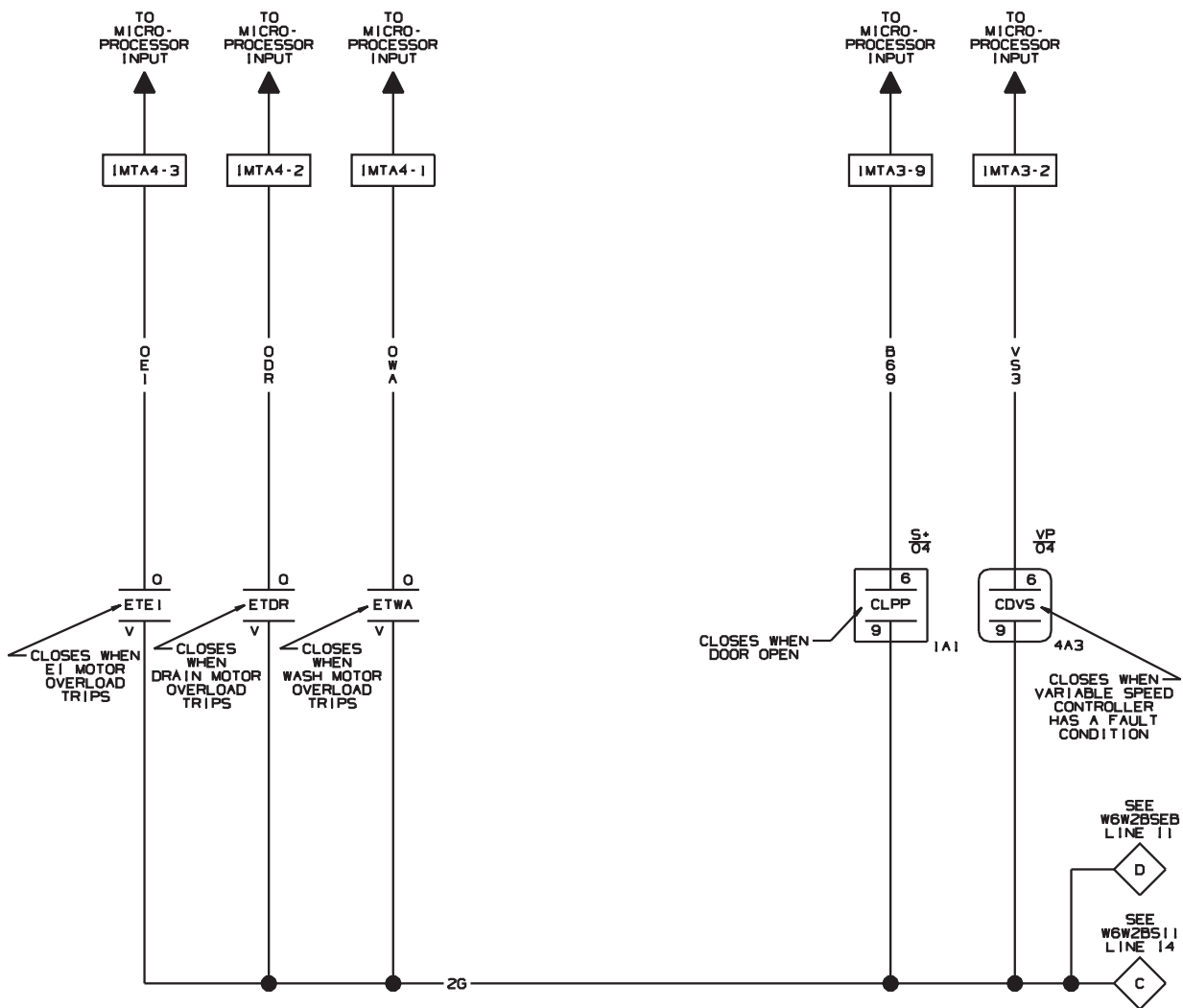
MICRO 6 SYSTEMS

SERIAL CONTROLS

MARK III

SCHEMATIC: MICROPROCESSOR INPUTS

PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07 08 09 10

NOTES:

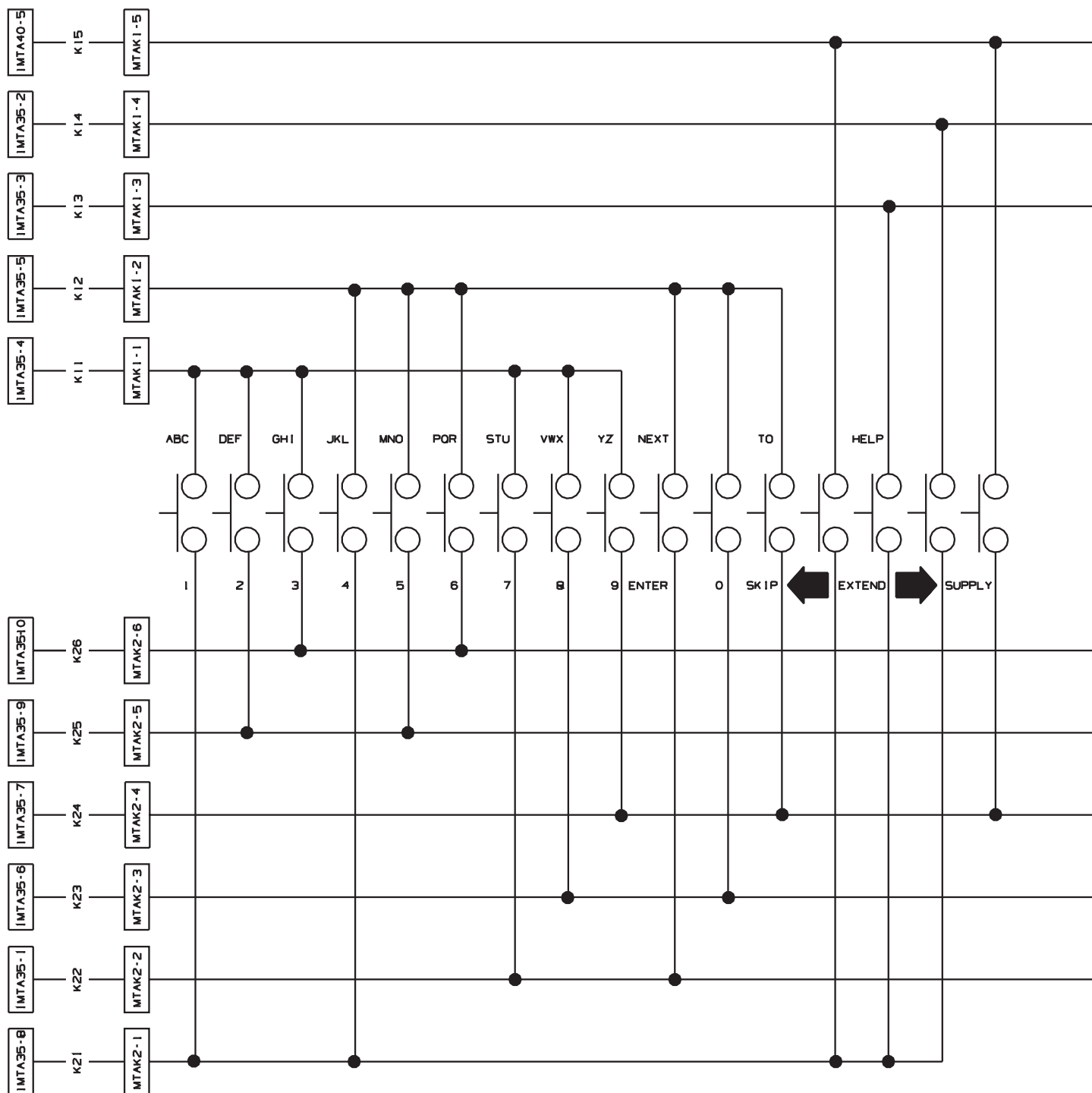
1. IMTA3 & IMTA4 ARE LOCATED ON
BIO-1 (8 OUTPUT-16 INPUT BOARD)

WG2BS12

MICRO 6 SYSTEMS SERIAL CONTROLS MARK III

SCHEMATIC: MICROPROCESSOR INPUTS

PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

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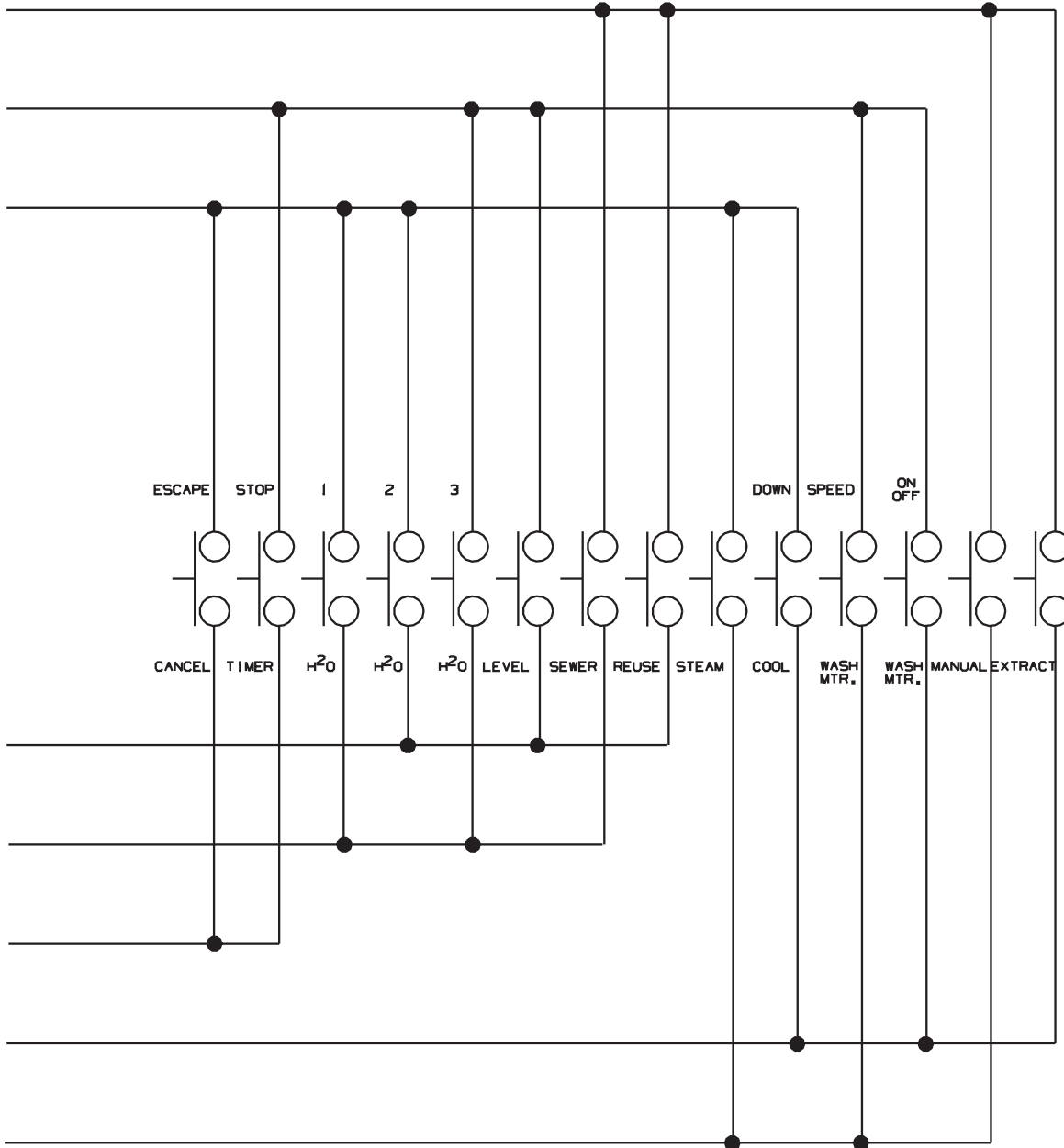
06

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NOTES:

1. MTAK1 & MTAK2 ARE LOCATED ON KEYPAD.
2. IMTA35 & IMTA40 ARE LOCATED ON BPB (PROCESSOR BOARD).

W6W2BSKP

MICRO 6 SYSTEMS

MARK III

SCHEMATIC: KEYPAD (SERIAL CONTROLS)

PELLERIN MILNOR CORPORATION

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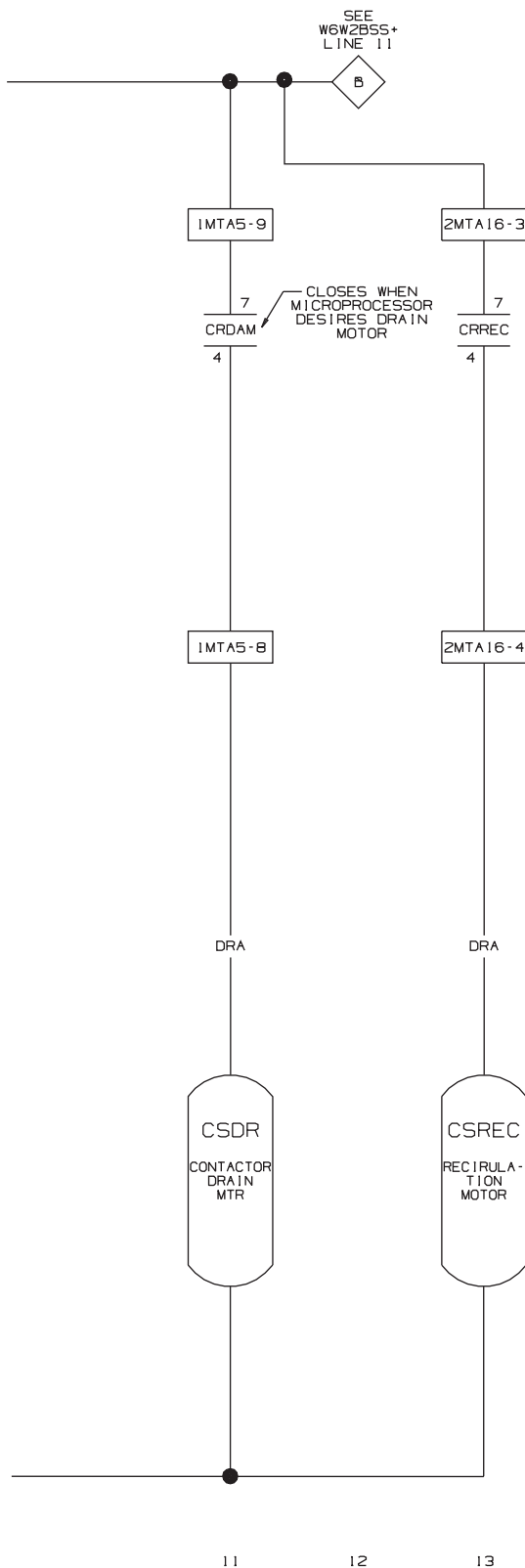
15

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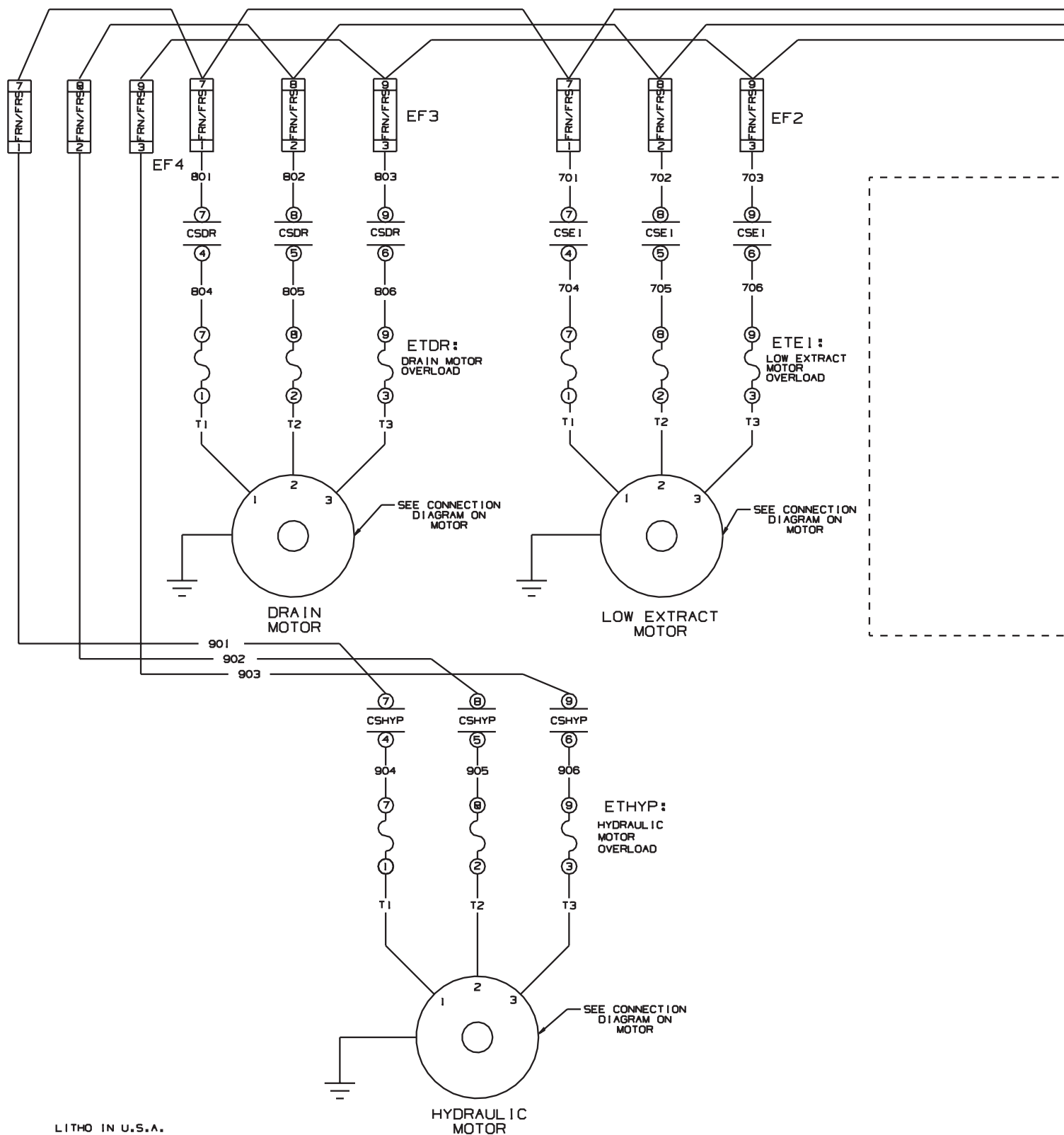
19



NOTES:

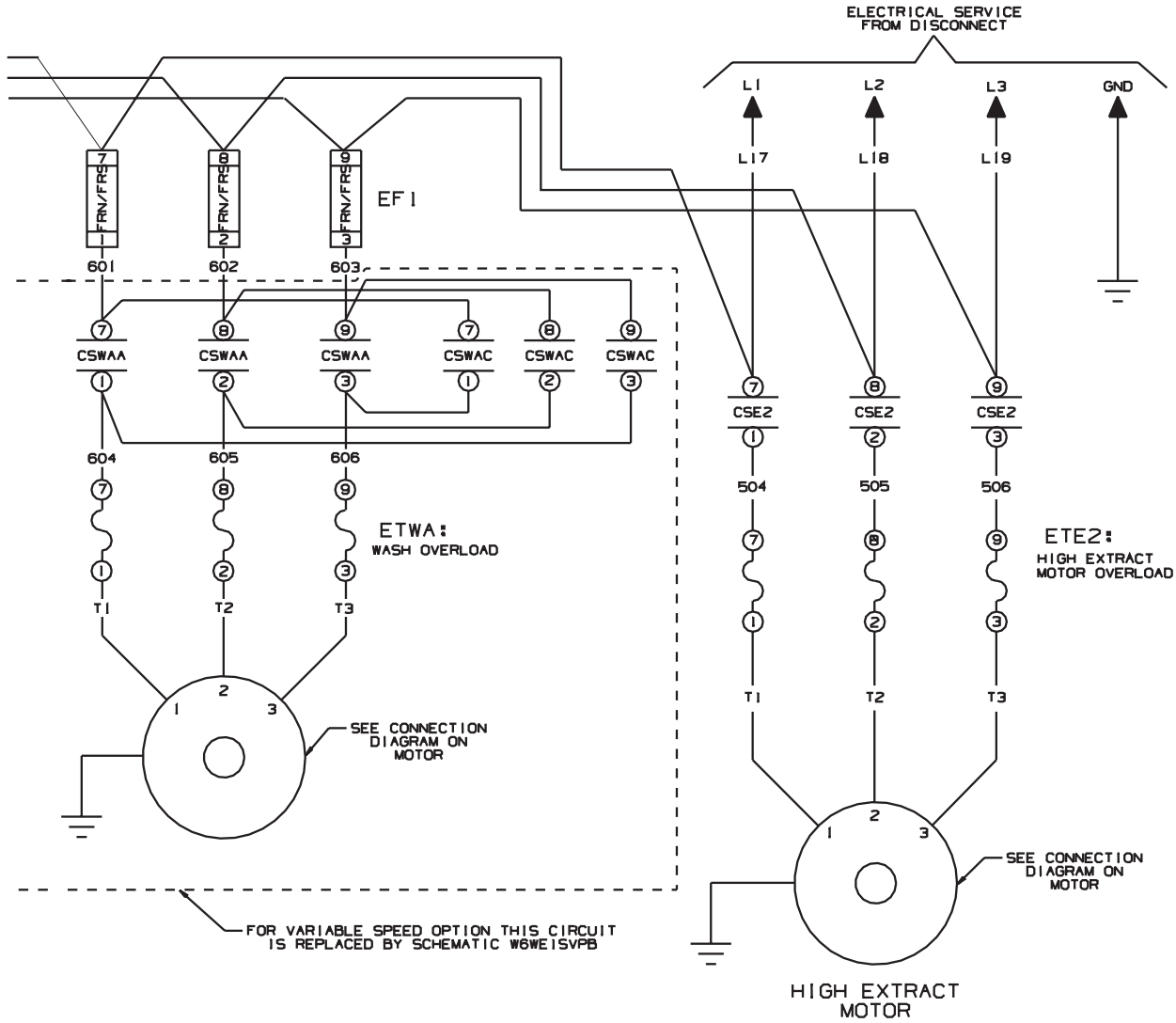
1. REMOVE (J1) FOR TWO SPEED EXTRACT.
2. SEE DRAWING W6W2BSVP FOR WASH MOTOR CONTACTOR WITH VARIABLE SPEED CONTROLLER OPTION.

W6W2BSMC
 MICRO 6 SYSTEMS
 SERIAL CONTROLS
 MARK III
 SCHEMATIC: DRIVE MOTOR CONTACTOR
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09



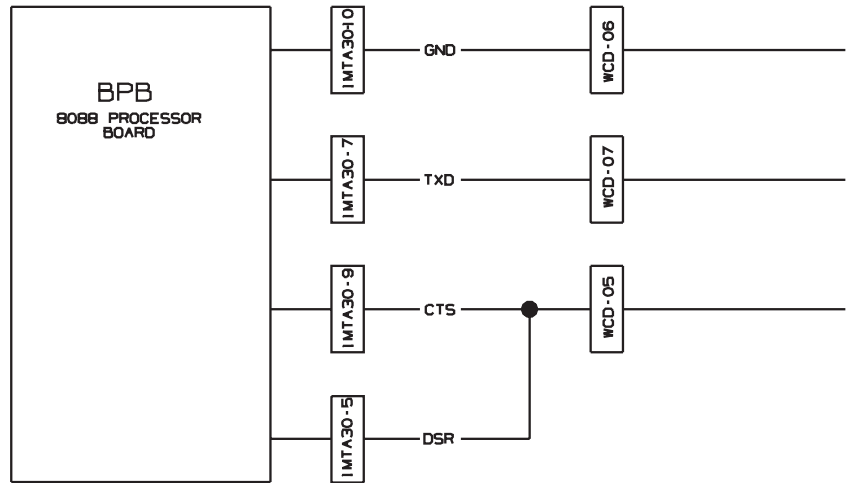
W6W2BSMT

MICRO 6 SYSTEMS SERIAL CONTROLS

MARK III

SCHEMATIC: TYPICAL OPEN POCKET MOTOR CONNECTIONS

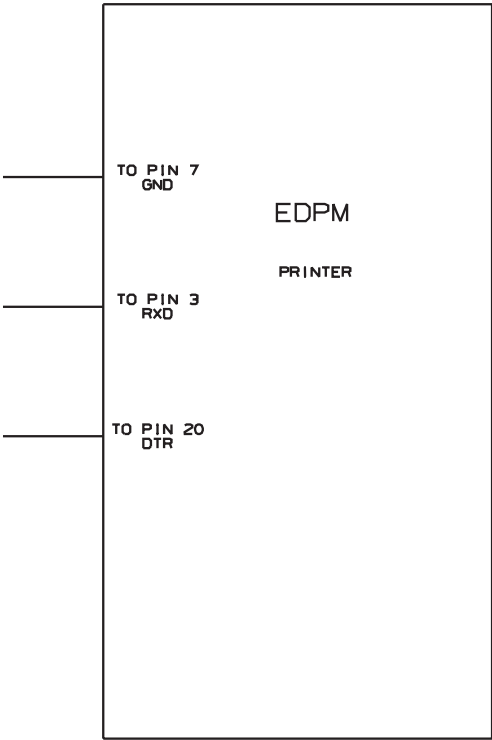
PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

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W6W28SPL
950668

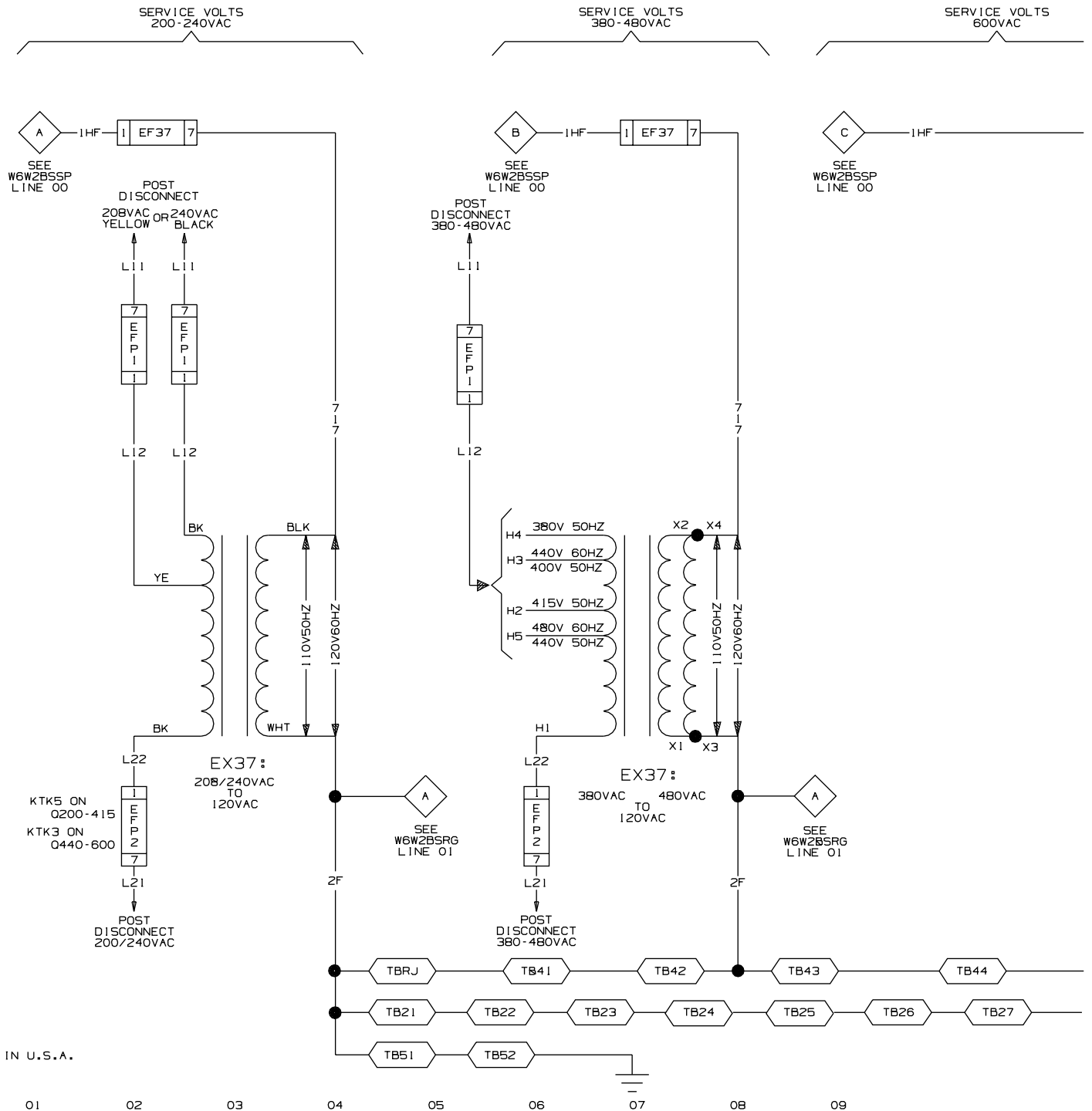


WG2BSP1

SCHEMATIC: PRINTER WIRING

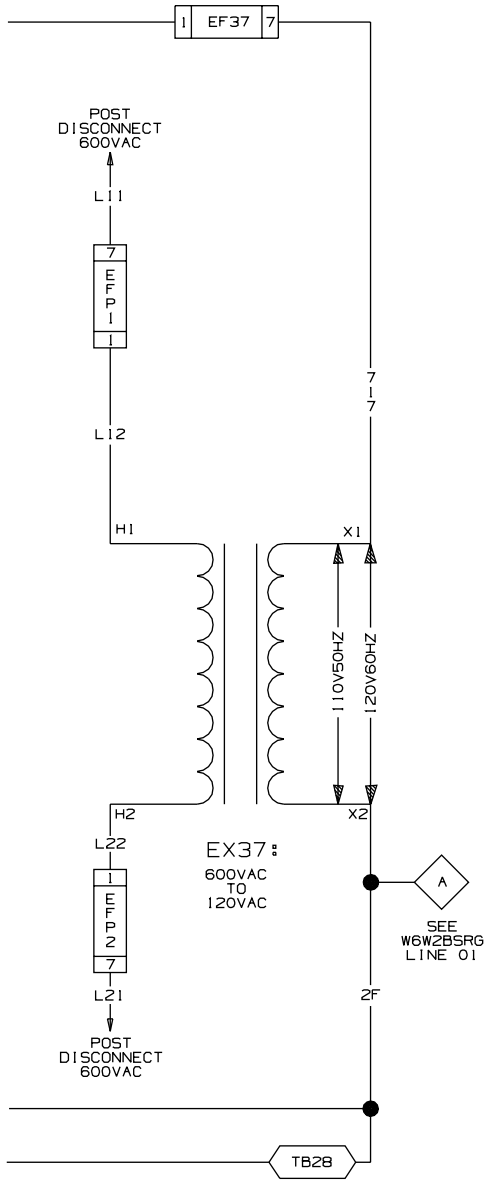
PELLERIN MILNOR CORPORATION

CONTROL CIRCUIT POWER



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09



NOTES:

1. TB4 (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.

W6W2BSPS

MICRO 6 SYSTEMS SERIAL CONTROLS

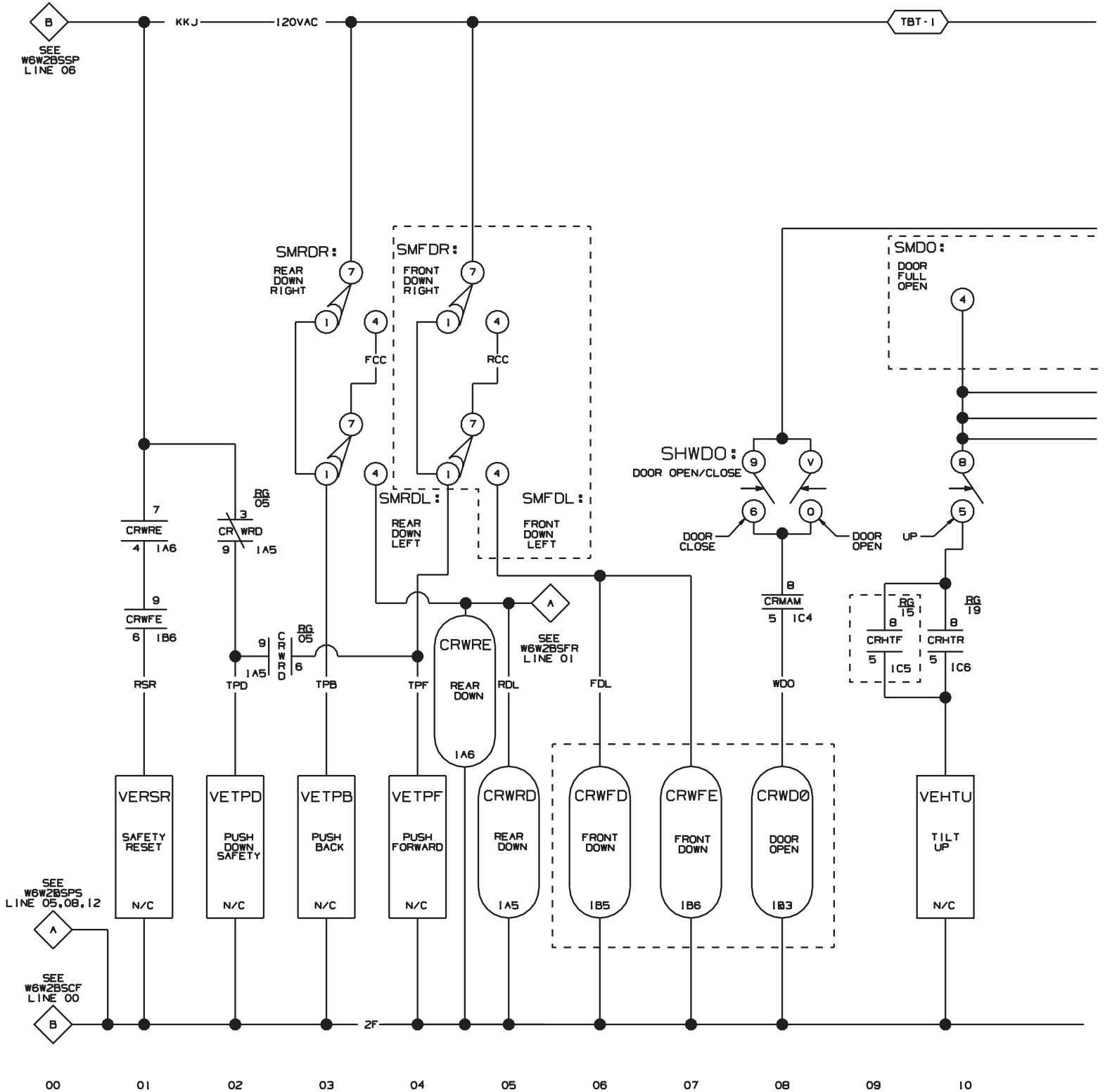
MARK III

SCHEMATIC: SOURCE 110V1P50HZ/120V1P60HZ

CONTROL CIRCUIT POWER

PELLERIN MILNOR CORPORATION

S*09	S*09	FRO9	RG13	RG12
RG15	RG18			
RG02	RG03			
	RG12			



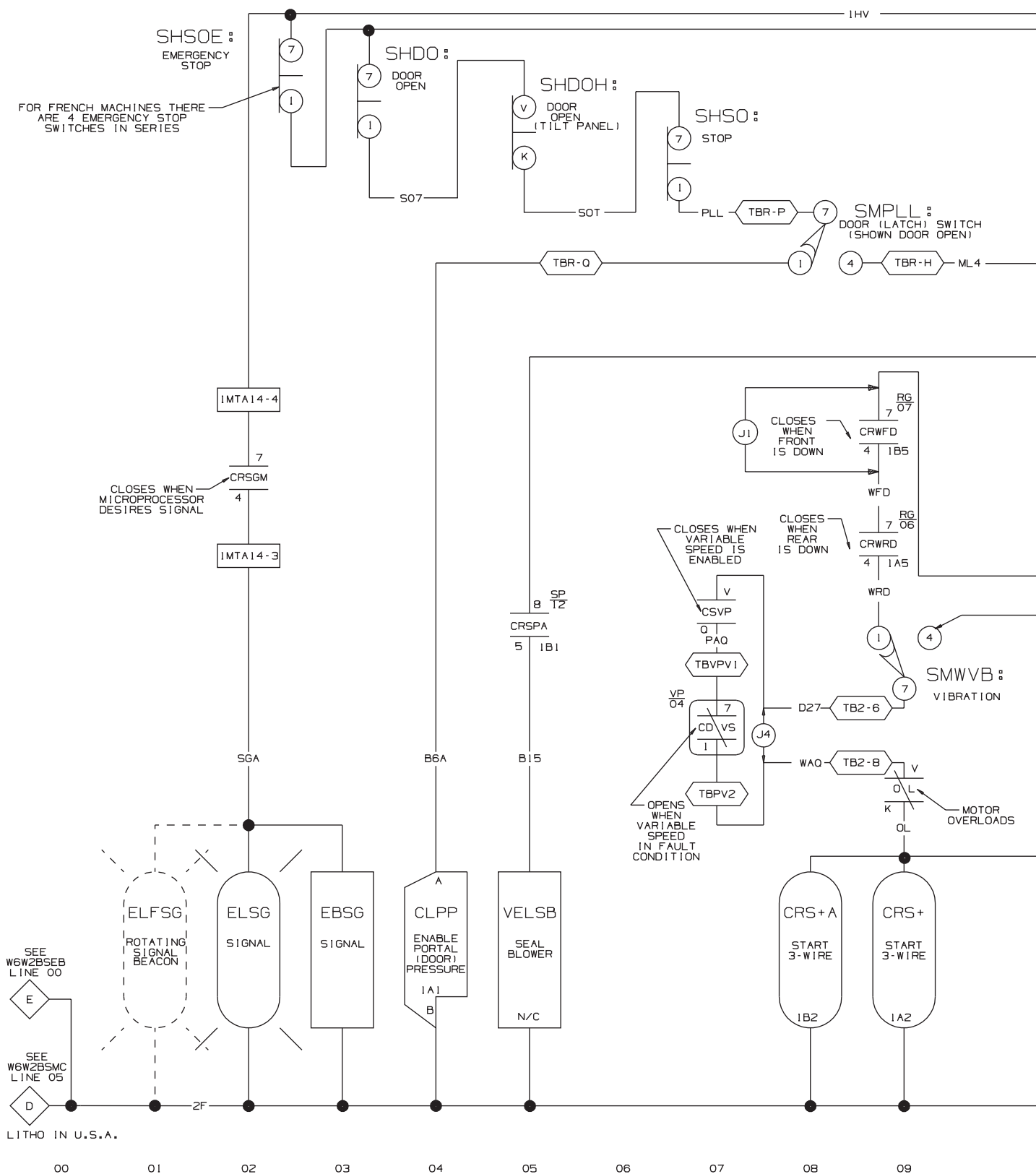


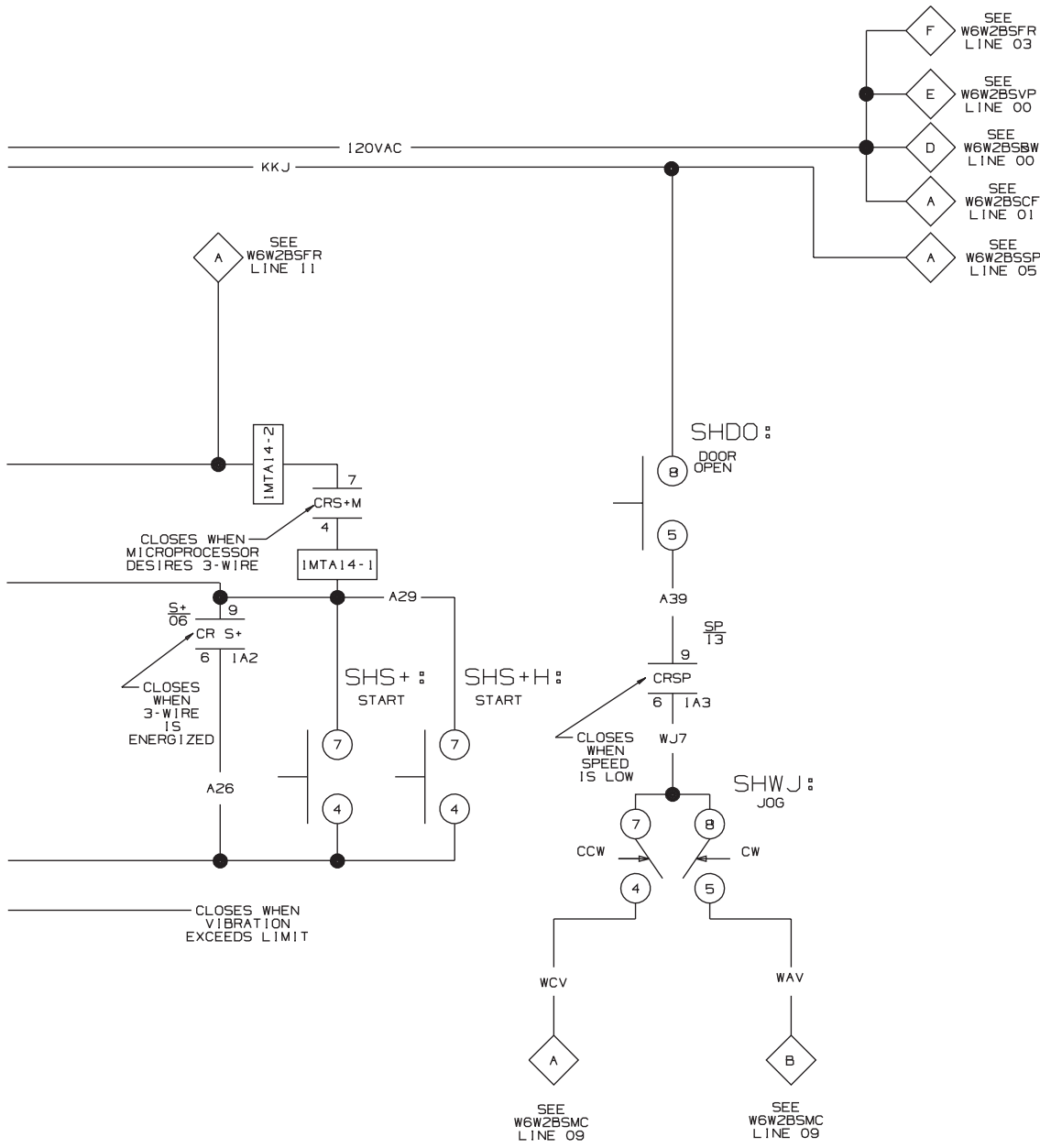
- NOTES:
1. REMOVE (J1) (J2) (J3) (J4) (J5)
FOR TILT TWO WAYS
2. COMPONENTS IN DOTTED LINES
DO NOT EXIST ON TILT ONE
WAY MACHINES.

SP01
1207

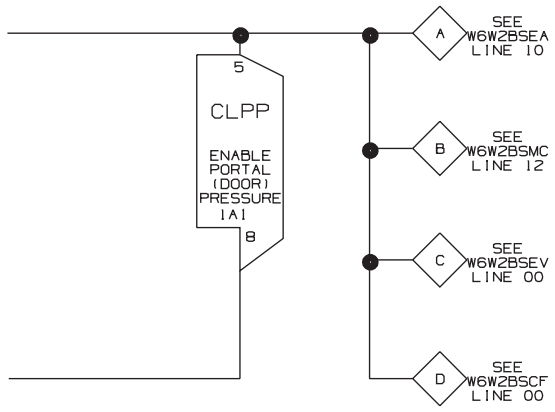
RG10 RG01
SP02 SP07

RG11
105
RG08





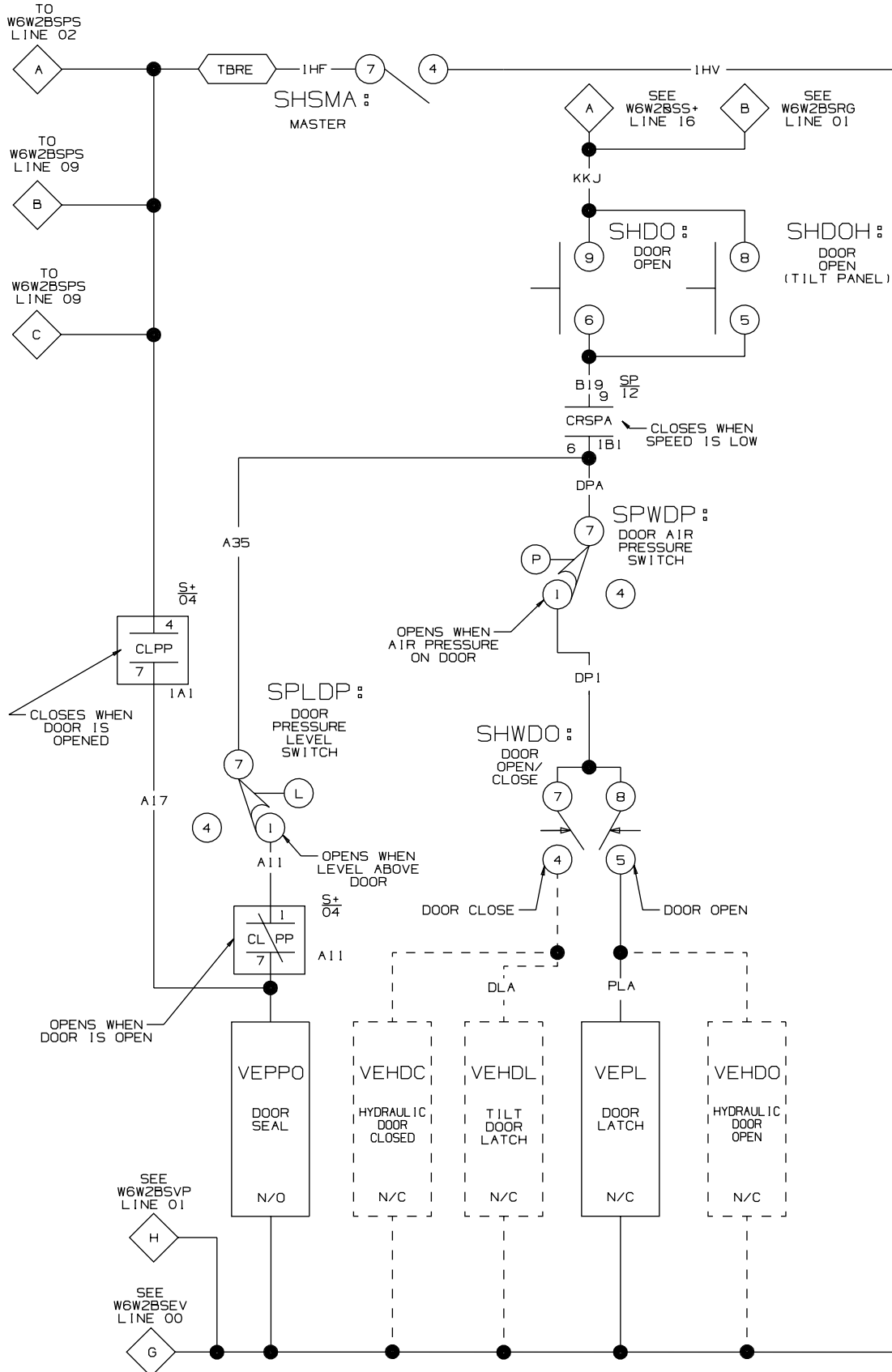
W6W2BSS+ MICRO 6 SYSTEMS SERIAL CONTROLS MARK III SCHEMATIC: START CIRCUIT 110V1P50HZ/120V1P60HZ PELLERIN MILNOR CORPORATION



- NOTES:
1. REMOVE (J4) FOR VARIABLE SPEED OPTION.
 2. REMOVE (J1) FOR TILT 2WAY MACHINES

10 11 12 13 14 15 16 17

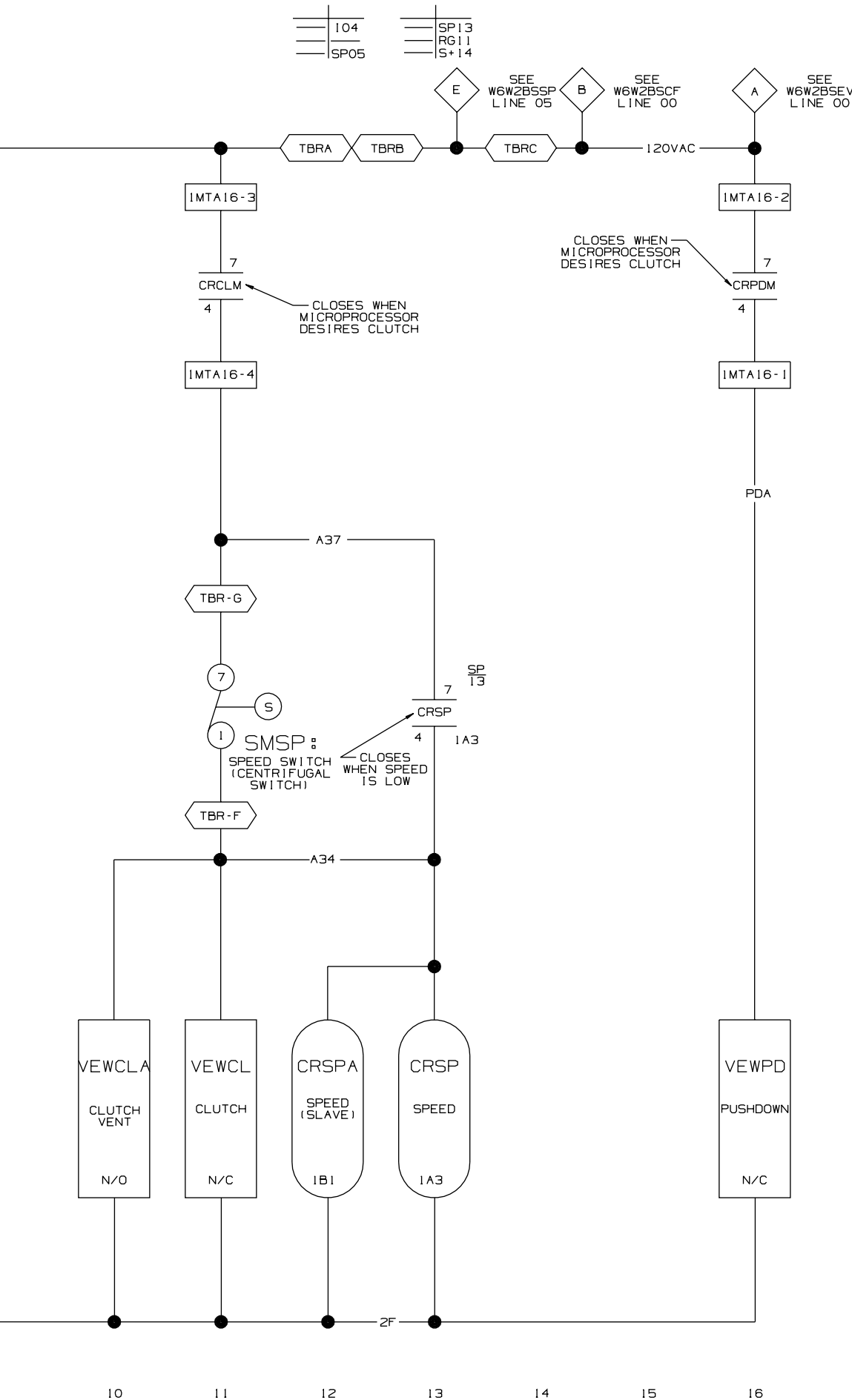
104	SP06
SG13	SP13
S+04	S+08



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09

W6W2BSP
98441B



W6W2BSSP

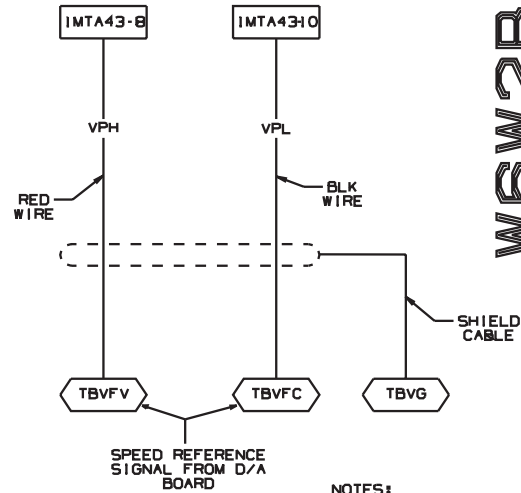
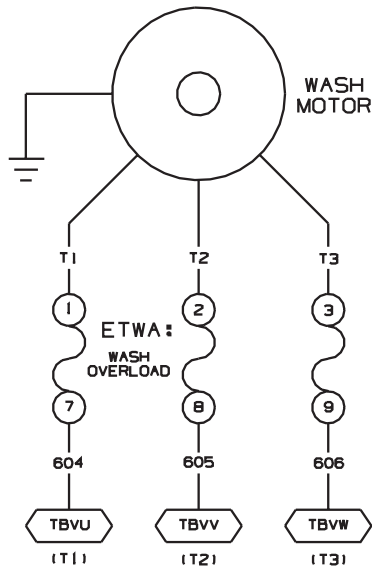
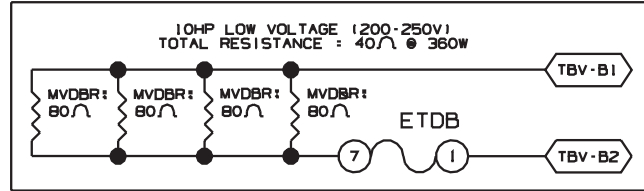
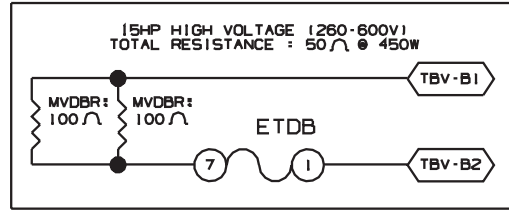
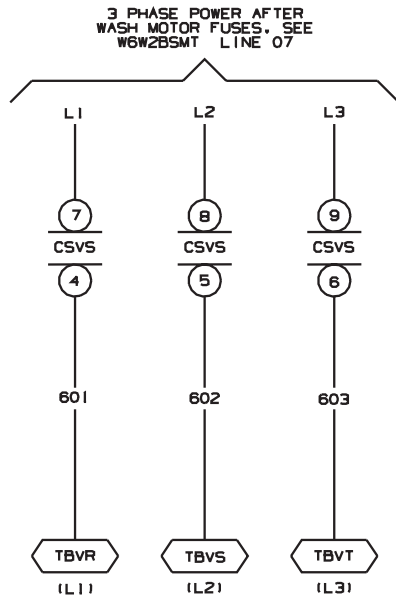
MICRO 6 SYSTEMS SERIAL CONTROLS MARK III

SCHEMATIC: SPEED, DOOR CIRCUITS, & MASTER SWITCH

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

NOTES:

1. TBR IS LOCATED IN LOW VOLTAGE CONTROL BOX.



NOTES:

1. TBV IS LOCATED IN VARIABLE SPEED CONTROLLER BOX ON VARIABLE SPEED CONTROLLER.
2. TBVP IS LOCATED IN VARIABLE SPEED CONTROLLER BOX.
3. IMTA43 IS LOCATED ON BDA-1 (DIGITAL TO ANALOG BOARD).

NOTES:
SHIELD IS ONLY CONNECTED ON ONE SIDE

W6W2BSVPA

MARK III

SCHEMATIC: OPTIONAL 505 VARIABLE SPEED CONTROLLER

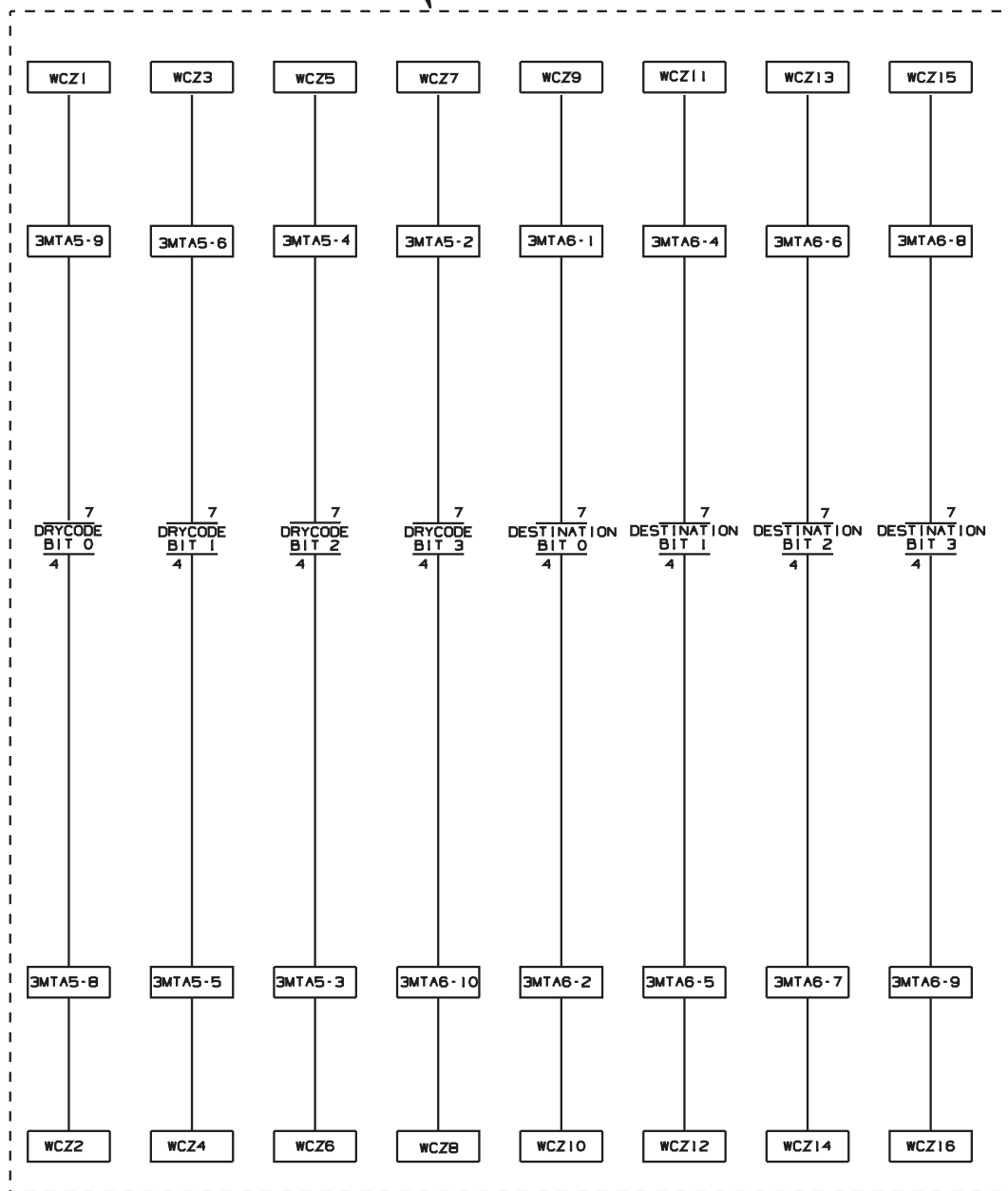
PELLERIN MILNOR CORPORATION

Section

1

Automatic Loading / Unloading Schematics

ALLIED
DATA PASS
OPTION



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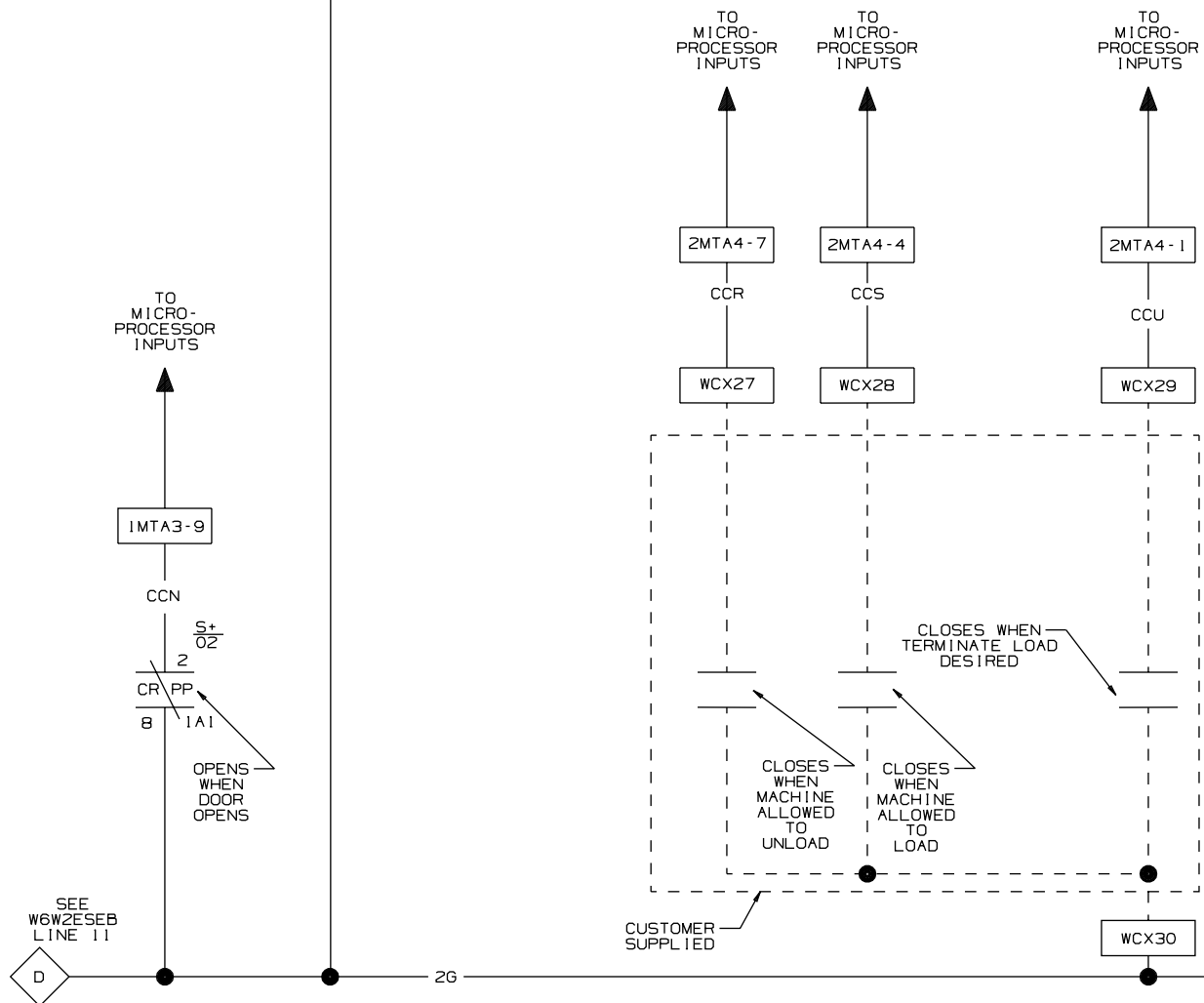
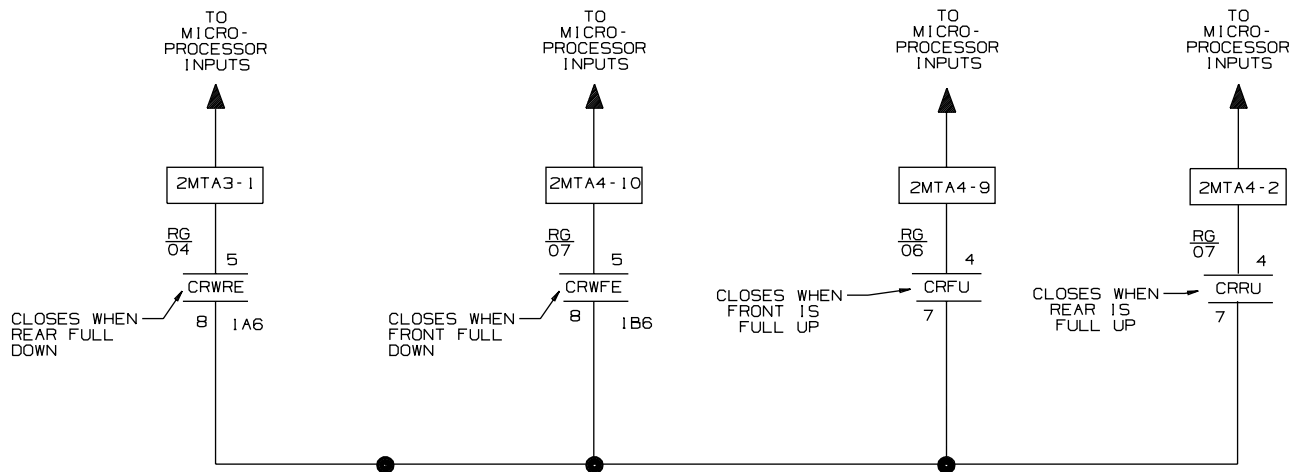
16

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WG2BADP
SCHEMATIC: ALLIED DISCHARGE
PELLERIN MILNOR CORPORATION



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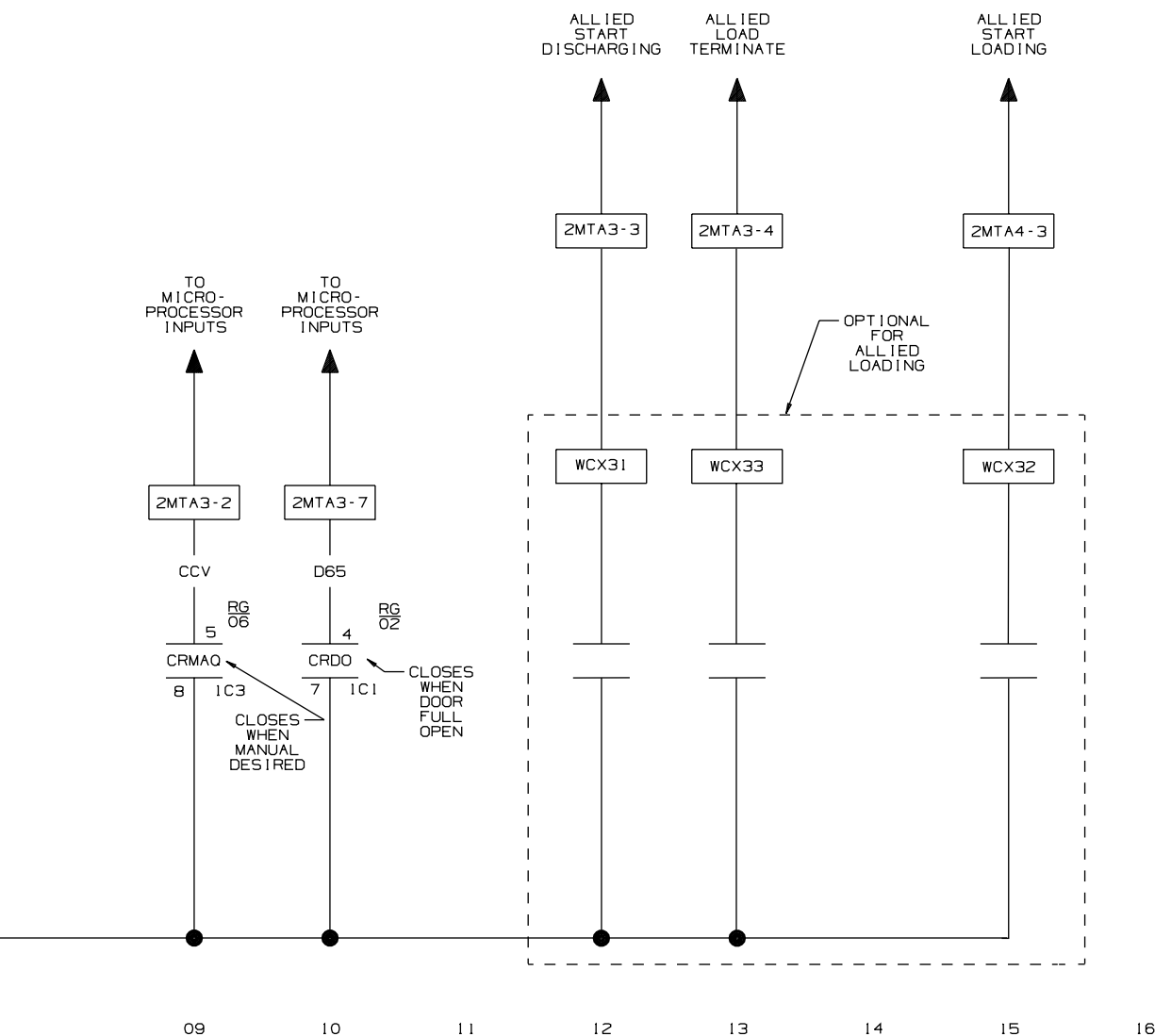
08

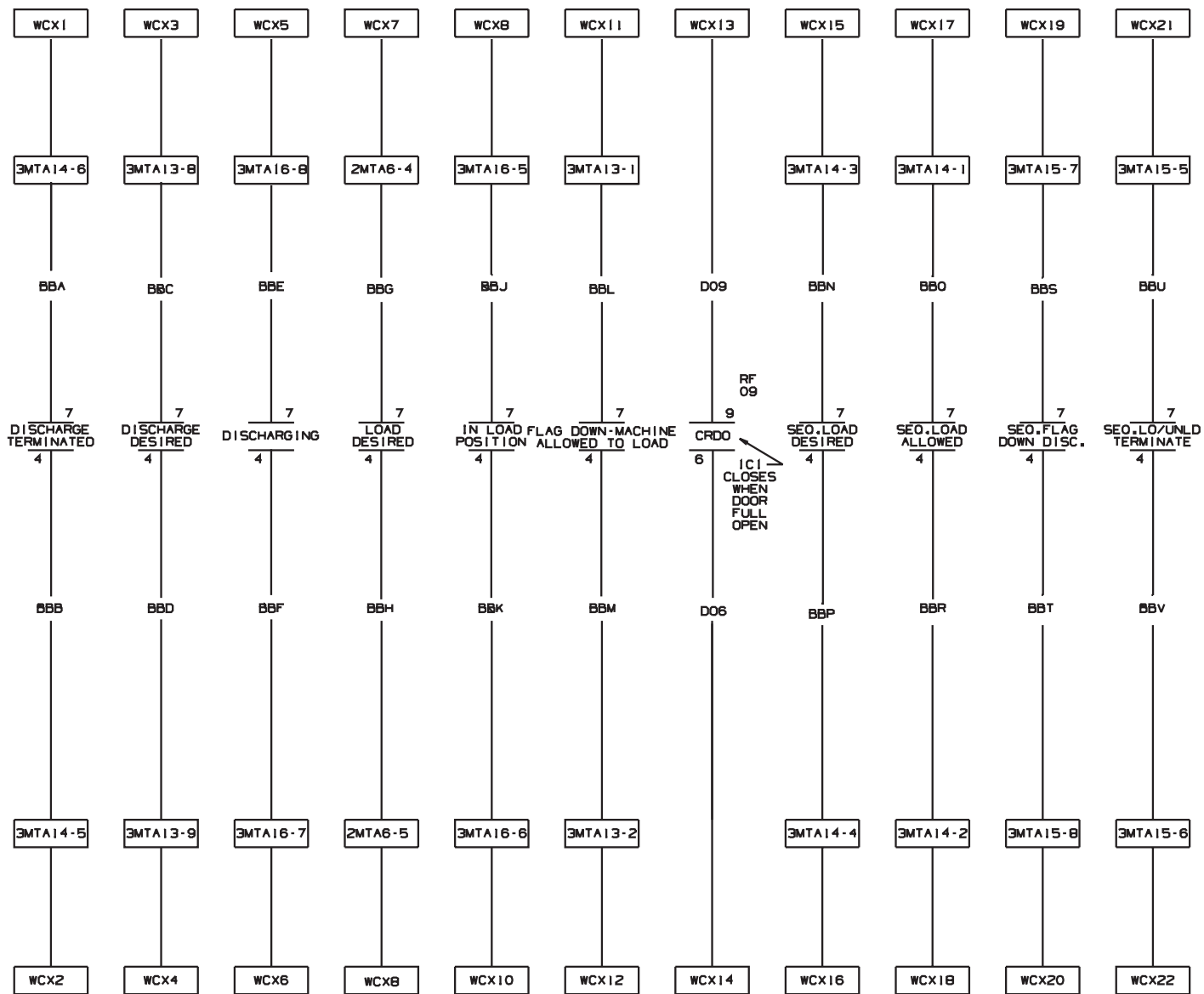
W6W2BA13

MICRO 6 SYSTEMS SERIAL CONTROLS MARK III WTB+

SCHEMATIC: MICROPROCESSOR INPUTS AUTOMATIC LOADING

PELLERIN MILNOR CORPORATION





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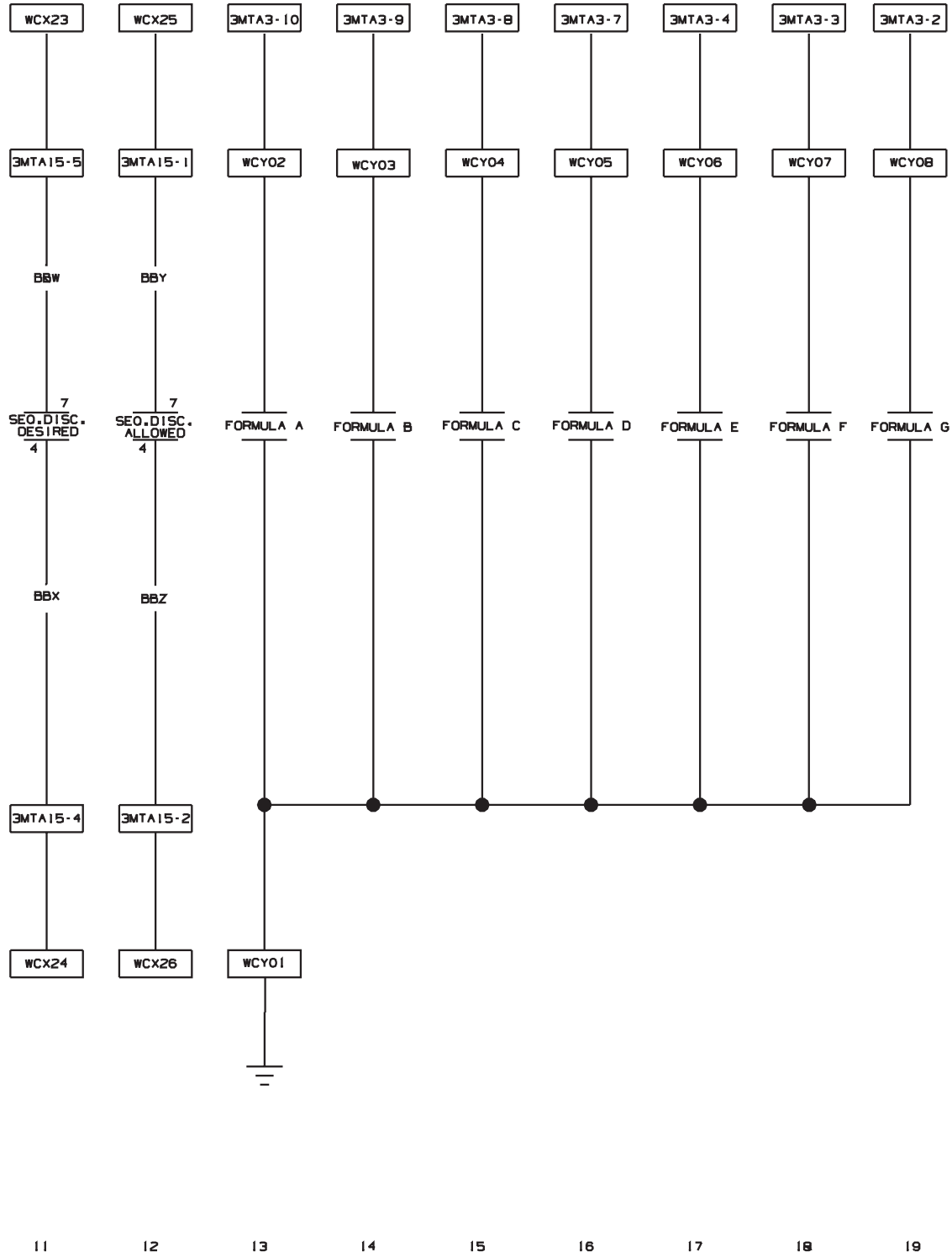
06

07

08

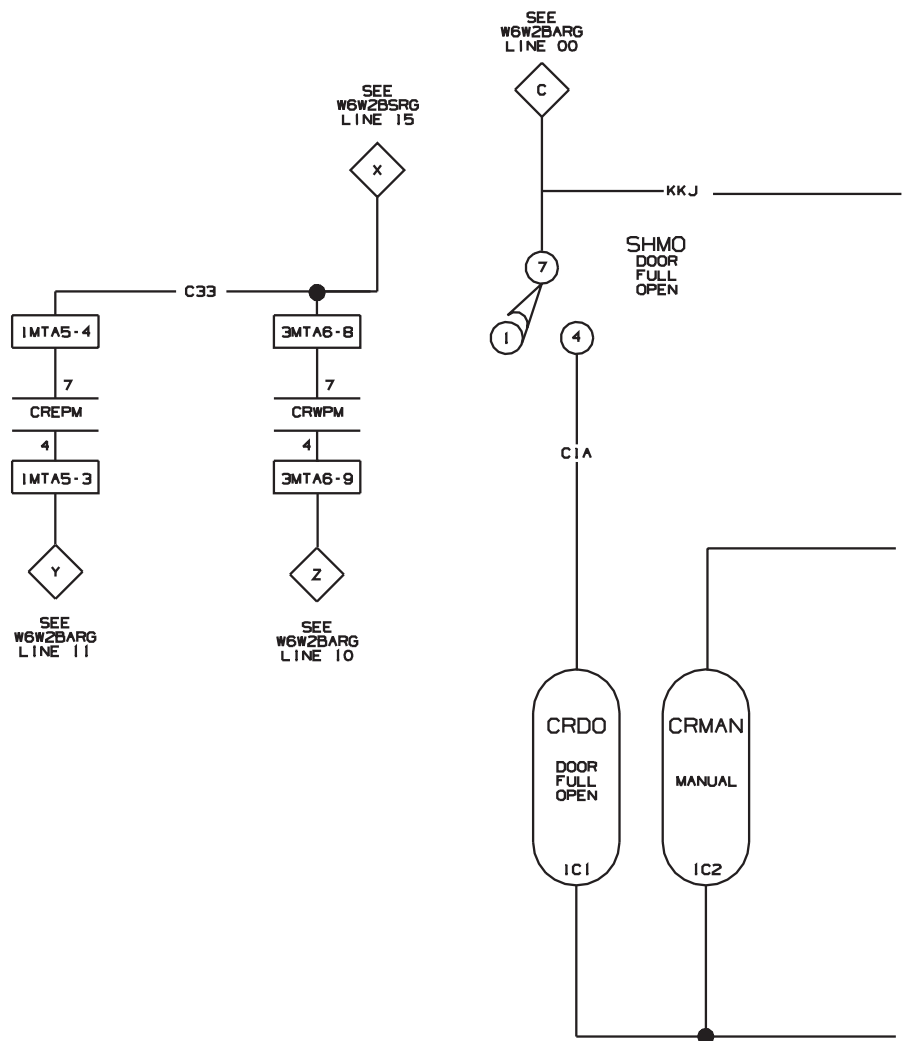
09

10



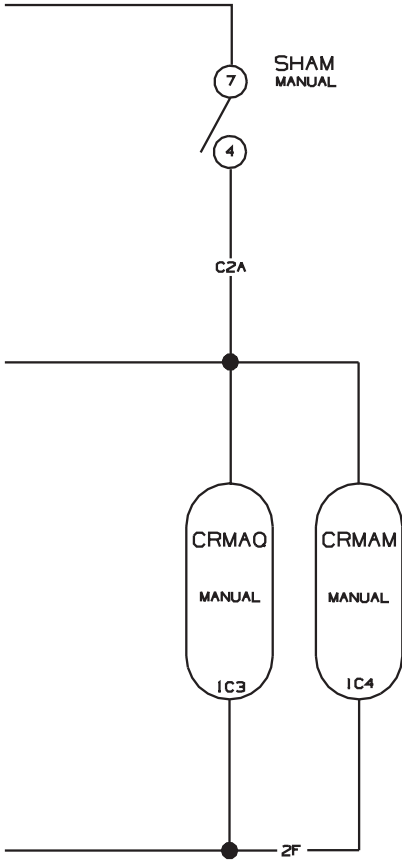
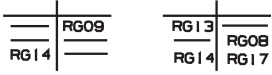
W6W2BALA
 MICRO 6 SYSTEMS SERIAL CONTROLS
 MARK III WTB+
 SCHEMATIC: AUTOMATIC LOADING OUTPUTS
 PELLERIN MILNOR CORPORATION

SP05	SP08
	SP14
SP03	SP08



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10



11 12 13 14 15 16 17

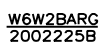
W6W2BARF

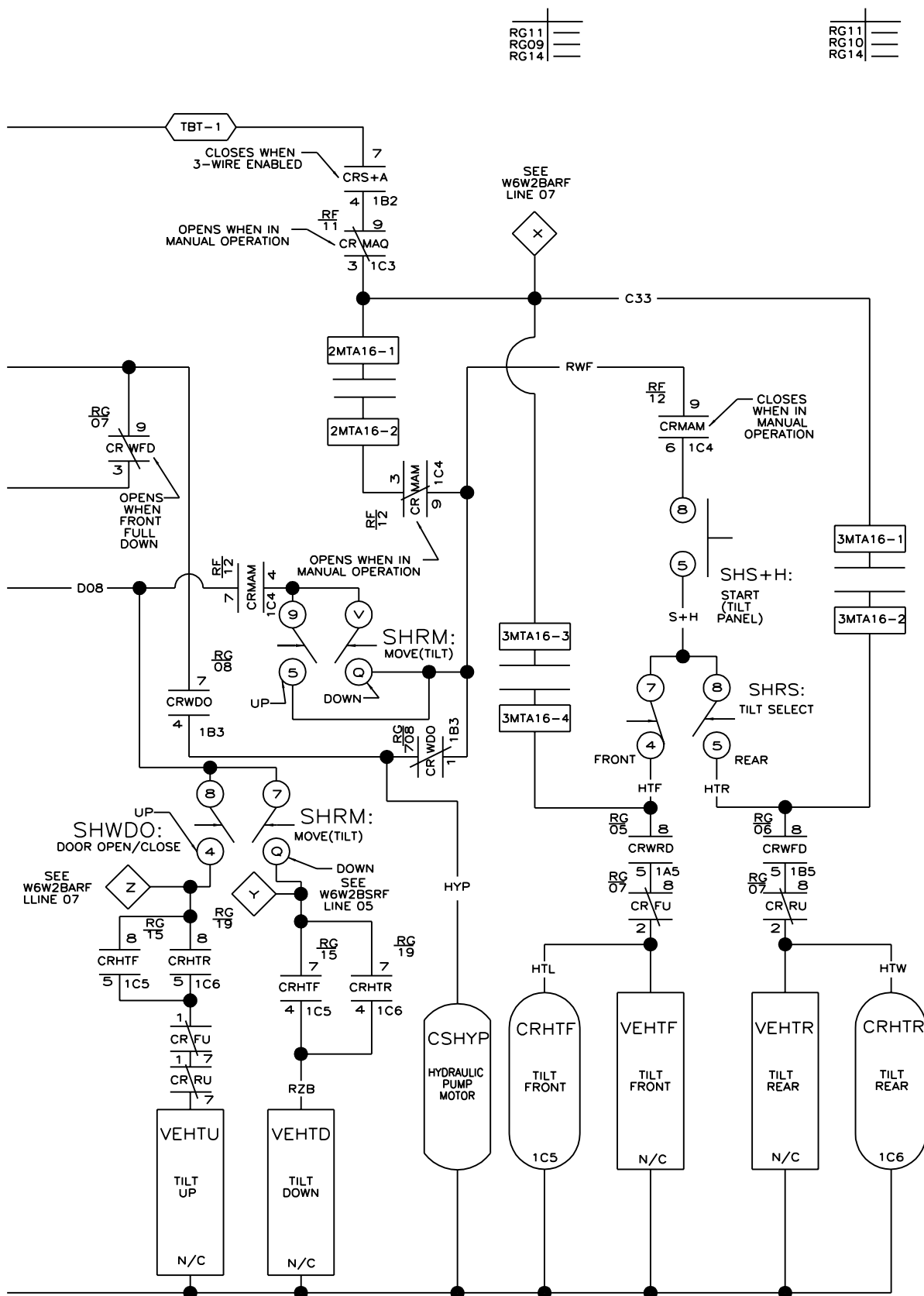
MICRO 6 SYSTEMS SERIAL CONTROLS

MARK III WITH WT_B+

SCHEMATIC: WT_B+ CONTROLS

PELLERIN MILNOR CORPORATION





W6W2BARG
MICRO SYSTEMS SERIAL CONTROLS
MARK III
SCHEMATIC: RAISE HOUSE (HYDRAULIC)
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

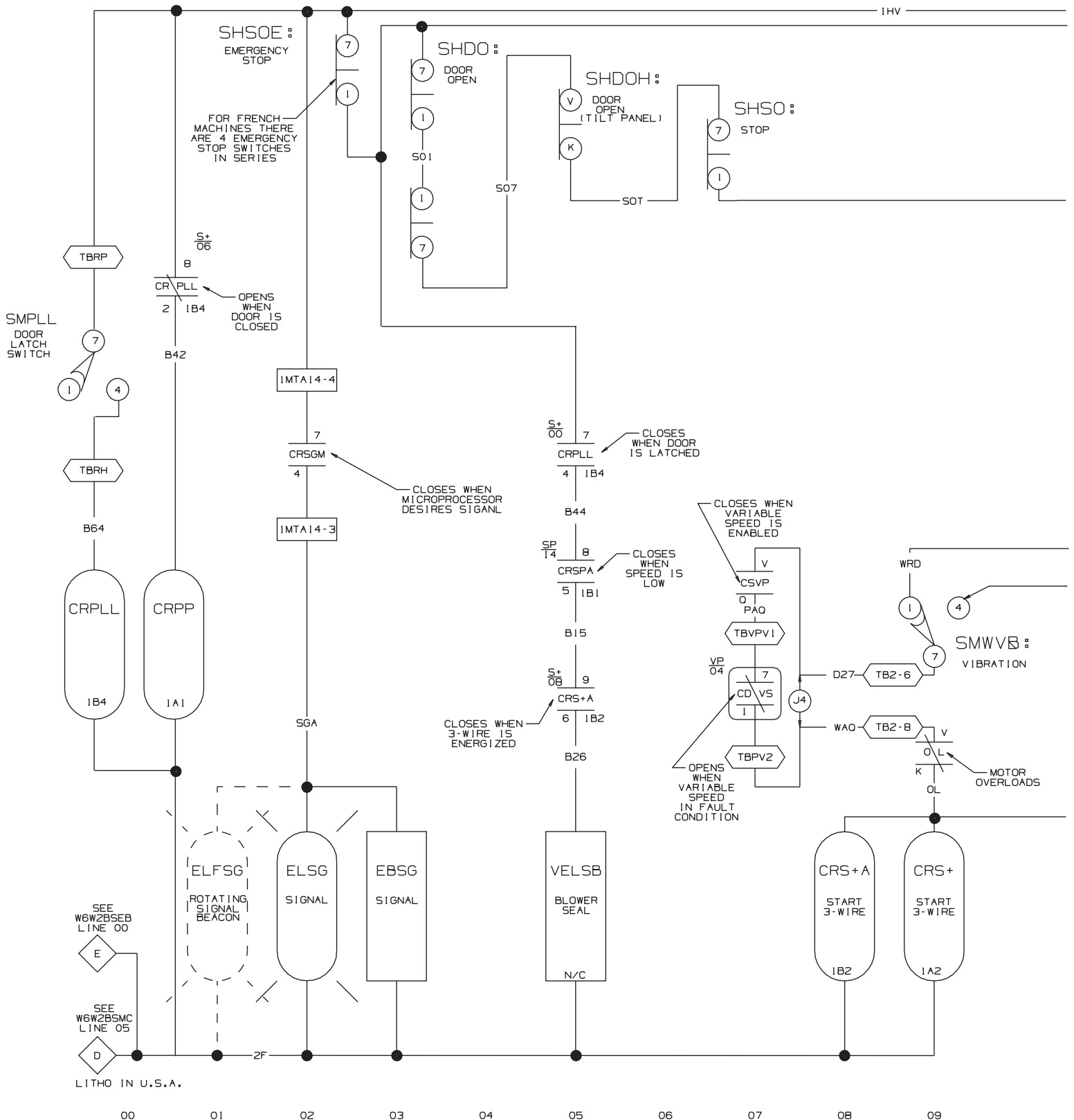
NOTES:
REPLACES W6W2BSRG
FOR WT6+ CONTROLS

S+01

SP01	SP02
------	------

RG10	RG01
SP02	SP07

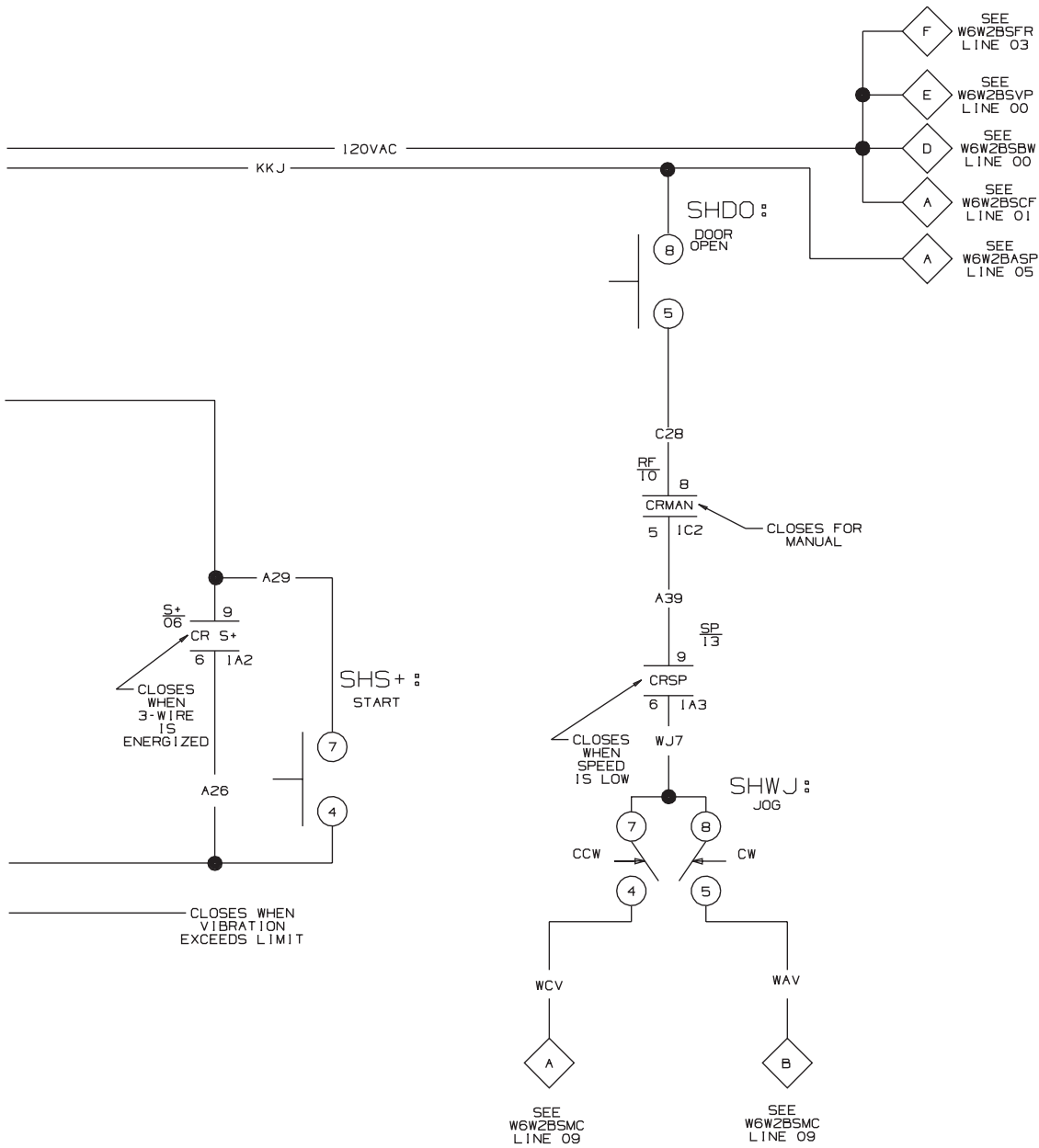
RG11	105
	RG08



SEE W6W2BSEB LINE 00

SEE W6W2BSMC LINE 05

LITHO IN U.S.A.



W6W2BAS+

MICRO 6 SYSTEMS SERIAL CONTROLS MARK III

SCHEMATIC: START CIRCUIT

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

NOTES:

1. REMOVE (J4) FOR VARIABLE SPEED OPTION.
2. REMOVE (J1) FOR TILT 2WAY MACHINES
3. REPLACES W6W2BSS+ FOR WTB+ CONTROLS

10 11 12 13 14 15 16 17





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