

Published Manual Number/ECN: ME6HWEEESCE/2012244A

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

Schematic/Electrical Parts— 64040, 64046, and 64050 E6N 72046 and 58 E5N Tilt Washer-Extractor Mark V Controls

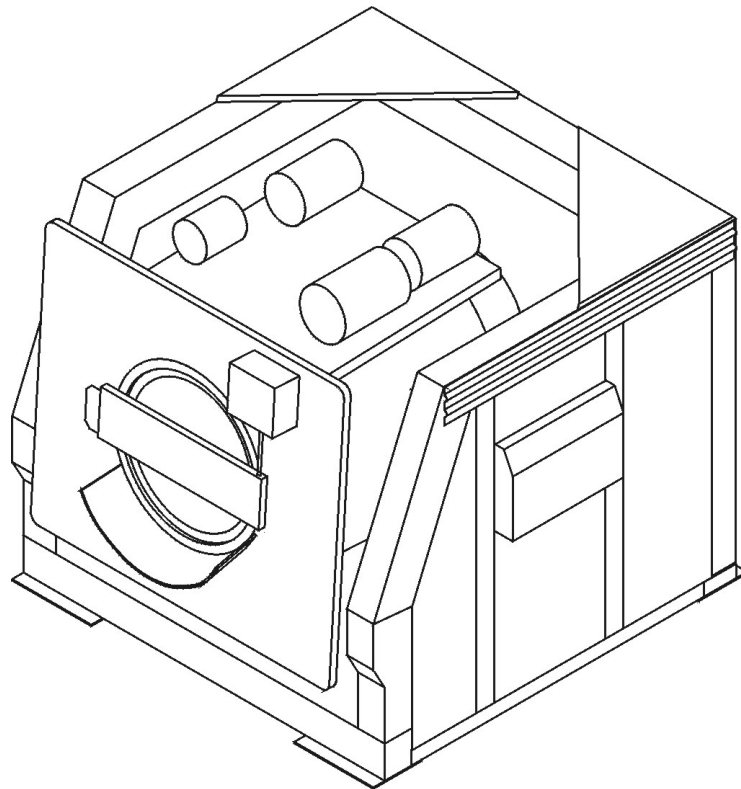


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COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
01	DETAIL-HIGH VOLTAGE CONTROL BOX	W6W5ESTG1	B2TAG97045	TAG:E-SERIES HI VOLT C-BX	SEE FUNCTION
02	DETAIL-LOW VOLTAGE CONTROL BOX	W6W5ESTG1	B2TAG97047	TAG:E-SERIES LO VOLT C-BX	SEE FUNCTION
03	DETAIL-E-SERIES W/E BOARDS	W6W5ESTG2	B2TAG97064	TAG:E-SERIES W/E BOARDS	SEE FUNCTION
04	DETAIL-186 PROCESSOR BOX	W6W5ESTG2	B2TAG96001	TAG:186 PROCESSOR BOX	SEE FUNCTION
AC	>>ACCELEROMETERS				
ACBA	ACCELEROMETER-BALANCE	W6W5E1EC	30K205B	ACELROMETR 0-2G IC. SEN#3145-002	DOOR LATCH
ACBA	ACCELEROMETER-BALANCE	W6W5ESEC	30K205B	ACELROMETR 0-2G IC. SEN#3145-002	DOOR LATCH
BA	>>PRINTED CIRCUIT BOARDS				
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6W5E1BW	08BSADCT	BD:SERIAL A-D CONVERT->TEST	LOW VOLT BOX
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6W5ESBW	08BSADCT	BD:SERIAL A-D CONVERT->TEST	LOW VOLT BOX
BBAD-1	BOARD-BALANCE A TO D CONVERTER	W6W5E1EC	08BSBADCT	SERIAL BALANCE A-D BD-TEST	LOW VOLT BOX
BBAD-1	BOARD-BALANCE A TO D CONVERTER	W6W5ESEC	08BSBADCT	SERIAL BALANCE A-D BD-TEST	LOW VOLT BOX
BBB-1	BOARD-MEMORY BATTERY BACKUP	W6W5E1BW	08BSBB1T	BOARD: SER BATT BACKUP-TEST	PROCESSOR BX
BBB-1	BOARD-MEMORY BATTERY BACKUP	W6W5ESBW	08BSBB1T	BOARD: SER BATT BACKUP-TEST	PROCESSOR BX
BDA-1	BOARD-DIGITAL TO ANALOG CONVERTOR	W6W5E1BW	08BSDACT	BD:SERIAL D-A CONVERTR->TEST	LOW VOLT BOX
BDA-1	BOARD-DIGITAL TO ANALOG CONVERTOR	W6W5ESBW	08BSDACT	BD:SERIAL D-A CONVERTR->TEST	LOW VOLT BOX
BIO-1	BOARD-8OUTPUT/16INPUT #1(HI SPD)	W6W5E1BW	08BS16CHT	BD: 8OUT-16IN HIGH SPD->TESTD	LOW VOLT BOX
BIO-1	BOARD-8OUTPUT/16INPUT #1(HI SPD)	W6W5ESBW	08BS16CHT	BD: 8OUT-16IN HIGH SPD->TESTD	LOW VOLT BOX
BLB	BOARD-LEVEL RECEIVER/TRANSDUCER	W6W5E1EC	08BNLT	LEVEL TRANSDUCER BD->TEST	LOW VOLT BOX
BLB	BOARD-LEVEL RECEIVER/TRANSDUCER	W6W5ESEC	08BNLT	LEVEL TRANSDUCER BD->TEST	LOW VOLT BOX
BO24-1	BOARD-24 OUTPUT #1	W6W5E1BW	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BO24-1	BOARD-24 OUTPUT #1	W6W5ESBW	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BO24-2	BOARD-24 OUTPUT #2	W6W5E1BW	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BO24-2	BOARD-24 OUTPUT #2	W6W5ESBW	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BPB	BOARD-MICROPROCESSOR	W6W5E1BW	08BSPE2T	PROC BD+FP->TEST	PROCESSOR BX
BPB	BOARD-MICROPROCESSOR	W6W5ESBW	08BSPE2T	PROC BD+FP->TEST	PROCESSOR BX
BRS2	BOARD:SPEED SENSING	W6W5E1BW	08BNDSRAT	BD:DRY SAFETY ROTATION->TEST	LOW VOLT BOX
CD	>>RELAY-TIME DELAY				
CDVS	DELAY-VARIABLE SPEED FAULT	W6W5E1VP	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	INVERTER BOX
CDVS	DELAY-VARIABLE SPEED FAULT	W6W5ESVP	09CF007537	TDR F7.5S 2PDT 11PIN 120V60C	VARI SPD BOX
CDWA	DELAY-CCW WASH	W6W5E1VP	09CF001037	TDR F1S 2PDT 11PIN 120V60C	INVERTER BOX
CDWA	DELAY-CCW WASH	W6W5ESVP	09CF001037	TDR F1S 2PDT 11PIN 120V60C	VARI SPD BOX
CDWC	DELAY-CW-WASH	W6W5E1VP	09CF001037	TDR F1S 2PDT 11PIN 120V60C	INVERTER BOX

COMPONENT PARTS LIST

<u>COMPONENT</u>	<u>FUNCTION OF</u>	<u>WHERE TO FIND</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
<u>NUMBER</u>	<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
CDWC	DELAY-CW-WASH	W6W5ESVP	09CF001037	TDR F1S 2PDT 11PIN 120V60C	VARI SPD BOX
CDX	DELAY-HYD DOOR OPEN	W6W5E1SP	09CF001037	TDR F1S 2PDT 11PIN 120V60C	DRYEL ASSBLY
CDX	DELAY-HYD DOOR OPEN	W6W5EASPD	09CF001037	TDR F1S 2PDT 11PIN 120V60C	DRYEL ASSBLY
CDX	DELAY-HYD DOOR OPEN	W6W5ESSP	09CF001037	TDR F1S 2PDT 11PIN 120V60C	DRYEL ASSBLY
CL	>>RELAY-LATCH				
CLPP	LATCH-ENABLE DOOR PRESSURE	W6W5E1S+	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLPP	LATCH-ENABLE DOOR PRESSURE	W6W5E1S+A	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLPP	LATCH-ENABLE DOOR PRESSURE	W6W5ESS+	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CLPP	LATCH-ENABLE DOOR PRESSURE	W6W5ESS+A	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	LOW VOLT BOX
CR	>>RELAY-PILOT OR CONTROL				
CRC01	RELAY-CHEM INTERPERT #1	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC02	RELAY-CHEM INTERPERT #2	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC03	RELAY-CHEM INTERPERT #3	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC04	RELAY-CHEM INTERPERT #4	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC05	RELAY-CHEM INTERPERT #5	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC06	RELAY-CHEM INTERPERT #6	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC07	RELAY-CHEM INTERPERT #7	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC08	RELAY-CHEM INTERPERT #8	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC09	RELAY-CHEM INTERPERT #9	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC10	RELAY-CHEM INTERPERT #10	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC11	RELAY-CHEM INTERPERT #11	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC12	RELAY-CHEM INTERPERT #12	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC13	RELAY-CHEM INTERPERT #13	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC14	RELAY-CHEM INTERPERT #14	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRC15	RELAY-CHEM INTERPERT #15	W6W5ESCP	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRDD	RELAY-DRYEL DOWN	W6W5EALAD	09C024D37	4PDT "KH" 110/120V	INT RELAY BX
CRDLL	RELAY-DRYEL UP LOCKED	W6W5EALAD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRDO	RELAY-DOOR OPEN	W6W5E1IRGC	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRDO	RELAY-DOOR FULLY OPEN	W6W5EARGA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRDO	RELAY-DOOR FULLY OPEN	W6W5EARGE	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CRDO	RELAY-DOOR OPEN	W6W5ESRGA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX
CREXA	RELAY-AMPS/SAVER AMPS O.K.	W6W5ESEA	09C024D24	RELAY 4PDT DIFGLD 14PIN 24V	LOW VOLT BOX
CRFD	RELAY-TILT FULLY DOWN	W6W5E1IRGC	09C024D37	4PDT "KH" 110/120V	LOW VOLT BOX

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CRS+B	RELAY-3-WIRE	W6W5ESEA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSA	RELAY-LOADING SEQUENCE	W6W5ESMCA	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSP	RELAY-SPEED IS SLOW	W6W5E1SP	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSP	RELAY-SPEED IS SLOW	W6W5EASP	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSP	RELAY-SPEED IS SLOW	W6W5EASPD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSPA	RELAY-SPEED IS SLOW	W6W5ESSP	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSPA	RELAY-SPEED IS SLOW	W6W5E1SP	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSPA	RELAY-SPEED IS SLOW	W6W5EASP	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSPA	RELAY-SPEED IS SLOW	W6W5EASPD	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CRSPA	RELAY-SPEED IS SLOW	W6W5ESSP	09C024D37	4PDT "KH" 110/120V	LOW VOLT BX
CS	>>CONTACTOR-MOTOR STARTER				
CSDR-HI VOLT	CONTACTOR-DRAIN MOTOR 346-600V	W6W5ESMC	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSDR-HI VOLT	CONTACTOR-DRAIN MOTOR 346-600V	W6W5ESMCA	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSDR-LOW VOLT	CONTACTOR-DRAIN MOTOR 200-240V	W6W5ESMC	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSDR-LOW VOLT	CONTACTOR-DRAIN MOTOR 200-240V	W6W5ESMCA	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE1-HI VOLT	CONTACTOR-E1 MOTOR 346-600V	W6W5ESMC	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE1-HI VOLT	CONTACTOR-E1 MOTOR 346-600V	W6W5ESMCA	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE1-LOW VOLT	CONTACTOR-E1 MOTOR 200-240V	W6W5ESMC	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE1-LOW VOLT	CONTACTOR-E1 MOTOR 200-240V	W6W5ESMCA	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE2-HI VOLT	CONTACTOR-E2 MOTOR 346-600V	W6W5ESMC	09MC08L337	60A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE2-HI VOLT	CONTACTOR-E2 MOTOR 346-600V	W6W5ESMCA	09MC08L337	60A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE2-LOW VOLT	CONTACTOR-E2 MOTOR 200-240V	W6W5ESMC	09MC08N337	72A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSE2-LOW VOLT	CONTACTOR-E2 MOTOR 200-240V	W6W5ESMCA	09MC08N337	72A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-HI VOLT	CONTACTOR-HYDRAULIC PUMP 346-600V	W6W5E1RGB	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-HI VOLT	CONTACTOR-HYDRAULIC PUMP 346-600V	W6W5E1RGC	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-HI VOLT	CONTACTOR-HYDRAULIC PUMP 346-600V	W6W5EARGA	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-HI VOLT	CONTACTOR-HYDRAULIC PUMP 346-600V	W6W5EARGE	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-HI VOLT	CONTACTOR-HYDRAULIC PUMP 346-600V	W6W5ESRG	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-HI VOLT	CONTACTOR-HYDRAULIC PUMP 346-600V	W6W5ESRGA	09MC08D337	23A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-LO VOLT	CONTACTOR-HYDRAULIC PUMP 200-240V	W6W5E1RGB	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-LO VOLT	CONTACTOR-HYDRAULIC PUMP 200-240V	W6W5E1RGC	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-LO VOLT	CONTACTOR-HYDRAULIC PUMP 200-240V	W6W5EARGA	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-LO VOLT	CONTACTOR-HYDRAULIC PUMP 200-240V	W6W5EARGE	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX

COMPONENT PARTS LIST

W6W5ESPL/2009196N

<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>			
CSHYP-LO VOLT	CONTACTOR-HYDRAULIC PUMP 200-240V	W6W5ESRG	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSHYP-LO VOLT	CONTACTOR-HYDRAULIC PUMP 200-240V	W6W5ESRGA	09MC08E337	30A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSVS-HI VOLT	CONTACTOR-VARIABLE SPEED 346-600V	W6W5E1VP	09MC08L337	60A 3P MCS CONT NR 120V5/6	INVERTER BOX
CSVS-HI VOLT	CONTACTOR-VARIABLE SPEED 346-600V	W6W5ESVP	09MC08G337	37A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSVS-LOW VOLT	CONTACTOR-VARIABLE SPEED 200-240V	W6W5E1VP	09MC08N337	72A 3P MCS CONT NR 120V5/6	INVERTER BOX
CSVS-LOW VOLT	CONTACTOR-VARIABLE SPEED 200-240V	W6W5ESVP	09MC08L337	60A 3P MCS CONT NR 120V5/6	HIGH VOLT BX
CSWAA-HI VOLT	CONTACTOR-WASH MOTOR 346-600V	W6W5ESMC	09MR08G337	38A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSWAA-HI VOLT	CONTACTOR-WASH MOTOR 346-600V	W6W5ESMCA	09MR08G337	38A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSWAA-LO VOLT	CONTACTOR-WASH MOTOR 200-240V	W6W5ESMC	09MR08L337	60A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSWAA-LO VOLT	CONTACTOR-WASH MOTOR 200-240V	W6W5ESMCA	09MR08L337	60A 3P REV+2N/C 120V5/6 IEC	HIGH VOLT BX
CSWAC	CONTACTOR-SEE CSWAA FOR PART #	W6W5ESMC		SEE CSWAA FOR PART NUMBER	HIGH VOLT BX
CSWAC	CONTACTOR-SEE CSWAA FOR PART #	W6W5ESMCA		SEE CSWAA FOR PART NUMBER	HIGH VOLT BX
EB	>>BUZZER OR AUDIBLE SIGNAL				
EBSG	BUZZER-SIGNAL AUDIBLE	W6W5E1S+	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6W5E1S+A	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6W5EAS+	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6W5EAS+D	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6W5ESS+	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6W5ESS+A	09H015	BUZZER 115V W/6-32 CRT+6" LEADS	SWITCH PANEL
ED	>>DISPLAY-ELECTRONIC				
EDM	DISPLAY-MICROPROCESSOR	W6W5ESD	08BSEVFD5V	BDSER VFD 2LINE-19200B-TEST	SWITCH PANEL
EDP	>>PRINTER-ELECTRONIC				
EDPM	PRINTER-MICROPROCESSOR	W6W5ESPI	08MPSEREPN	PRINTER - EPSON LX300	REMOTE MOUNT
EF	>>FUSE OR FUSE HOLDER				
EF37	FUSE-120VAC CONTROL CIRCUIT	W6W5ESPS	09FF006AMA	FUSE BK/ABC 6 AMP 250V BUSS	HIGH VOLT BX
EFP1	FUSE-PRIMARY INCOMING VOLTAGE	W6W5ESPS	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EFP2	FUSE-PRIMARY INCOMING VOLTAGE	W6W5ESPS	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	HIGH VOLT BX
EL	>>LIGHT-PILOT OR INDICATOR				
ELEB1	LIGHT-EXTRACT BALANCE RIB #1	W6W5ESEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEB2	LIGHT-EXTRACT BALANCE RIB #2	W6W5ESEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEB3	LIGHT-EXTRACT BALANCE RIB #3	W6W5ESEB	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEBK	LIGHT-BALANCE EXCURSION	W6W5EI1I	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL
ELEBK	LIGHT-BALANCE EXCURSION	W6W5ESI1	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	BALANCE SWPL

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>			
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W5E1S+	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W5E1S+A	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W5EAS+	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W5EAS+D	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W5ESS+	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELFSG	LIGHT-ROTATION SIGNAL BEACON	W6W5ESS+A	09H025V37	BEACON ROT.120V 5.5"DIA AMB #MV110	FRONT OF MCH
ELSG	LIGHT-SIGNAL VISUAL	W6W5E1S+	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6W5E1S+A	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6W5EAS+	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6W5EAS+D	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6W5ESS+	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6W5ESS+A	09J060WH37	LAMP 1/2" WH 120 TAB IDI1050QC4	SWITCH PANEL
EM	>>ELECTROMAGNET AND SOLENOID				
EMCF	FAN-INVERTER COOLING	W6W5E1VP	13AF100A37	FAN 92CFM115V60 NEWARK #90F6921	INVERTER BOX
EMCF	FAN-INVERTER COOLING	W6W5ESVP	13AF100A37	FAN 92CFM115V60 NEWARK #90F6921	VARI SPD BOX
ES	>>POWER SUPPLY-ELECTRONIC				
ESPS	POWER SUPPLY-120V TO +12,-12,+5V	W6W5E1BW	08PSS3401T	30 WATT POWER SUPPLY TESTED	LOW VOLT BOX
ESPS	POWER SUPPLY-120V TO +12,-12,+5V	W6W5ESBW	08PSS3401T	30 WATT POWER SUPPLY TESTED	LOW VOLT BOX
ET	>>THERMAL OVERLOAD DEVICES				
ET1M-HI VOLT	OVERLOAD-1 MOTOR DRIVE 346-600V	W6W5E1VP	09FTD0230T	MCS OL RELAY ADJ.RANGE 23-75	INVERTER BOX
ET1M-LOW VOLT	OVERLOAD-1 MOTOR DRIVE 200-240V	W6W5E1VP	09FTD0230T	MCS OL RELAY ADJ.RANGE 23-75	INVERTER BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6W5E1VP	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	INVERTER BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6W5ESVP	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	VARI SPD BOX
ETDR	OVERLOAD-DRAIN MOTOR	W6W5ESMT	09FTD0120T	MCS OL RELAY ADJ.RANGE 12-32	HIGH VOLT BX
ETE1	OVERLOAD-LOW EXTRACT MOTOR	W6W5ESMT	09FTD0120T	MCS OL RELAY ADJ.RANGE 12-32	HIGH VOLT BX
ETE2-HI VOLT	OVERLOAD-E2 MOTOR 346-600V	W6W5ESMT	09FTD0121T	MCS OL RELAY ADJ.REANGE 12-37	HIGH VOLT BX
ETE2-LOW VOLT	OVERLOAD-E2 MOTOR 200-240V	W6W5ESMT	09FTD0230T	MCS OL RELAY ADJ.RANGE 23-75	HIGH VOLT BX
ETHYP-HI VOLT	OVERLOAD-HYDRAULIC MOTOR 346-600V	W6W5ESMT	09FTD0120T	MCS OL RELAY ADJ.RANGE 12-32	HIGH VOLT BX
ETHYP-LOW VOLT	OVERLOAD-HYDRAULIC MOTOR 200-240V	W6W5ESMT	09FTD0120T	MCS OL RELAY ADJ.REANGE 12-37	HIGH VOLT BX
ETWA-HI VOLT	OVERLOAD-WASH MOTOR 346-600V	W6W5ESMT	09FTD0121T	MCS OL RELAY ADJ.REANGE 12-37	HIGH VOLT BX
ETWA-HI VOLT	OVERLOAD-WASH MOTOR 346-600V	W6W5ESVP	09FTD0121T	MCS OL RELAY ADJ.REANGE 12-37	VARI SPD BOX
ETWA-LOW VOLT	OVERLOAD-WASH MOTOR 200-240V	W6W5ESMT	09FTD0230T	MCS OL RELAY ADJ.RANGE 23-75	HIGH VOLT BX
ETWA-LOW VOLT	OVERLOAD-WASH MOTOR 200-240V	W6W5ESVP	09FTD0230T	MCS OL RELAY ADJ.RANGE 23-75	VARI SPD BOX

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
EX	>>TRANSFORMERS				
EX37	TRANSFORMER-INCOMING VOLT.120VAC	W6W5ESPS	MESSAGE EW	SEE EX37-1, -2, OR -3 FOR VOLTAGE	HIGH VOLT BX
EX37-1	TRANSFORMER-208/240>120VAC	W6W5ESPS	09U249AA37	XFMR 200-240V PRI/120VSEC/250VA	HIGH VOLT BX
EX37-2	TRANSFORMER-380/480>120VAC	W6W5ESPS	09U200AAB	XFMR 380-480V/240-120V-250VA	HIGH VOLT BX
EX37-3	TRANSFORMER-600->120VAC	W6W5ESPS	09U251AB37	XFMR 600VPRI/120VSC-250VA-3%REG	HIGH VOLT BX
KB	>>KEYBOARD-ELECTRONIC				
KBM	KEYPAD-MICROPROCESSOR	W6W5ESKP	08ND5X6WE	KEYPAD:5X6MATRIX WASHER-EXT	SWITCH PANEL
MT	>>MOTORS				
MTDR	MOTOR-DRAIN	W6W5ESMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTE1	MOTOR-LOW SPEED EXTRACT	W6W5ESMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTE2	MOTOR-HIGH SPEED EXTRACT	W6W5ESMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MTHYD	MOTOR-HYDRAULIC PUMP	W6W5ESMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE BASE
MTWA	MOTOR-WASH	W6W5ESMT	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	DRIVE BASE
MV	>>MOTOR POWER INVERTERS				
MV1M-HI VOLT	INVERTER-SINGLE MOTOR DRIVE 380-460V	W6W5E1VP	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	INVERTER BOX
MV1M-LO VOLT	INVERTER-SINGLE MOTOR DRIVE 200-230V	W6W5E1VP	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	INVERTER BOX
MVDBR	RESISTOR-DYNAMIC BRAKE	W6W5E1VP	09MV100RES	RESIST 100 OHM 225WATT ADJ	INVERTER BOX
MVDBR	RESISTOR-DYNAMIC BRAKE	W6W5ESVP	09MV100RES	RESIST 100 OHM 225WATT ADJ	VARI SPD BOX
MVWA-HI VOLT	INVERTER-WASH MOTOR 380-460V	W6W5ESVP	09MV027A96	VARSPEED 27 AMPS 460V	VARI SPD BOX
MVWA-LO VOLT	INVERTER-WASH MOTOR 200-230V	W6W5ESVP	09MV054A74	VARSPEED 54 AMPS 230V	VARI SPD BOX
PX	>>PROXIMITY SWITCH				
PXBA	PROX SW-BALANCE	W6W5E1EC	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	REAR OF MACH
PXBA	PROX SW-BALANCE	W6W5ESEC	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	REAR OF MACH
PXDO	PROX SW-DOOR OPEN	W6W5EALAD	09RPS30BAS	PRXSW QK CONN 30M NC-AC SHLD	DRYEL ASSBLY
PXEB	PROX SW- ELBOW BLOCK	W6W5EAI2D	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	DRYEL ASSBLY
PXEP	PROX SW- EXTRACT LEVEL	W6W5E1I1	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	SIDE OF MACH
PXEP	PROX SW- EXTRACT LEVEL	W6W5ESI1	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	SIDE OF MACH
PXFD	PROX SW-FULL DOWN	W6W5E1RGB	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFD	PROX SW-FULL DOWN	W6W5E1RGC	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFD	PROX SW-FULL DOWN	W6W5EARGA	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFD	PROX SW-FULL DOWN	W6W5EARGE	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFD	PROX SW-FULL DOWN	W6W5ESRG	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFD	PROX SW-FULL DOWN	W6W5ESRGA	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH

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>
PXFU	PROX SW-FULL UP	W6W5EIRGA	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFU	PROX SW-FULL UP	W6W5EIRGB	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFU	PROX SW-FULL UP	W6W5EARGA	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFU	PROX SW=FULL UP	W6W5EARGE	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFU	PROX SW-FULL UP	W6W5ESRG	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXFU	PROX SW-FULL UP	W6W5ESRGA	09RPS30DAS	PRXSW QK CONN 30M NC-AC SHLD	SIDE OF MACH
PXWP	PROX SW-WASH LEVEL	W6W5E1I1	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	SIDE OF MACH
PXWP	PROX SW-WASH LEVEL	W6W5E1I1	09RPS30ADS	PRXSW QK CONN 30M NO-DC SHLD	SIDE OF MACH
RE	>>RESISTOR				
RES	RESISTOR-DYNAMIC BRAKE	W6W5E1VP	09MV010REV	RESISTOR 100HM 225W #FVT200-10	HIGH VOLT BOX
SH	>>SWITCH-HAND OPERATED				
SHAM	SWITCH-AUTO MANUAL	W6W5EARGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	TILT SWPNL
SHAM	SWITCH-AUTO MANUAL	W6W5EARGE	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	TILT SWPNL
SHD	SWITCH-ALTERNATE DRAIN	W6W5ESDR	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	ALT DRAIN BX
SHDO	SWITCH-DOOR OPEN	W6W5EIRGB	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5EIRGC	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5E1S+	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5E1S+A	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5EARGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5EARGE	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5EAS+	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5EAS+D	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5EASP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5EASPD	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5ESRG	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5ESRGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5ESS+	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHDO	SWITCH-DOOR OPEN	W6W5ESS+A	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHEAK	SWITCH-AMPSAVER/MACHINE	W6W5ESEA	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	LOW VOLT BOX
SHMD	SWITCH-LOCAL/REMOTE (MILDATA)	W6W5E1I1	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	PROCESSOR BX
SHMD	SWITCH-LOCAL/REMOTE (MILDATA)	W6W5E1I1	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	PROCESSOR BX
SHRM	SWITCH-TILT UP/DOWN	W6W5EIRGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHRM	SWITCH-TILT UP/DOWN	W6W5EIRGC	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL

COMPONENT PARTS LIST

W6W5ESPL/2009196N

<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>			
SHRM	SWITCH-TILT UP/DOWN	W6W5EARGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHRM	SWITCH-TILT UP/DOWN	W6W5EARGE	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHRM	SWITCH-TILT UP/DOWN	W6W5ESRG	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHRM	SWITCH-TILT UP/DOWN	W6W5ESRGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWITCH-START 3-WIRE	W6W5E1S+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWITCH-START 3-WIRE	W6W5E1S+A	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWITCH-START 3-WIRE	W6W5EAS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWITCH-START 3-WIRE	W6W5EAS+D	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWITCH-START 3-WIRE	W6W5ESS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHS+	SWITCH-START 3-WIRE	W6W5ESS+A	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSG	SWITCH-SIGNAL CANCEL	W6W5E1I1	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSG	SWITCH-SIGNAL CANCEL	W6W5E1I1	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6W5E1SP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6W5EASP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6W5EASPD	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6W5ESSP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHSO	SWITCH-STOP	W6W5E1S+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSO	SWITCH-STOP	W6W5E1S+A	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSO	SWITCH-STOP	W6W5EAS+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSO	SWITCH-STOP	W6W5EAS+D	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSO	SWITCH-STOP	W6W5ESS+	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSO	SWITCH-STOP	W6W5ESS+A	09N400CBNC	CONTACT BLK ONLY 1-NC SQD#ZB2BE102	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6W5E1S+	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6W5E1S+A	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6W5EAS+	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6W5EAS+D	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6W5ESS+	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6W5ESS+A	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHWCF	SWITCH-CHEM #1 FLUSH	W6W5ESCF	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SUPPLY INJEC
SHWDO	SWITCH-HYD DOOR OPEN	W6W5E1RGB	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWITCH-HYD DOOR OPEN	W6W5E1RGC	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWITCH-HYD DOOR OPEN	W6W5EARGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWITCH-HYD DOOR OPEN	W6W5EARGE	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL

COMPONENT PARTS LIST

W6W5ESPL/2009196N

<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>			
SHWDO	SWITCH-HYD DOOR OPEN	W6W5EASP	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWITCH-HYD DOOR OPEN	W6W5EASPD	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWITCH-HYD DOOR OPEN	W6W5ESRG	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWDO	SWITCH-HYD DOOR OPEN	W6W5ESRGA	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWITCH-JOG CW/CCW	W6W5E1S+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWITCH-JOG CW/CCW	W6W5E1S+A	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWITCH-JOG CW/CCW	W6W5EAS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWITCH-JOG CW/CCW	W6W5EAS+D	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWITCH-JOG CW/CCW	W6W5ESS+	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SHWJ	SWITCH-JOG CW/CCW	W6W5ESS+A	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	SWITCH PANEL
SK	>>SWITCH-KEYLOCK				
SKPR	SWITCH-RUM/PROGRAM (KEY OP)	W6W5E1I1	09N127C	KEYSW SPST 7A120VAC SCREW TERM	SWITCH PANEL
SKPR	SWITCH-RUM/PROGRAM (KEY OP)	W6W5E1I1	09N127C	KEYSW SPST 7A120VAC SCREW TERM	SWITCH PANEL
SM	>>SWITCH-MECHANICAL OPERATED				
SMDLD	SWITCH-DOOR LOCKED DOWN	W6W5EALAD	MESSAGE MS	SOME PRODUCT STRUCTURE MISSING	DRYEL ASSBLY
SMDO	SWITCH-DOOR IS FULL OPEN	W6W5E1IRGB	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMDO	SWITCH-DOOR IS FULL OPEN	W6W5E1IRGC	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMDO	SWITCH-DOOR IS FULL OPEN	W6W5EARGA	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMDO	SWITCH-DOOR IS FULL OPEN	W6W5EARGE	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMDO	SWITCH-DOOR IS FULL OPEN	W6W5ESRG	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMDO	SWITCH-DOOR IS FULL OPEN	W6W5ESRGA	09R008BSTD	09R008B+MOUNTING HDWRE+INST	DOOR ASSEMBY
SMERB	SWITCH-EXCURSION	W6W5E1I1	09R008A	MICSW SPDT PAINTED BZE6-RN 01	MACH HOUSE
SMERB	SWITCH-EXCURSION	W6W5E1I1	09R008A	MICSW SPDT PAINTED BZE6-RN 01	MACH HOUSE
SMP L2	SWITCH-2ND DOOR LATCHED	W6W51SS+A	09RM02212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMP L2	SWITCH-2ND DOOR LATCHED	W6W5E1S+	09RM02212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMP L2	SWITCH-2ND DOOR LATCHED	W6W5ESS+	09RM02212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMP L2	SWITCH-2ND DOOR LATCHED	W6W5ESS+A	09RM02212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMP LL	SWITCH-DOOR LATCHED	W6W5E1S+	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMP LL	SWITCH-DOOR LATCHED	W6W5E1S+A	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMP LL	SWITCH-DOOR LATCHED	W6W5EAS+	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMP LL	SWITCH-DOOR LATCHED	W6W5EAS+D	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMP LL	SWITCH-DOOR LATCHED	W6W5ESS+	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL
SMP LL	SWITCH-DOOR LATCHED	W6W5ESS+A	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR ASSEMBL

COMPONENT PARTS LIST

W6W5ESPL/2009196N

<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>			
SMSP	SWITCH-SPEED	W6W5E1SP	SAE03-012B	SLIPRING+CENT SW.ASSY(LORES)	DRIVE ASSEMBY
SMSP	SWITCH-SPEED	W6W5EASP	SAE03-012B	SLIPRING+CENT SW.ASSY(LORES)	DRIVE ASSEMBY
SMSP	SWITCH-SPEED	W6W5EASPD	SAE03-012B	SLIPRING+CENT SW.ASSY(LORES)	DRIVE ASSEMBY
SMSP	SWITCH-SPEED	W6W5ESSP	SAE03-012B	SLIPRING+CENT SW.ASSY(LORES)	DRIVE ASSEMBY
SMWVB	SWITCH-MACHINE VIBRATION	W6W5E1S+	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWITCH-MACHINE VIBRATION	W6W5E1S+A	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWITCH-MACHINE VIBRATION	W6W5EAS+	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWITCH-MACHINE VIBRATION	W6W5EAS+D	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWITCH-MACHINE VIBRATION	W6W5ESS+	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SMWVB	SWITCH-MACHINE VIBRATION	W6W5ESS+A	09R020	SWITCH NC VIBR #WZ-2RW84429-P52	HIGH VOLT BX
SP	>>SWITCH-PRESSURE OPERATED				
SPBR	PRESSURE SW-BRAKE	W6W5E1I1	09N082A	PRESSW NASON CLOSE @ 62 LB.	AIR VALVE BX
SPBR	PRESSURE SW-BRAKE	W6W5E1I1	09N082A	PRESSW NASON CLOSE @ 62 LB.	AIR VALVE BX
SPDLU	SWITCH-DRYEL UP DEFLATE	W6W5EARGE	MESSAGE MS	SOME PRODUCT STRUCTURE MISSING	DRYEL ASSBLY
SPLLDP	PRESSURE SW-LEVL BELOW DOOR	W6W5E1SP	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPLLDP	PRESSURE SW-LEVL BELOW DOOR	W6W5EASP	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPLLDP	PRESSURE SW-LEVL BELOW DOOR	W6W5EASPD	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPLLDP	PRESSURE SW-LEVL BELOW DOOR	W6W5ESSP	09N069	PRESS SWITCH 4"WC EATON738-719	LOW VOLT BOX
SPWDP	SWITCH-DOOR PRESSURE	W6W5E1SP	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BX
SPWDP	SWITCH-DOOR PRESSURE	W6W5EASP	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BX
SPWDP	SWITCH-DOOR PRESSURE	W6W5EASPD	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BX
SPWDP	SWITCH-DOOR PRESSURE	W6W5ESSP	09N082B10	PRESSW NASON CLOSE @ 10 LB	AIR VALVE BX
ST	>>SWITCH-THERMOSTAT				
STDB	SWITCH-THERMOSTAT	W6W5E1S+	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
STDB	SWITCH-THERMOSTAT	W6W5E1S+A	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
STDB	SWITCH-THERMOSTAT	W6W5E1VP	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
STDB	SWITCH-THERMOSTAT	W6W5EAS+	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
STDB	SWITCH-THERMOSTAT	W6W5EAS+D	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
STDB	SWITCH-THERMOSTAT	W6W5ESS+	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
STDB	SWITCH-THERMOSTAT	W6W5ESS+A	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
STDB	SWITCH-THERMOSTAT	W6W5ESVP	30RA175T	THERMOSTAT OPEN AT 175F	CONTROL BOX
VE	>>VALVE-ELECTRIC OPERATED				
VEAD	VALVE-ALTERNATE DRAIN	W6W5ESDR	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE 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>			
VEC01	VALVE-CHEMICAL #1 FLUSH	W6W5ESCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC02	VALVE-CHEMICAL #2 FLUSH	W6W5ESCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC03	VALVE-CHEMICAL #3 FLUSH	W6W5ESCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC04	VALVE-CHEMICAL #4 FLUSH	W6W5ESCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC05	VALVE-CHEMICAL #5 FLUSH	W6W5ESCF	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	SUPPLY INJEC
VEC06	VALVE-CHEMICAL #6	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC07	VALVE-CHEMICAL #7	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC08	VALVE-CHEMICAL #8	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC09	VALVE-CHEMICAL #9	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC10	VALVE-CHEMICAL #10	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC11	VALVE-CHEMICAL #11	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC12	VALVE-CHEMICAL #12	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC13	VALVE-CHEMICAL #13	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC14	VALVE-CHEMICAL #14	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEC15	VALVE-CHEMICAL #15	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VECFM	VALVE-FLUSH MANIFOLD	W6W5ESCX	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	SUPPLY VLVST
VEDBL	VALVE-DRYEL BLOWER	W6W5EARGE	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DRYEL ASSBLY
VEDRR	VALVE-DRAIN TO REUSE	W6W5ESEV	96R302A37	1/8"PIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEDRR	VALVE-DRAIN TO REUSE	W6W5ESEVA	96R302A37	1/8"PIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEDRS	VALVE-DRAIN TO SEWER	W6W5ESEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEDRS	VALVE-DRAIN TO SEWER	W6W5ESEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEEB1	VALVE-BALANCE FILL RIB #1	W6W5ESEB	96P053A37	3/4"VAL 110V HAYS #2110-6021IS	BASKET REAR
VEEB2	VALVE-BALANCE FILL RIB #2	W6W5ESEB	96P053A37	3/4"VAL 110V HAYS #2110-6021IS	BASKET REAR
VEEB3	VALVE-BALANCE FILL RIB #3	W6W5ESEB	96P053A37	3/4"VAL 110V HAYS #2110-6021IS	BASKET REAR
VEFL	VALVE-FLUSH DRYEL	W6W5EARGE	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DRYEL ASSBLY
VEHDC	VALVE-HYD DOOR CLOSED	W6W5E1S+	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDC	VALVE-HYD DOOR CLOSED	W6W5EASP	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDC	VALVE-HYD DOOR CLOSED	W6W5EASPD	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDC	VALVE-HYD DOOR CLOSED	W6W5ESS+	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDD	VALVE-DRYEL DOWN	W6W5EARGE	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DRYEL ASSBLY
VEHDL	VALVE-TILT DOOR LATCH	W6W5E1SP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEHDL	VALVE-TILT DOOR LATCH	W6W5EASP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEHDL	VALVE-TILT DOOR LATCH	W6W5EASPD	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE 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>			
VEHDL	VALVE-TILT DOOR LATCH	W6W5ESSP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEHDO	VALVE-HYD DOOR OPEN	W6W5EAS+	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDO	VALVE-HYD DOOR OPEN	W6W5EASP	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHDO	VALVE-HYD DOOR OPEN	W6W5EASPD	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEH DU	VALVE-DRYEL DOWN	W6W5EARGE	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	DRYEL ASSBLY
VEHTD	VALVE-HYD TILT DOWN	W6W5E1RGB	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTD	VALVE-HYD TILT DOWN	W6W5E1RGC	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTD	VALVE-HYD TILT DOWN	W6W5EARGA	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTD	VALVE-HYD TILT DOWN	W6W5EARGE	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTD	VALVE-HYD TILT DOWN	W6W5ESRG	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTD	VALVE-HYD TILT DOWN	W6W5ESRGA	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTU	VALVE-HYD TILT UP	W6W5E1RGB	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTU	VALVE-HYD TILT UP	W6W5E1RGC	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTU	VALVE-HYD TILT UP	W6W5EARGA	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTU	VALVE-HYD TILT UP	W6W5EARGE	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTU	VALVE-HYD TILT UP	W6W5ESRG	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEHTU	VALVE-HYD TILT UP	W6W5ESRGA	96RH705E37	VALVE-HYD.VICKERS#DG4S4W012CB60	HYDRAULIC PL
VEILU	VALVE-DRYEL UP DEFLATE	W6W5EARGE	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VELRU	VALVE-DRYEL UP LOCKED RELEASE	W6W5EARGE	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPL	VALVE-DOOR LATCH	W6W5E1SP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPL	VALVE-DOOR LATCH	W6W5EASP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPL	VALVE-DOOR LATCH	W6W5EASPD	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPL	VALVE-DOOR LATCH	W6W5ESSP	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6W5E1SP	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6W5EASP	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6W5EASPD	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6W5ESSP	96R302A37	1/8" AIR PILOT 3WANO 120V50/60C	AIR VALVE BX
VESTM	VALVE-STEAM PILOT	W6W5ESEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VESTM	VALVE-STEAM PILOT	W6W5ESEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWBR	VALVE-BRAKE	W6W5ESEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWBR	VALVE-BRAKE	W6W5ESEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWCL	VALVE-AIR CLUTCH	W6W5E1SP	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCL	VALVE-AIR CLUTCH	W6W5EASP	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE 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>
VEWCL	VALVE-AIR CLUTCH	W6W5EASPD	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCL	VALVE-AIR CLUTCH	W6W5ESSP	96TBC3BA37	1/4" N/C 3WAY 120V50/60C VALVE	AIR VALVE BX
VEWCLA	VALVE-AIR CLUTCH VENT	W6W5E1SP	96TBO3BA37	1/4" N/O 3WAY 120V50/60C	AIR VALVE BX
VEWCLA	VALVE-AIR CLUTCH VENT	W6W5EASP	96TBO3BA37	1/4" N/O 3WAY 120V50/60C	AIR VALVE BX
VEWCLA	VALVE-AIR CLUTCH VENT	W6W5EASPD	96TBO3BA37	1/4" N/O 3WAY 120V50/60C	AIR VALVE BX
VEWCLA	VALVE-AIR CLUTCH VENT	W6W5ESSP	96TBO3BA37	1/4" N/O 3WAY 120V50/60C	AIR VALVE BX
VEWVC	VALVE-COLD WATER	W6W5ESEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVC	VALVE-COLD WATER	W6W5ESEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVH	VALVE-HOT WATER	W6W5ESEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVH	VALVE-HOT WATER	W6W5ESEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVX	VALVE-EXTRA WATER	W6W5ESEV	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
VEWVX	VALVE-EXTRA WATER	W6W5ESEVA	96R301A37	1/8" PILOT 3W-NC 110/50 120/60	AIR VALVE BX
WF	>>METER-WATER				
WFM	METER-WATER FLOW	W6W5ESFS	30F515	FLOW SENSOR SIGNET P51530-P0	WATER INLET
	>>CONTROL BOX LAYOUTS				

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, NEGLECT, 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: 20100528 / 20100528 / 20100528 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.

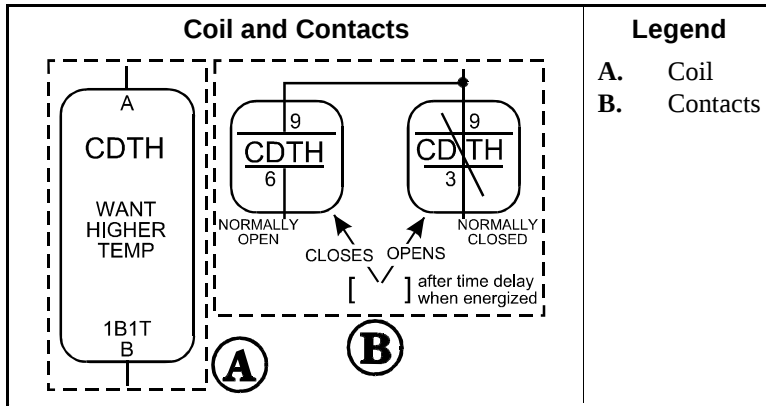
CB=Circuit Breaker (Figure 1)—Automatic switch that opens an electric circuit in abnormal current conditions (e.g., an overload).

Figure 1: Circuit Breaker (CB)



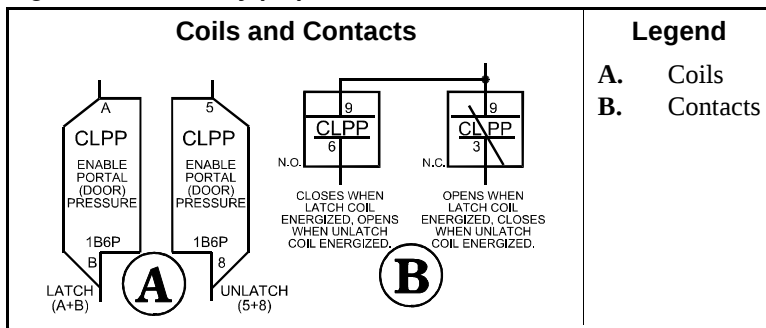
CD=Control, Time Delay Relay (Figure 2)—A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.

Figure 2: Time Delay Relay (CD)



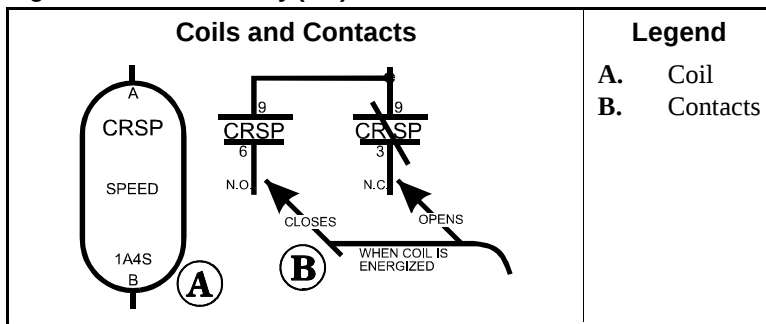
CL=Control, Latch Relay (Figure 3)—A relay which latches in an energized or set position when operated by one coil (the latch/set coil). The relay stays latched even though coil voltage is removed. The relay releases or unlatches when voltage is applied to a second coil (the unlatch/reset coil).

Figure 3: Latch Relay (CL)



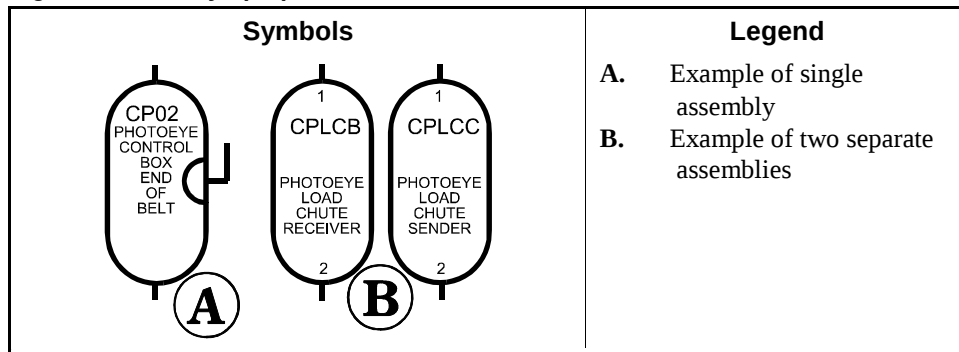
CR=Control, Relay (Figure 4)—A relay whose contacts switch immediately when voltage is applied to its coil and revert to normal when the voltage is removed.

Figure 4: Standard Relay (CR)



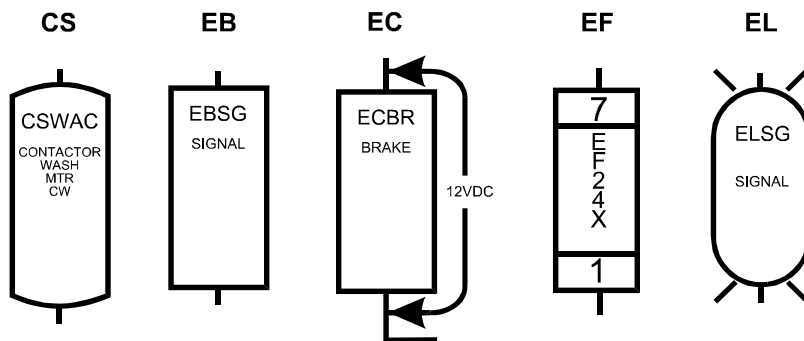
CP=Control, Photo-Eye (Figure 5)—Photo-eyes sense the presence of an object without direct physical contact. Photo-eyes consist of a transmitter, receiver, and output module. These components may be housed in one assembly with the transmitter bouncing light off of a reflector to the receiver, or these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

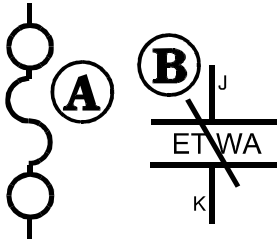
EL=Electric Light (Figure 6)—Indicator lights may be either incandescent or fluorescent.

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.

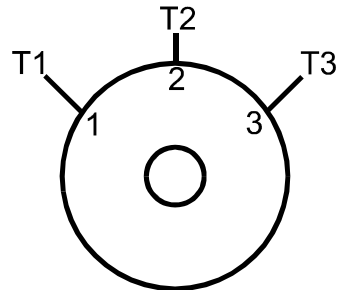
MN=Electronic Monitor (CRT)—A cathode ray tube used for visual presentation of data.

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

Figure 8: Transformer (EX)



Figure 9: Electric Motor (MR)

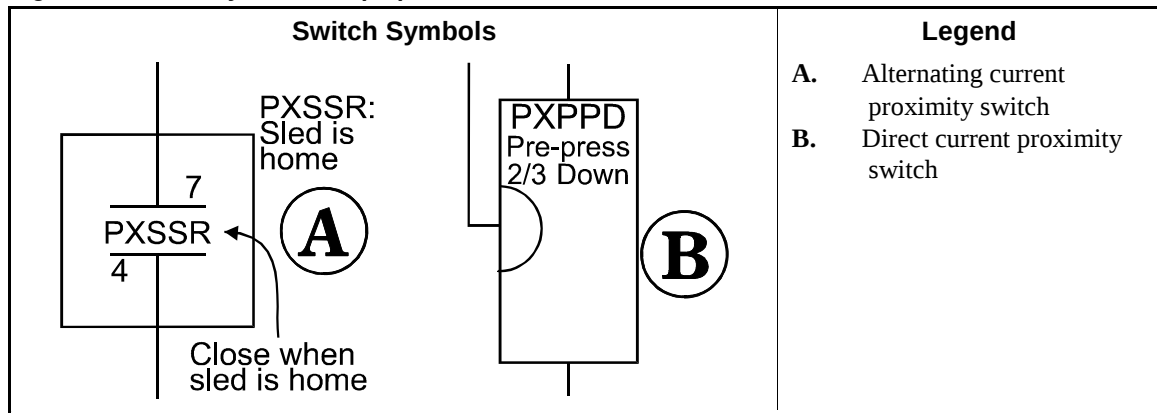


MV=Motor (Variable Speed) Inverter—To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained. The motor variable speed inverter converts three phase AC to DC. The inverter then uses this DC voltage to generate AC at the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

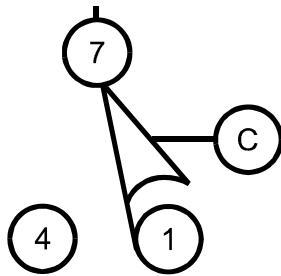
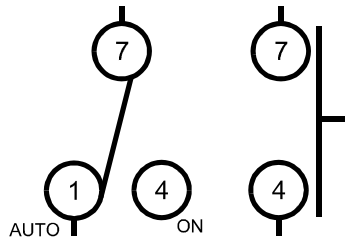


Figure 12: Hand Operated Switch (SH)



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)

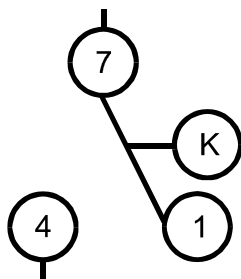
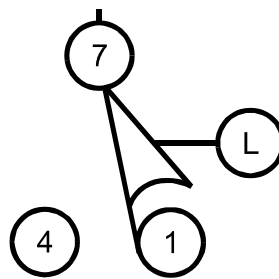


Figure 14: Level Switch (SL)



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)

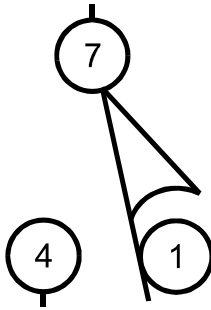
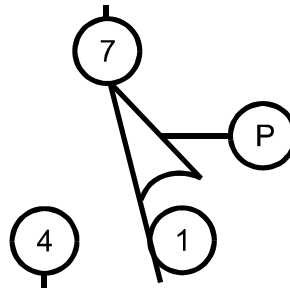


Figure 16: Pressure Switch (SP)



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)

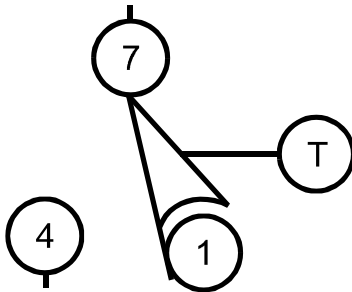
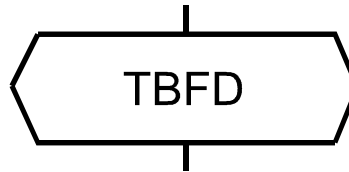
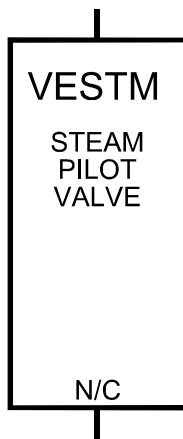


Figure 18: Terminal Board (TB)



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)

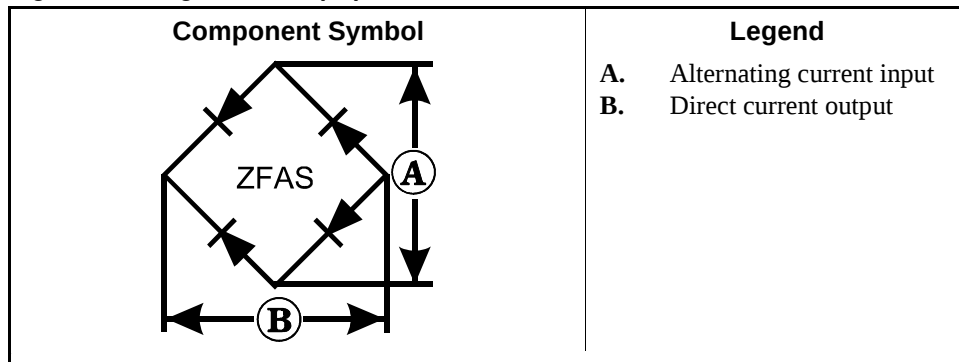
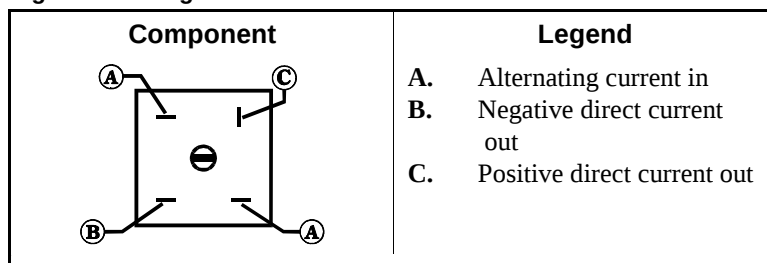


Figure 21: Bridge Rectifier



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.

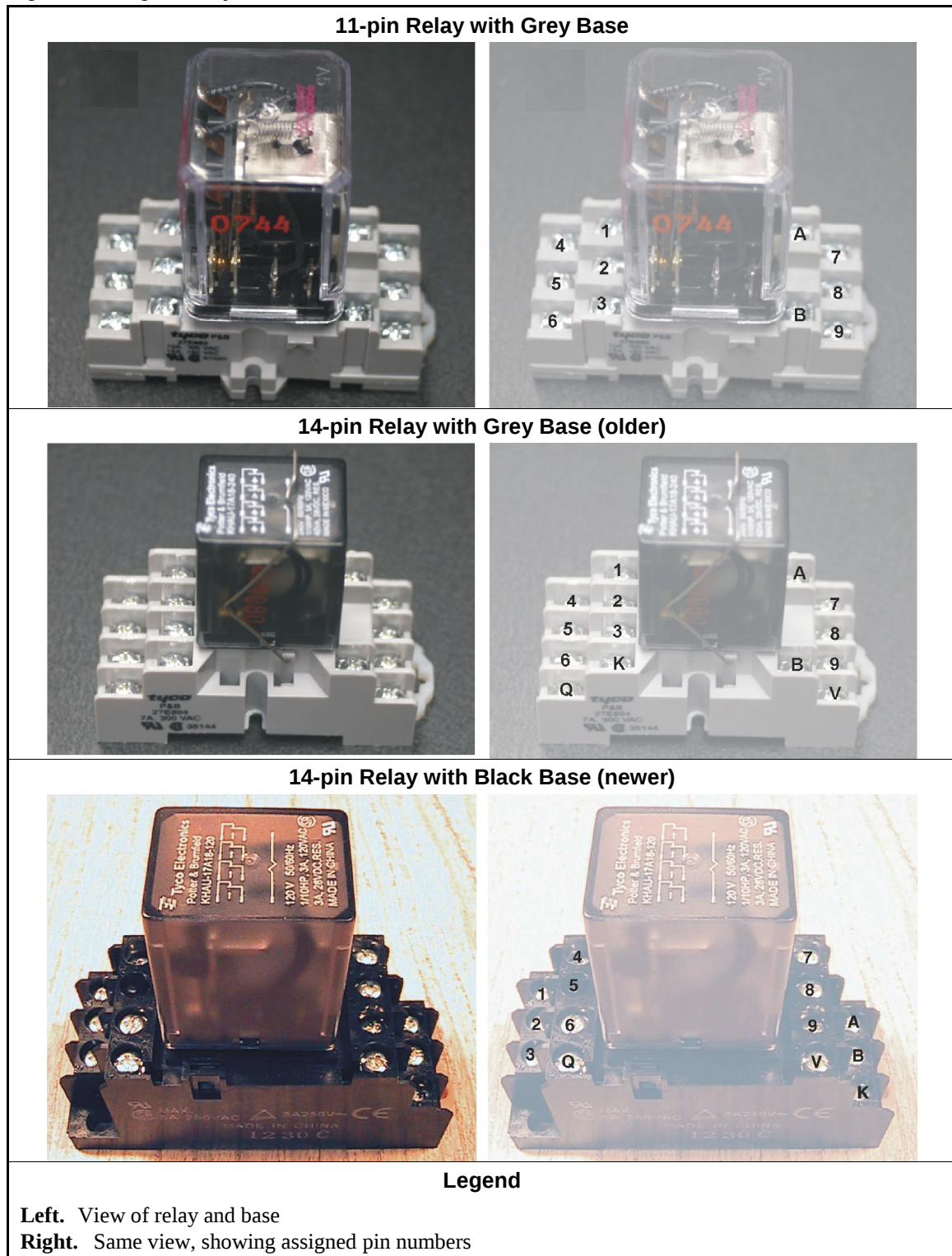
2. Component Terminal Numbering



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

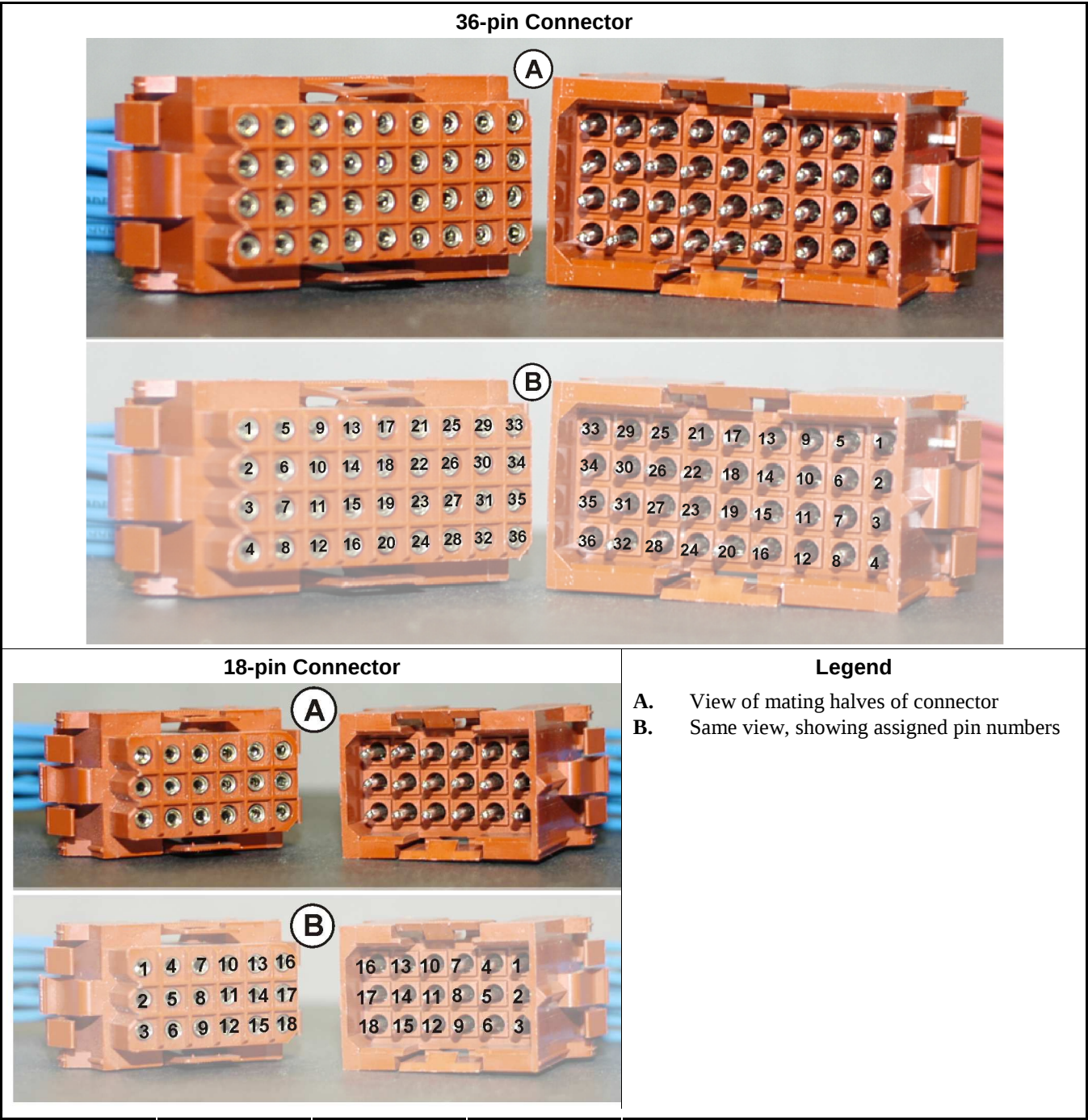


Figure 24: Molex Connector Pin Locations

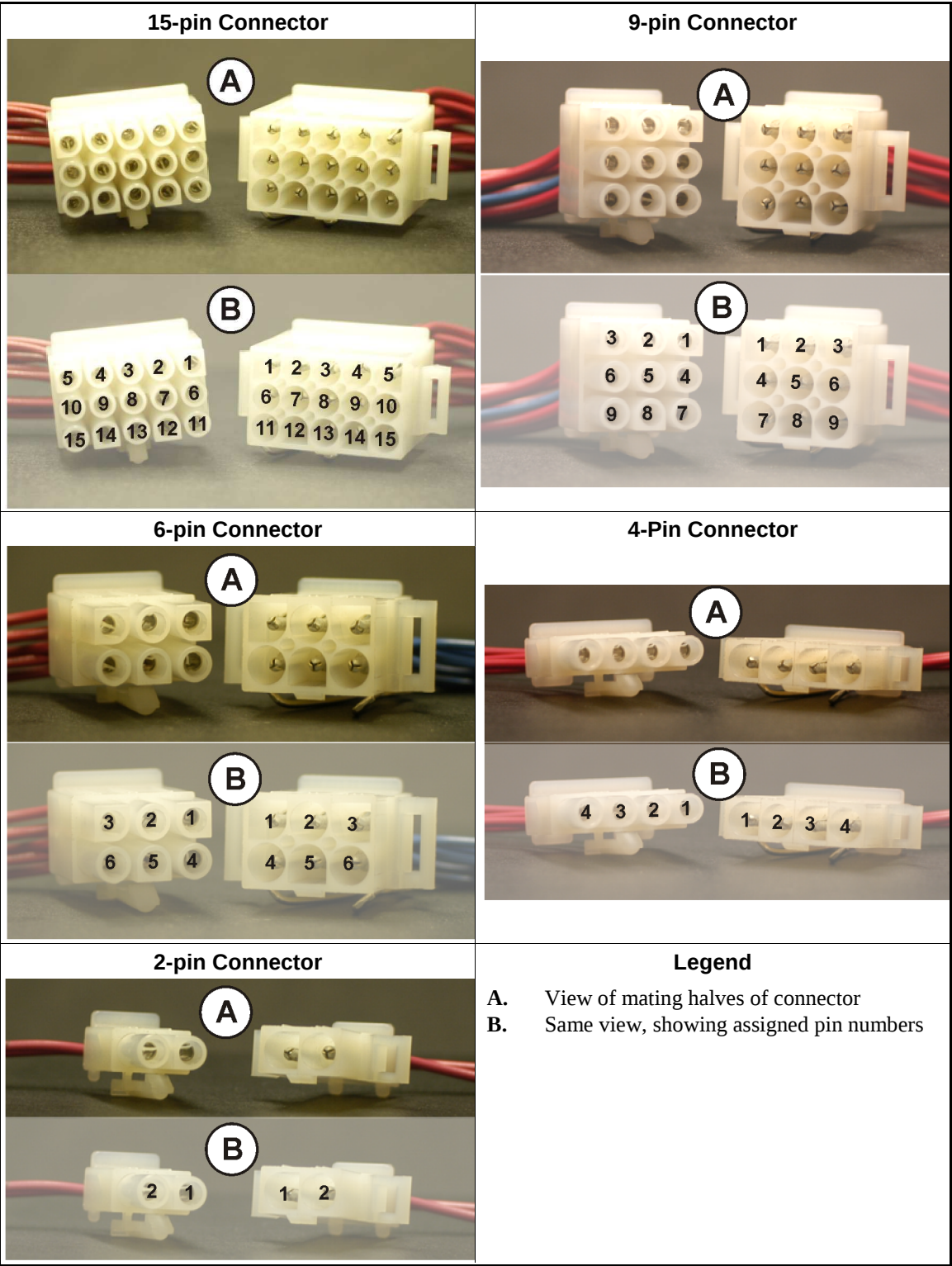


Figure 25: Pressure Switch

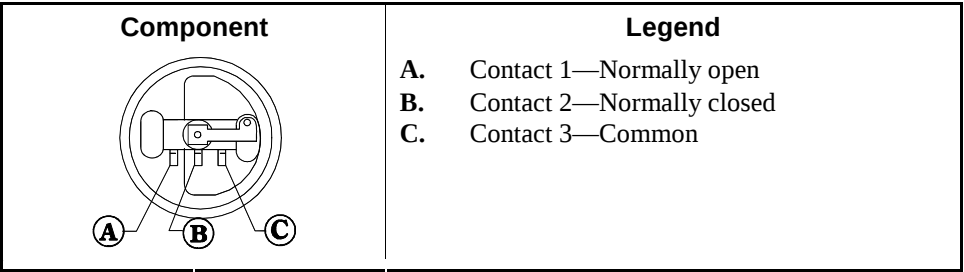


Figure 26: Toggle Switch

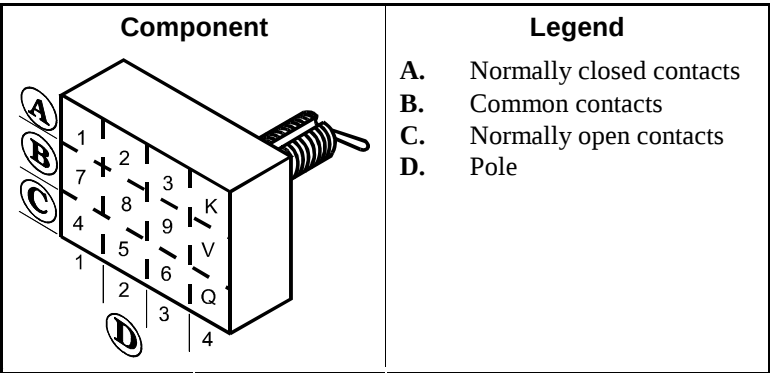
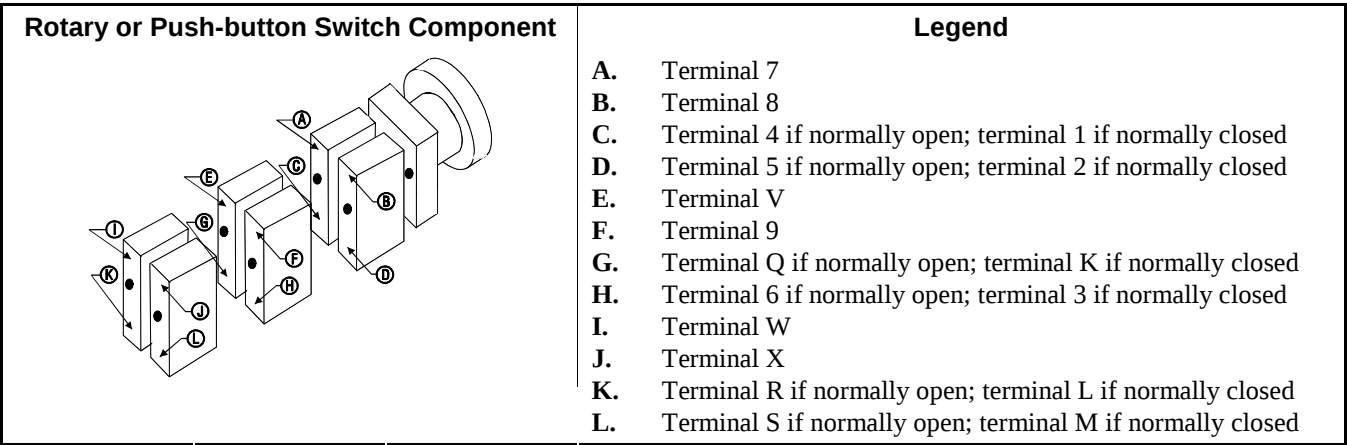


Figure 27: Switch with Replaceable Contact Blocks



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

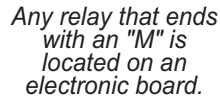
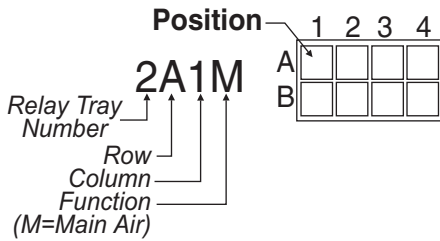
5

5

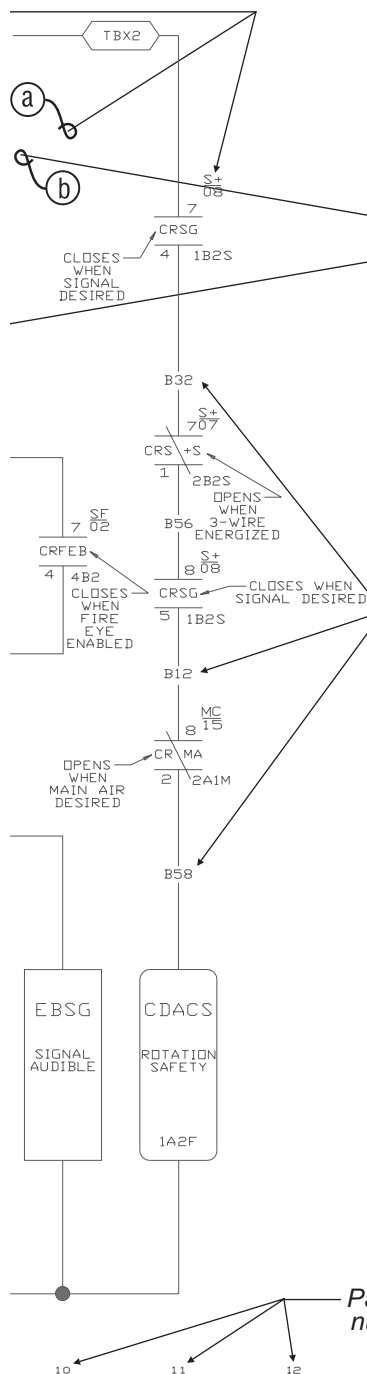
7-1 contact	S+09	S+11	7-4 contact
8-2 contact	—	S+11	8-5 contact
9-3 contact	—	—	9-6 contact
V-Q contact	—	—	V-K contact

Contact not used —
Drawing and line where
contact is located

⑥



9



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

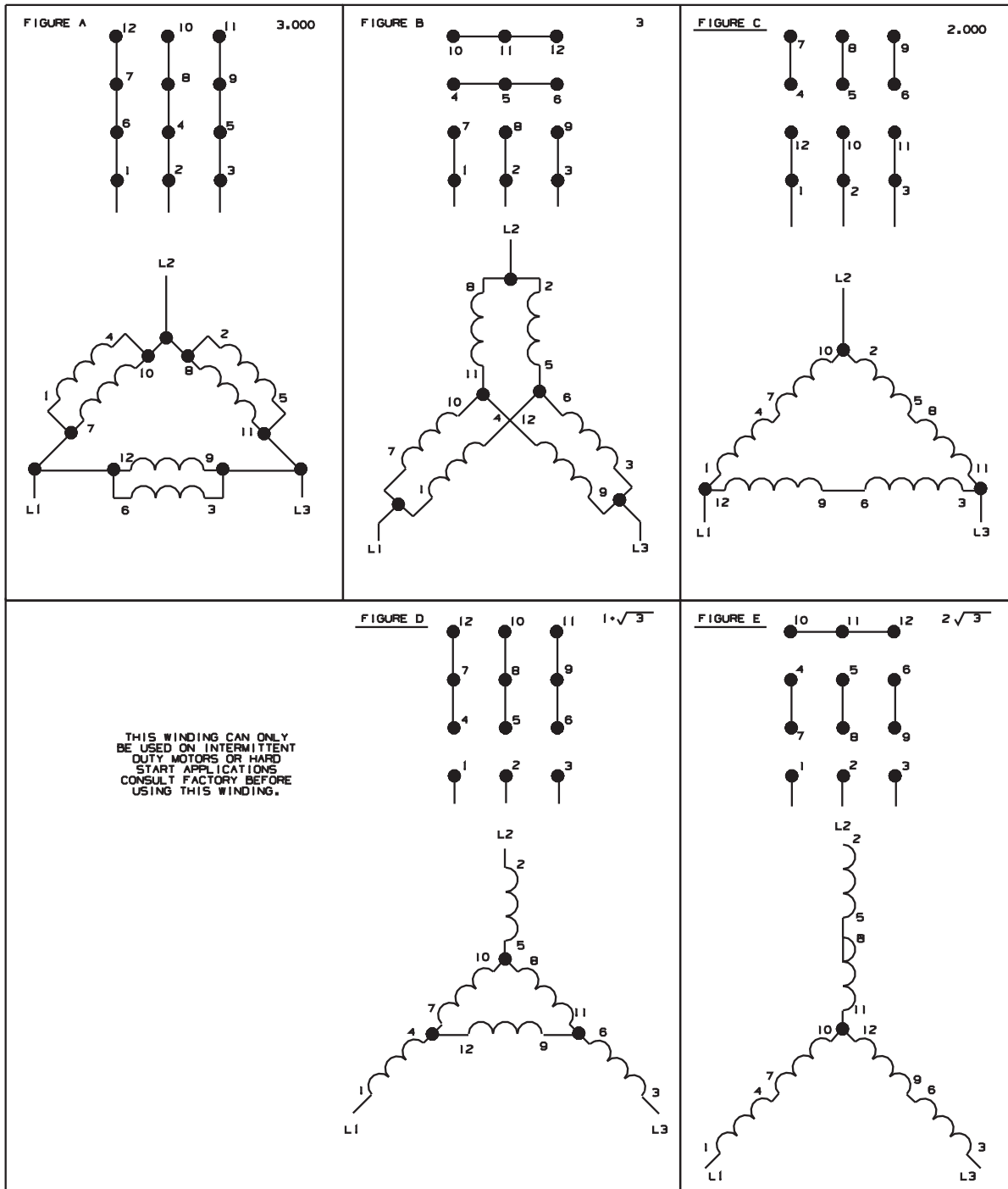
Class of control system

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

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16

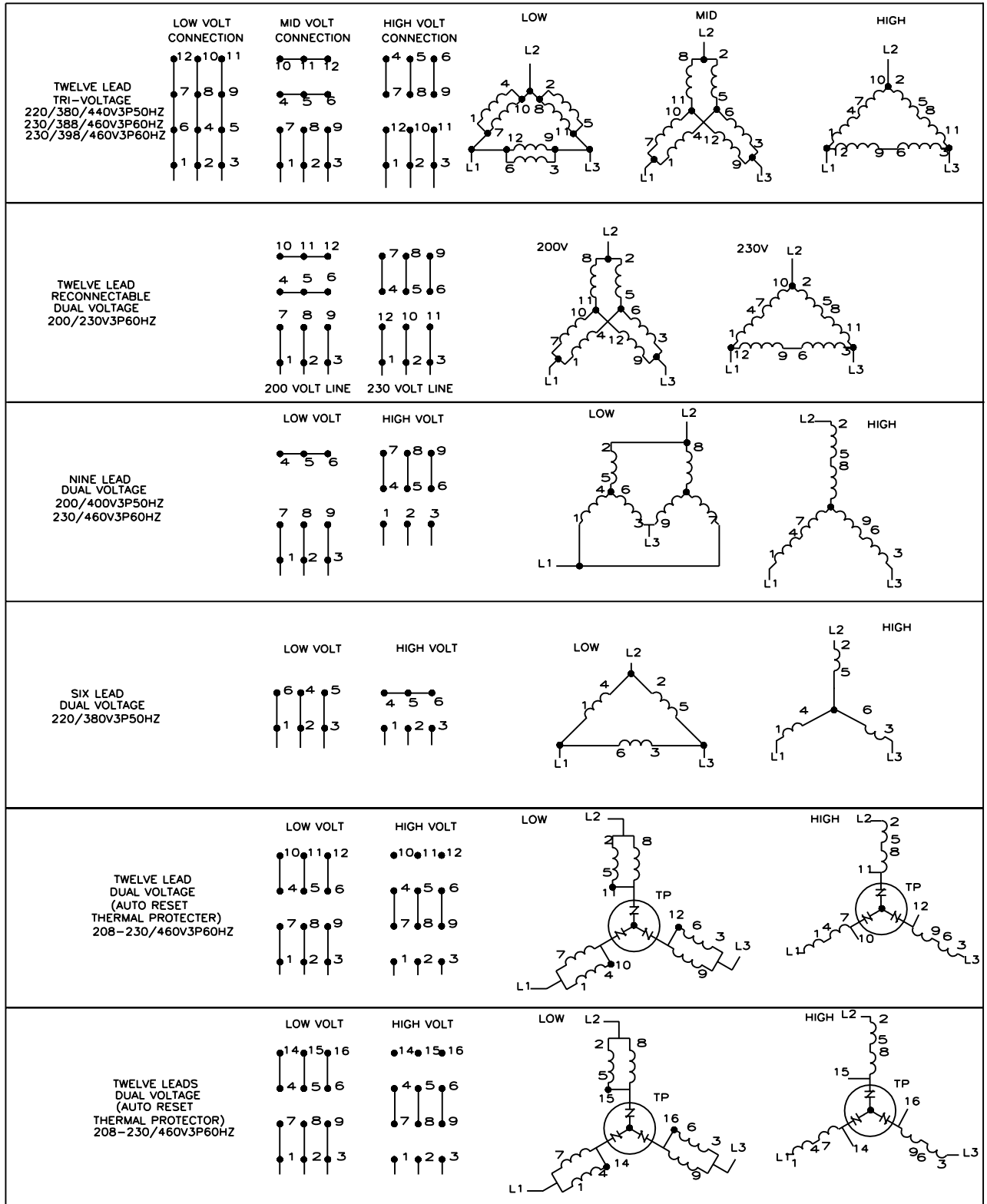
17

BMP850029

MOTOR CONNECTION DIAGRAMS

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

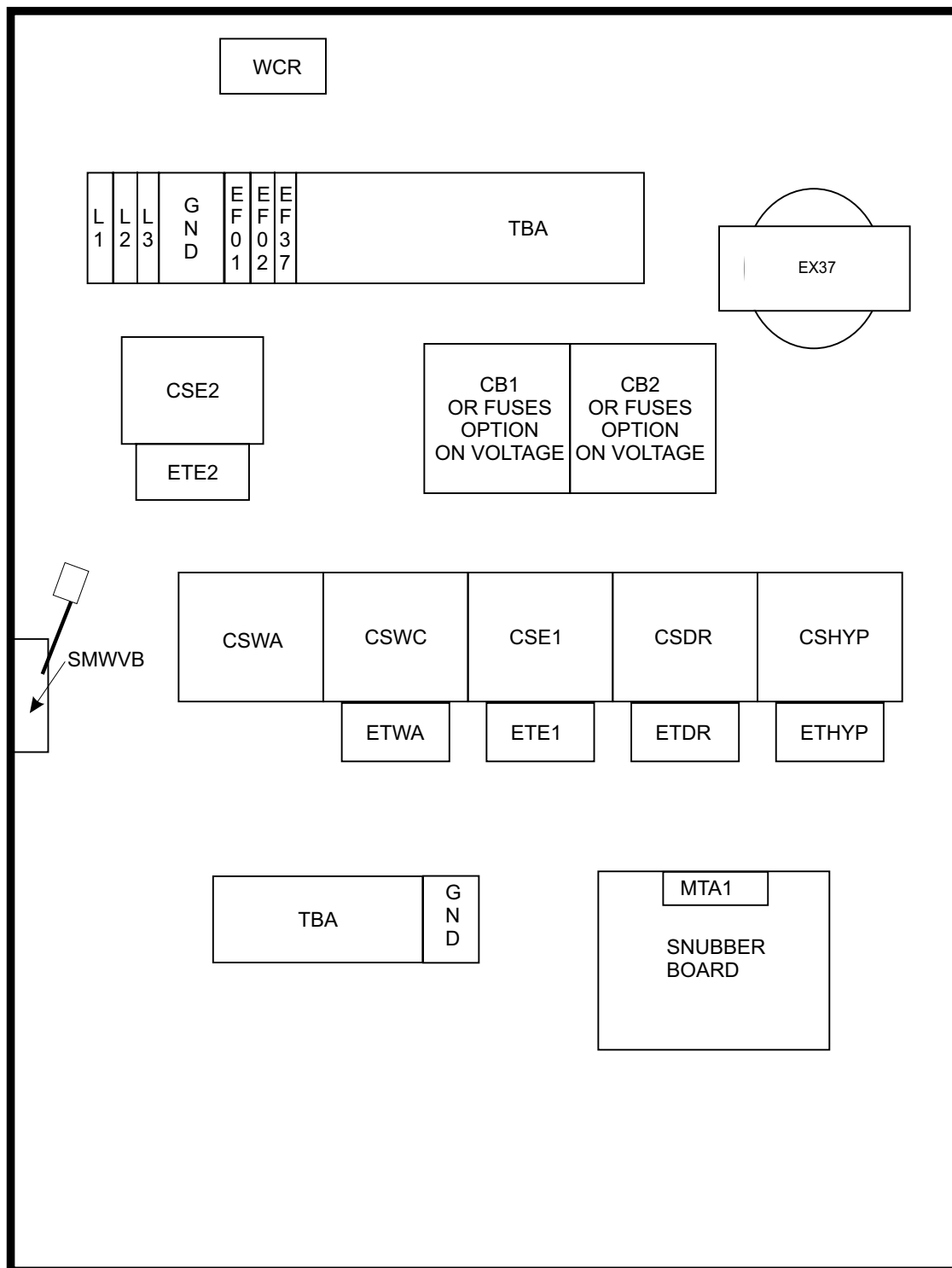
PELLERIN MILNOR CORPORATION



W80008

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

W80008
2001253A

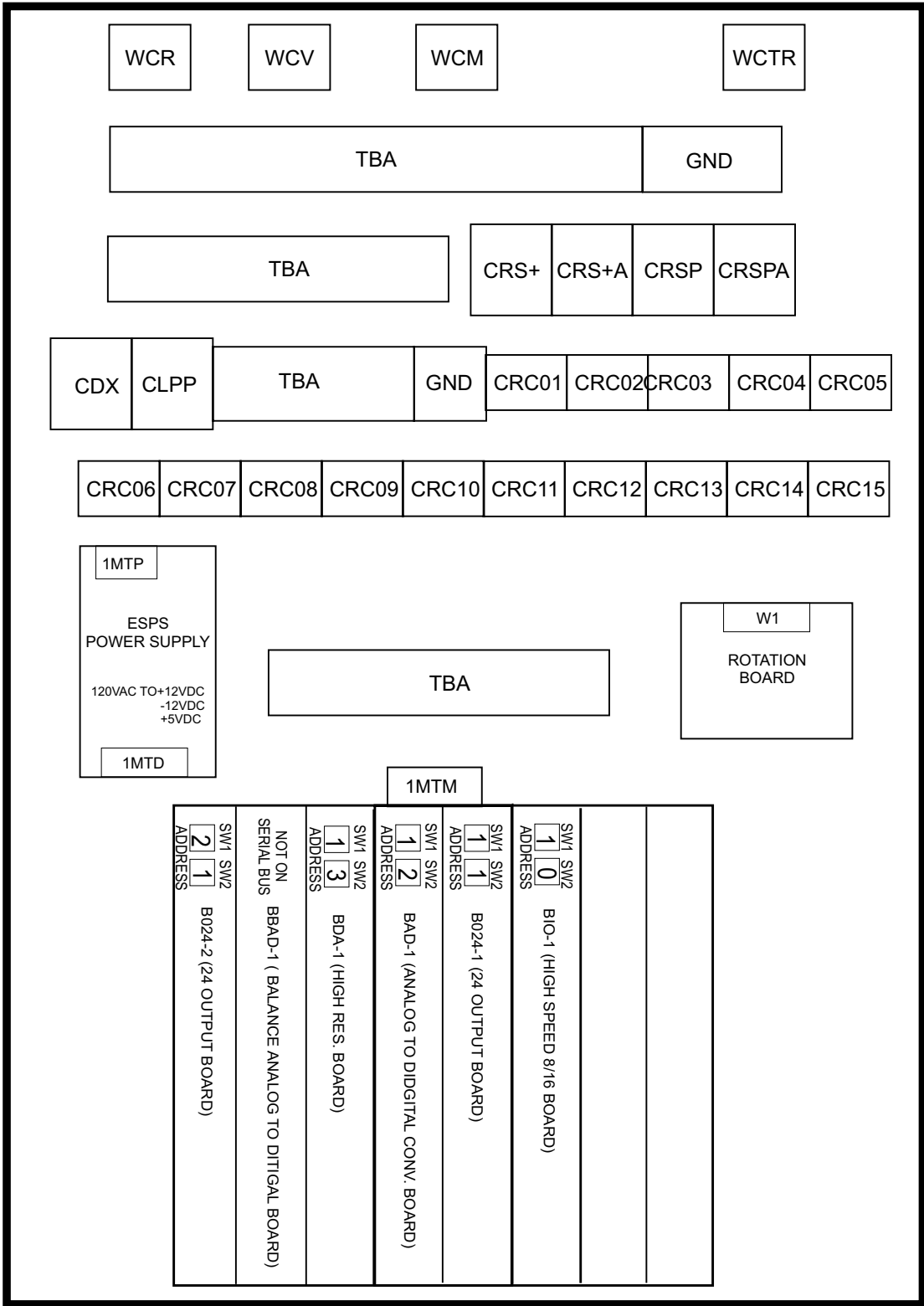


**MICRO 6 SYSTEMS MARK V CONTROLS
E-SERIES WASHER-EXTRACTOR
HIGH VOLTAGE CONTROL BOX**

PELLERIN MILNOR CORPORATION

B2TAG97045
2001233G

W6W5ESTG1
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION



**MICRO 6 SYSTEMS MARK V CONTROLS
E-SERIES LOW VOLTAGE CONTROL BOX
SINGLE MOTOR DRIVE**
PELLERIN MILNOR CORPORATION

B2TAG97047
2005522G

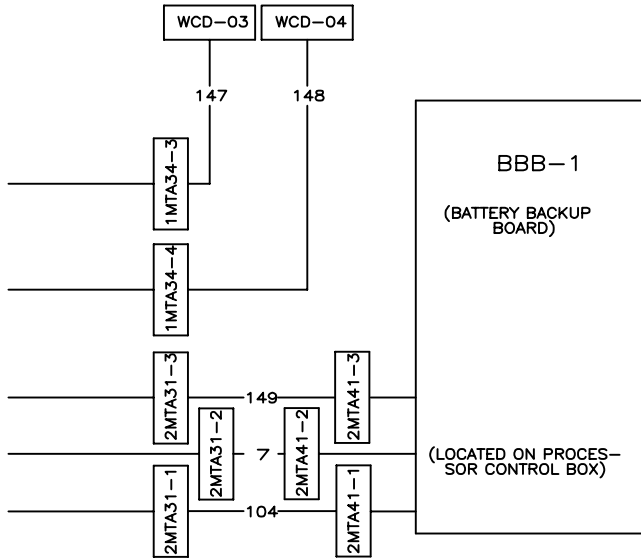
B024-1	B024-2 (OPTIONAL)	BIO-1 (HIGH SPEED)
OUTPUTS 0 HIGH EXTRACT 1 BALANCE/S DWN 2 WASH CLUTCH 3 CW WASH 4 CCW WASH 5 STEAM VALVE 6 SIGNAL 7 THREE WIRE 8 BRAKE RELEASE 9 WATER VALVE #1 10 WATER VALVE #2 11 WATER VALVE #3 12 SEWER DRAIN 13 REUSE DRAIN 14 LOW EXTRACT 15 WASH POSITION 16 NOT USED 17 NOT USED 18 NOT USED 19 NOT USED 20 NOT USED 21 NOT USED 22 NOT USED 23 MACHINE TILTING	OUTPUTS 0 CHEM 14 1 CHEM 9 2 CHEM 13 3 FLUSH 4 CHEM 15 5 CHEM 11 6 CHEM SAVE 7 DRAIN SAVER 8 CHEM 10 9 AMP SAVER 10 CHEM 6 11 CHEM 7 12 CHEM 8 13 CHEM 12 14 RECIRCULATE 15 NOT USED 16 NOT USED 17 NOT USED 18 NOT USED 19 NOT USED 20 NOT USED 21 NOT USED 22 NOT USED 23 NOT USED	INPUTS 0 REAR UP 1 DOOR CLOSED 2 EXT. POSITION/HI LEVEL 3 WASH POSITION/MED. LEVEL 4 LOW LEVEL 5 CHECK DRAIN CLUTCH 6 CHEM SAVE/VARISPD O/L 7 SPEED SWITCH 8 AMP SAVER 9 FRONT NOT DOWN 10 TILT LEVEL 11 BRAKE IS OFF 12 E2 OVERLOAD 13 E1 OVERLOAD 14 DRAIN OVERLOAD 15 WASH OVERLOAD OUTPUTS 0 DRAIN MOTOR 1 COOLDOWN 2 EXTRACT POSITION 3 CHEM 4 4 CHEM 1 5 CHEM 3 6 CHEM 2 7 CHEM 5

MICRO 6 SYSTEMS MARK V CONTROLS
E-STYLE WASHER EXTRACTOR
CONTROL BOARDS INPUTS/OUTPUTS
PELLERIN MILNOR CORPORATION

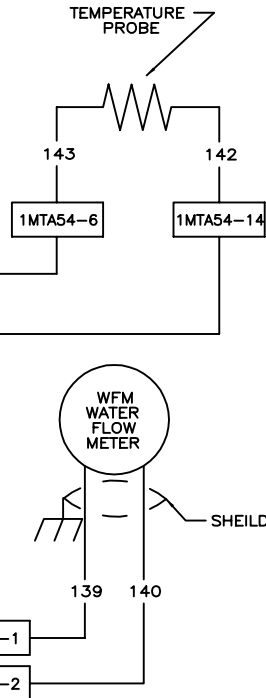
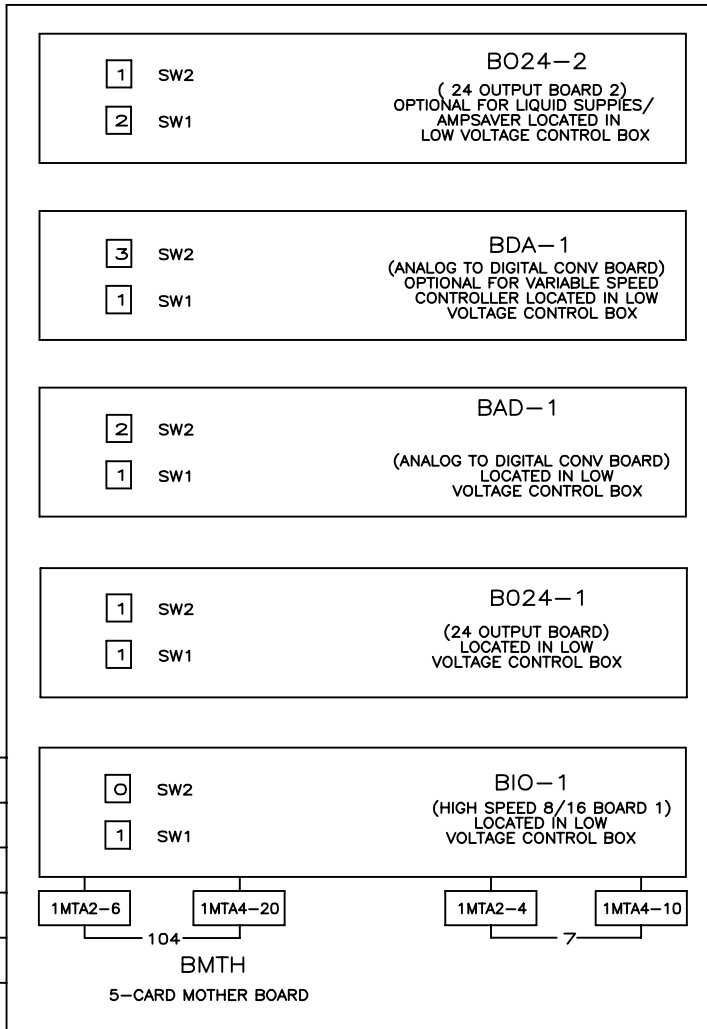
B2TAG97064
98441G

Section

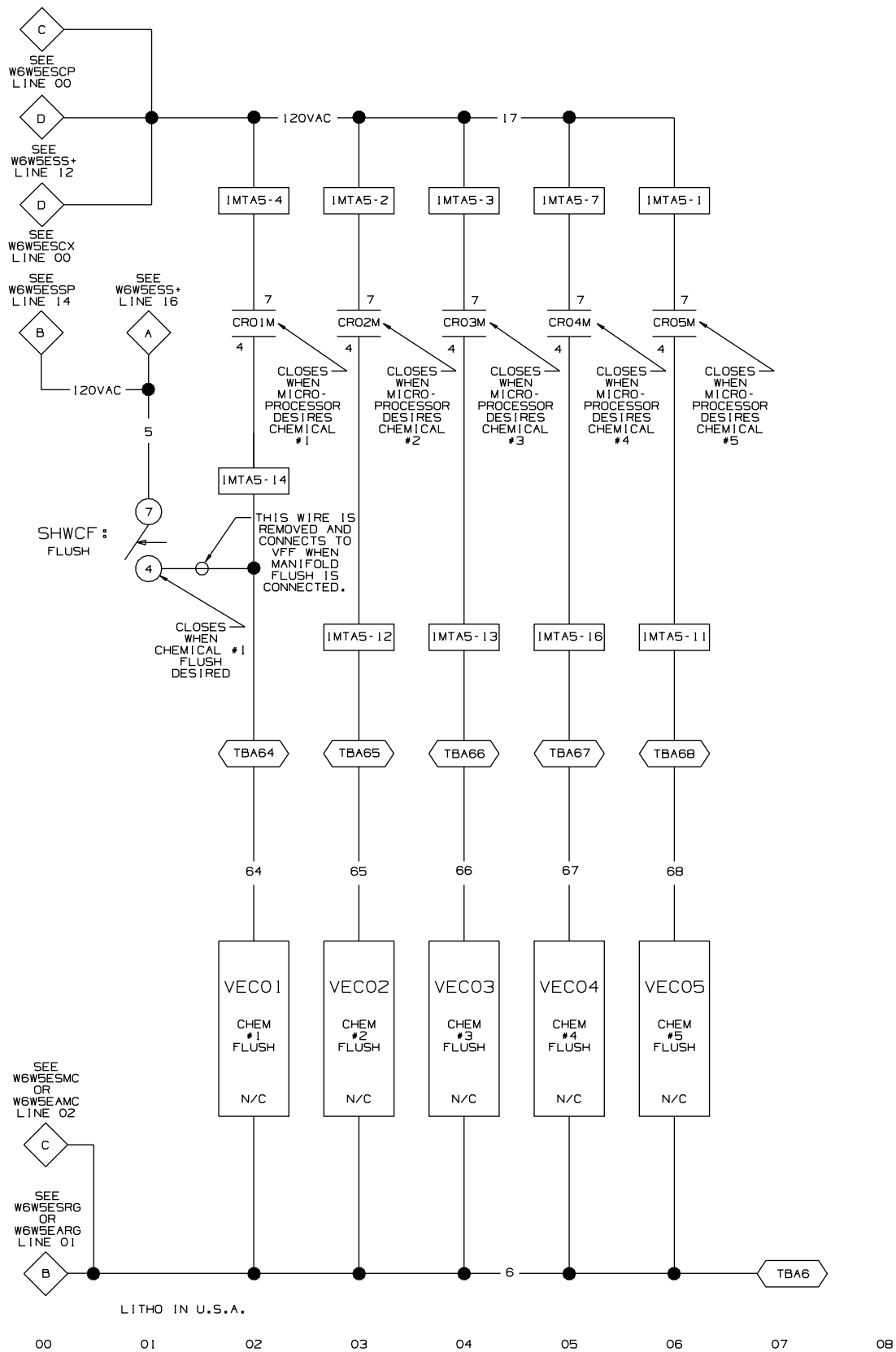
Standard Schematics



WIRING NO.	VOLTAGE	WIRE COLOR
103	+5VDC	BLUE
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
—		BLUE/BLACK
—		BLUE/RED
—		RED
6	CONTROL GROUND	RED/WHITE



W6W5ESBW
MICRO 6 SYSTEMS
MARK V CONTROLS
SCHEMATIC: BOARD TO BOARD WIRING
(SERIAL CONTROLS)
110V, 1P, 50HZ / 120V, 1P, 60HZ
PELLERIN MILNOR CORPORATION

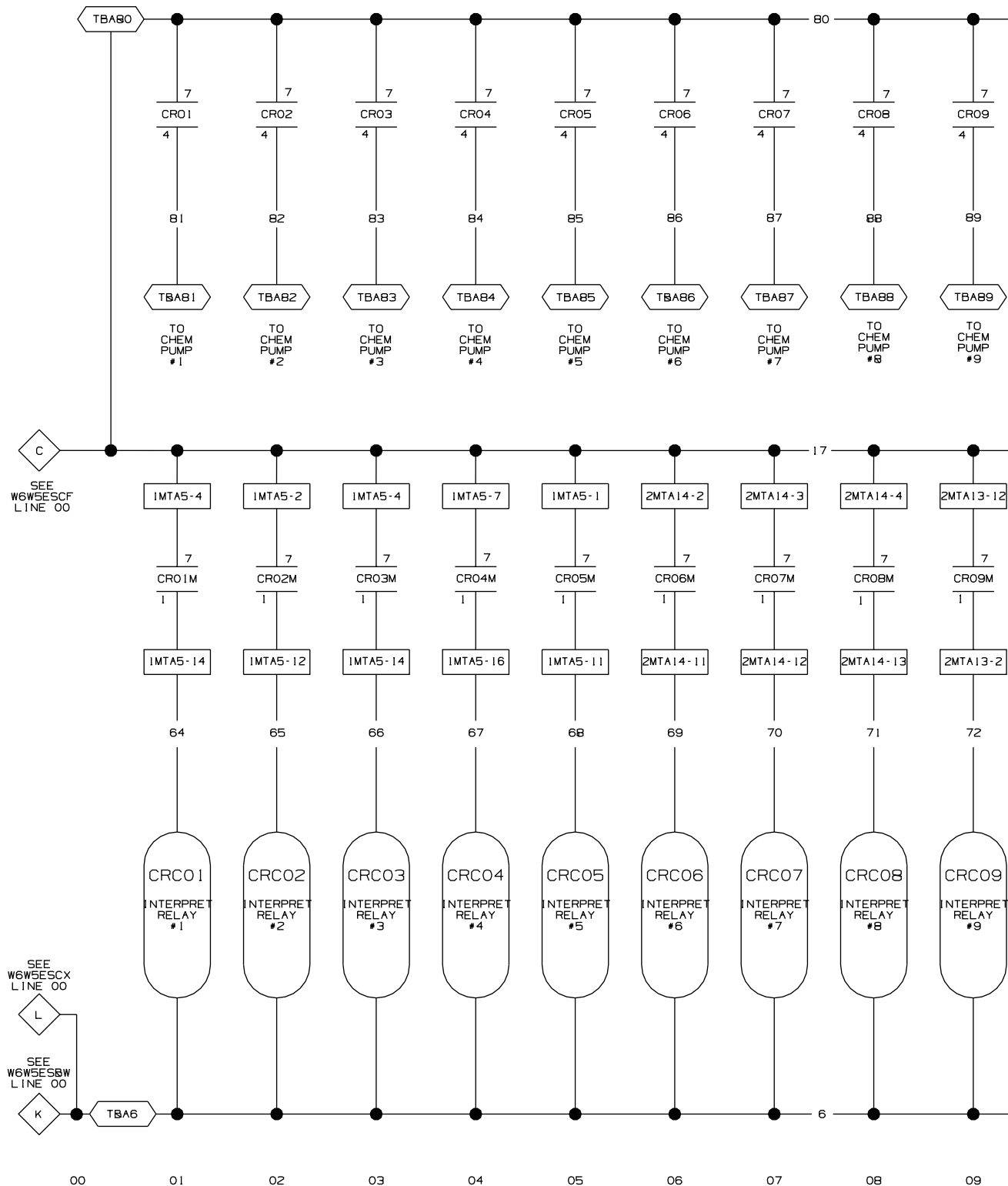


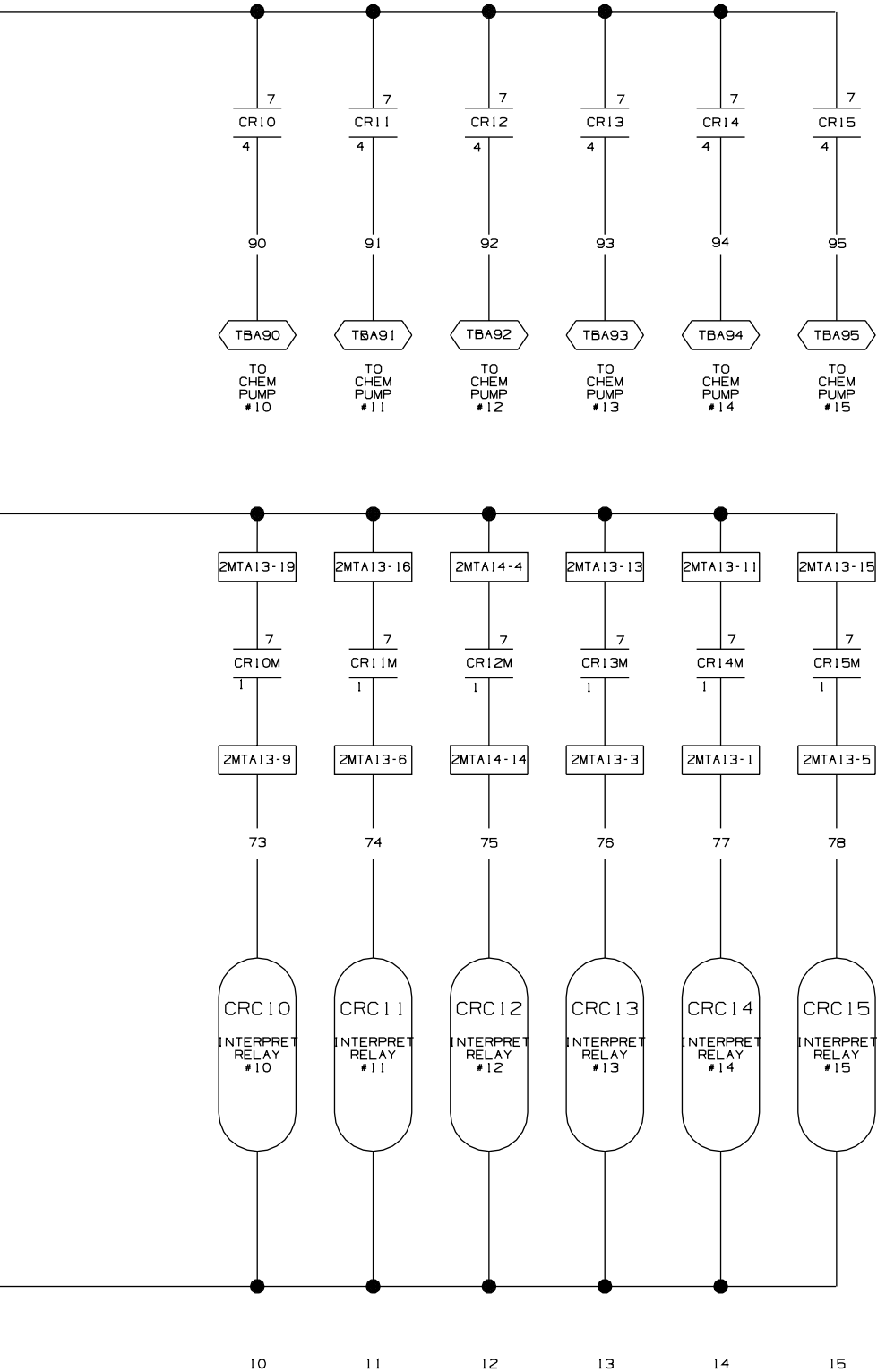
NOTES:

1. IMTA5 IS LOCATED ON BIO-1
(8 OUTPUT, 16 INPUT BOARD).

W6W5ESCF
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: FLUSHING SUPPLIES
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

IF CUSTOMER IS SUPPLYING
VOLTAGE FOR CHEMICAL
PUMPS THEN TBA80 MUST BE
DISCONNECTED FROM
INTERNAL 120VAC SUPPLY (WIRE 17)





W6W5ESCP
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: LIQUID SUPPLY -
INTERPRET RELAYS
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.

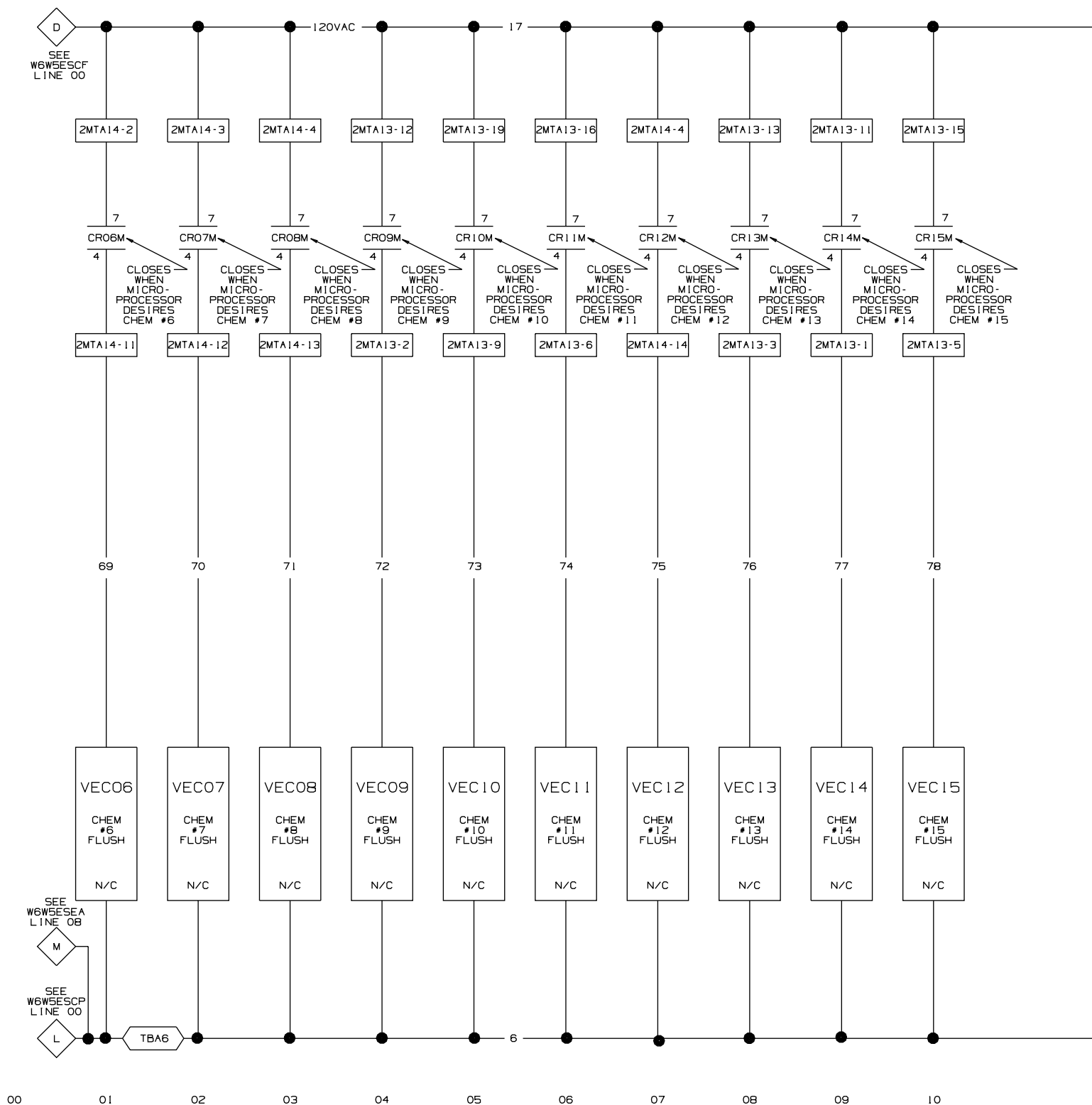
W6W5ESCS

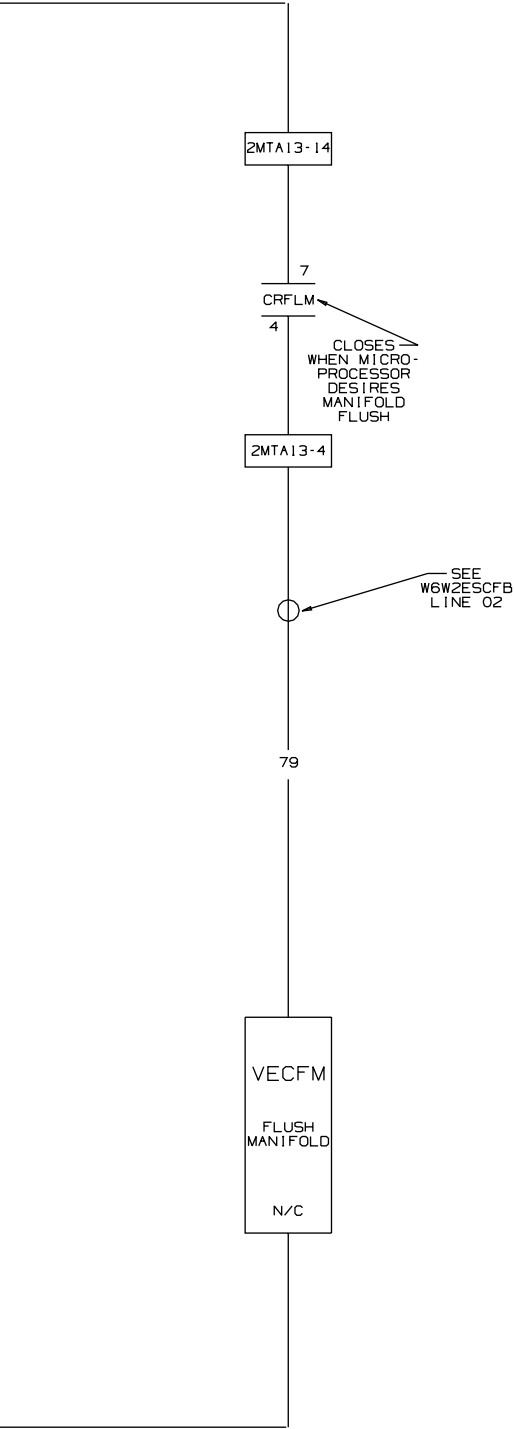
MICRO 6 SYSTEMS

MARK V

SCHEMATIC: CHEMICAL SAVE (OPTIONAL)

PELLERIN MILNOR CORPORATION



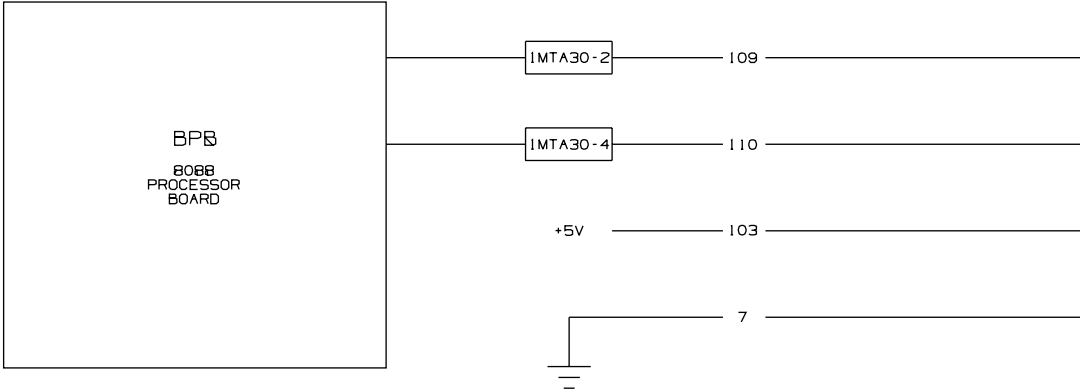


11

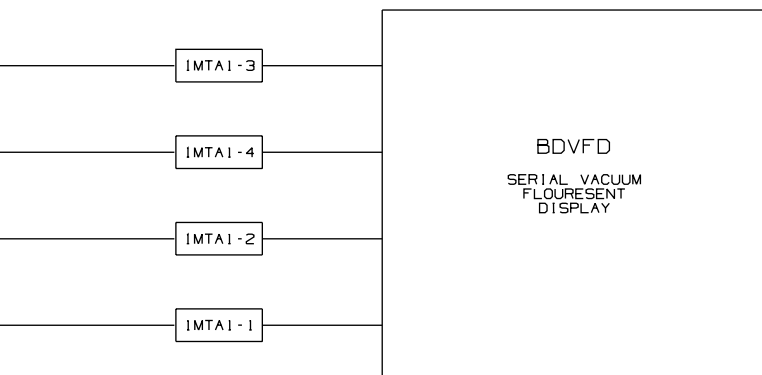
12

13

W6W5ESCX
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: CENTRAL LIQUID SUPPLY
FLUSH 6 THRU 15
PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07 08 09 10

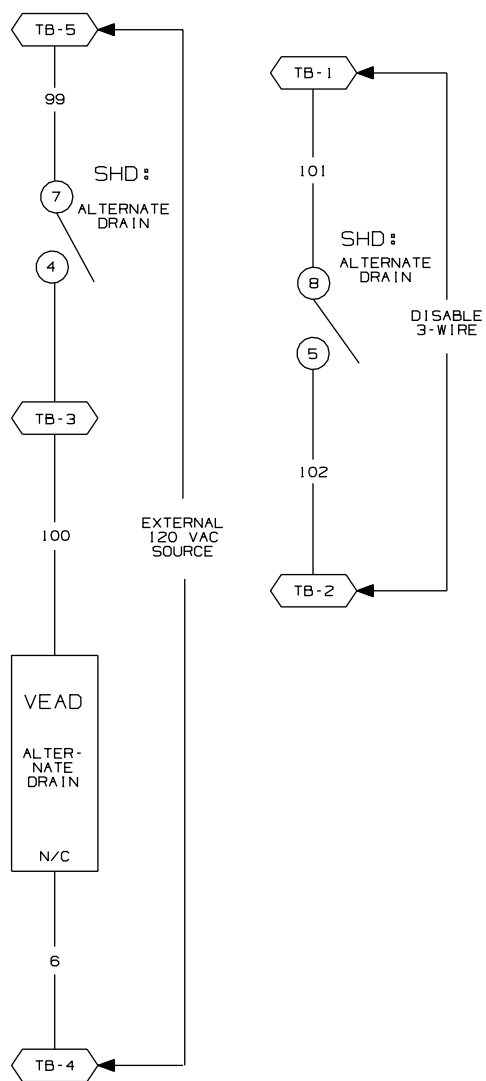


NOTES

1. IMTA30 IS LOCATED ON BPB (PROCESSOR BOARD).
2. IMTA1 IS LOCATED ON DISPLAY BOARD.

W6W5ESD
 MICRO 6 SYSTEMS
 MARK V
 SCHEMATIC: DISPLAY
 PELLERIN MILNOR CORPORATION

11 12 13 14 15 16 17 18



00 01 02 03 04 05 06 07

WGW5ESDR

MICRO 6 SYSTEMS

MARK V

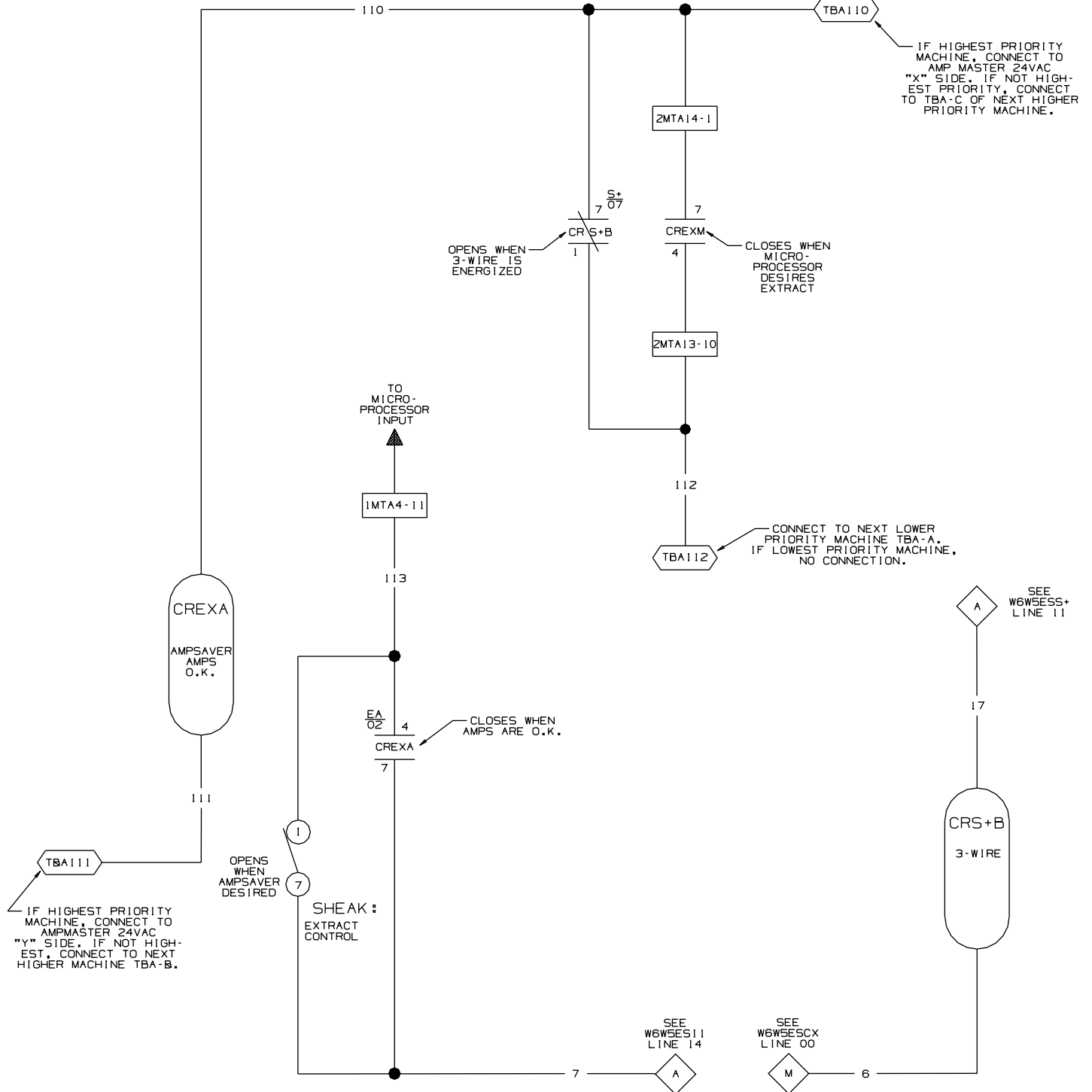
SCHEMATIC: ALTERNATE DRAIN VALVE

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

EA04

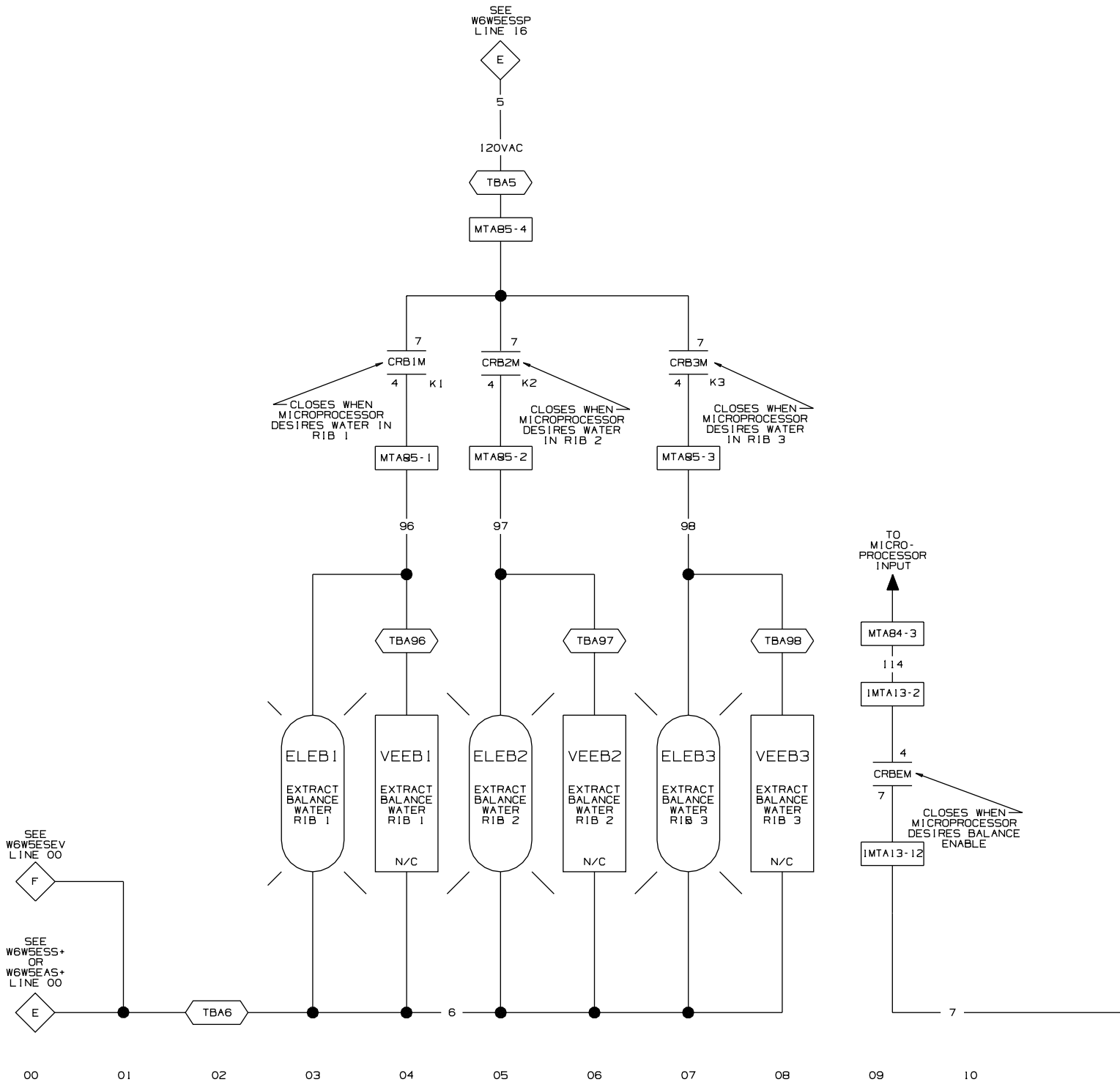
EA06



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10 11

WGWESEA
MICRO 6 SYSTEMS
MARK V
SCHEMATIC:EXTRACT COMMANDS SATISFIED
24V1P50HZ/24V1P60HZ
PELLERIN MILNOR CORPORATION



SEE
W6W5ES12
LINE 09



11

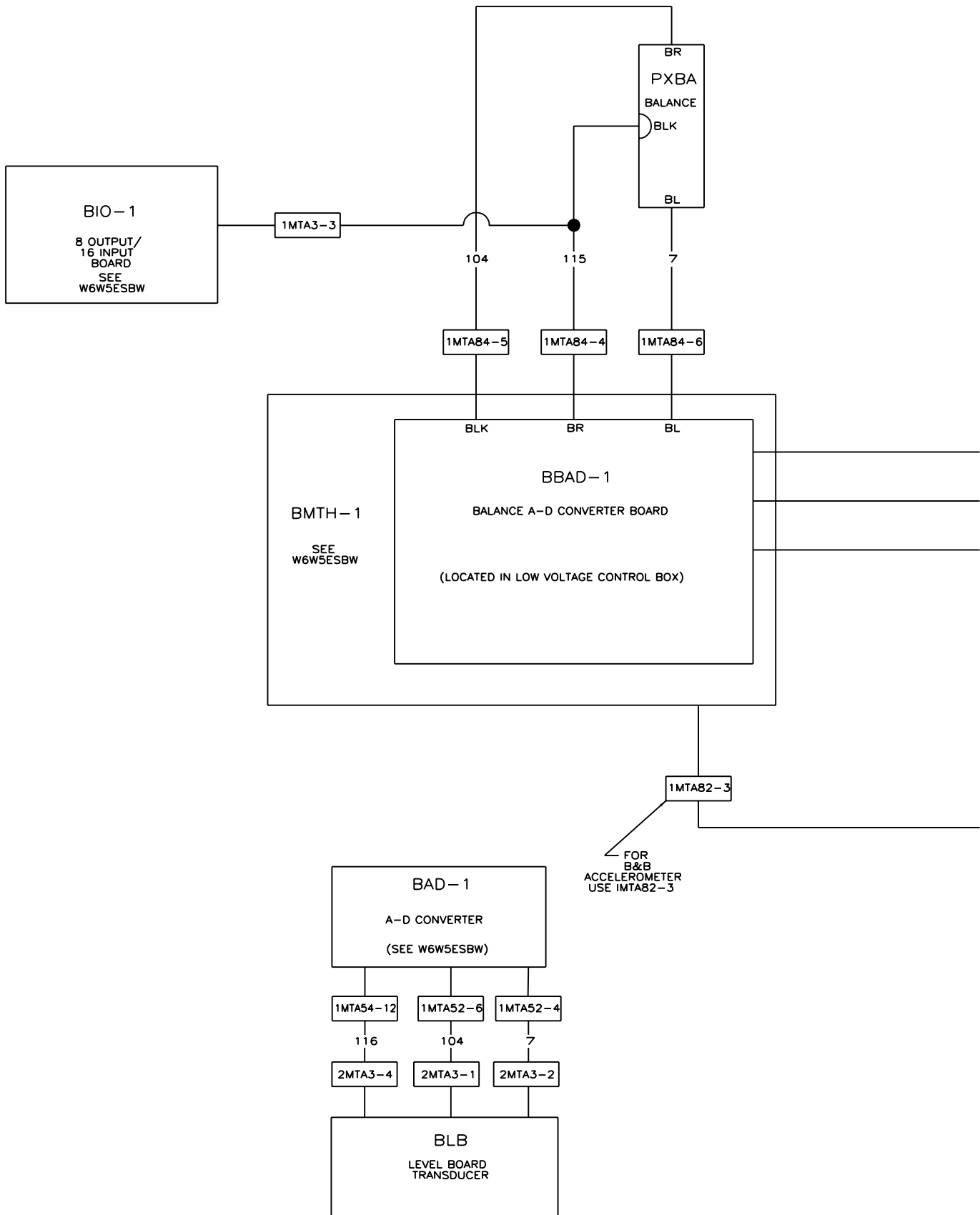
12

W6W5ESEB

MICRO 6 SYSTEMS
MARK V

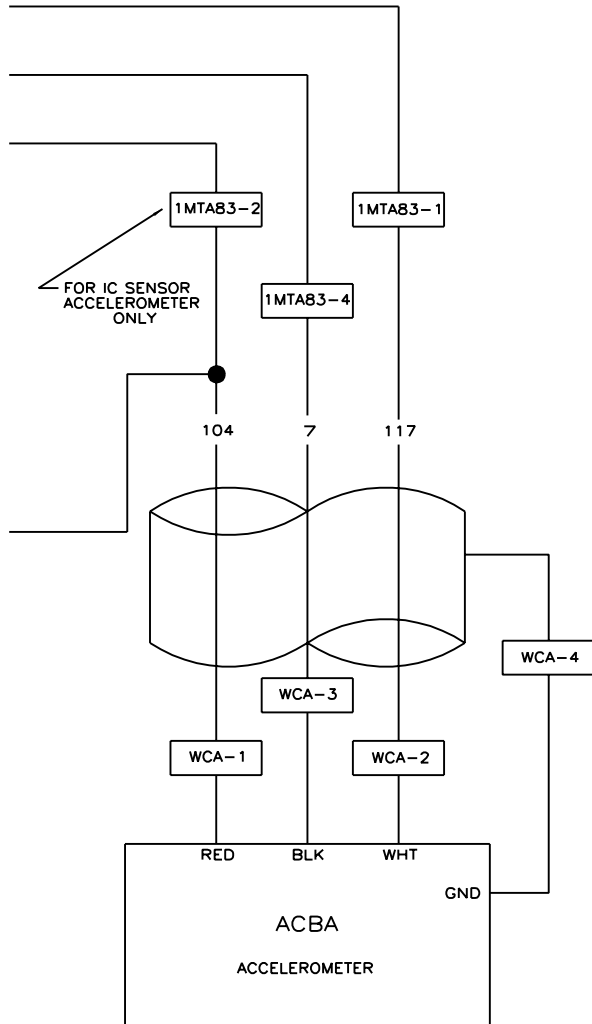
SCHEMATIC: BALANCING VALVES
MODIFIED FOR ELECTRONIC BALANCE

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



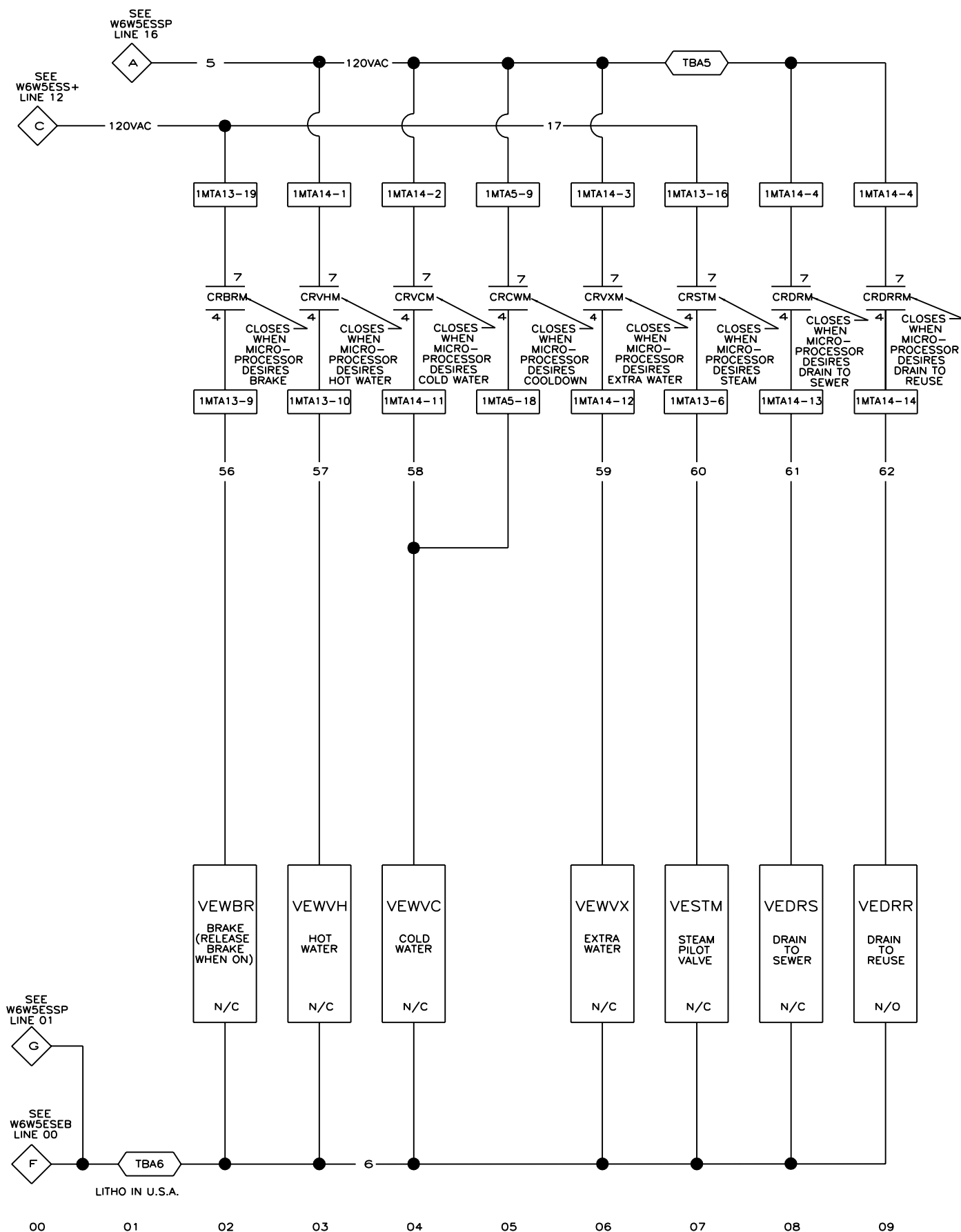
W6W5ESEC
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: ELECTRONIC BALANCE/LEVEL
PELLERIN MILNOR CORPORATION

WIRING	VOLTAGE	WIRE COLOR
103	+5VDC	BLUE
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
—	24VAC	BLUE/RED
—	120VAC	RED
6	CONTROL GROUND	RED/WHITE

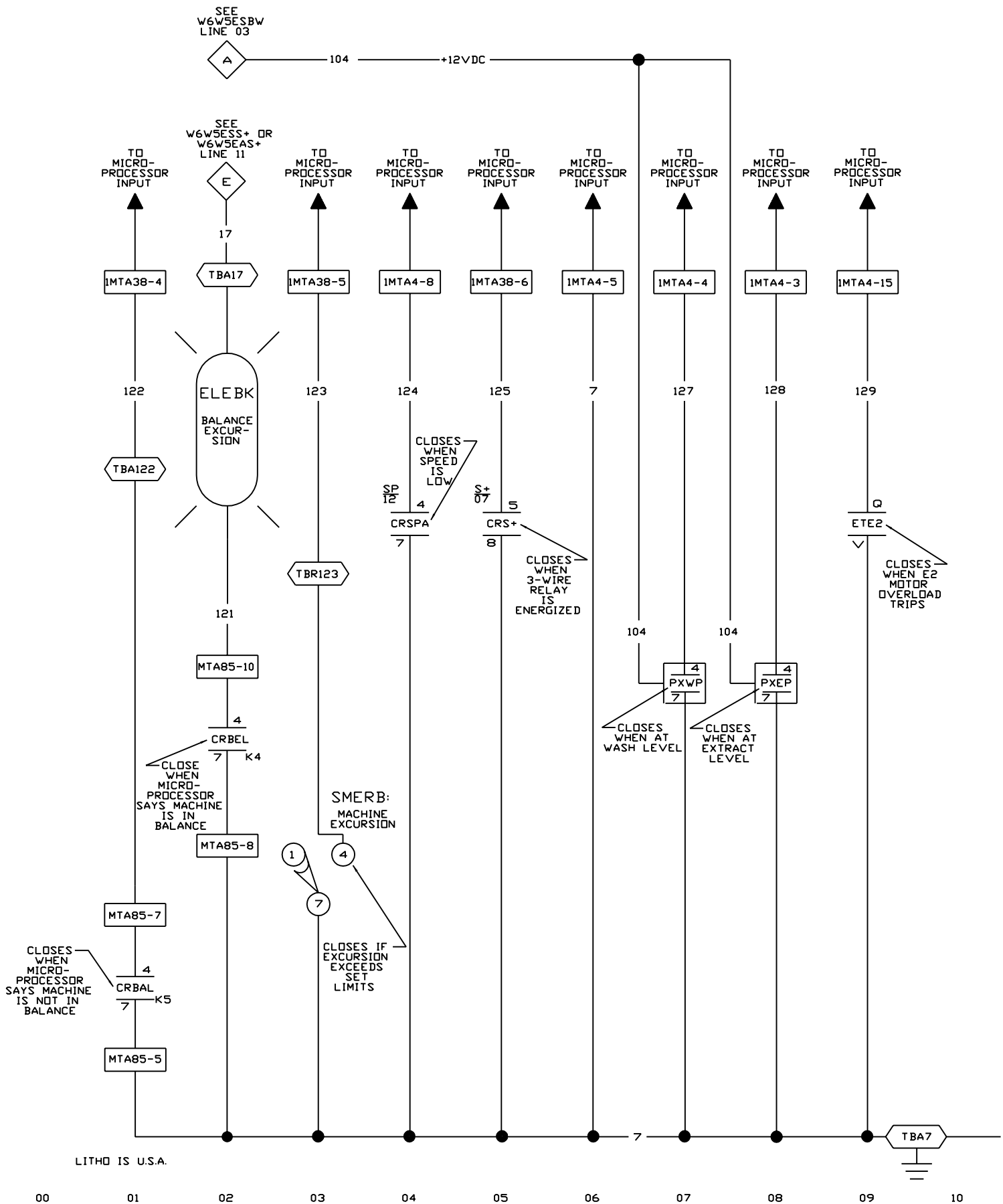


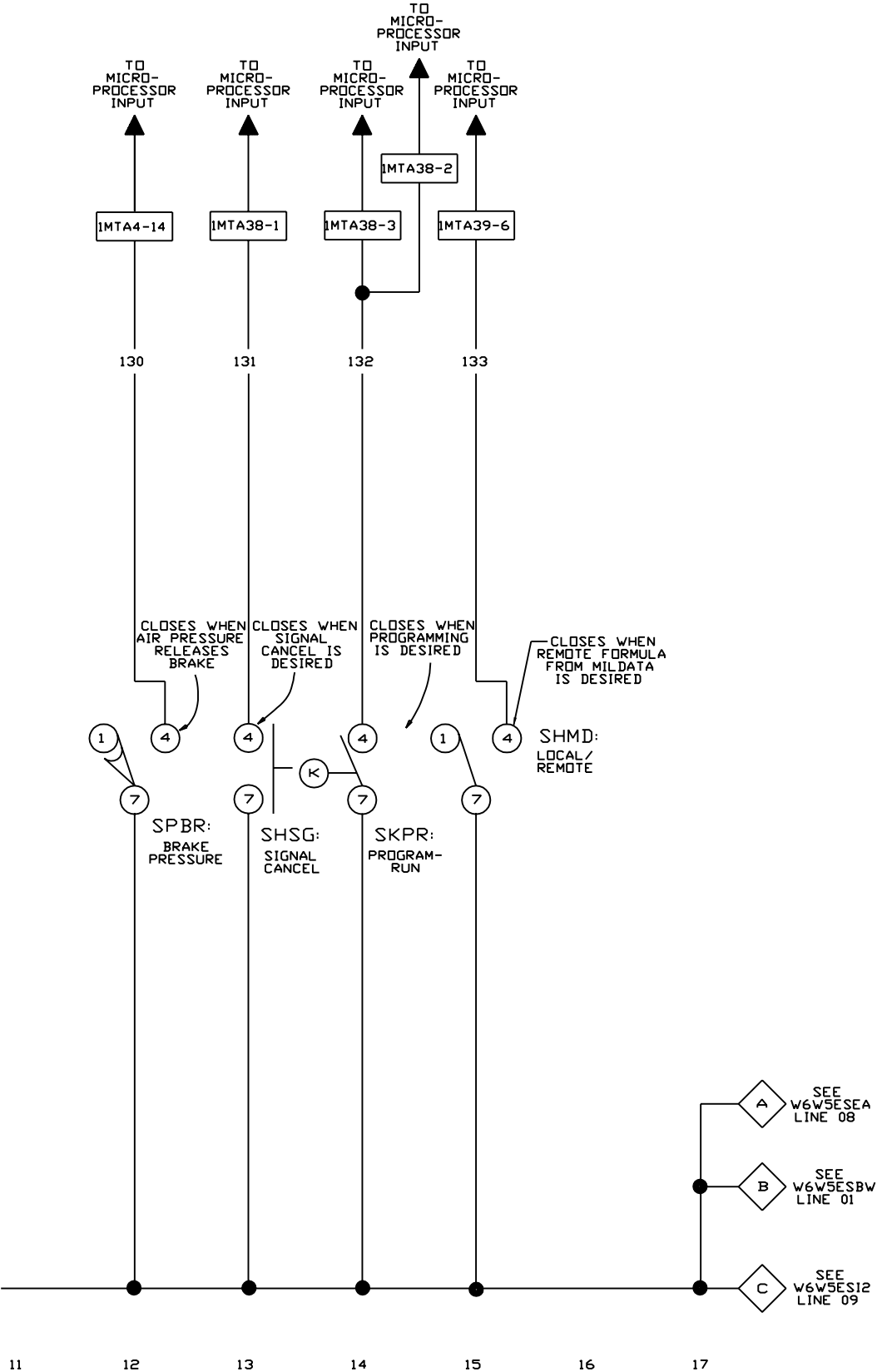
NOTES:

1. WIRE 2H IS AN ANALOG GROUND WHICH CONNECTS DIRECTLY TO COPPER BUSS BAR.
2. TB3 IS LOCATED IN THE LOW VOLTAGE CONTROL BOX.
3. WCA IS LOCATED AT THE ACCELEROMETER.

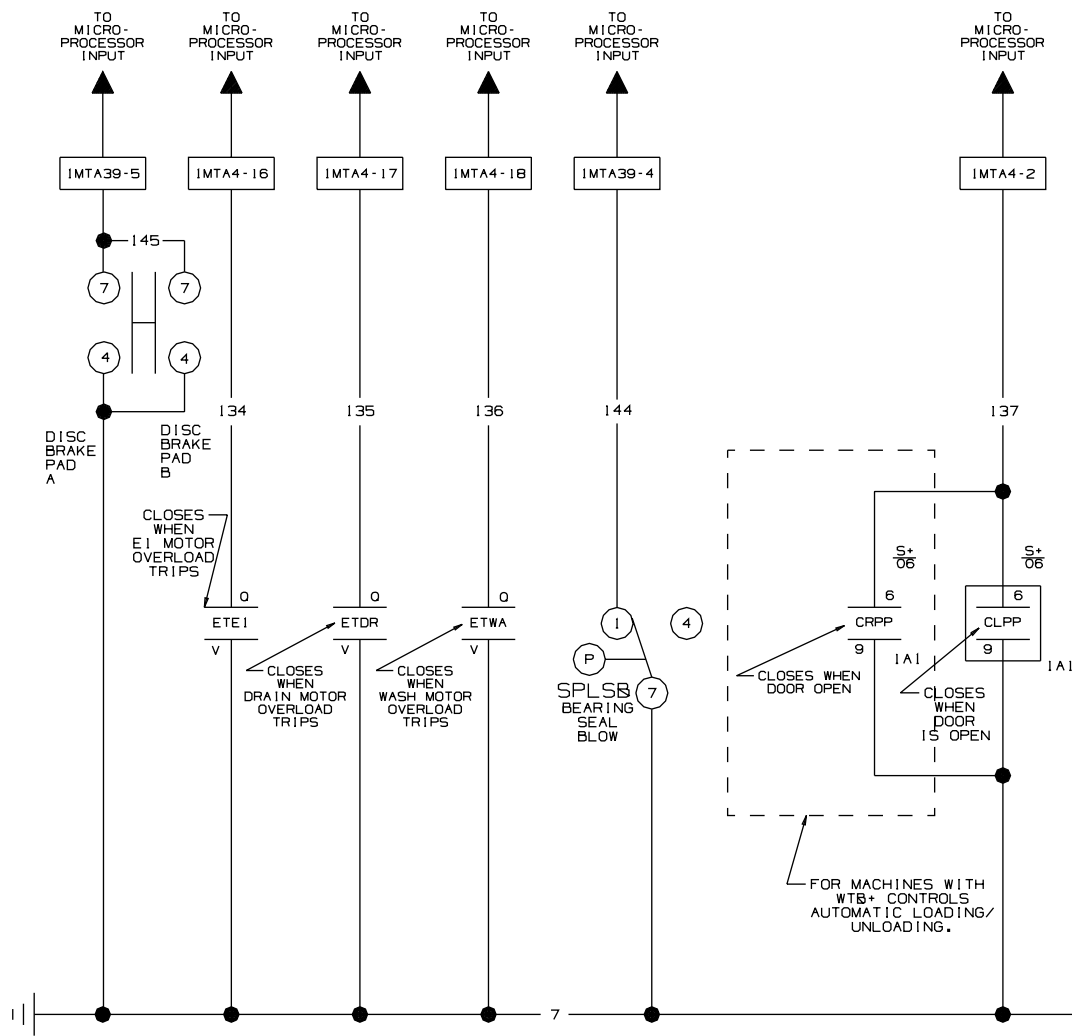


W6W5E5EV
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: ELECTRICAL VALVES
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



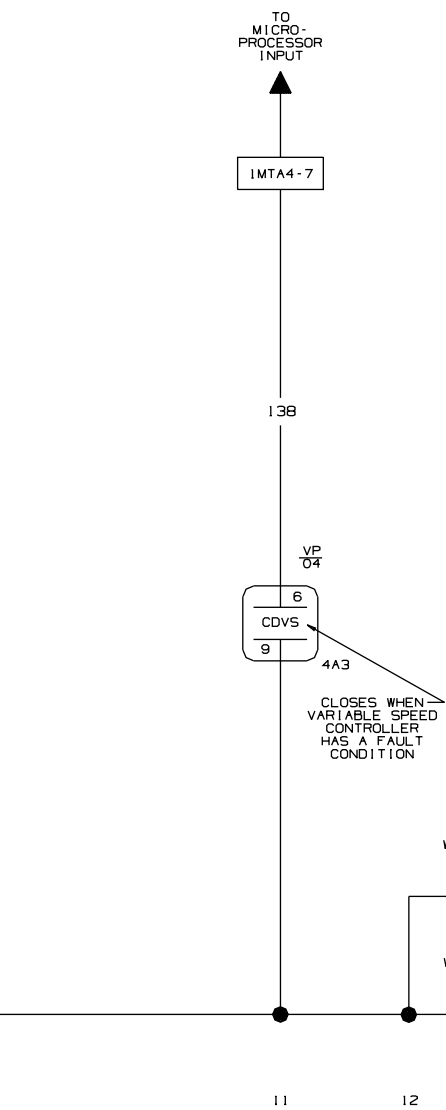


W6W5ES11
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: MICROPROCESSOR INPUTS
PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

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)

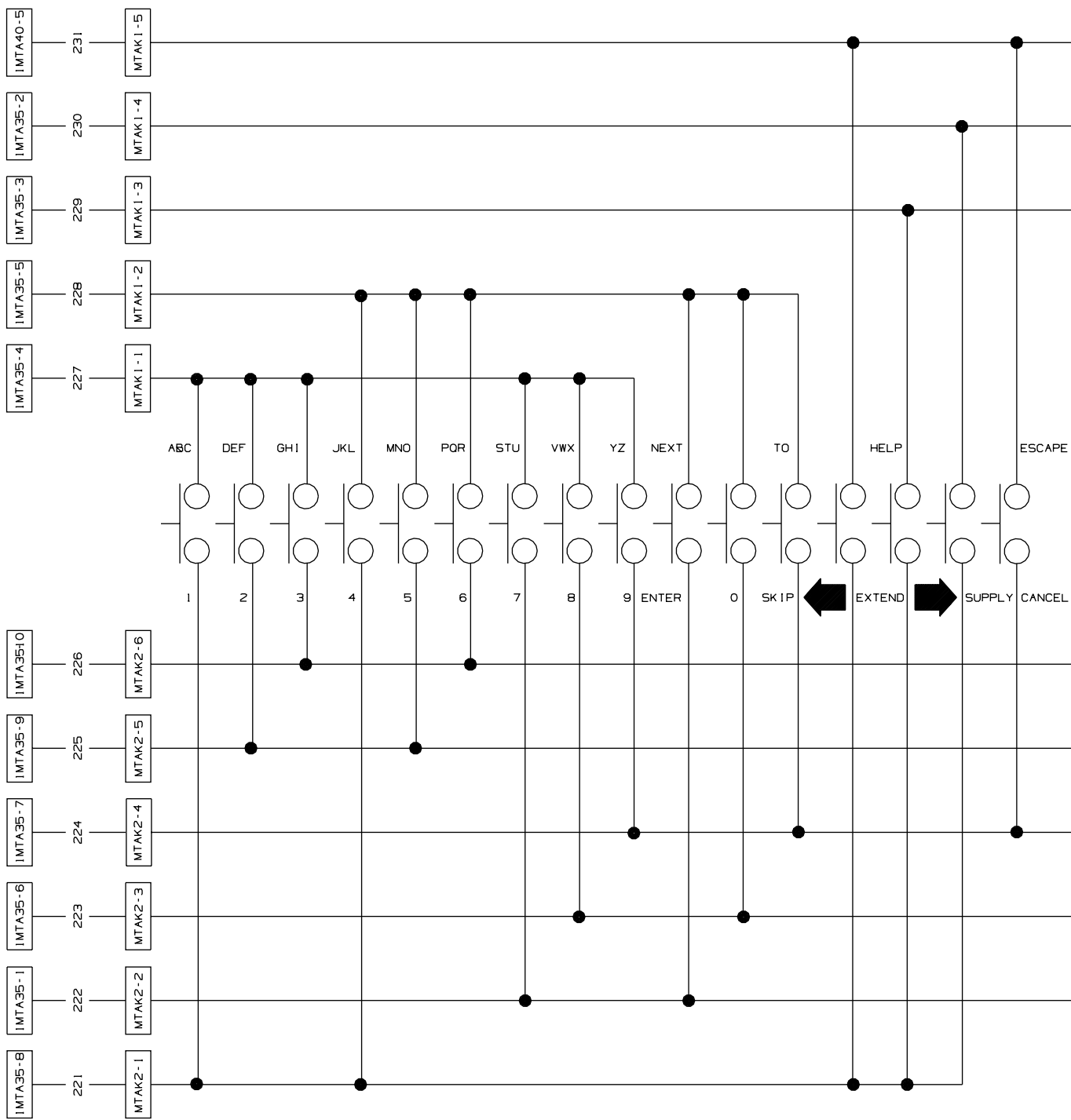
W6W5ES12

MICRO 6 SYSTEMS

MARK V

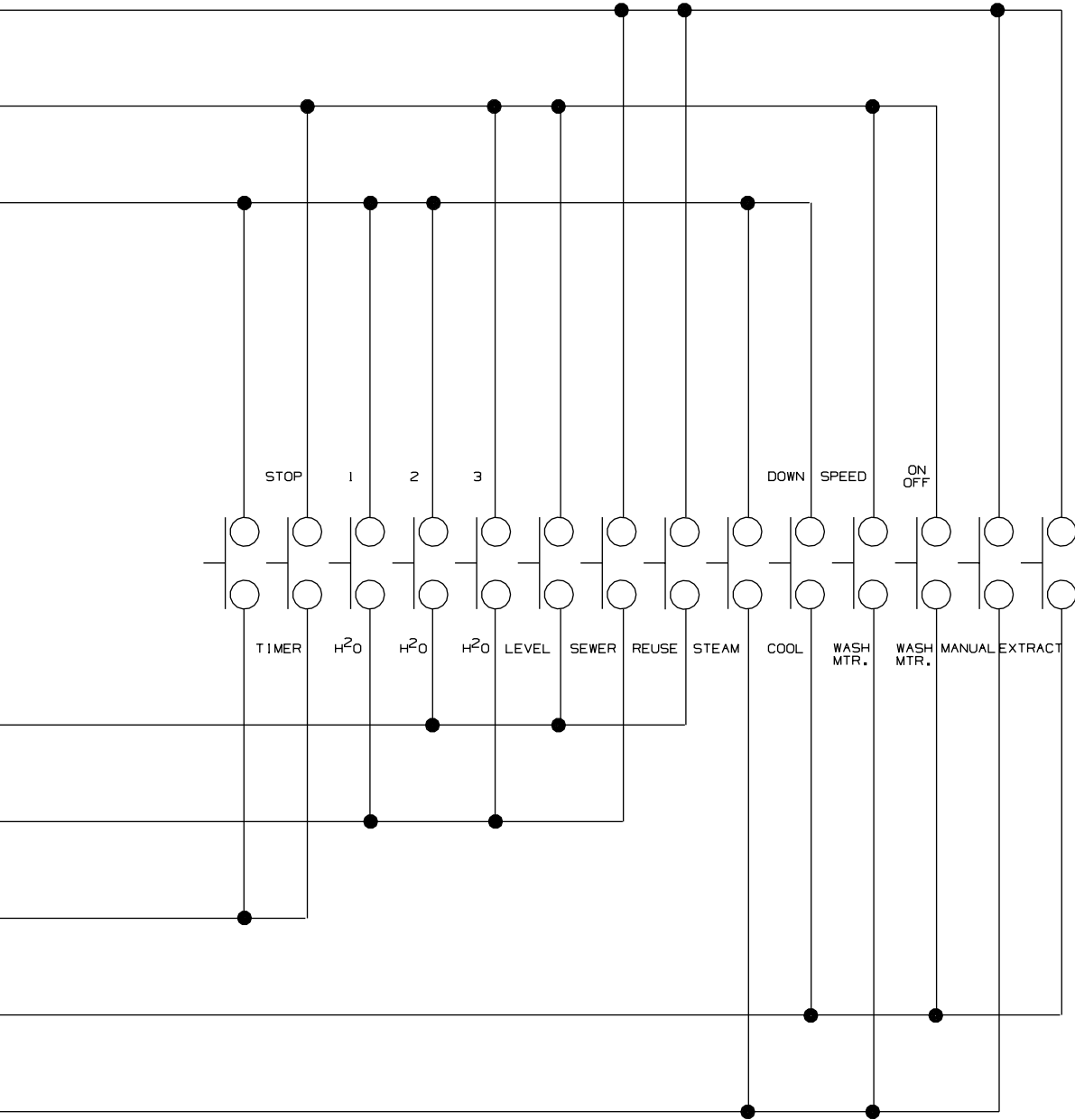
SCHEMATIC: MICROPROCESSOR INPUTS

PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10



NOTES:

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

11

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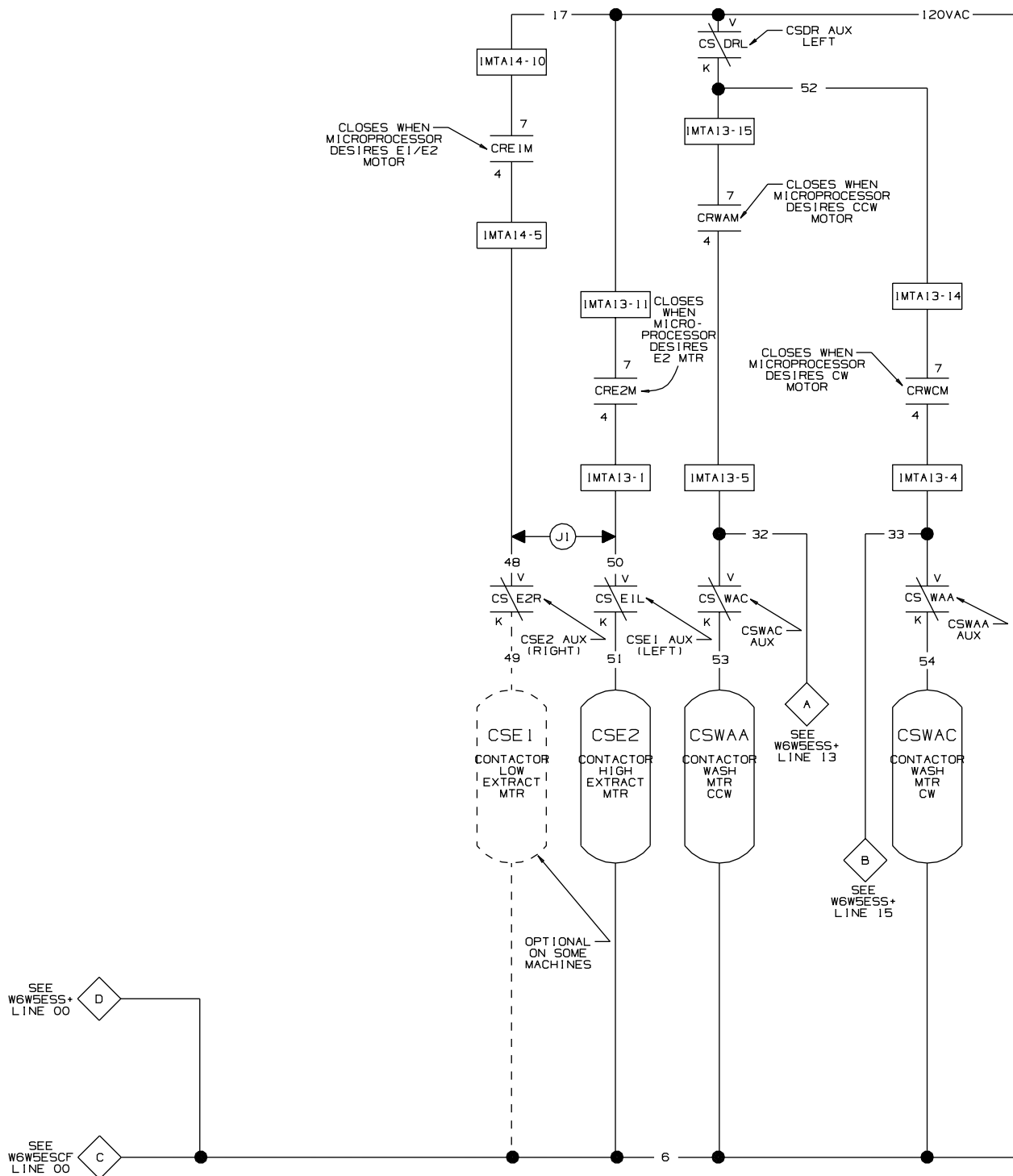
W6W5ESKP

MICRO 6 SYSTEMS

MARK V

SCHEMATIC: KEYPAD (SERIAL CONTROLS)

PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

00

01

02

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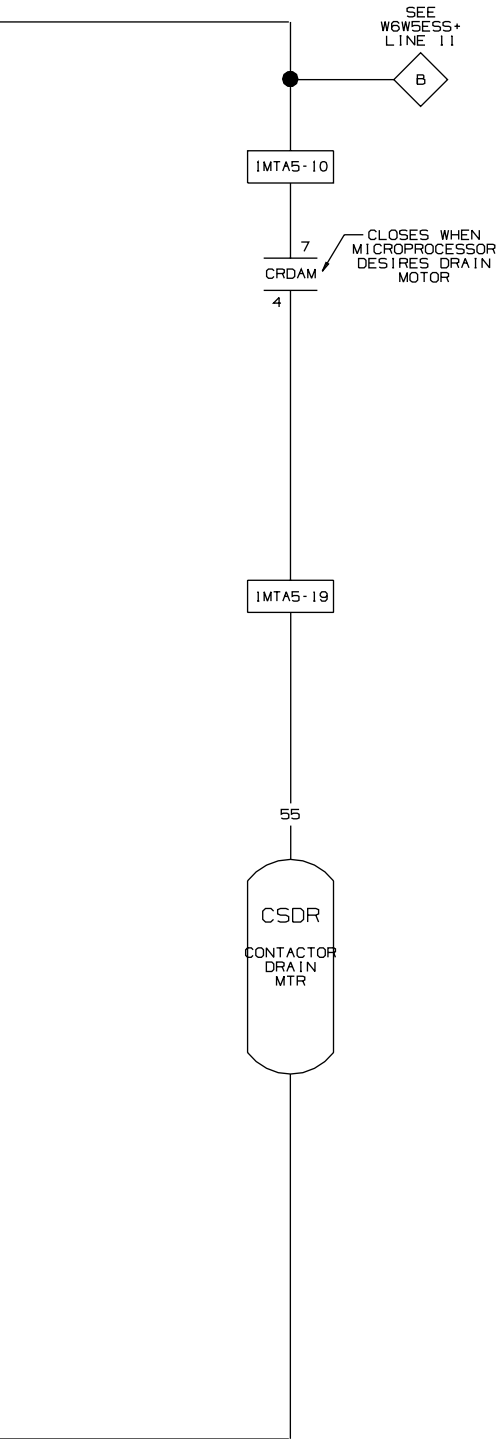
06

07

08

09

10

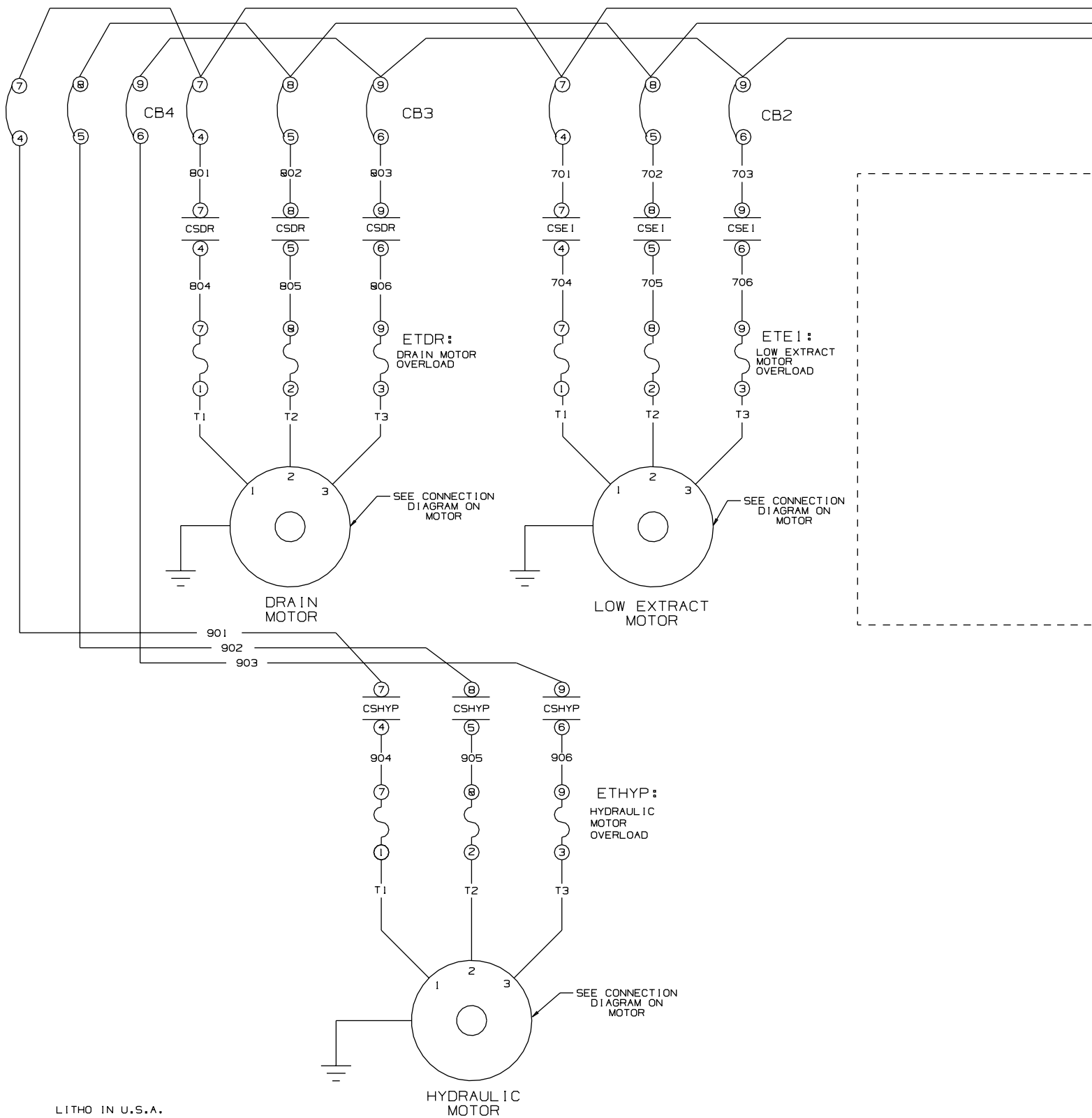


NOTES:

1. REMOVE (J1) FOR TWO SPEED EXTRACT.
2. SEE DRAWING W6W2ESVP FOR WASH MOTOR CONTACTOR WITH VARIABLE SPEED CONTROLLER OPTION.

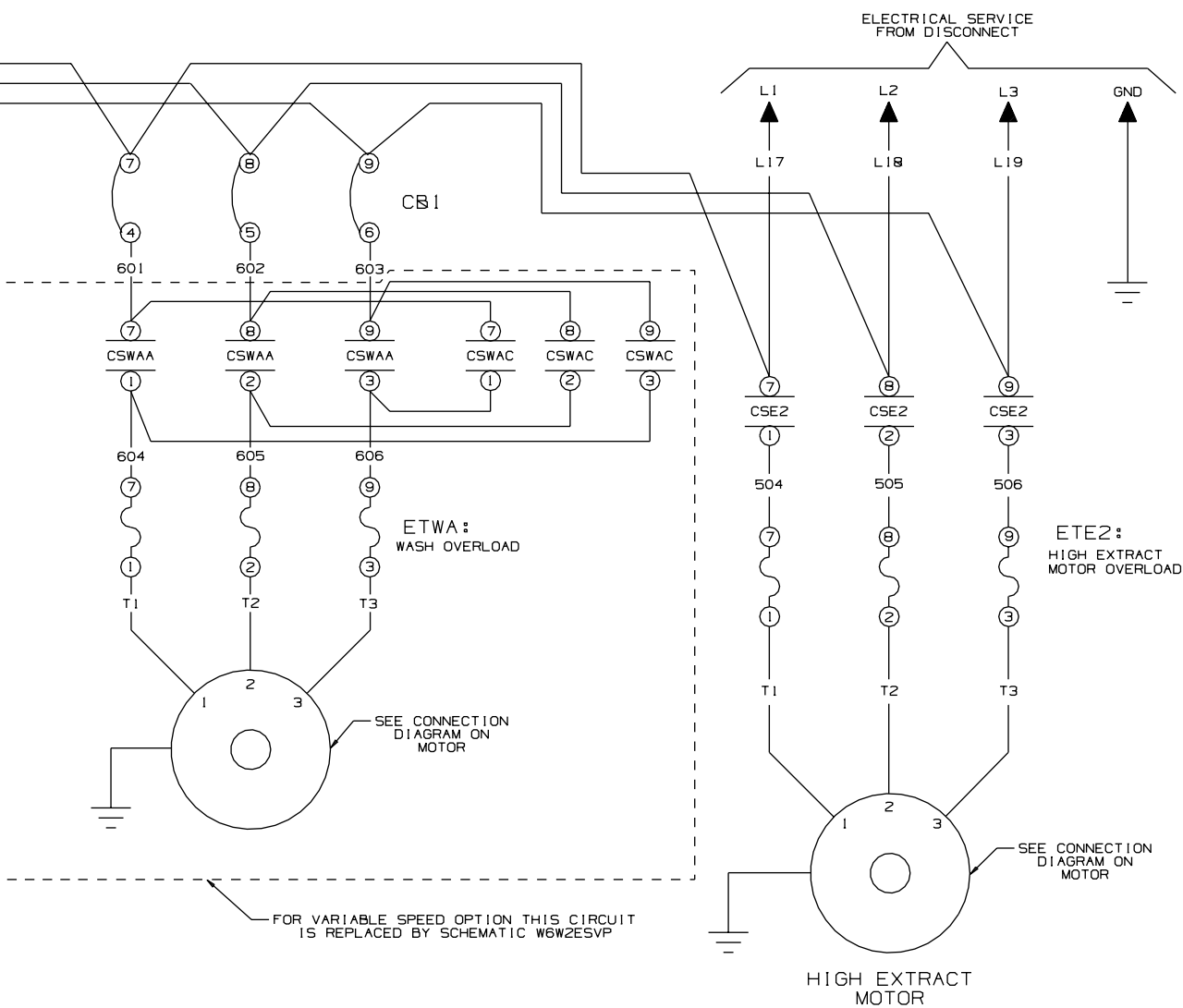
W6W5ESMC
 MICRO 6 SYSTEMS
 MARK V
 SCHEMATIC: DRIVE MOTOR CONTACTOR
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION

11 12 13 14 15



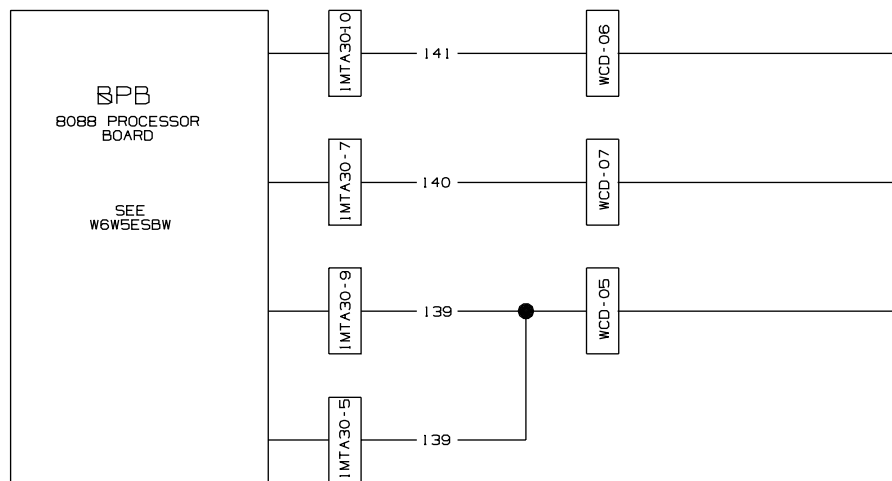
LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09



W6W5ESMT
MICRO 6 SYSTEMS
MARK V
SCHEMATICS: TYPICAL OPEN
POCKET MOTOR CONNECTIONS
PELLERIN MILNOR CORPORATION

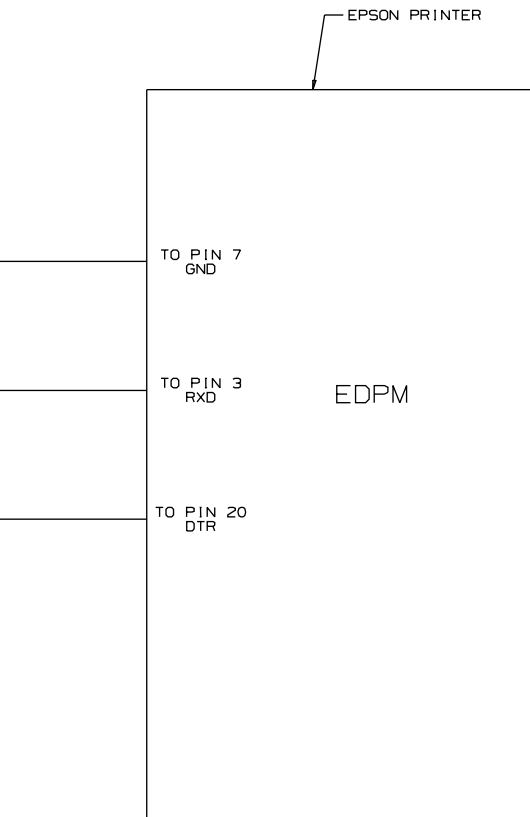
NOTE:
THIS IS A TYPICAL MOTOR DRAWING.
YOUR MACHINE MAY DIFFER BECAUSE
OF VOLTAGE AND/OR OPTIONS.



LITHO IN U.S.A.

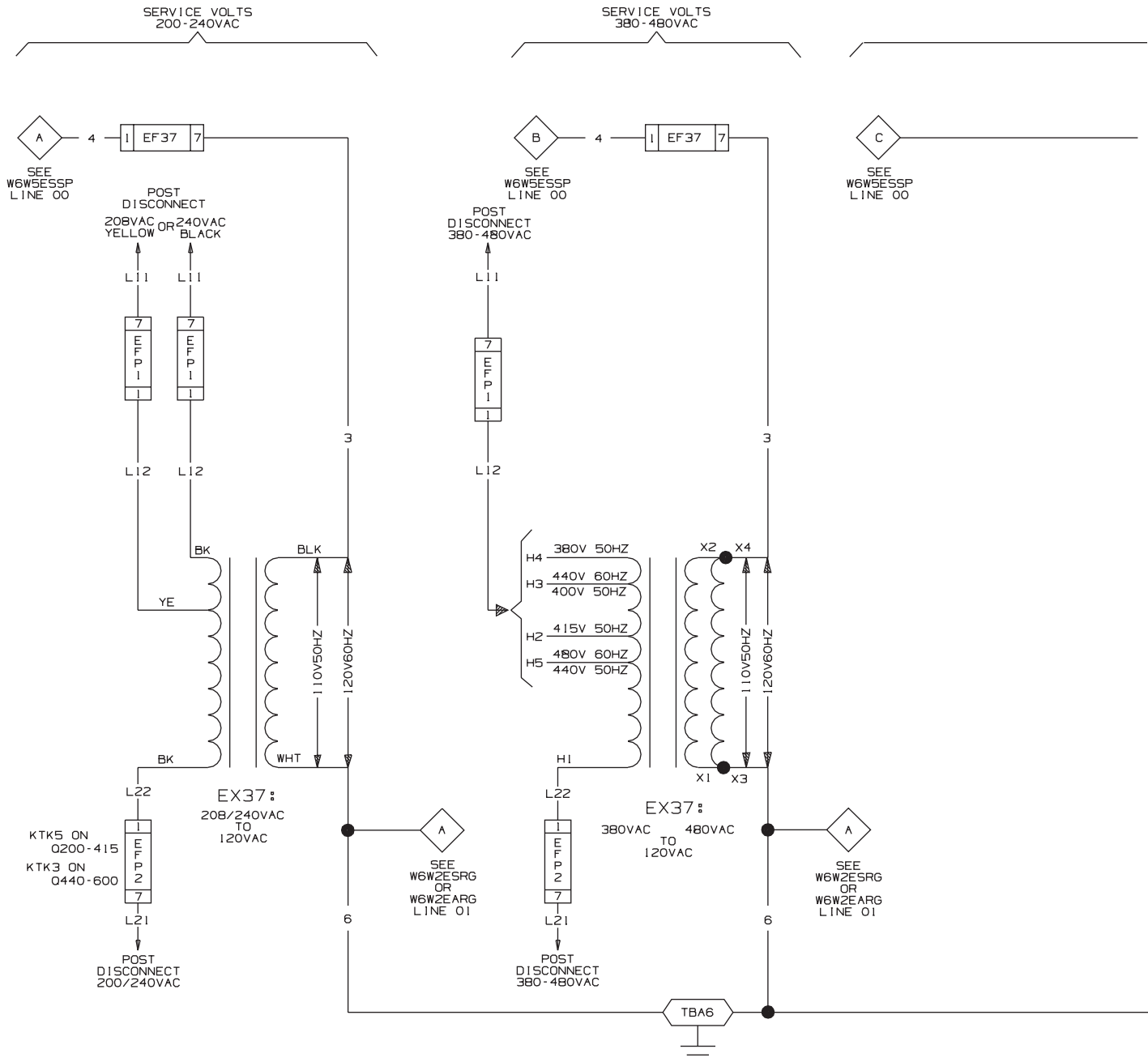
00 01 02 03 04 05 06 08 09 10

11 12 13 14 15 16 17 18



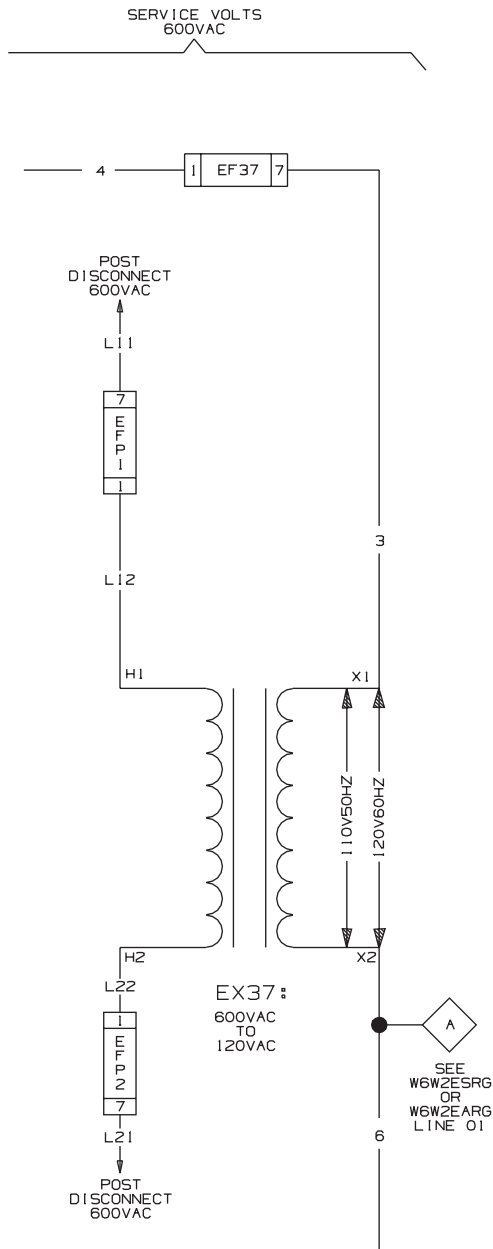
W6W5ESPI
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: PRINTER WIRING
PELLERIN MILNOR CORPORATION

CONTROL CIRCUIT POWER



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09



W6W5E5PS

MICRO 6 SYSTEMS

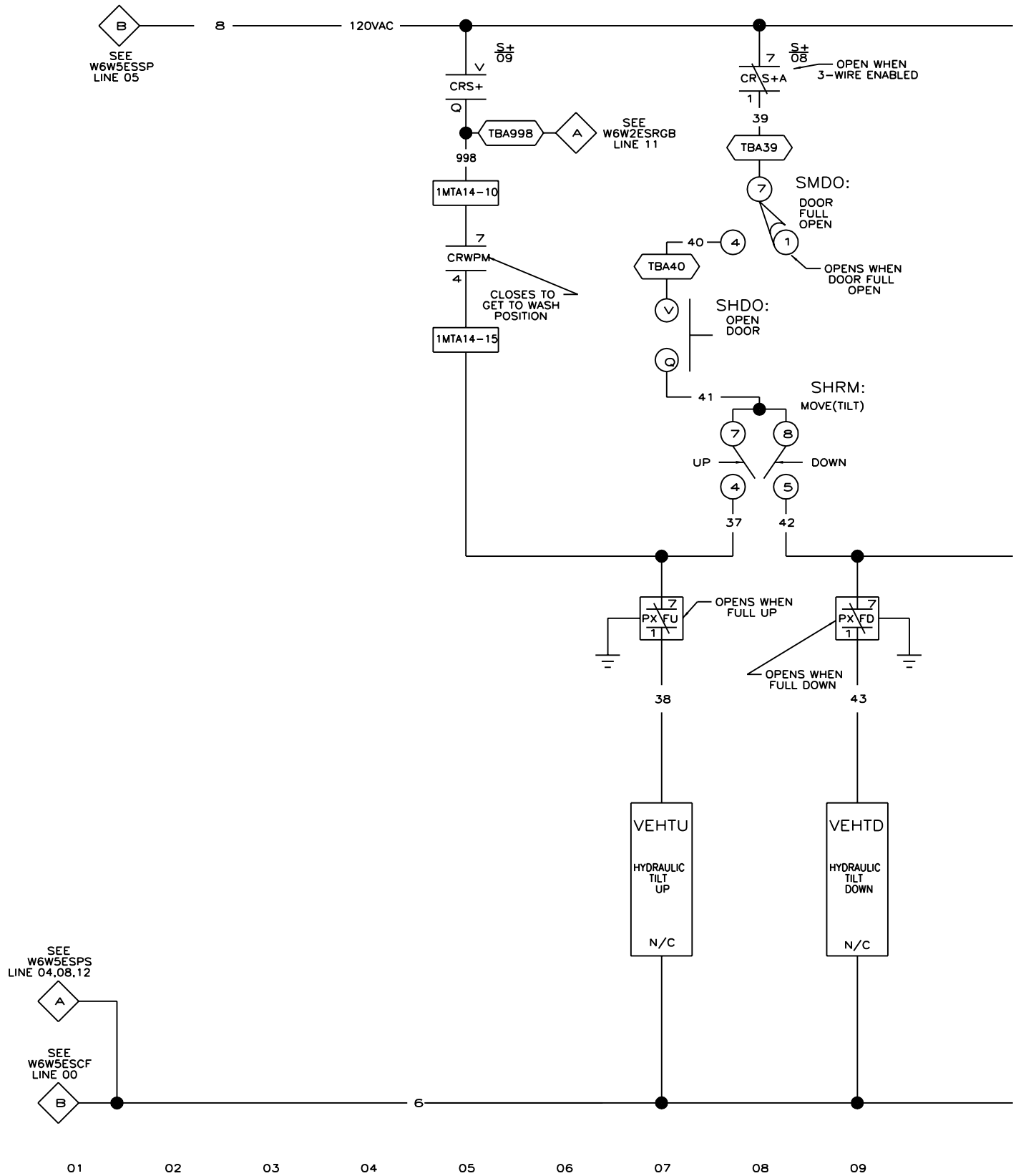
MARK V

SCHEMATIC: CONRTOL CIRCUIT POWER

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

10 11 12 13 14 15



00

01

02

03

04

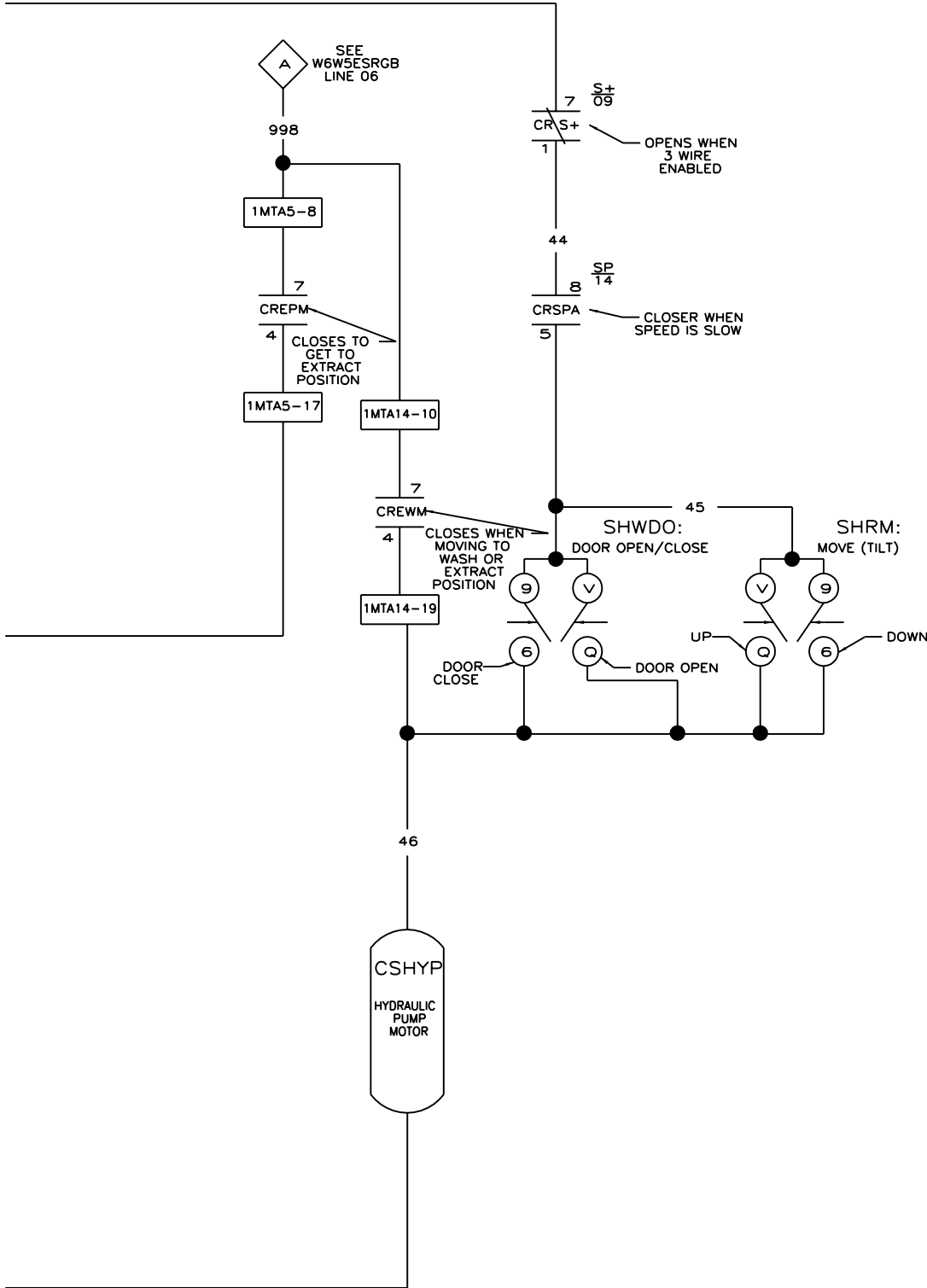
05

06

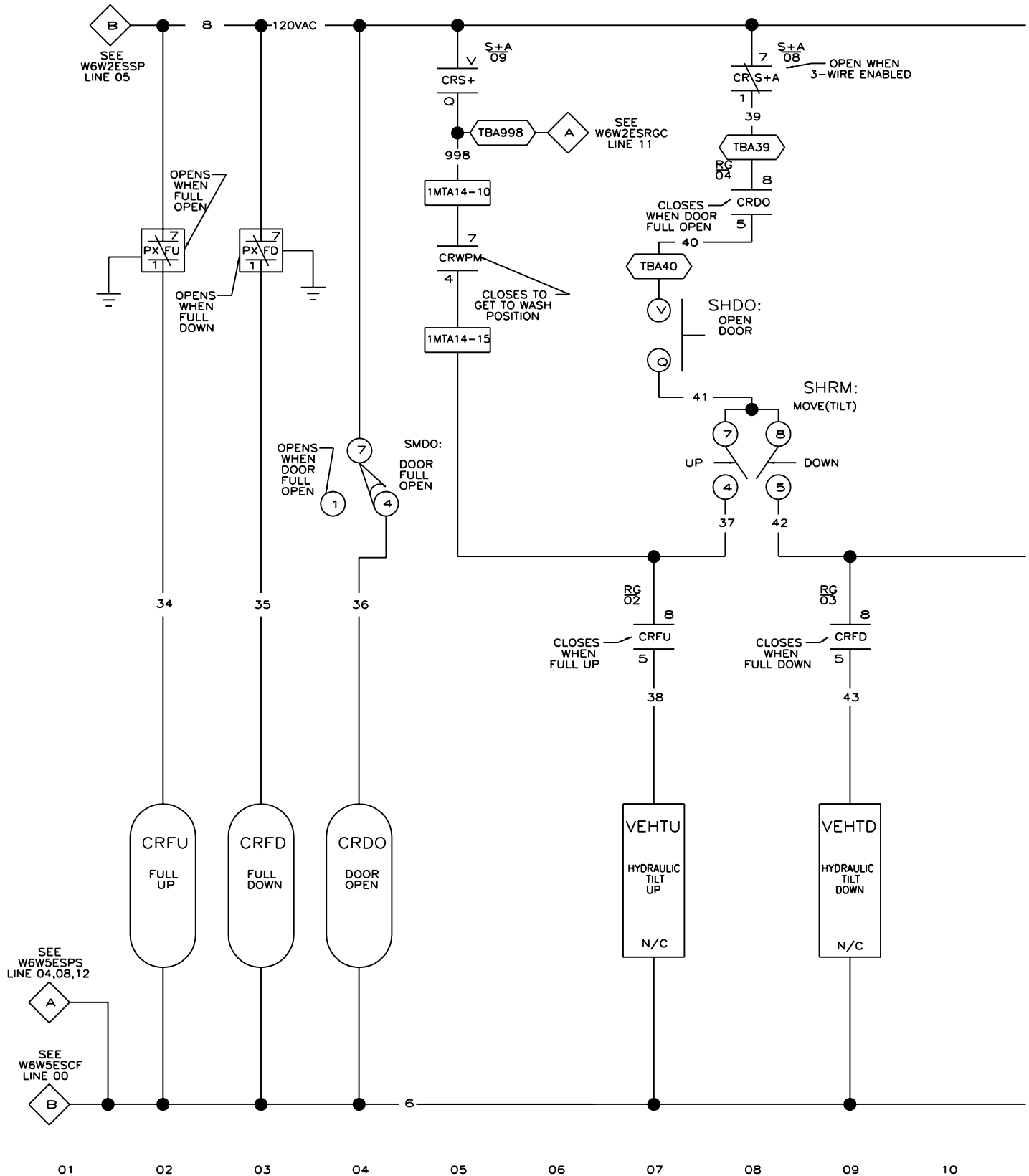
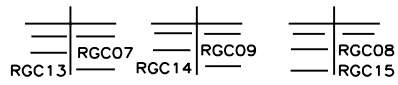
07

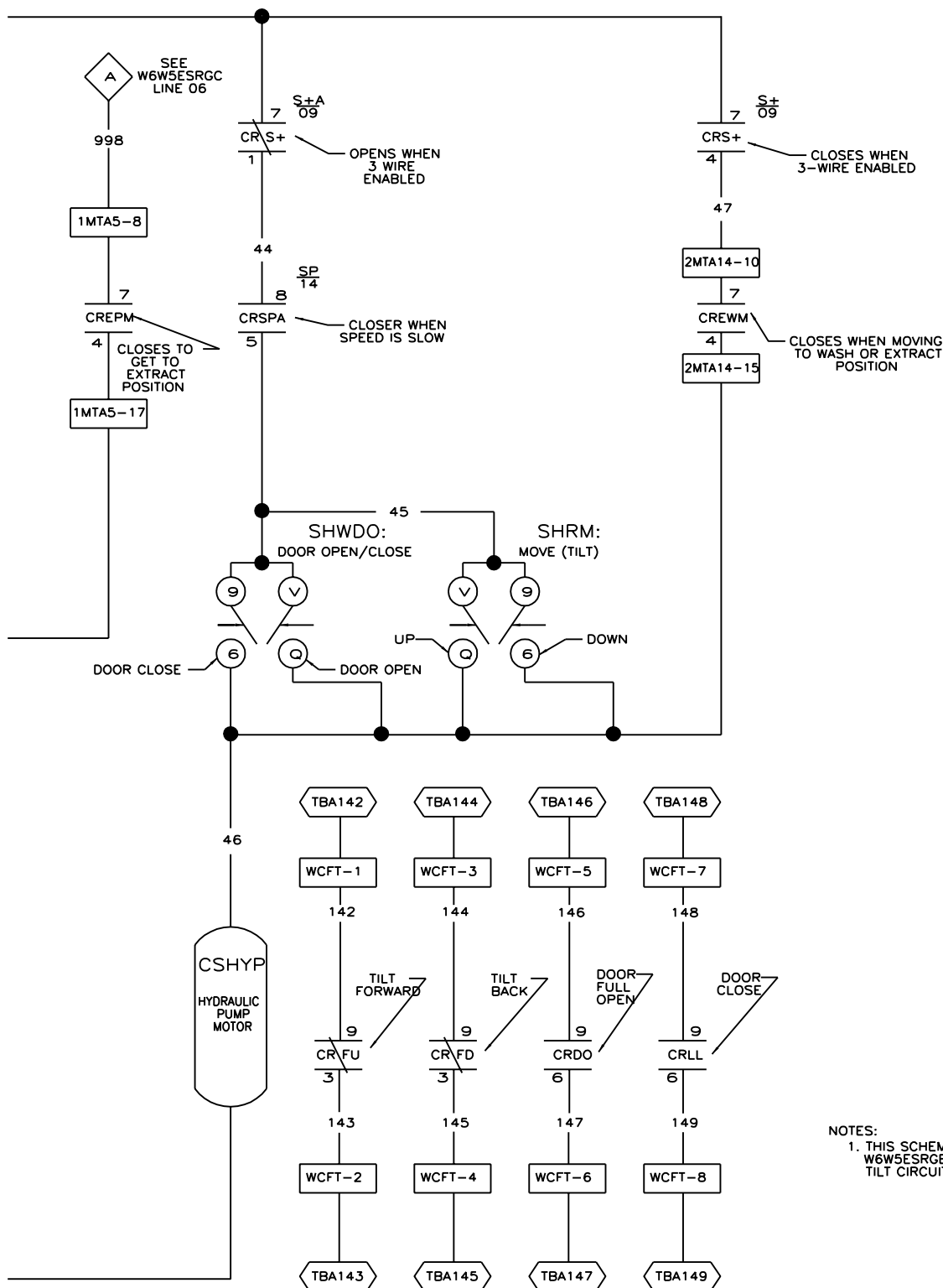
08

09



W6W5ESRGB
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: RAISE HOUSE (HYDRAULIC)
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION





NOTES:
1. THIS SCHEMATIC REPLACES
W6W5ESRGB FOR FRENCH
TILT CIRCUIT.

W6W5ESRGC

MICRO 6 SYSTEMS

MARK V

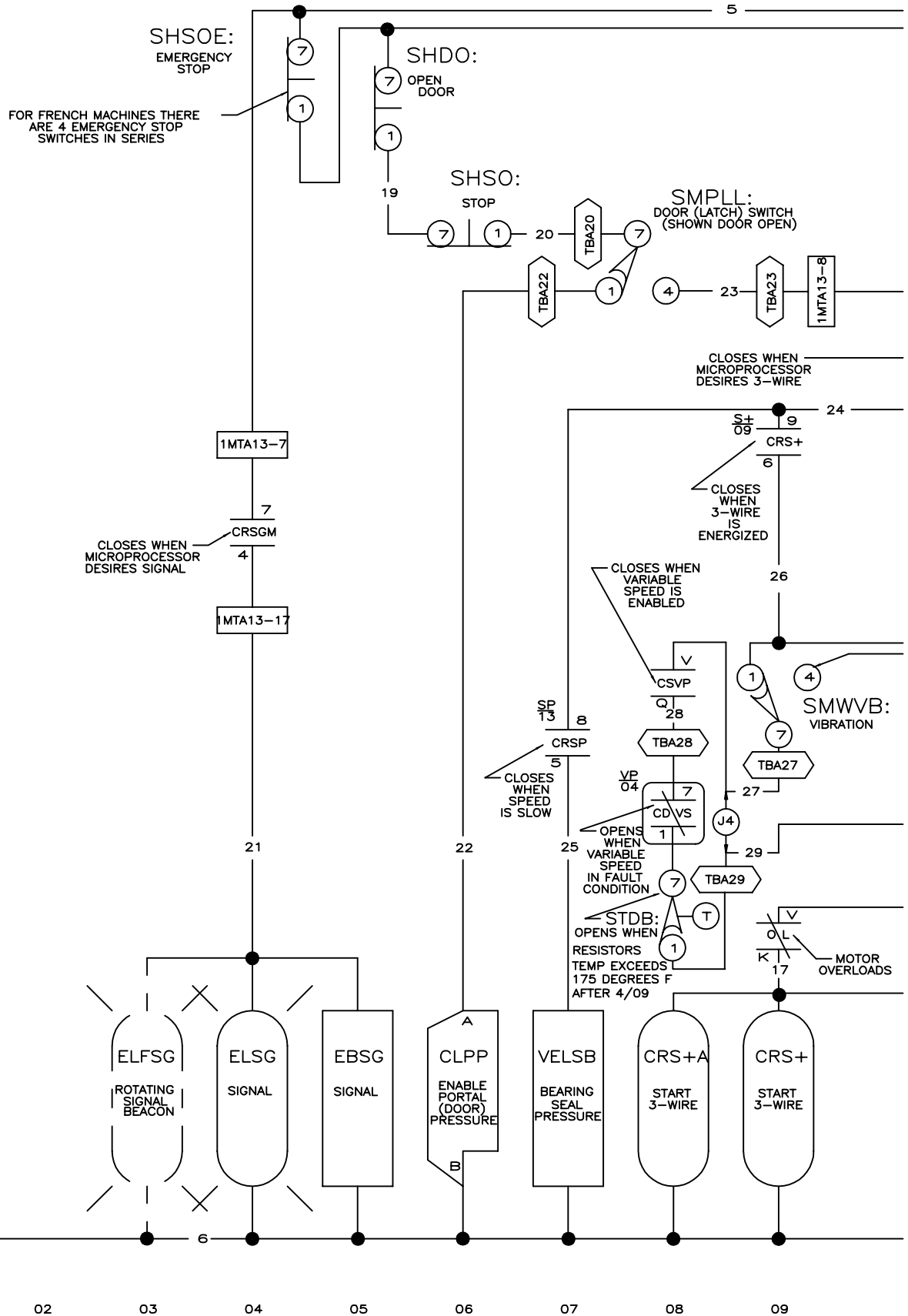
SCHEMATIC: RAISE HOUSE (HYDRAULIC)

FOR FRENCH TILT CIRCUIT ONLY

PELLERIN MILNOR CORPORATION

SP02 SP01
1207

RGB08 RGB05 RGB12 RGB12
1105
RGB05

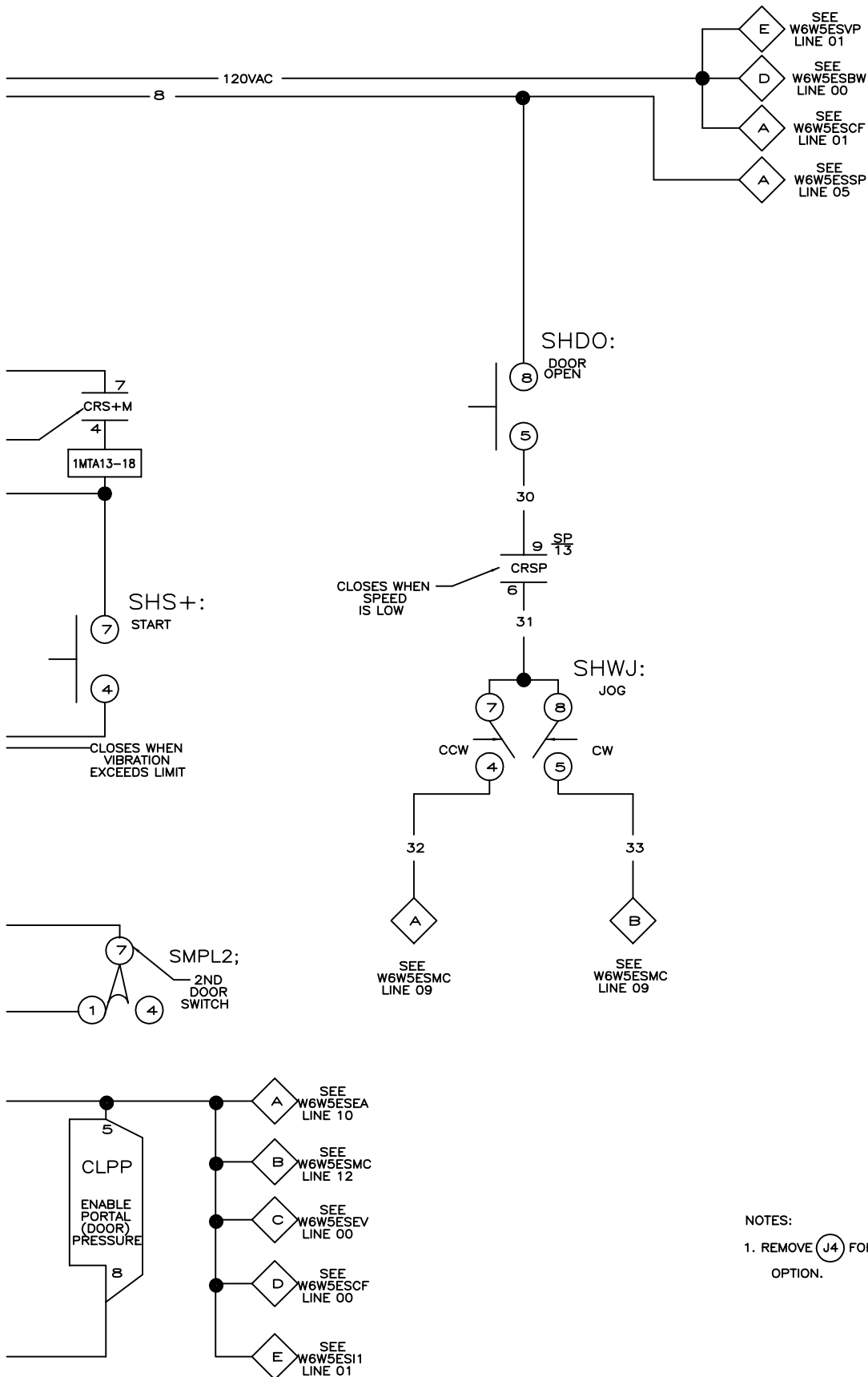


SEE
W6W5ESEB
LINE 00

SEE
W6W5ESMC
LINE 02

LITHO IN U.S.A.

W6W5ESS+
2009196B



W6W5ESS+ MICRO 6 SYSTEMS MARK V SCHEMATIC: START CIRCUIT

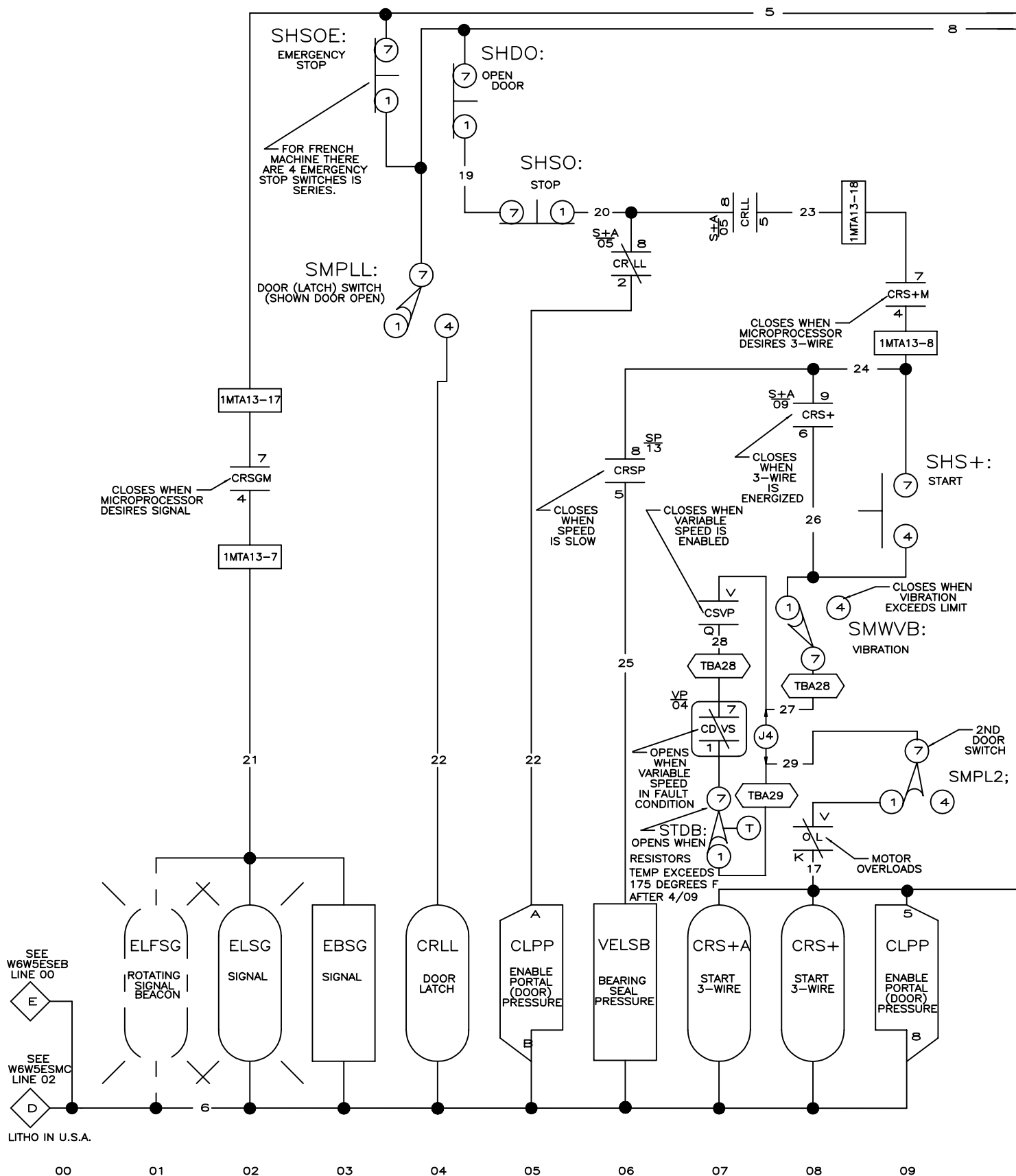
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

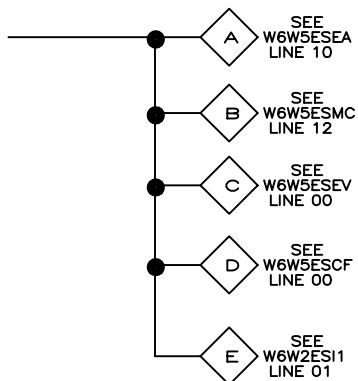
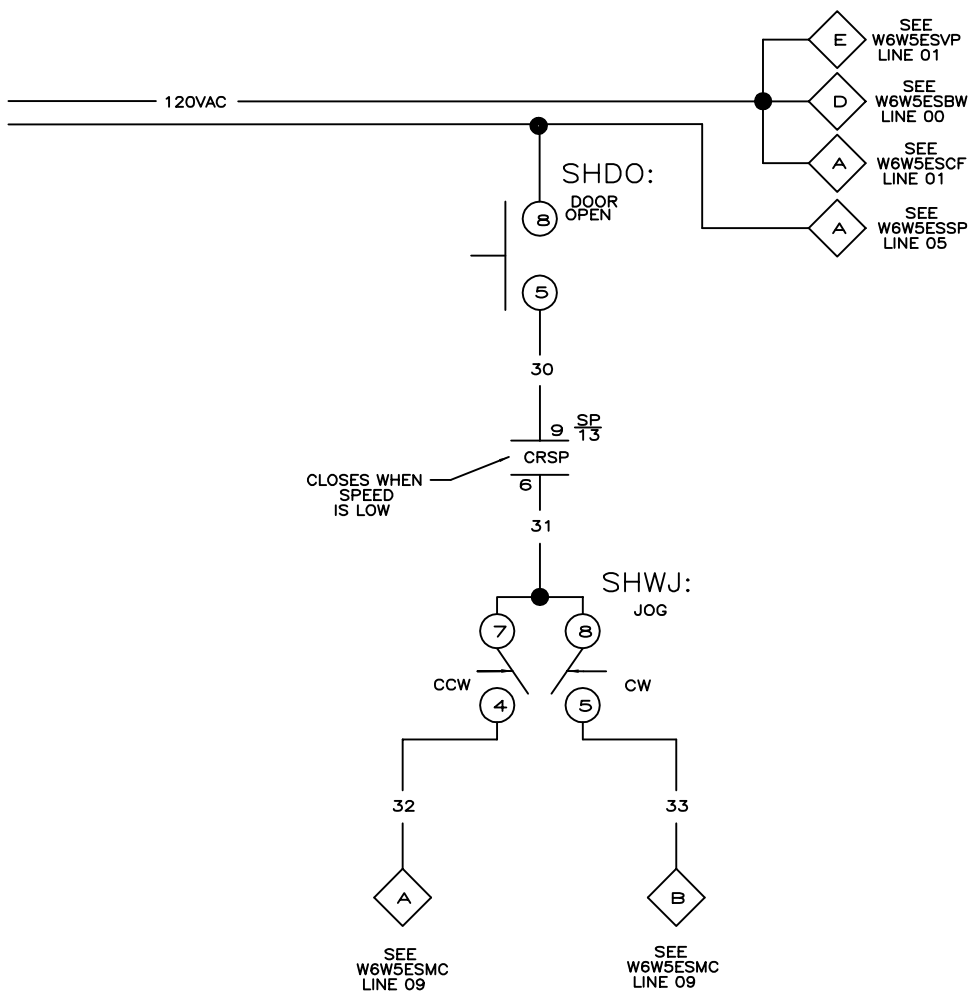
NOTES:

1. REMOVE (J4) FOR VARIABLE SPEED OPTION.

SP02 SP01
I207

RGC08 RGC05 RGC12 RGC12
105
RGC05





W6W5ESS+A

MICRO 6 SYSTEMS

MARK V

SCHEMATIC: START CIRCUIT

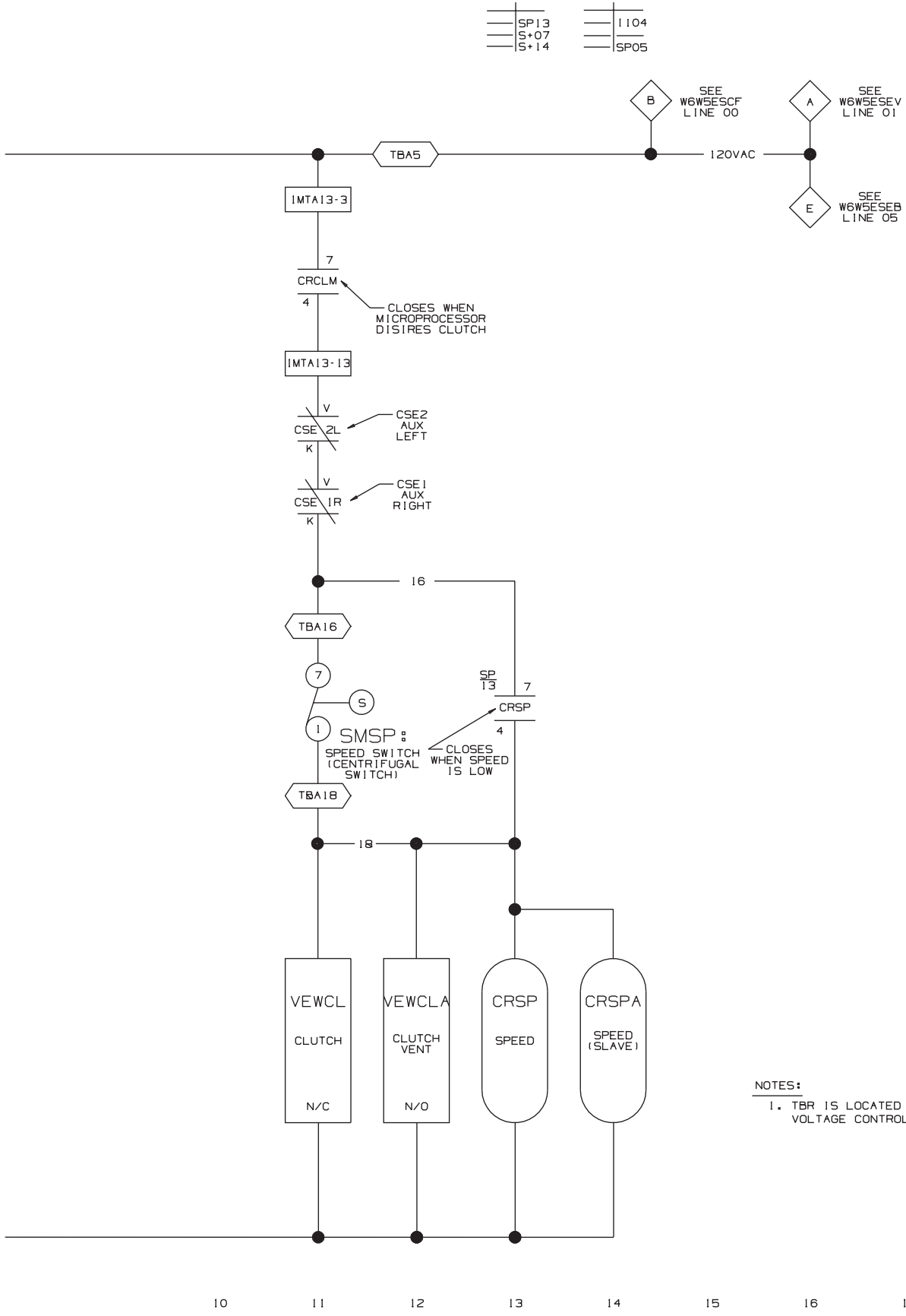
FOR FRENCH TILT CIRCUIT ONLY

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

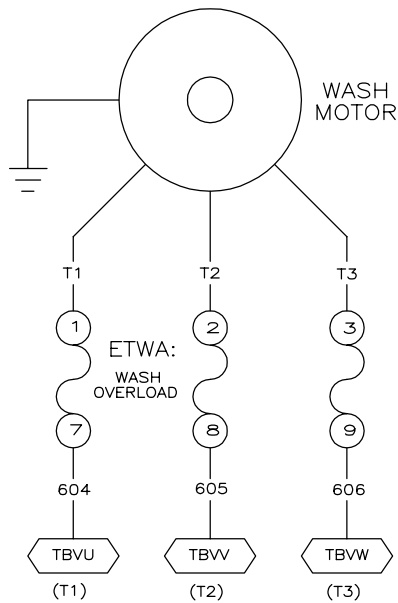
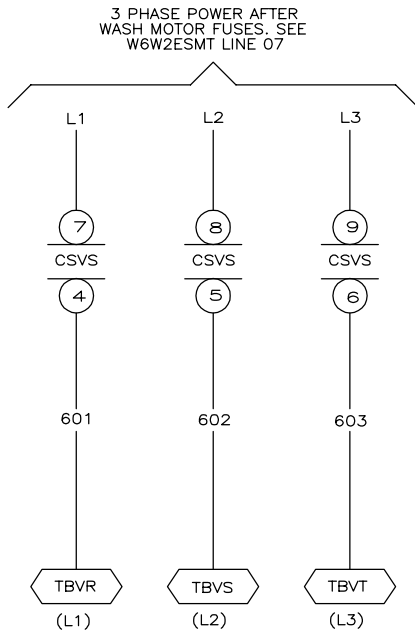
NOTES:

1. REMOVE (J4) FOR VARIABLE SPEED OPTION.
2. THIS SCHEMATIC REPLACES W6W5ESS+B FOR FRENCH TILT CIRCUIT.



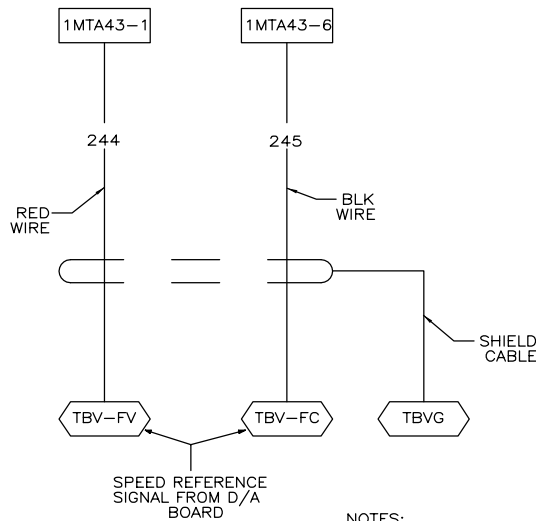
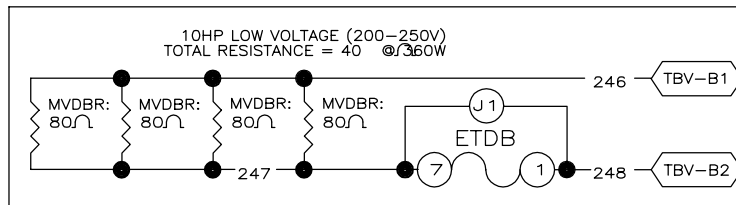
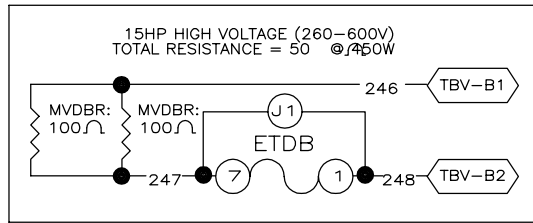


W6W5ESSP
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: SPEED, DOOR
CIRCUITS & MASTER SWITCH
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION



NOTES:

1. TBV IS LOCATED IN VARIABLE SPEED CONTROLLER BOX ON VARIABLE SPEED CONTROLLER.
2. 1MTA43 IS LOCATED ON BDA-1 (DIGITAL TO ANALOG BOARD).
3. (J1) USED AFTER 5/1/09



NOTES:

SHIELD IS ONLY CONNECTED ON ONE SIDE

W6W5ESVP

MICRO 6 SYSTEMS

MARK V 505

SCHEMATIC: OPTIONAL VARIABLE SPEED CONTROLLER

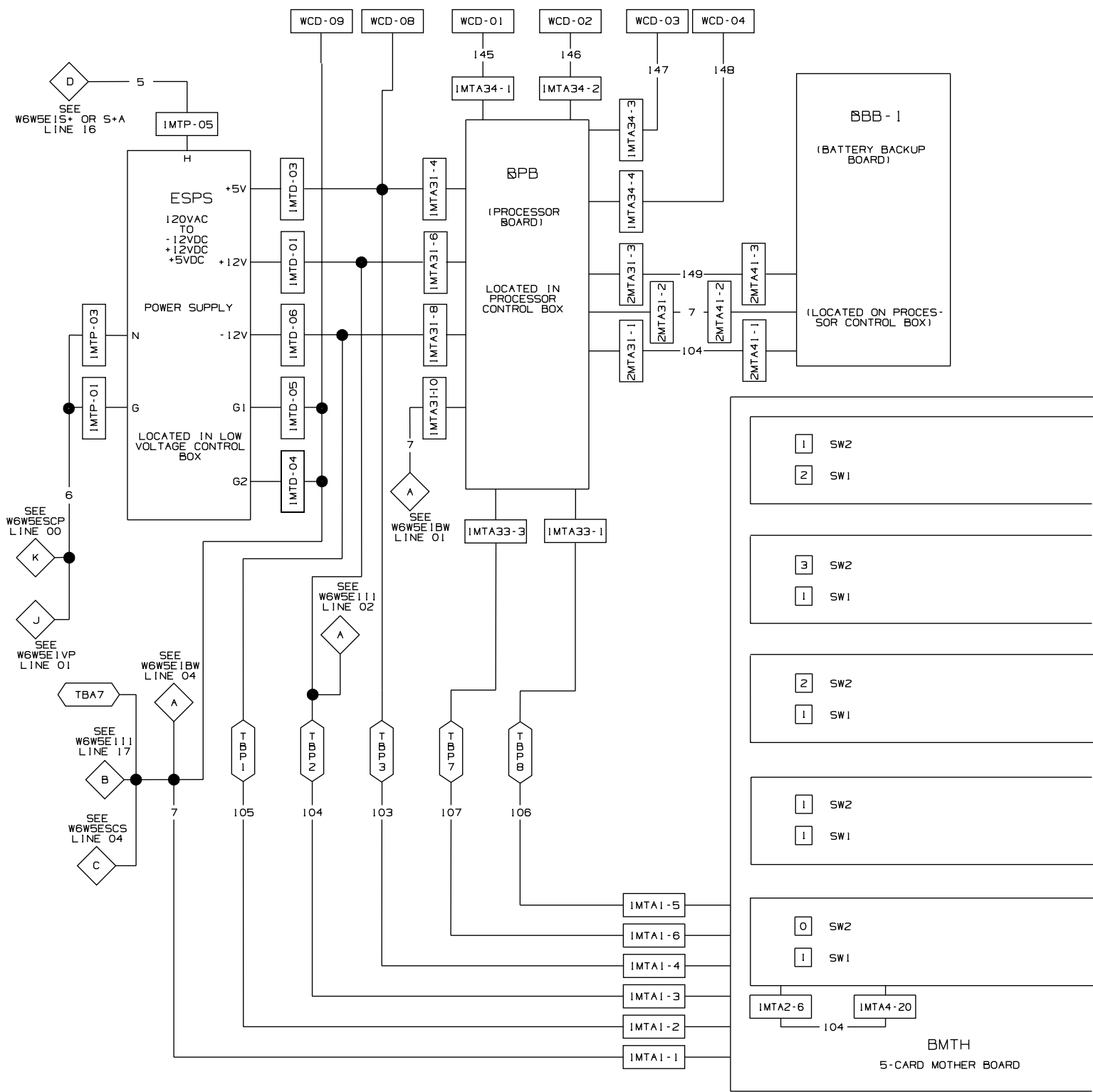
PELLERIN MILNOR CORPORATION

W6W5ESVP
2009196B

Section

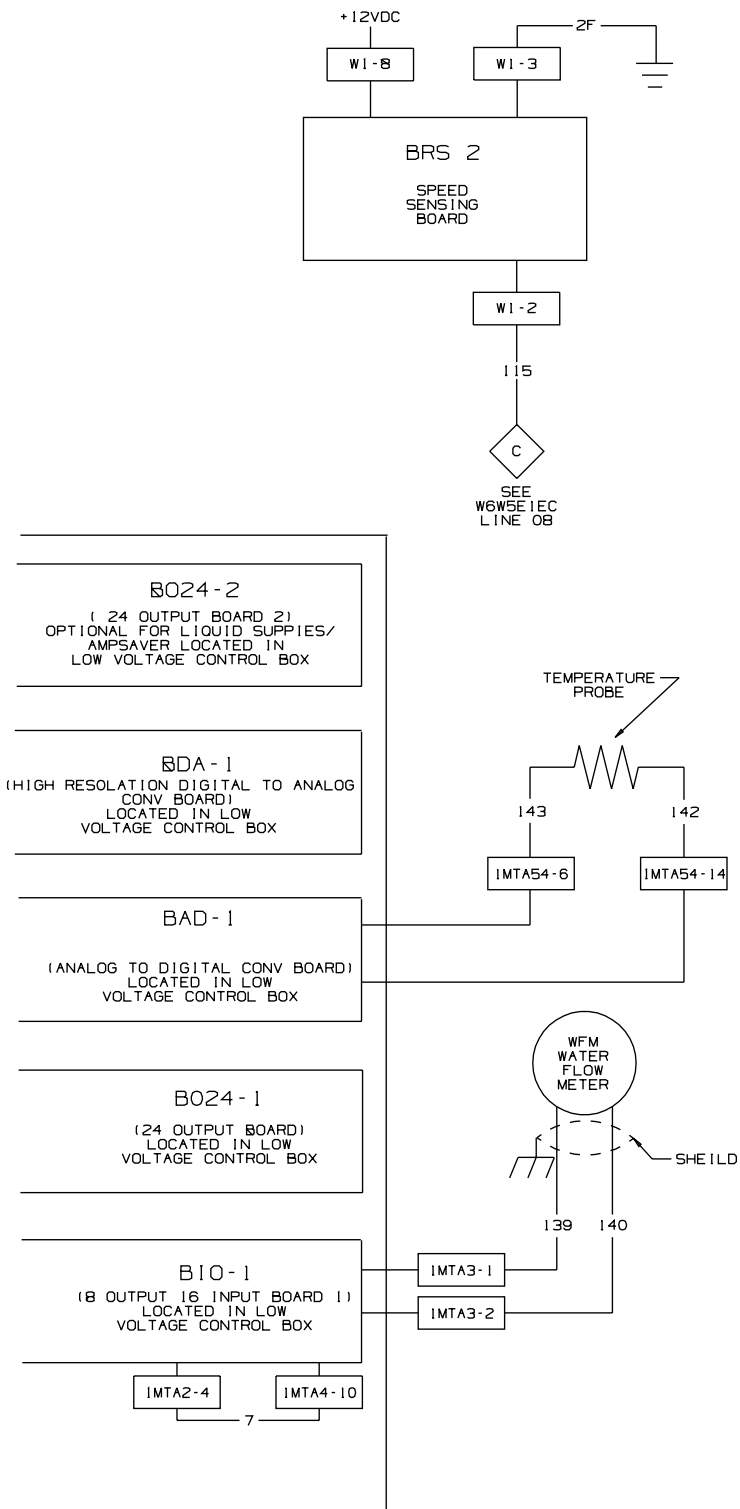
2

Optional Single Motor Drive Schematics



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10



WIRING NO.	VOLTAGE	WIRE COLOR
103	+5VDC	BLUE
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
-	24VAC	BLUE/RED
-	120VAC	RED
6	CONTROL GROUND	RED/WHITE

W6W5E1BW

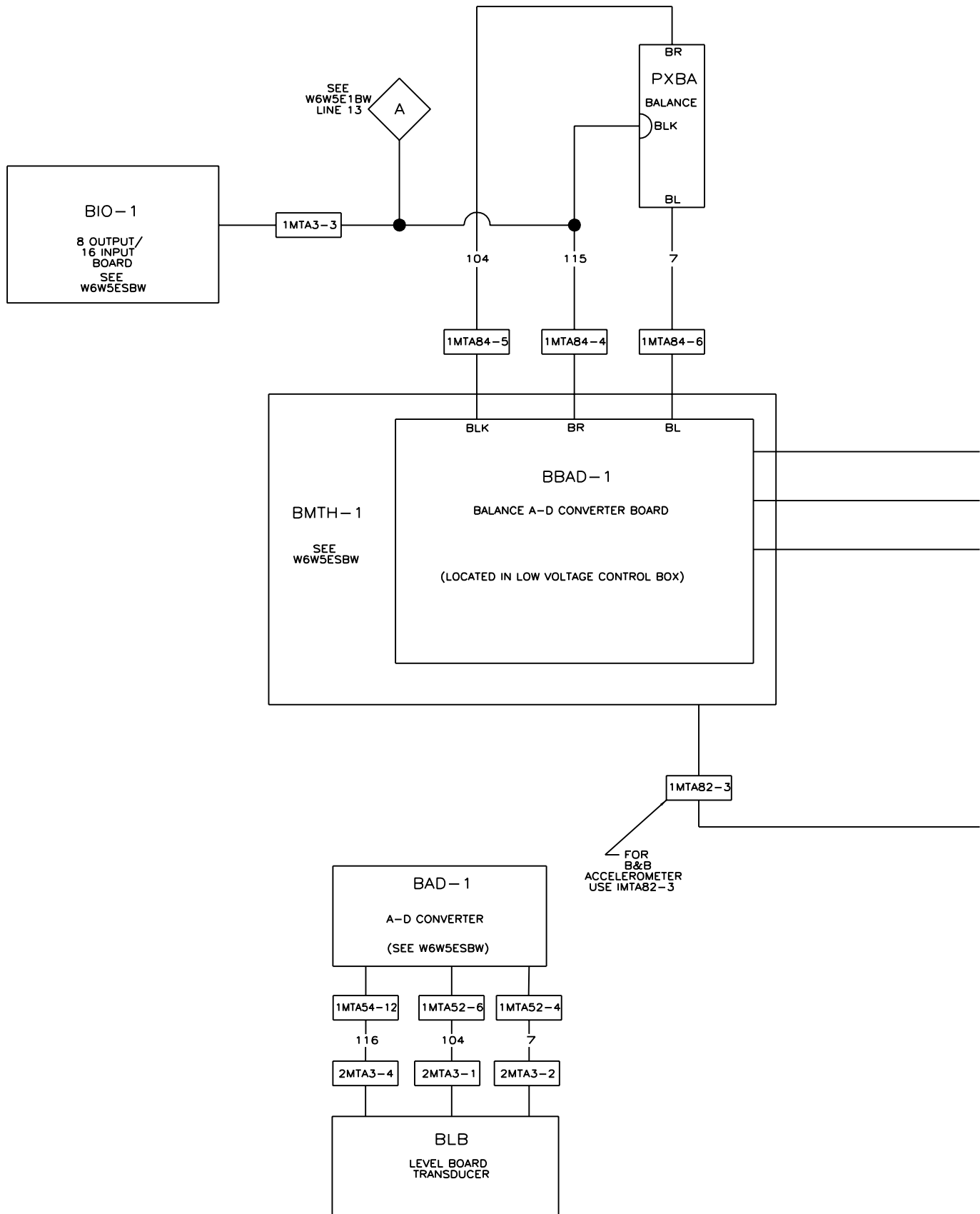
MICRO 6 SYSTEMS
MARK V CONTROLS

SCHEMATIC: BOARD TO BOARD WIRING

(SERIAL CONTROLS)
MODIFIED FOR SINGLE MOTOR DRIVE
110V, 1P, 50HZ / 120V, 1P, 60HZ

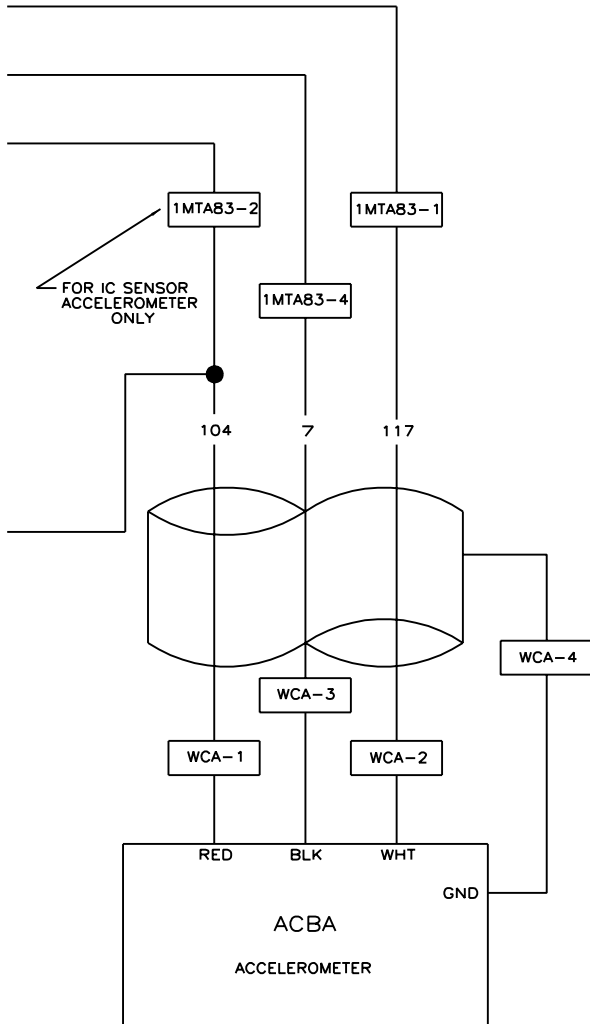
PELLERIN MILNOR CORPORATION

NOTE: REPLACES W6W5ESBW
FOR SINGLE MOTOR DRIVE



W6W5E1EC
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: ELECTRONIC BALANCE/LEVEL
MODIFIED FOR SINGLE MOTOR DRIVE
PELLERIN MILNOR CORPORATION

WIRING	VOLTAGE	WIRE COLOR
103	+5VDC	BLUE
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
—	24VAC	BLUE/RED
—	120VAC	RED
6	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.
3. WCA IS LOCATED AT THE ACCELEROMETER.

SEE
W6W5E1BW
LINE 03



104

+12VDC

TO MICRO-
PROCESSOR
INPUT

IMTA38-4

122

TBA122

SEE
W6W5E1S+ OR
W6W5E1S+A
LINE 11



17

TBA17

ELEBK
BALANCE
EXCURSION

121

MTA85-10

4
CR BEL
7

CLOSE
WHEN
MICRO-
PROCESSOR
SAYS MACHINE
IS IN
BALANCE

MTA85-8

MTA85-7

4
CRBAL
7

CLOSES
WHEN
MICRO-
PROCESSOR
SAYS MACHINE
IS NOT IN
BALANCE

MTA85-5

TO MICRO-
PROCESSOR
INPUT

IMTA38-5

123

TBR123

TO MICRO-
PROCESSOR
INPUT

IMTA4-8

124

SP
T2
CRS
7

1
PA
7

OPENS
WHEN
SPEED
IS
FAST

S+
07
CRS+
8

CLOSES
WHEN
3-WIRE
RELAY
IS
ENERGIZED

TO MICRO-
PROCESSOR
INPUT

IMTA38-6

125

TO MICRO-
PROCESSOR
INPUT

IMTA4-5

7

TO MICRO-
PROCESSOR
INPUT

IMTA4-4

127

TO MICRO-
PROCESSOR
INPUT

IMTA4-3

128

104

4
PXWP
7

CLOSES
WHEN AT
WASH LEVEL

104

4
PXEP
7

CLOSES
WHEN AT
EXTRACT LEVEL

TO MICRO-
PROCESSOR
INPUT

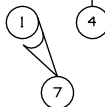
IMTA4-14

130

CLOSES WHEN
AIR PRESSURE
RELEASES
BRAKE



SPBR :
BRAKE
PRESSURE



7

TBA7

LITHO IN U.S.A.

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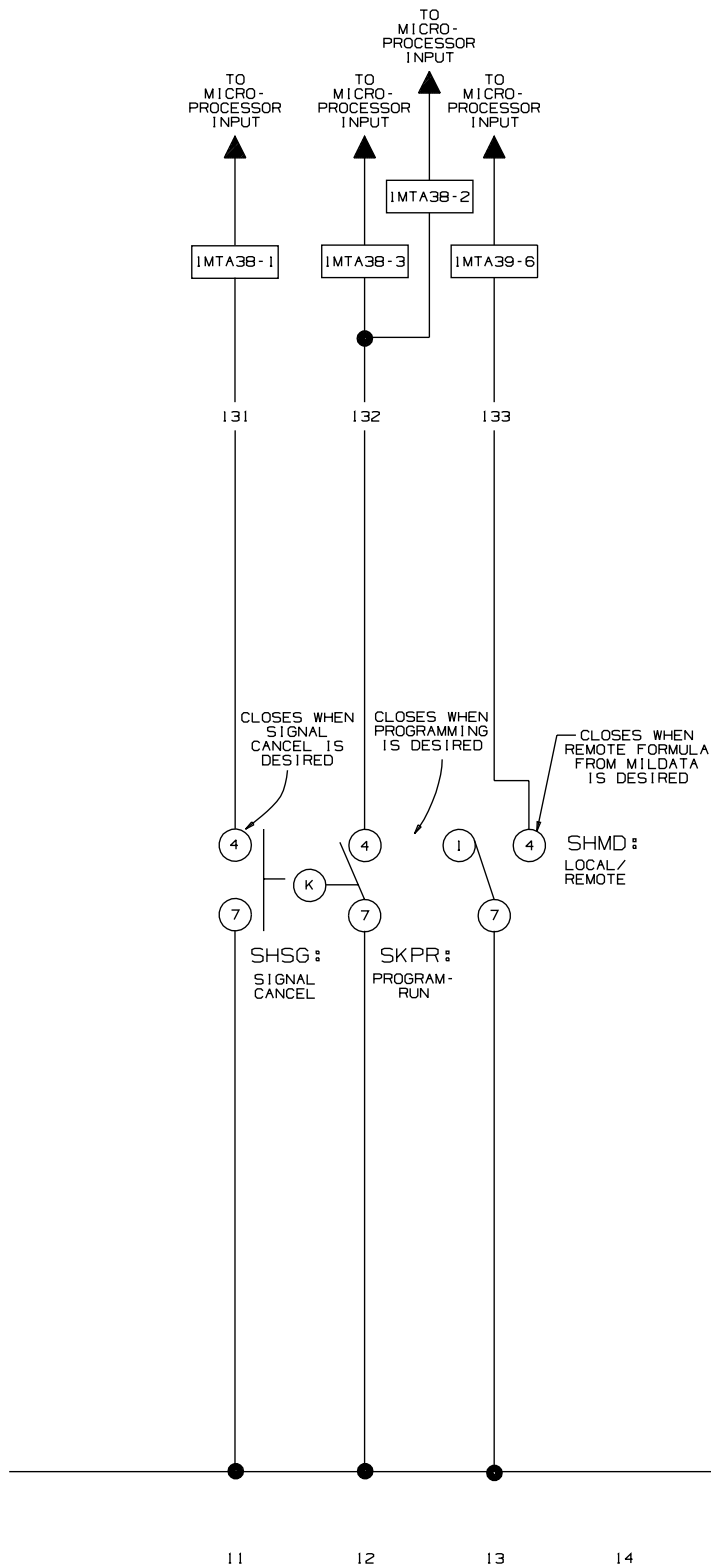
06

07

08

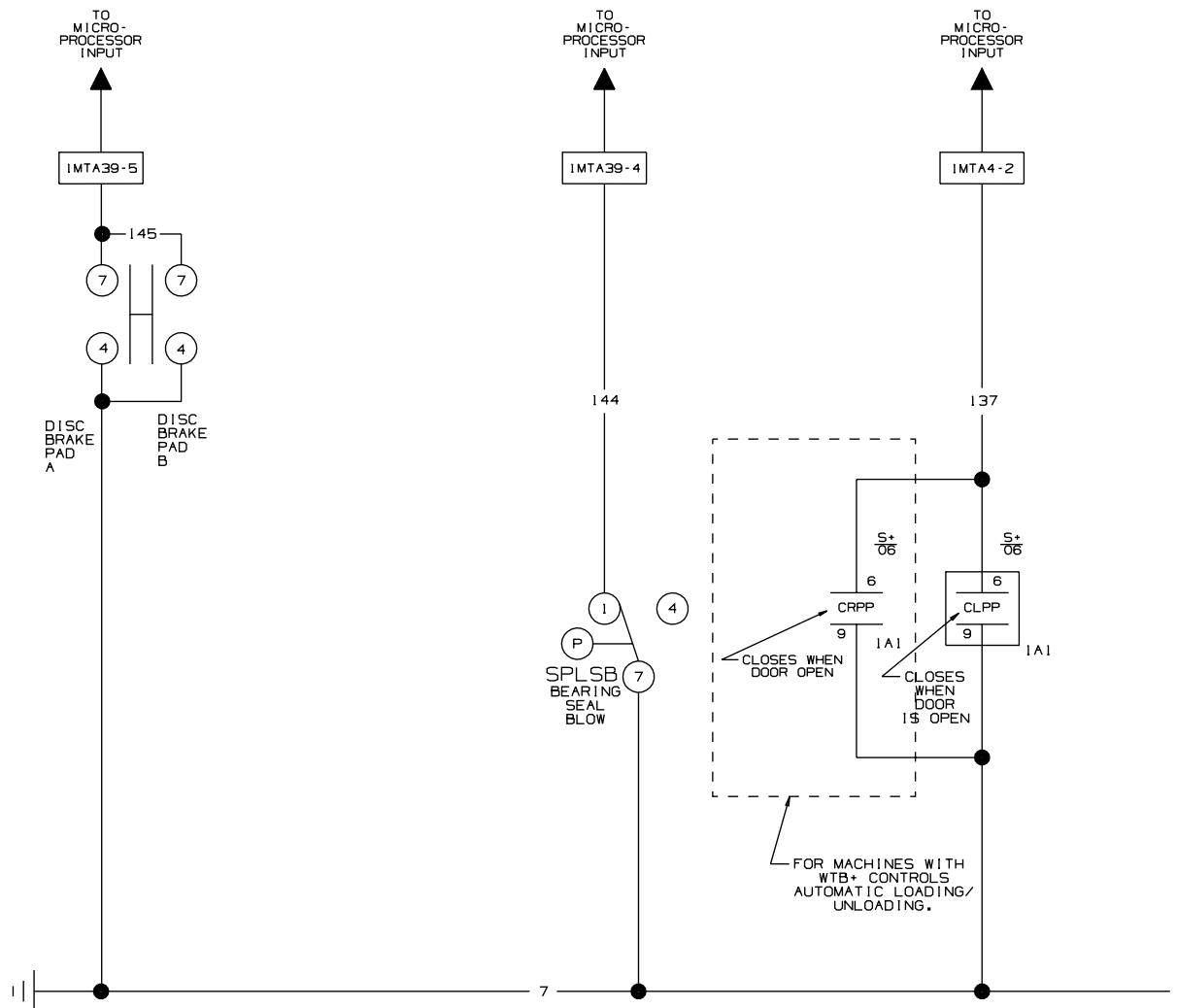
09

10



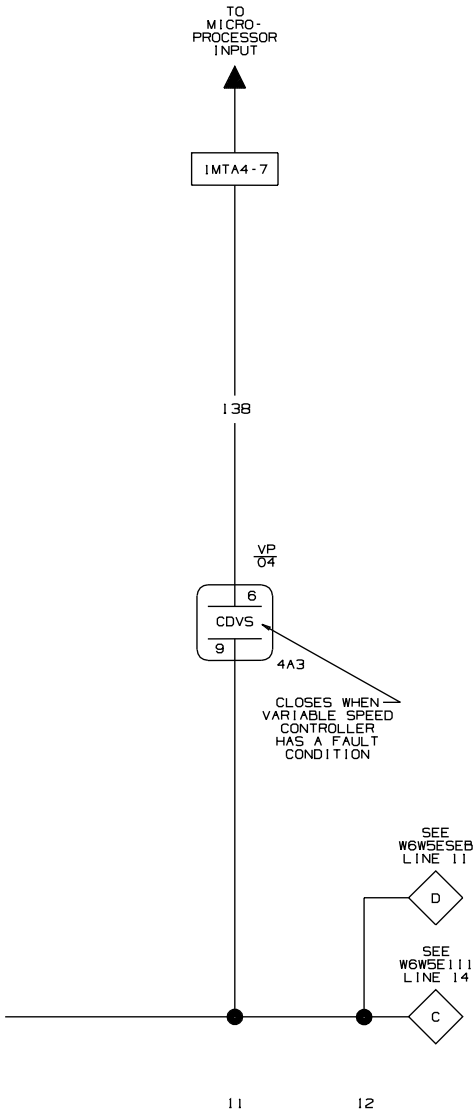
NOTE:
REPLACES W6WSE111
FOR SINGLE MOTOR DRIVE.

W6WSE111
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: MICROPROCESSOR INPUTS
MODIFIED FOR SINGLE MOTOR DRIVE
PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10



NOTES:

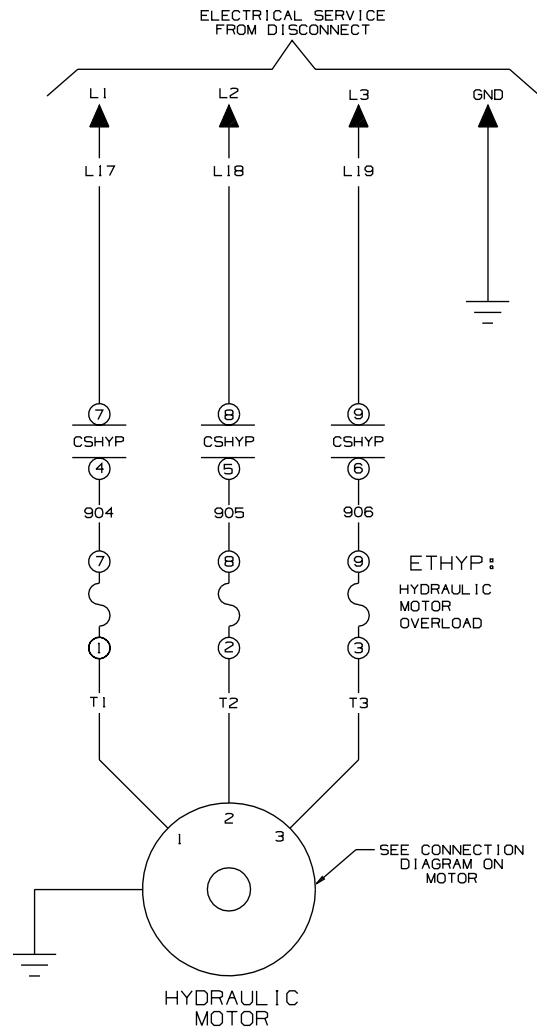
1. IMTA3 & IMTA4 ARE LOCATED ON BIO-1 (8 OUTPUT - 16 INPUT BOARD).
2. REPLACES W6W5E112 FOR SINGLE MOTOR DRIVE.

W6W5E112

MICRO 6 SYSTEMS MARK V

SCHEMATIC: MICROPROCESSOR INPUTS MODIFIED FOR SINGLE MOTOR DRIVE

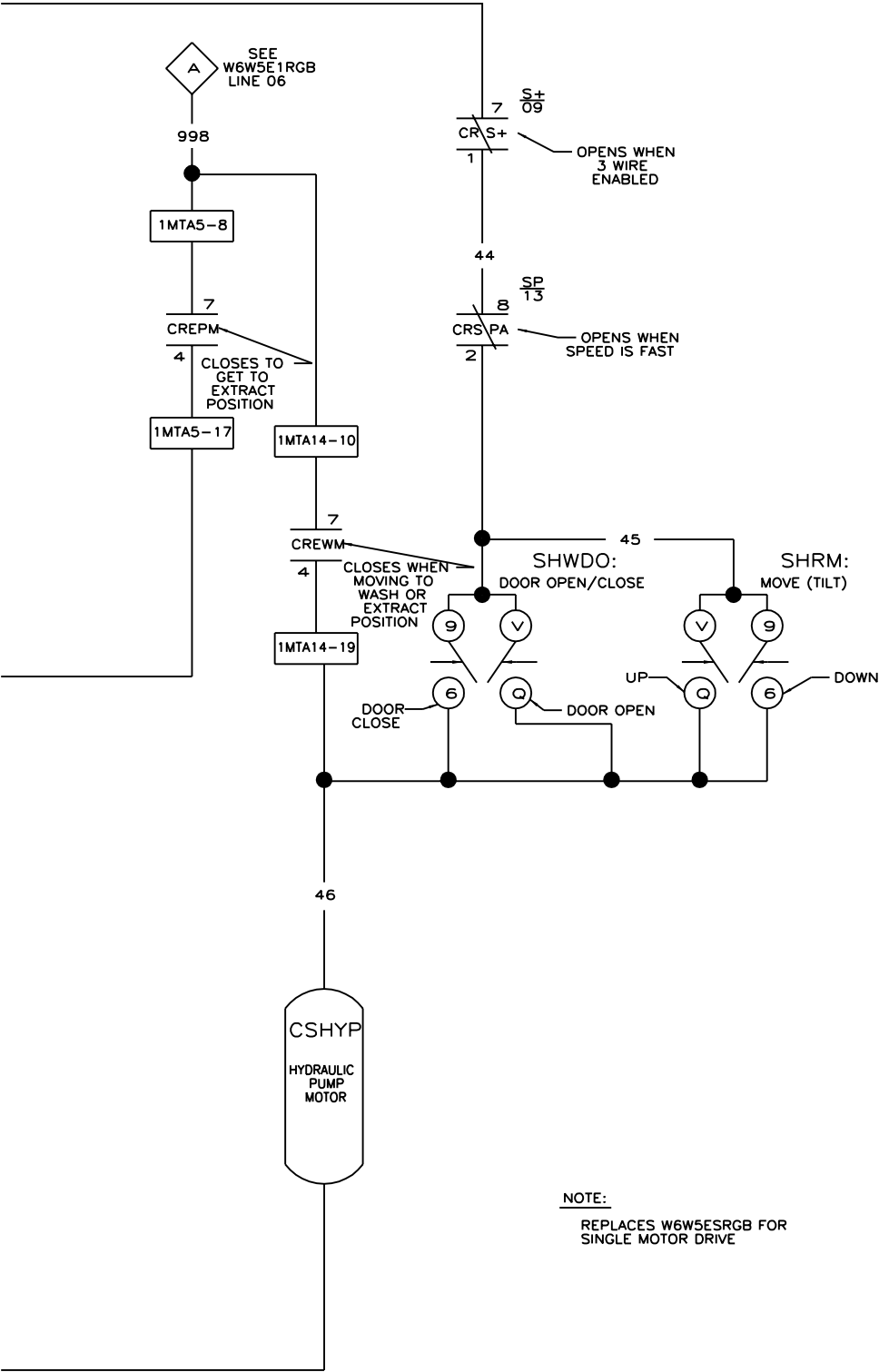
PELLERIN MILNOR CORPORATION



NOTE:

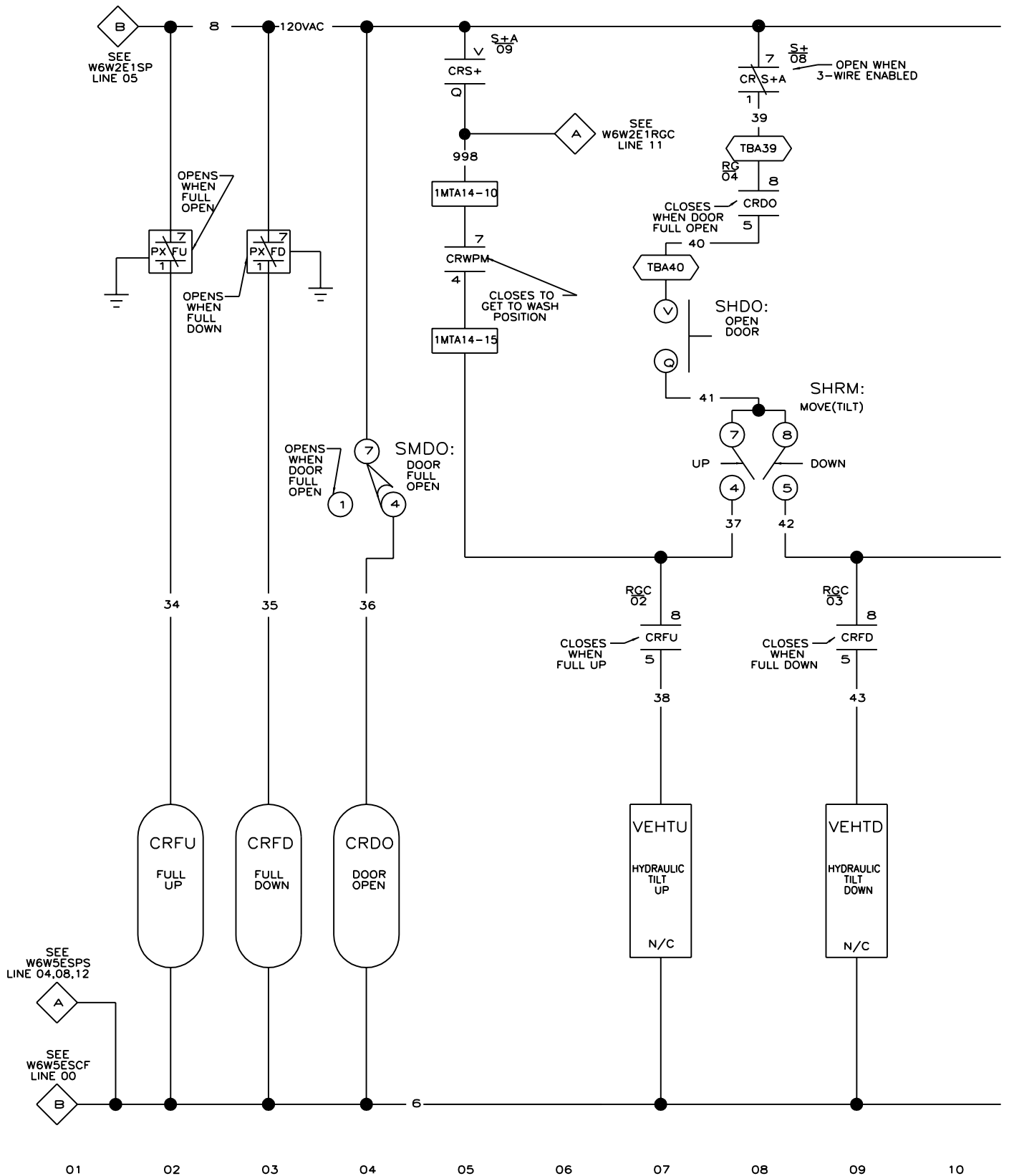
REPLACES W6W5ESMT FOR
SINGLE MOTOR DRIVE.

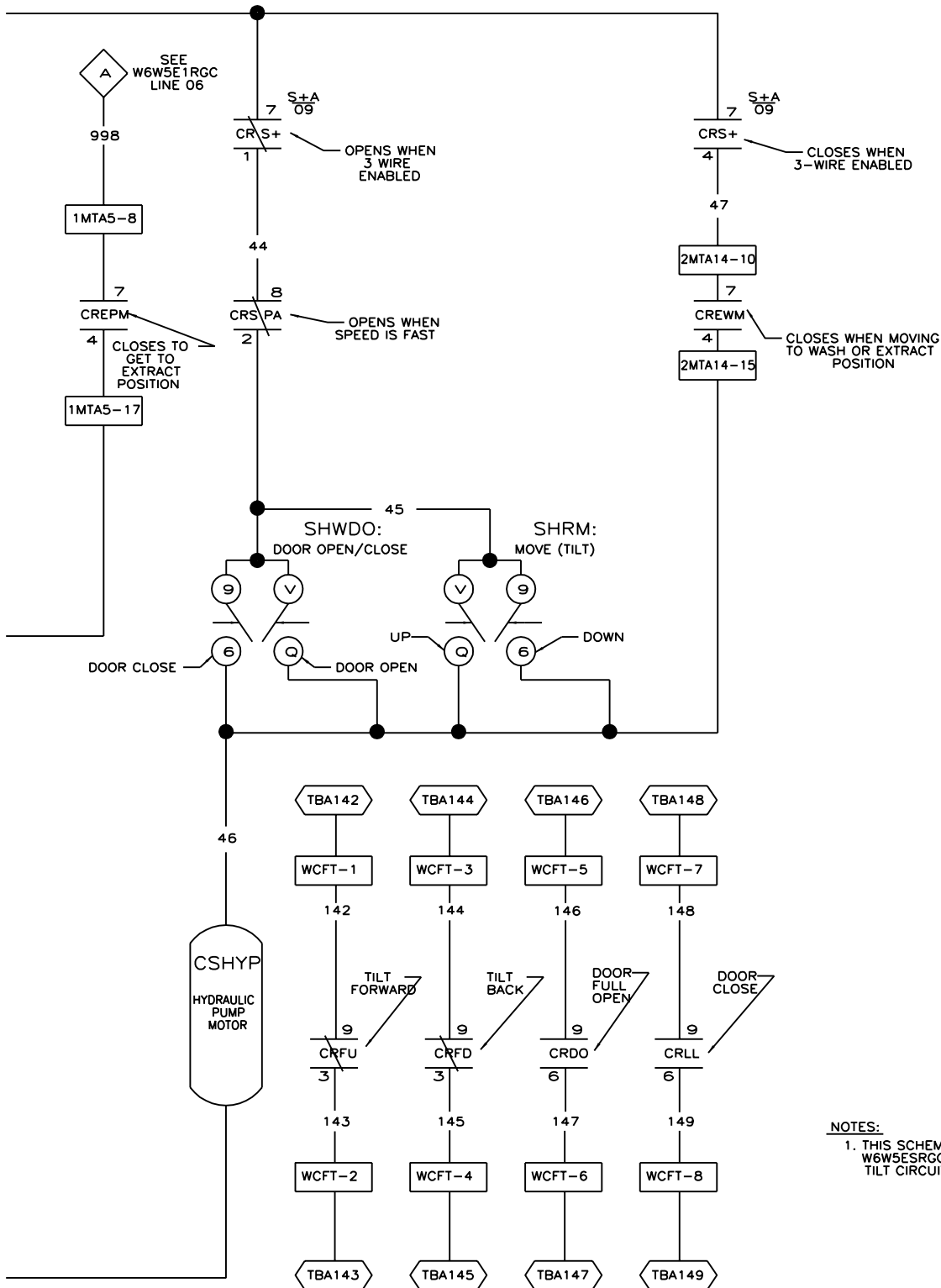
W6W5E1MT
MICRO 6 SYSTEMS
MARK V
SCHEMATICS: HYDRAULIC MOTOR CONNECTIONS
MODIFIED FOR SINGLE MOTOR DRIVE
PELLERIN MILNOR CORPORATION



W6W5E1RGB
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: RAISE HOUSE (HYDRAULIC)
MODIFIED FOR SINGLE MOTOR DRIVE
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

RGC13 RGC07
RGC14 RGC09
RGC08 RGC15





W6W5E1RGC

MICRO 6 SYSTEMS

MARK V

SCHEMATIC: RAISE HOUSE (HYDRAULIC)

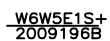
FOR FRENCH TILT CIRCUIT ONLY

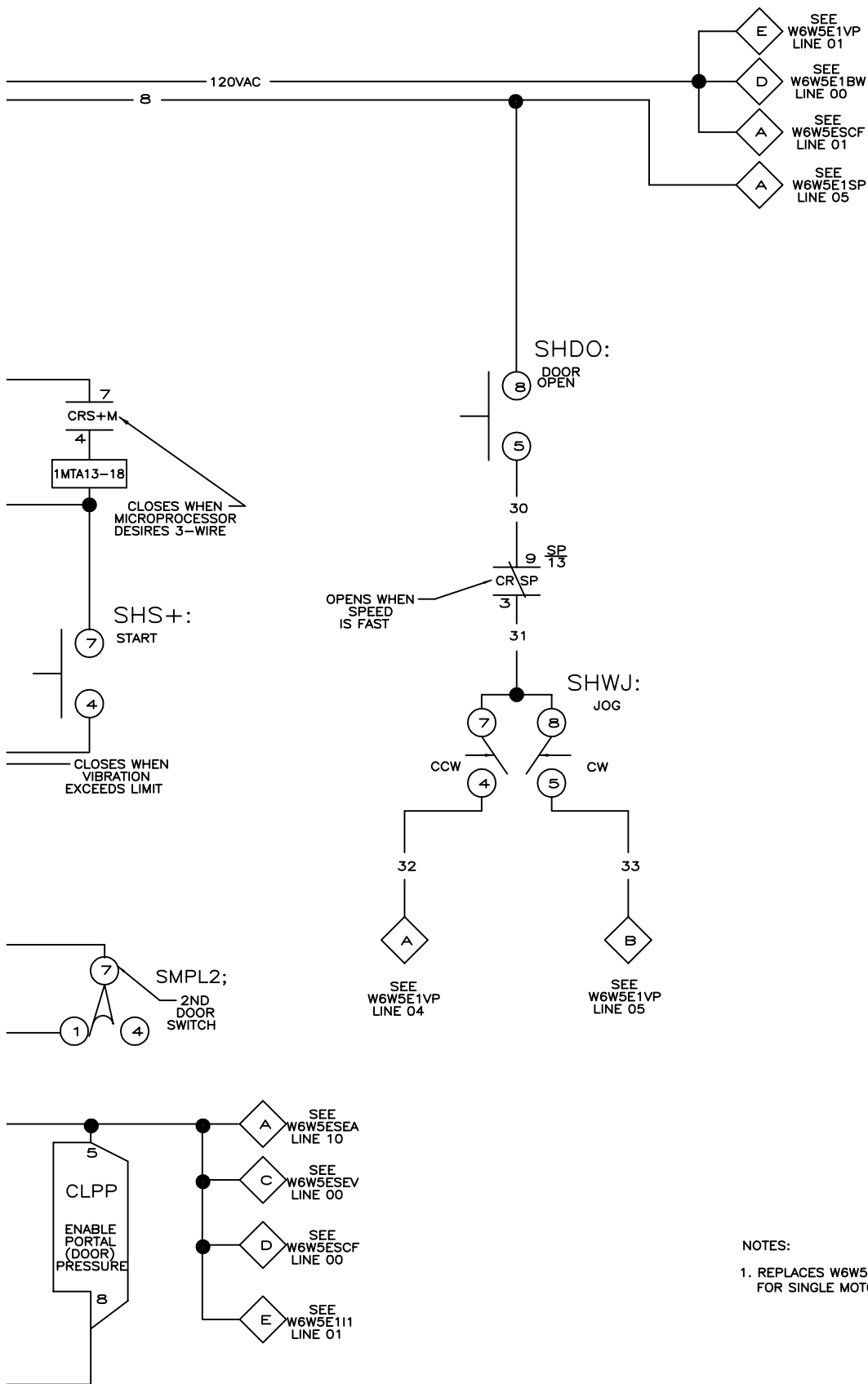
MODIFIED FOR SINGLE MOTOR DRIVE

PELLERIN MILNOR CORPORATION

NOTES:

1. THIS SCHEMATIC REPLACES W6W5ESRGC FOR FRENCH TILT CIRCUIT.





W6W5E1S+

MICRO 6 SYSTEMS

MARK V

SCHEMATIC: START CIRCUIT

MODIFIED FOR SINGLE MOTOR DRIVE

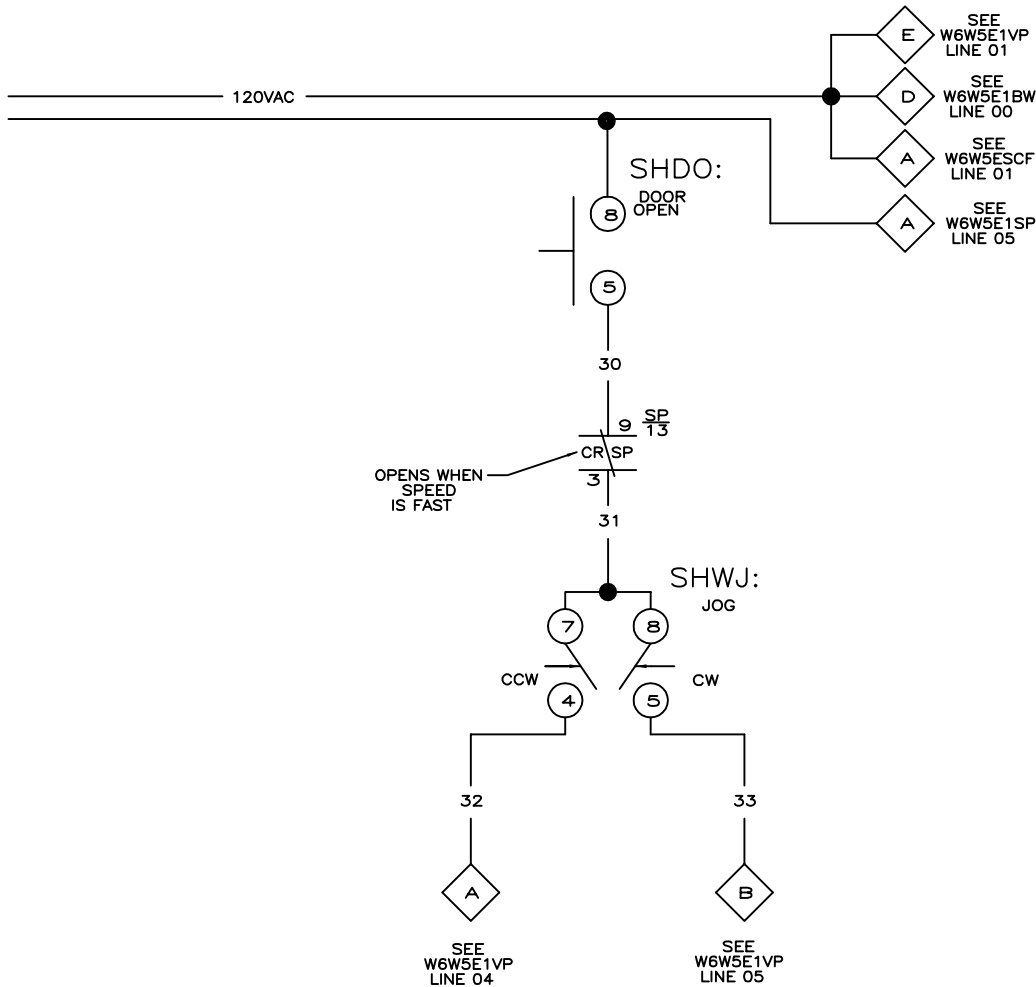
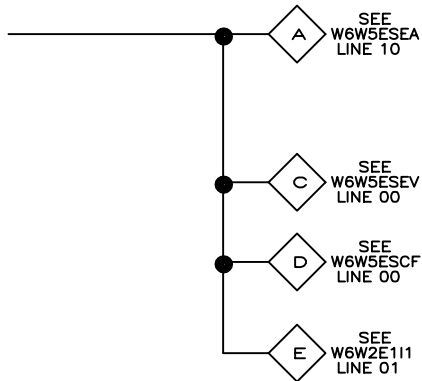
110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

NOTES:

1. REPLACES W6W5ESS+B FOR SINGLE MOTOR DRIVE.





W6W5E1S+A

MICRO 6 SYSTEMS

MARK V

SCHEMATIC: START CIRCUIT

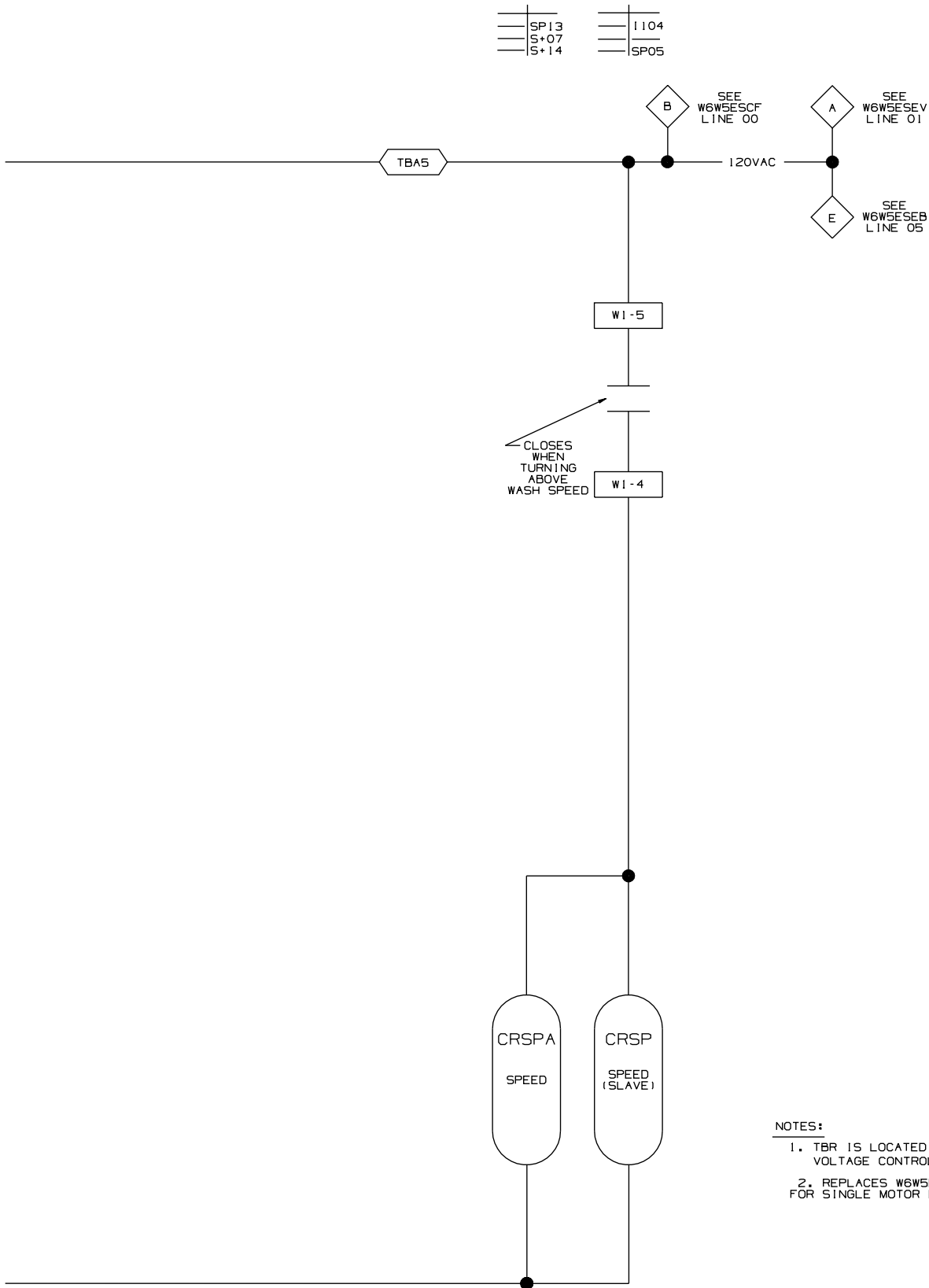
FOR FRENCH TILT CIRCUIT ONLY

MODIFIED FOR SINGLE MOTOR DRIVE

NOTES:

1. REPLACES W6W5ESS+A FOR SINGLE MOTOR DRIVE





W6W5E1SP

MICRO 6 SYSTEMS MARK V

SCHEMATIC: SPEED, DOOR CIRCUITS & MASTER SWITCH

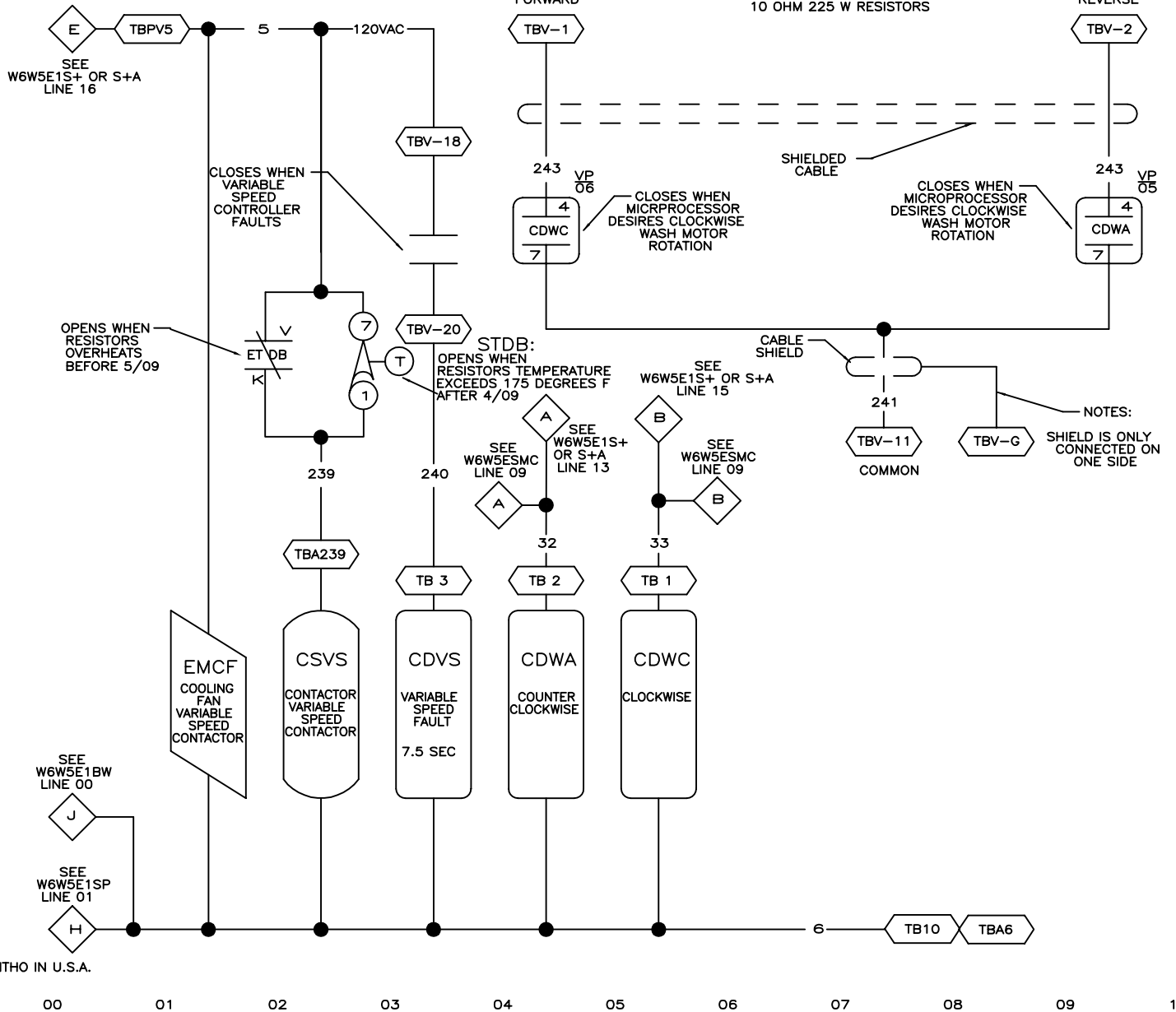
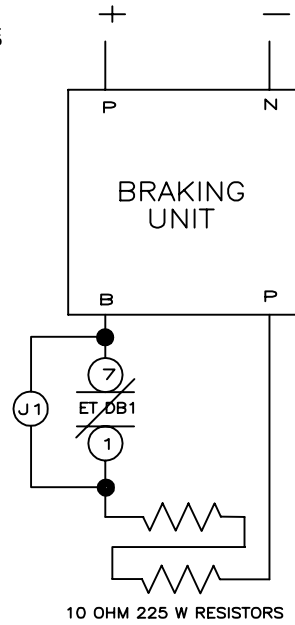
MODIFIED FOR SINGLE MOTOR DRIVE
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

NOTES:

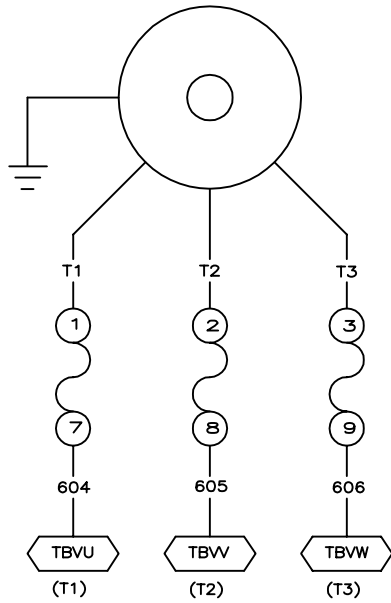
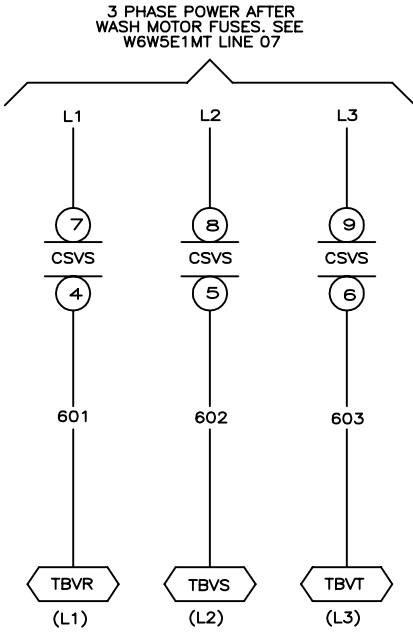
1. TBR IS LOCATED IN LOW VOLTAGE CONTROL BOX.
2. REPLACES W6W5ESSP FOR SINGLE MOTOR DRIVE

10 11 12 13 14 15 16 17

S+08	VP10	VP05
1208		

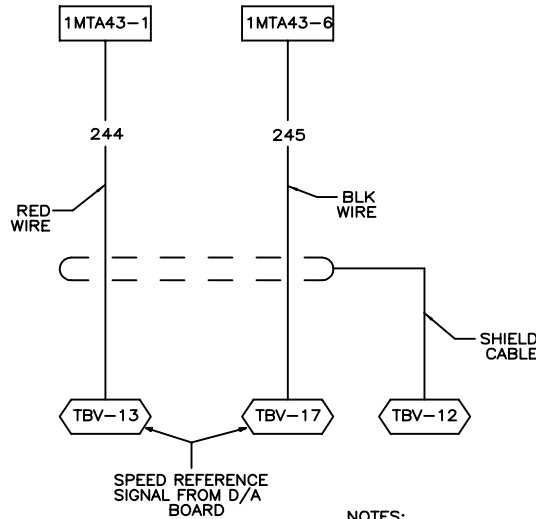


LITHO IN U.S.A.



NOTES:

1. TBV IS LOCATED IN VARIABLE SPEED CONTROLLER BOX ON VARIABLE SPEED CONTROLLER.
2. 1MTA43 IS LOCATED ON BDA-1 (DIGITAL TO ANALOG BOARD).
3. REPLACES W6W5E1V FOR SINGLE MOTOR DRIVE.
4. (J1) USED AFTER 5/1/09



NOTES:

- SHIELD IS ONLY CONNECTED ON ONE SIDE

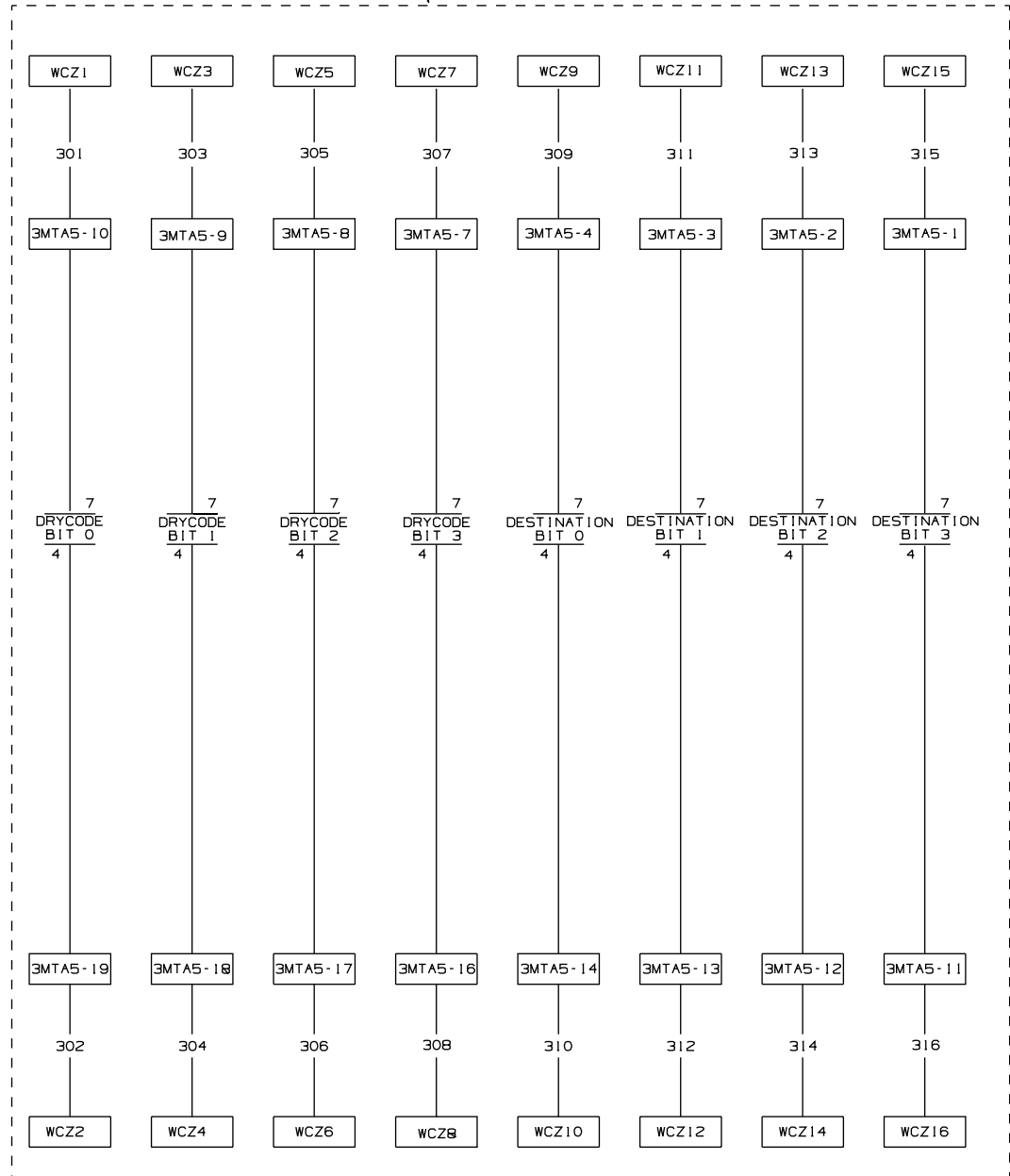
W6W5E1VP
MICRO 6 SYSTEMS
MARK V CONTROLS
SCHEMATIC: OPTIONAL 515 VARIABLE
SPEED CONTROLLER
MODIFIED FOR SINGLE MOTOR DRIVE
PELLERIN MILNOR CORPORATION

Section

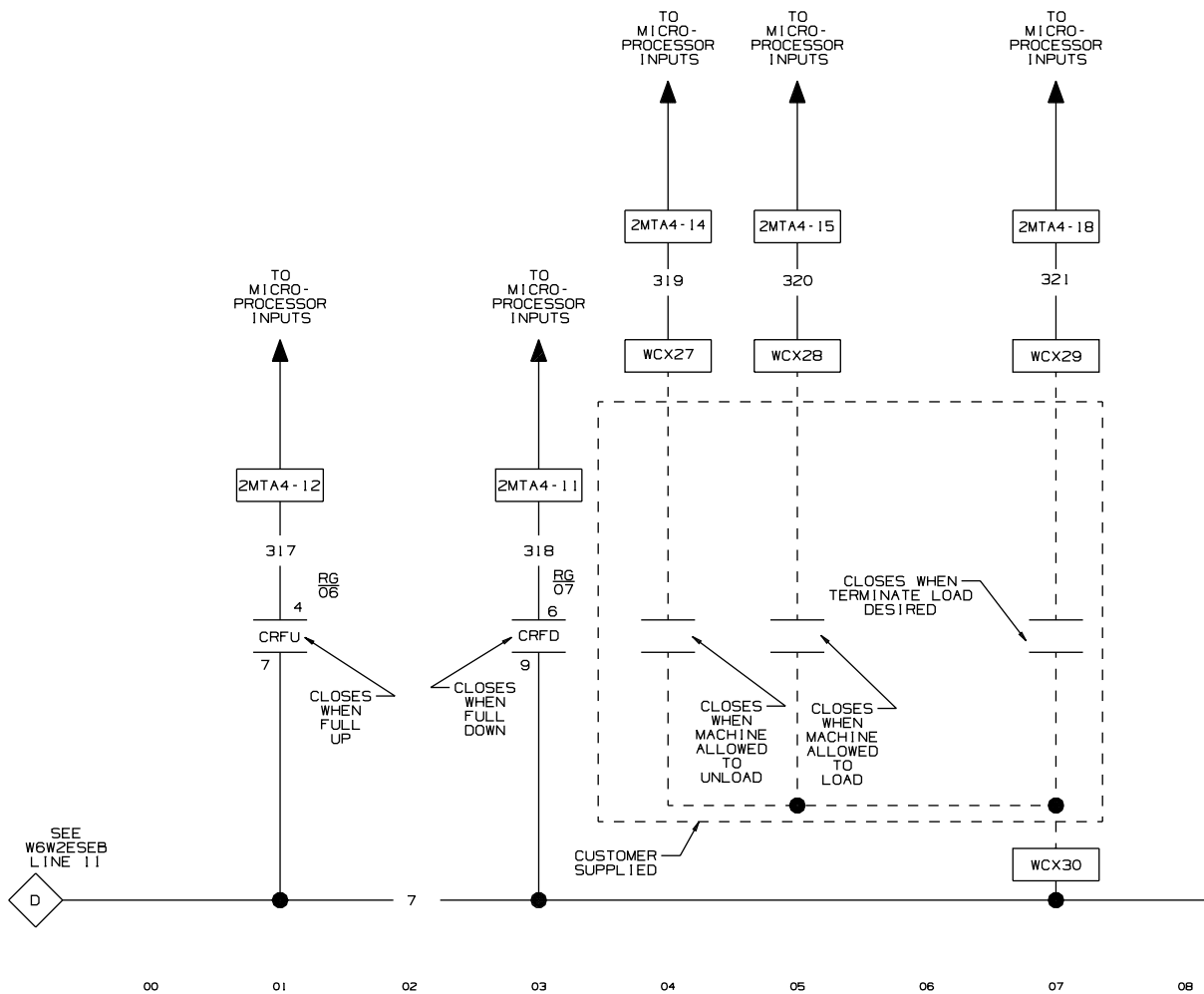
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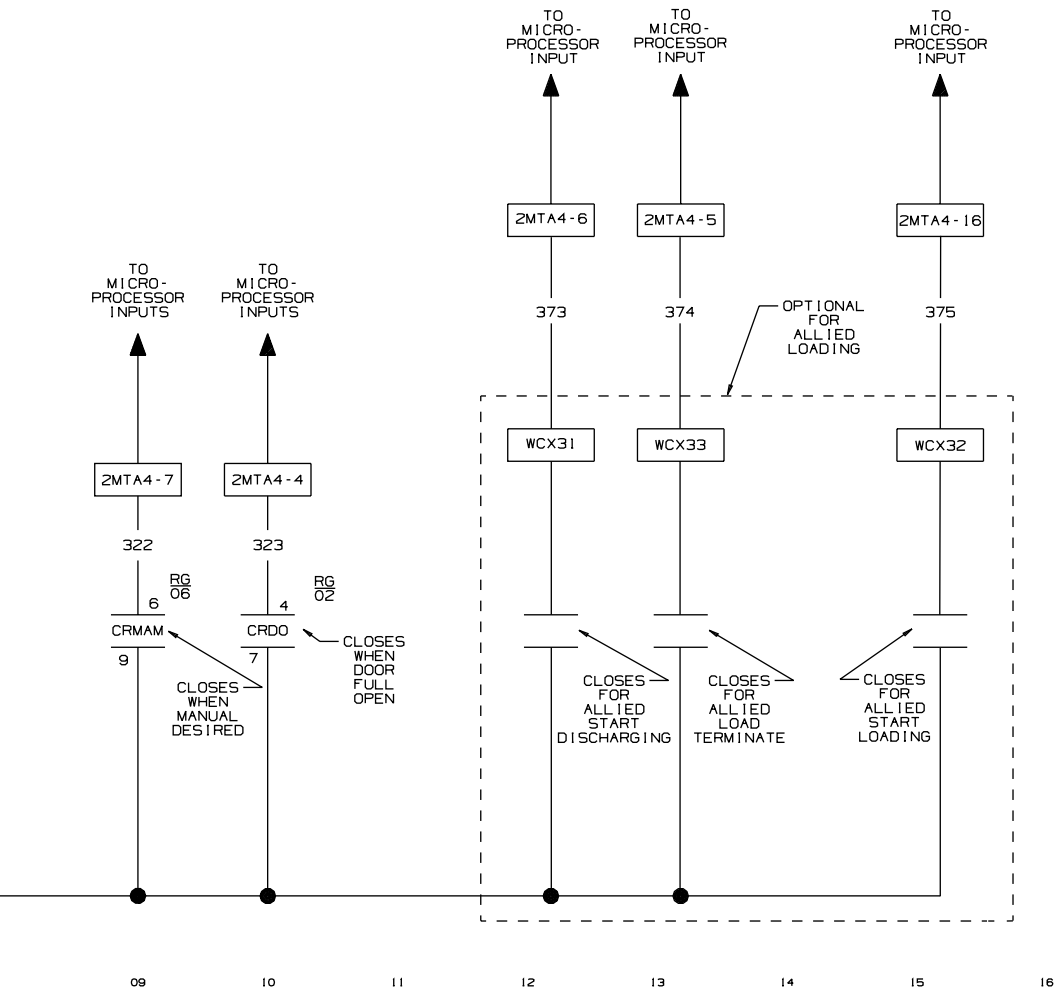
Automatic Loading/Unloading Schematics

ALLIED
DATA PASS
OPTION



WSWEADP
SCHEMATIC: ALLIED DISCHARGE
PELLERIN MILNOR CORPORATION





W6W5EA13

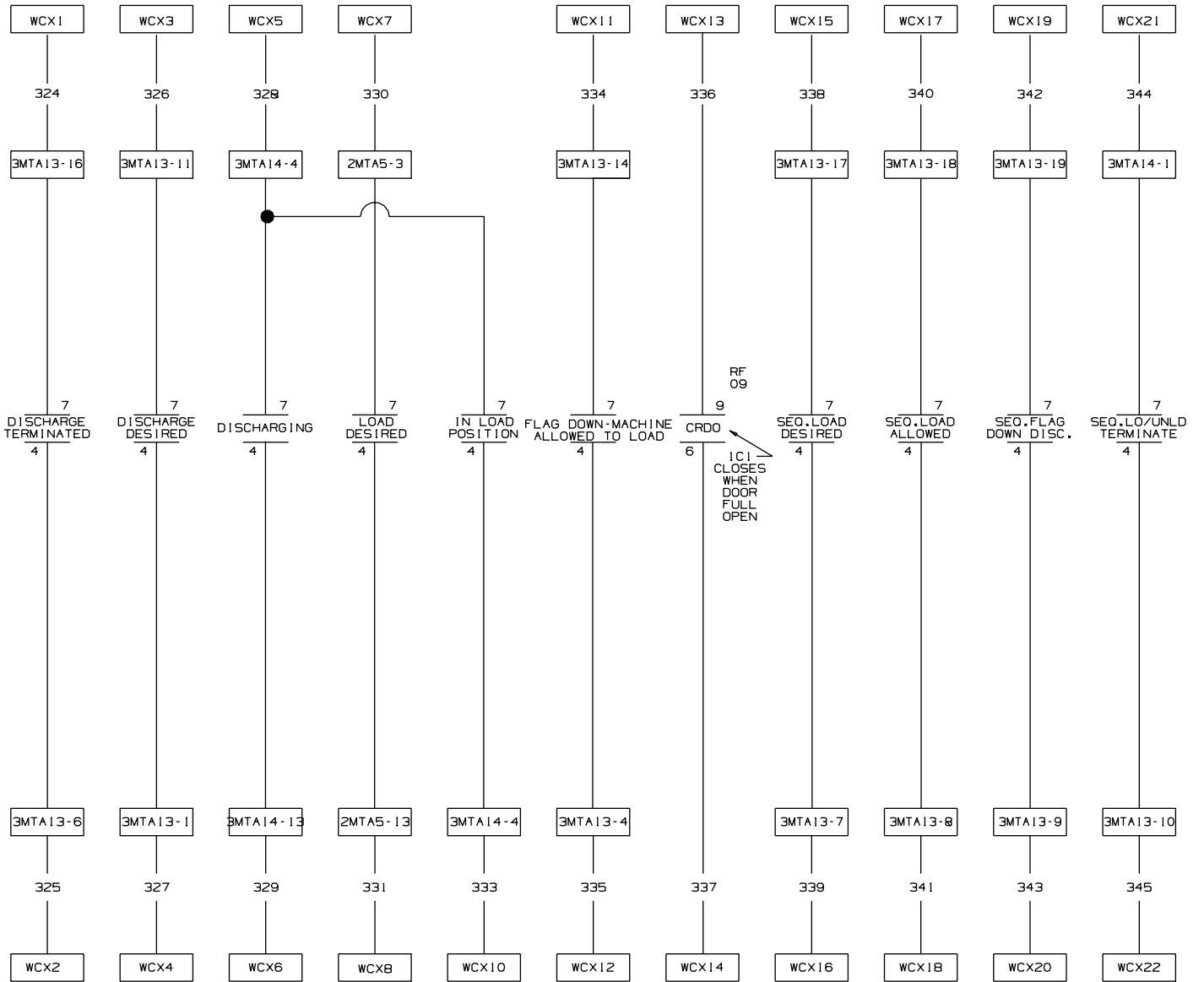
MICRO 6 SYSTEMS SERIAL CONTROLS

MARK V WTB+

SCHEMATIC: MICROPROCESSOR INPUTS

AUTOMATIC LOADING

PELLERIN MILNOR CORPORATION



00

01

02

03

04

05

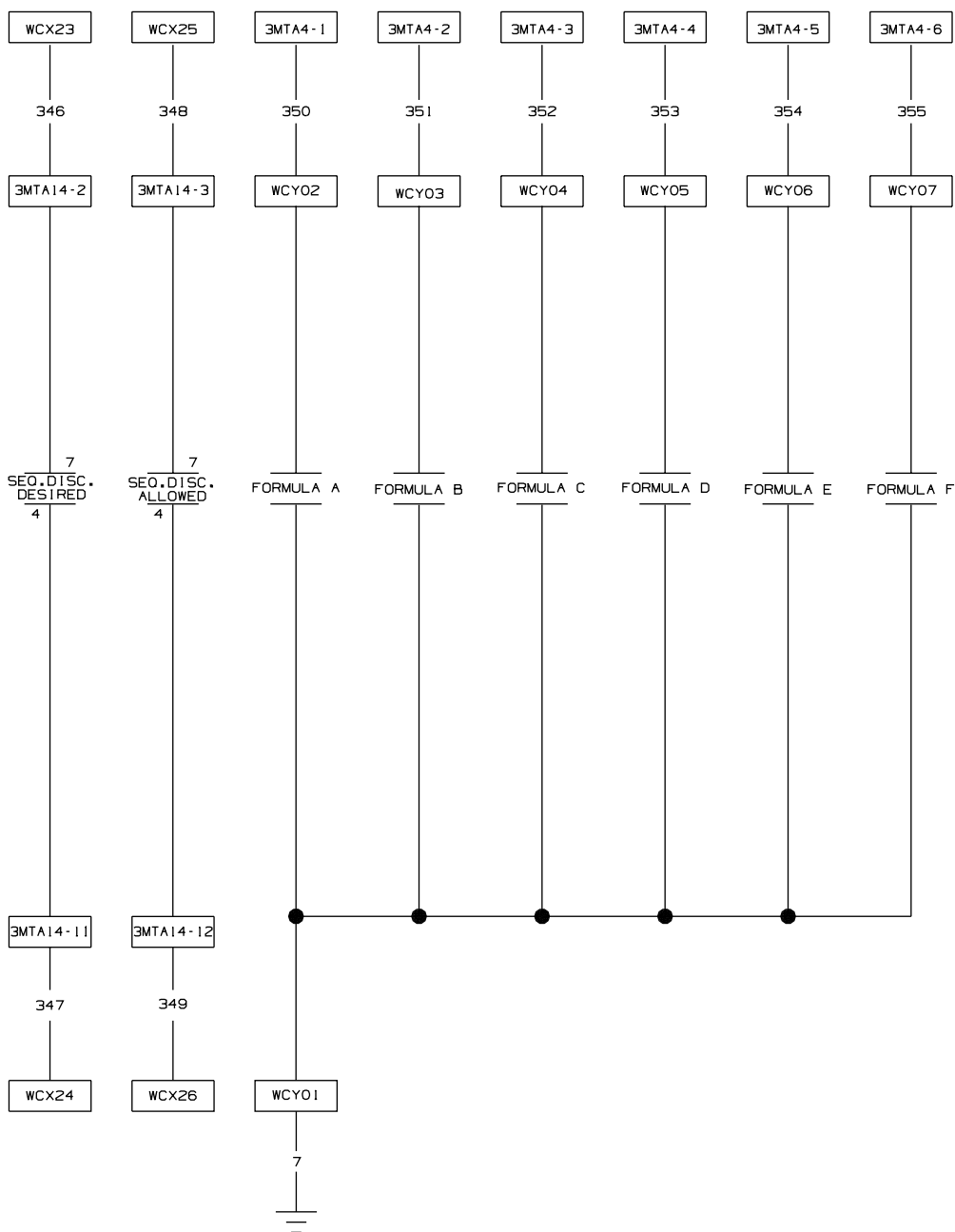
06

07

08

09

10



W6W5EALA

MICRO 6 SYSTEMS

MARK V WTB+

SCHEMATIC: AUTOMATIC LOADING OUTPUTS

PELLERIN MILNOR CORPORATION

I310
RGA09
LA07

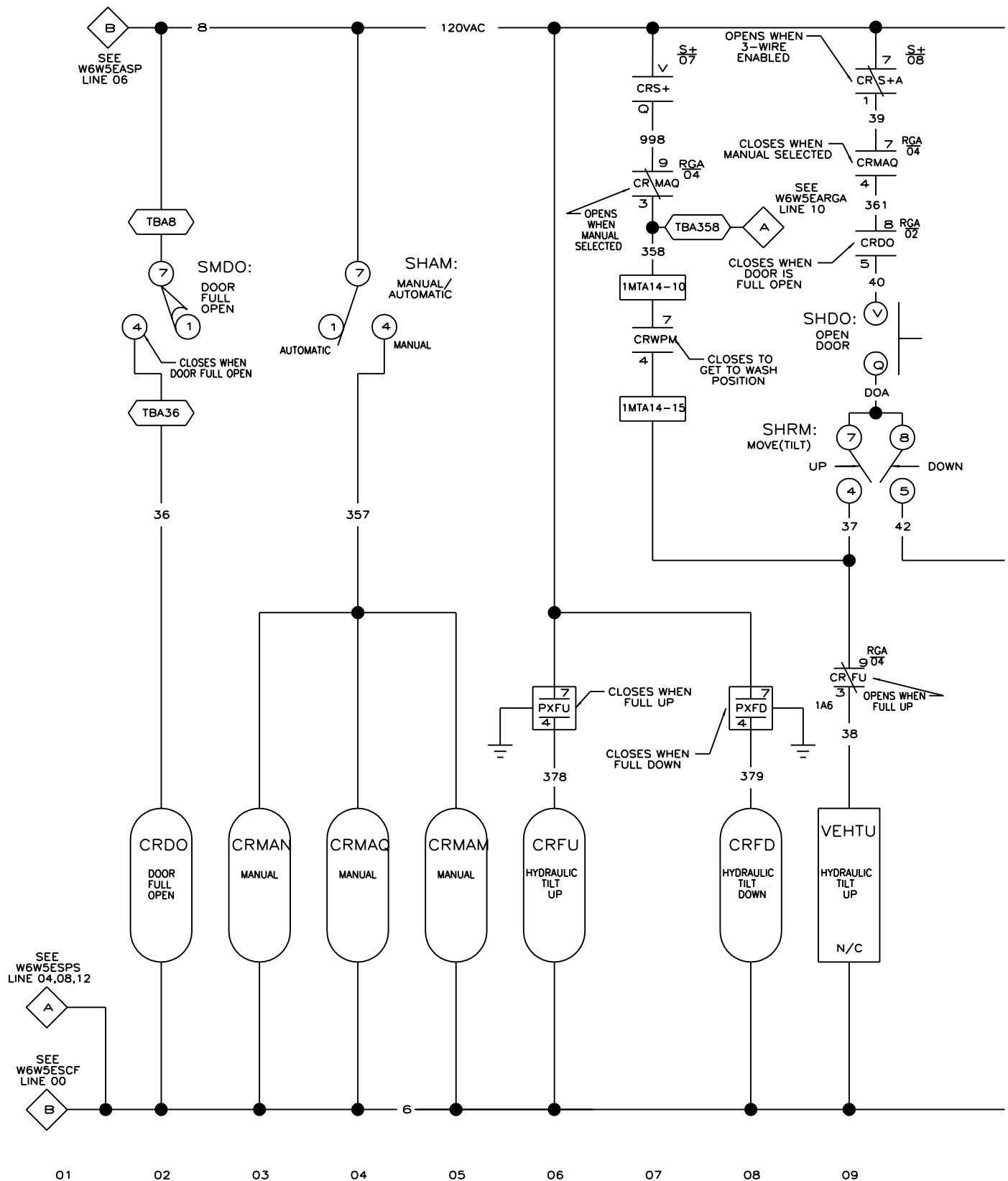
RGA12

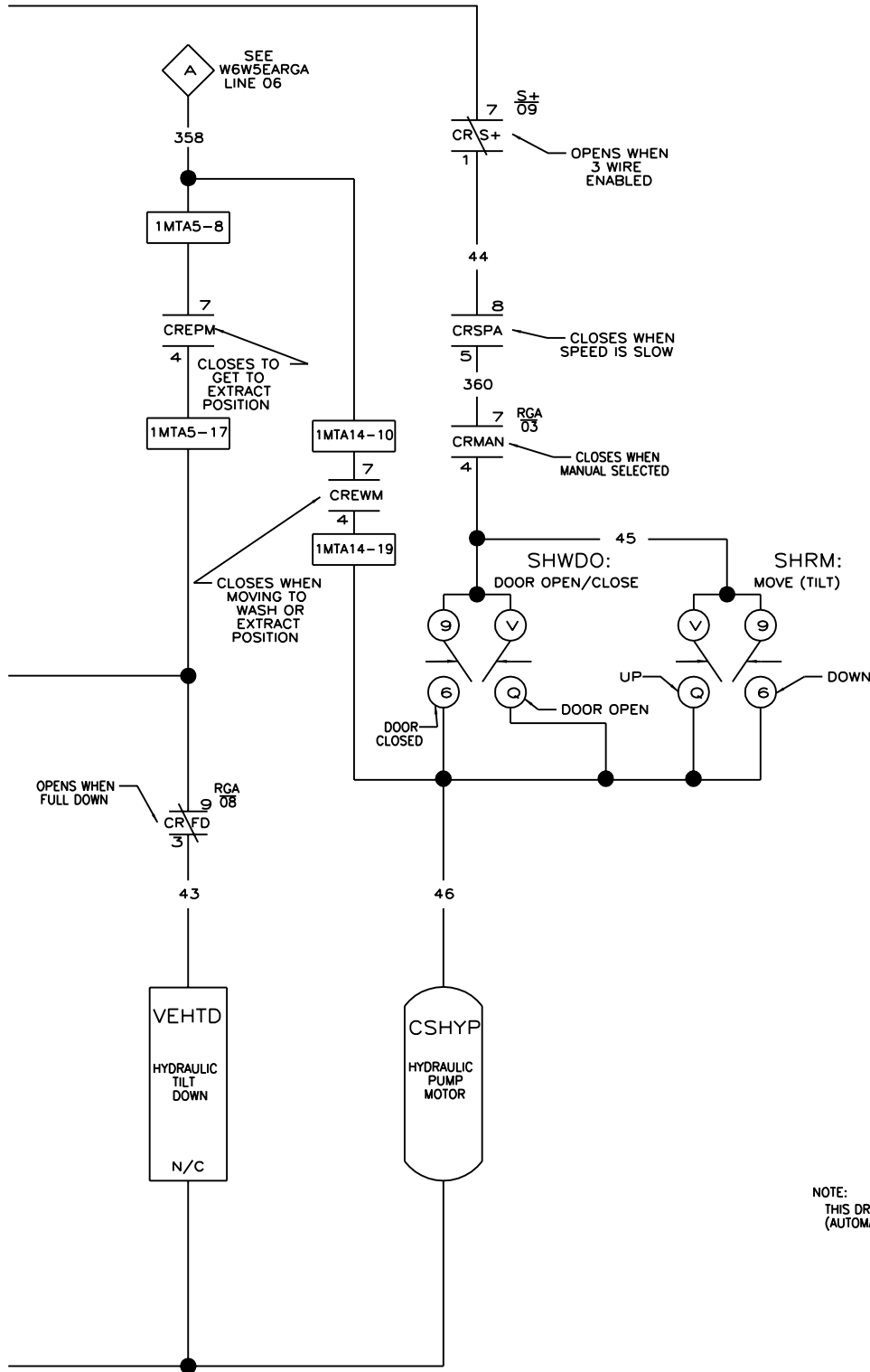
RGA09
RGA16
RGA07

I309

I301
RGA09

RGA11 I303





W6W5EARGA

MICRO 6 SYSTEMS SERIAL CONTROLS

MARK V WTB+

SCHEMATIC: RAISE HOUSE (HYDRAULIC)

FOR AUTOMATIC LOADING/UNLOADING

110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

NOTE:
THIS DRAWING REPLACES W6W5ESRGB FOR WTB+ CONTROLS
(AUTOMATIC LOADING/UNLOADING).

S+02	SP02	SP01
	I300	I205

RGA09	RGA07	RGA12	RGA06
			I105
			RGA05

SMPLL:
DOOR (LATCH) SWITCH
(SHOWN DOOR OPEN)

SHSOE:
EMERGENCY
STOP

SHDO:
OPEN
DOOR

SHSO:
STOP

SHS+:
START

SMWVB:
VIBRATION

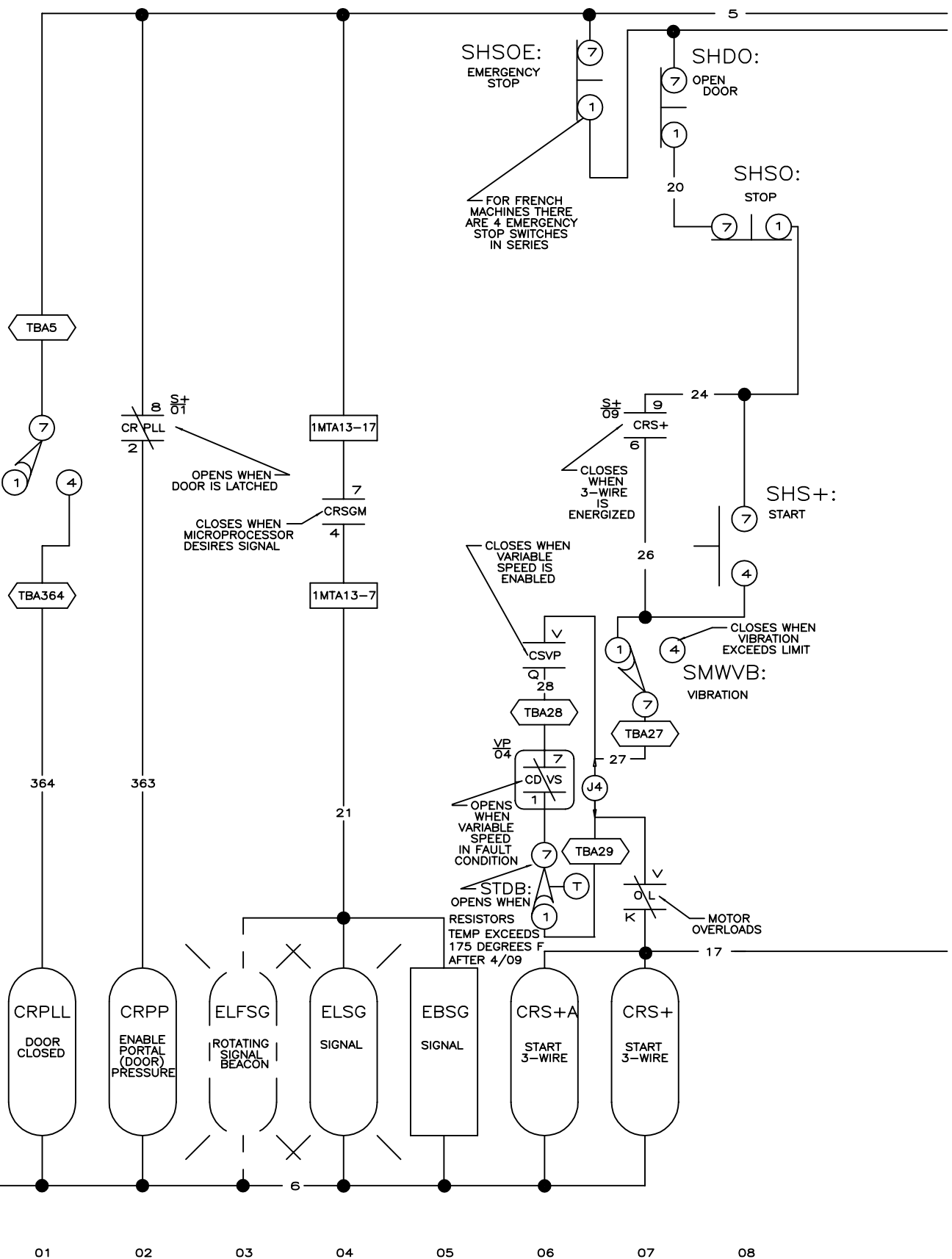
STDB:
OPENS WHEN
RESISTORS
TEMP EXCEEDS
175 DEGREES F
AFTER 4/09

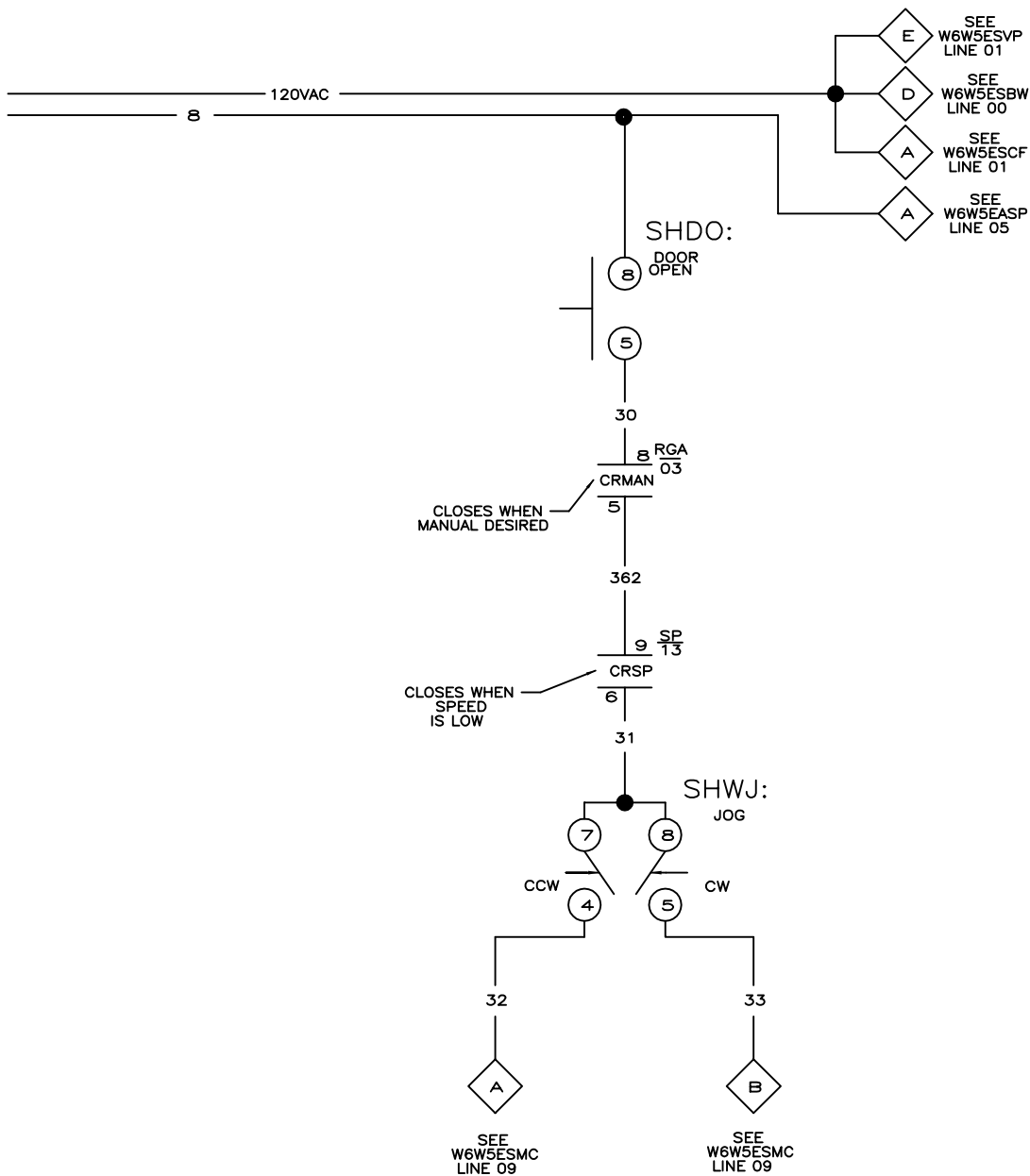
MOTOR
OVERLOADS

SEE
W6W5ESEB
LINE 00

SEE
W6W5ESMC
LINE 02

LITHO IN U.S.A.





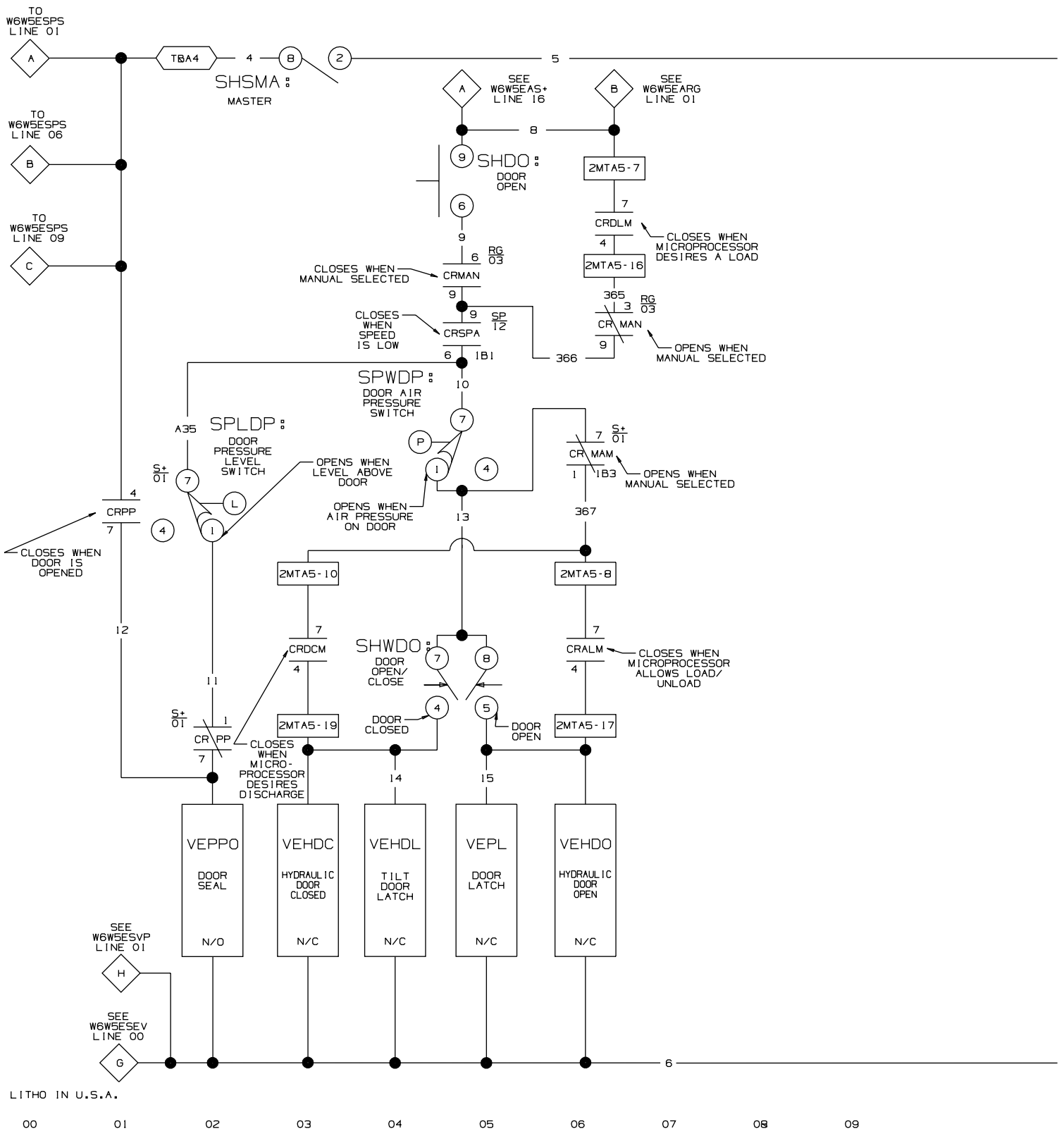
W6W5EAS+
2009196B

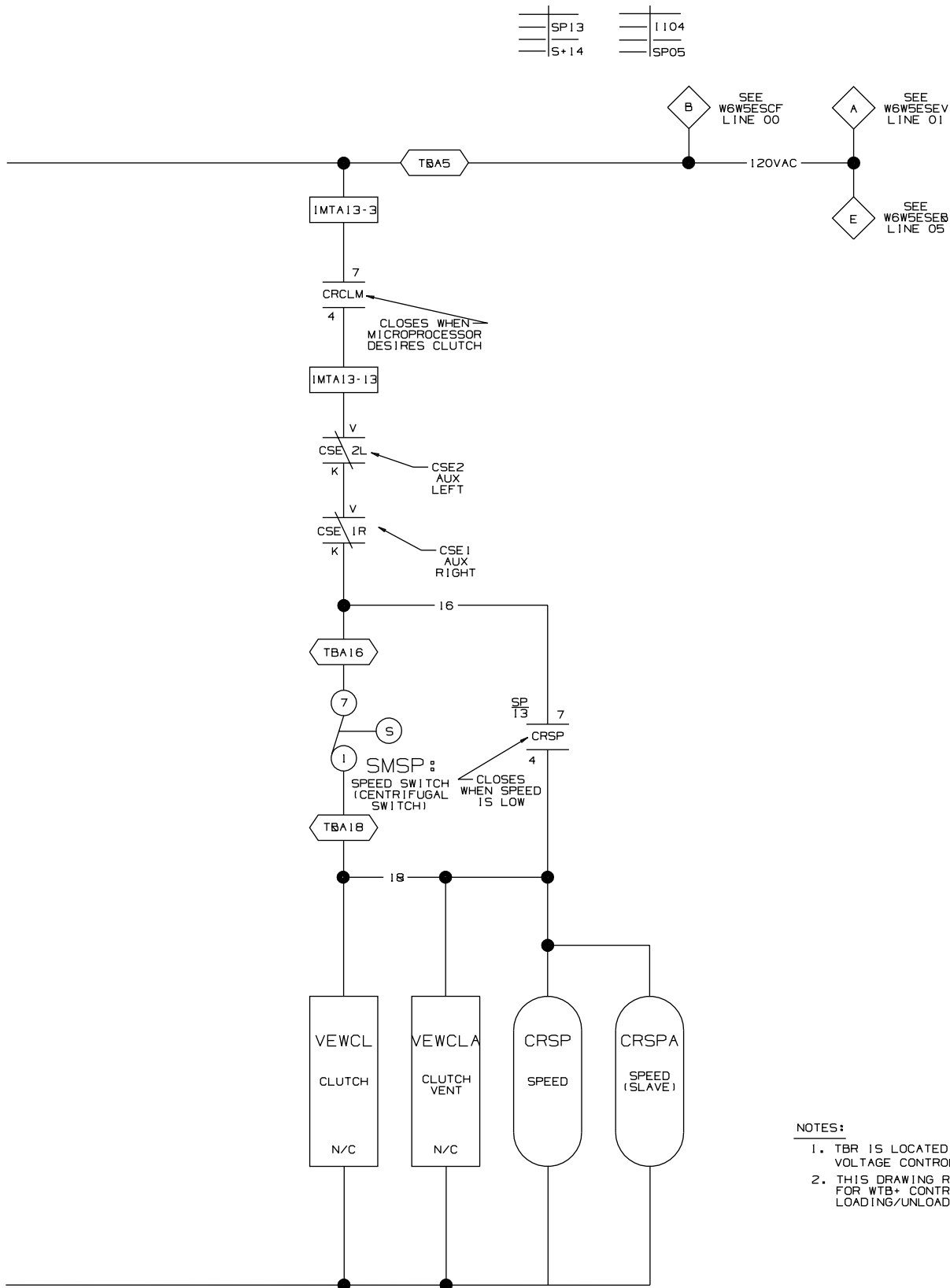
W6W5EAS+

MICRO 6 SYSTEMS SERIAL CONTROLS
MARK III WTB+ WITH DRYEL
SCHEMATIC: START CIRCUIT FOR
AUTOMATIC LOADING/UNLOADING
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

NOTES:

1. REMOVE (J4) FOR VARIABLE SPEED OPTION.
2. THIS DRAWING REPLACES W6W5ESS+ FOR WTB+ CONTROLS (AUTOMATIC LOADING/UNLOADING) WITH DRYEL





NOTES:

1. TBR IS LOCATED IN LOW VOLTAGE CONTROL BOX.
2. THIS DRAWING REPLACES W6W2ESSP FOR WTB+ CONTROLS (AUTOMATIC LOADING/UNLOADING)

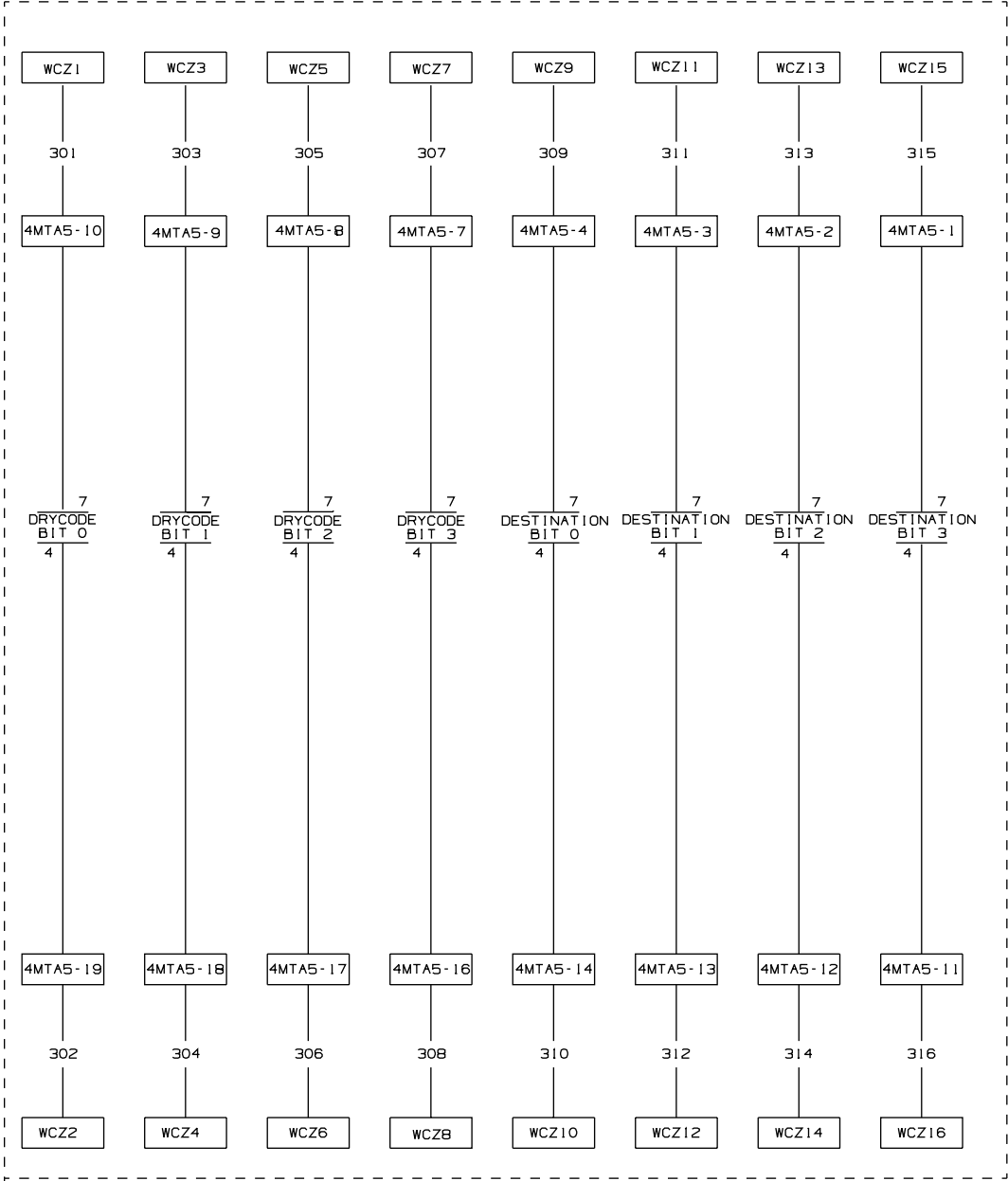
W6W5EASP
MICRO 6 SYSTEMS
MARK V WTB+
SPEED, DOOR CIRCUITS, & MASTER
SWITCH FOR AUTOMATIC LOADING
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

Section

4

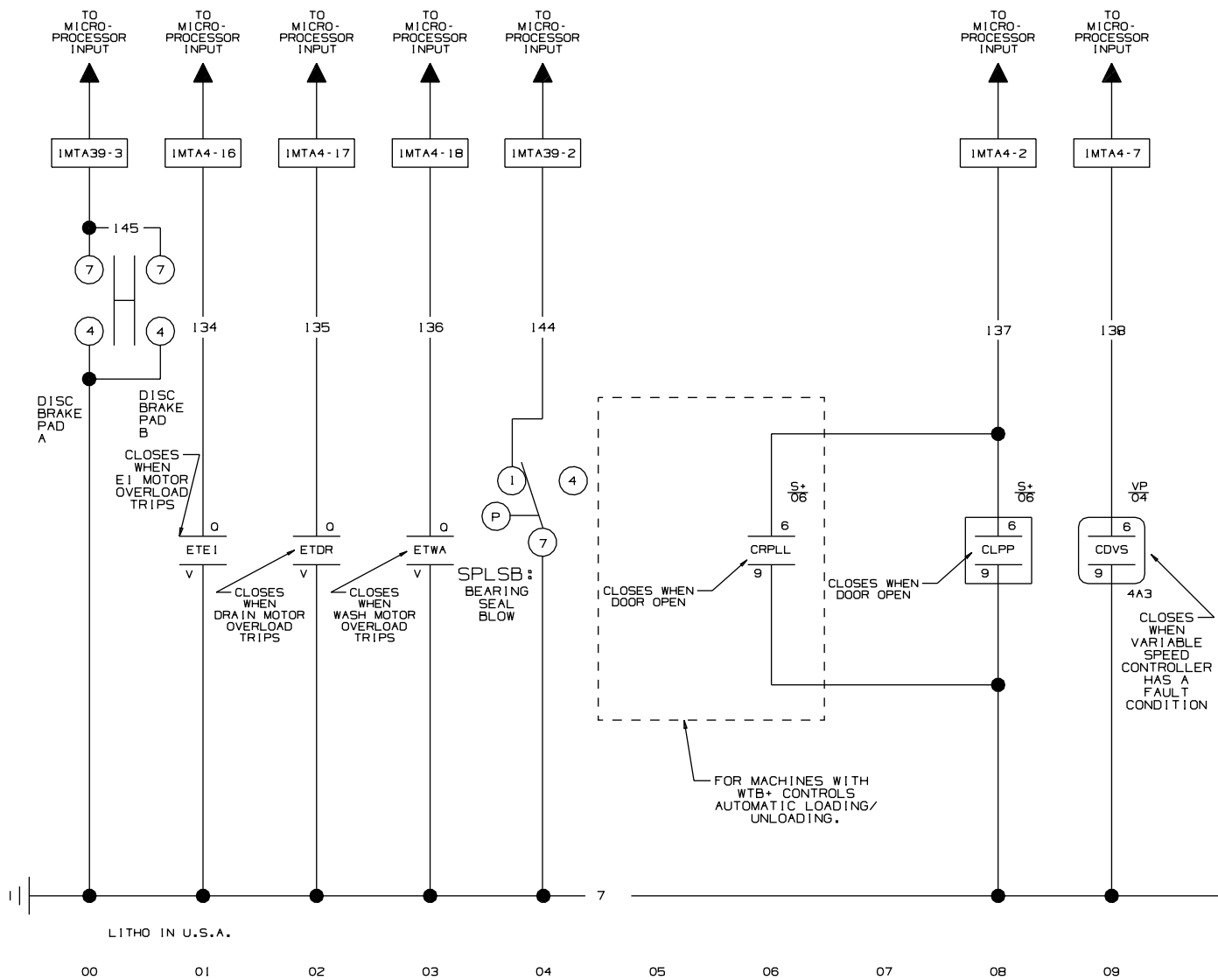
Automatic Loading/Unloading with Dryel Schematics

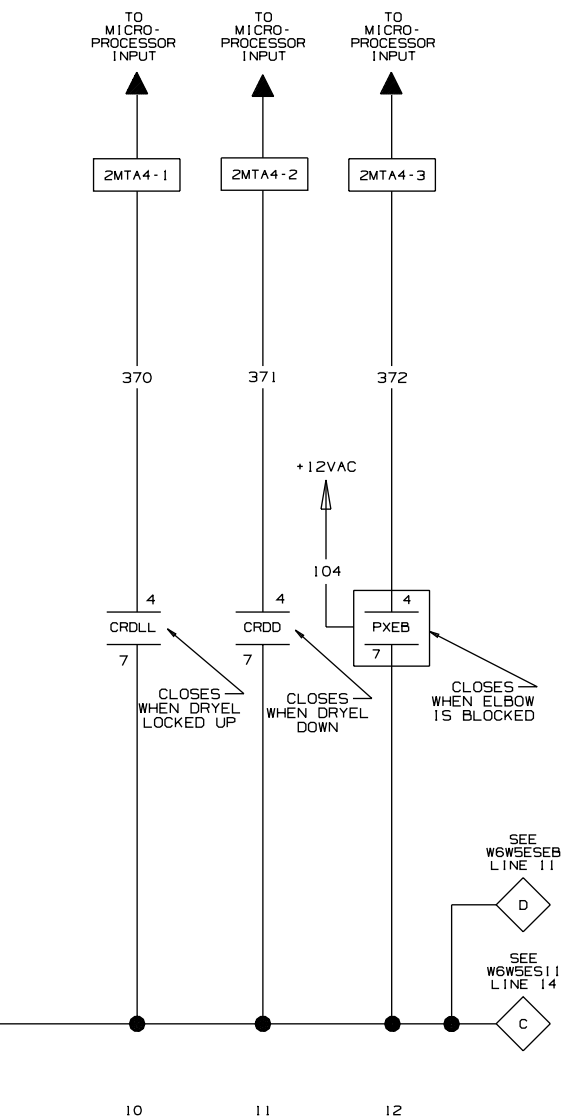
ALLIED
DATA PASS
OPTION



NOTES:
REPLACES W6W2ESDP
FOR WTb+ WITH DRYEL

W6W5EADPD
MICRO 6 SYSTEMS
MARK V WTb+ WITH DRYEL
SCHEMATIC: ALLIED DISCHARGE
PELLERIN MILNOR CORPORATION





NOTES:

1. 1MTA4 IS LOCATED ON B10-1 (B OUTPUT 16 INPUT BOARD).
 2. 2MTA4 IS LOCATED ON B10-2 (B OUTPUT 16 INPUT BOARD).
 3. 1MTA39 IS LOCATED ON B10 (PROCESSOR BOARD).
- REPLACES W6WSE12 FOR DRYEL

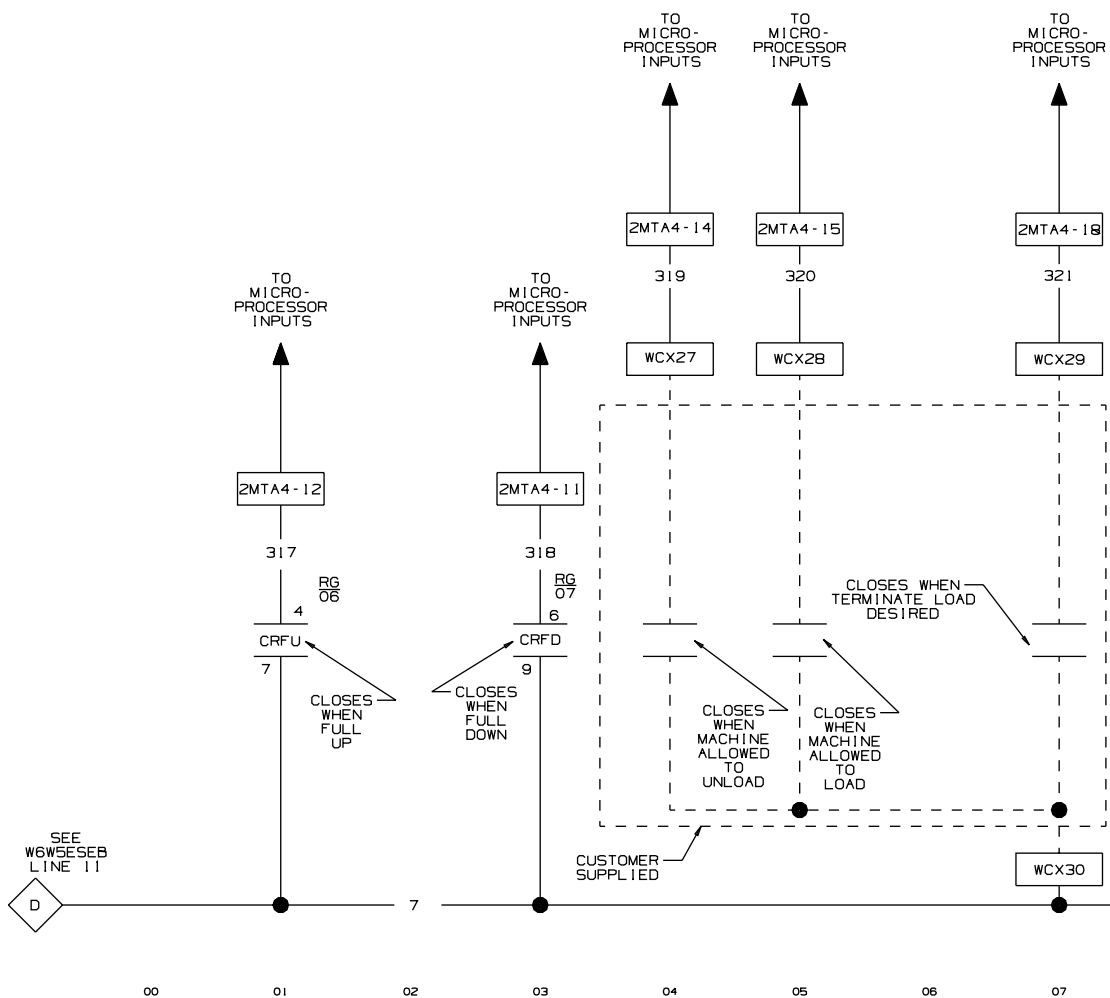
W6W5EA12D

MICRO 6 SYSTEMS

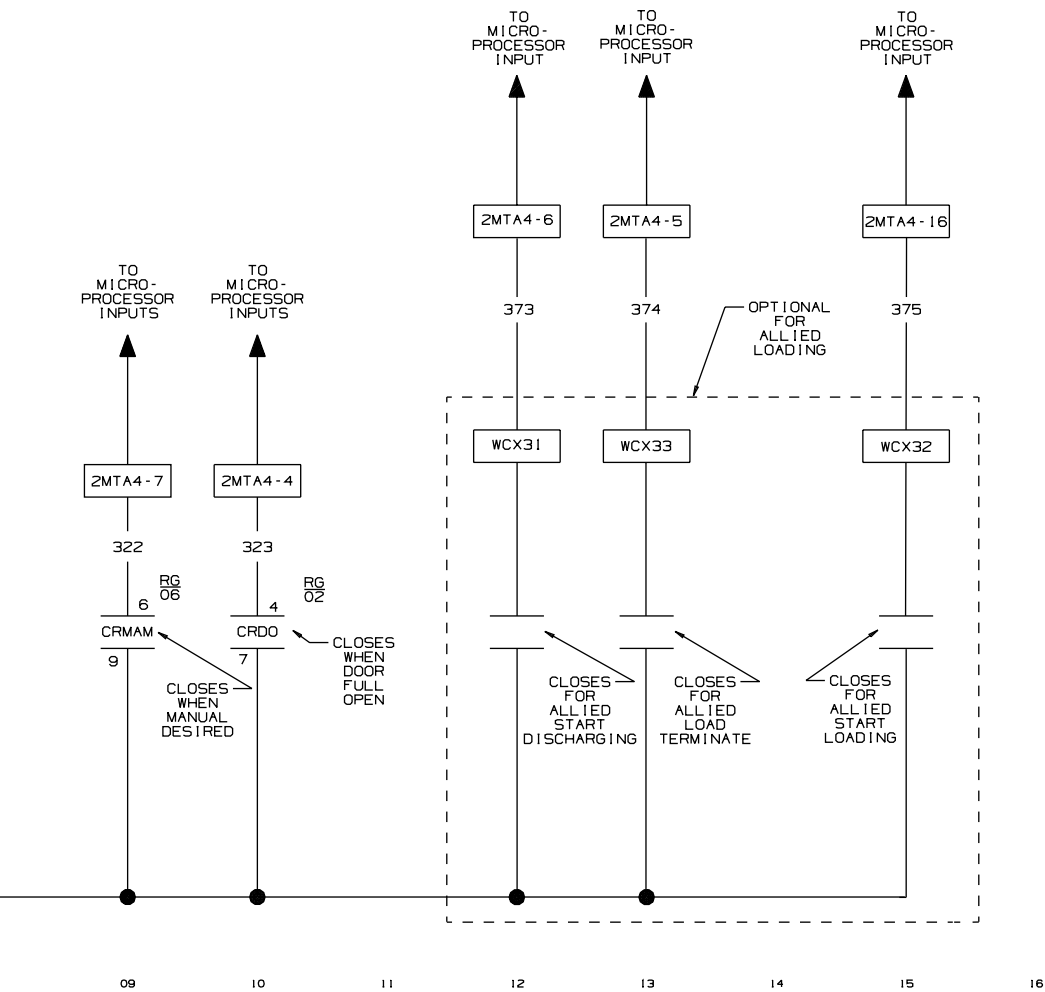
MARK V WTB+ WITH DRYEL

SCHEMATIC: MICROPROCESSOR INPUTS

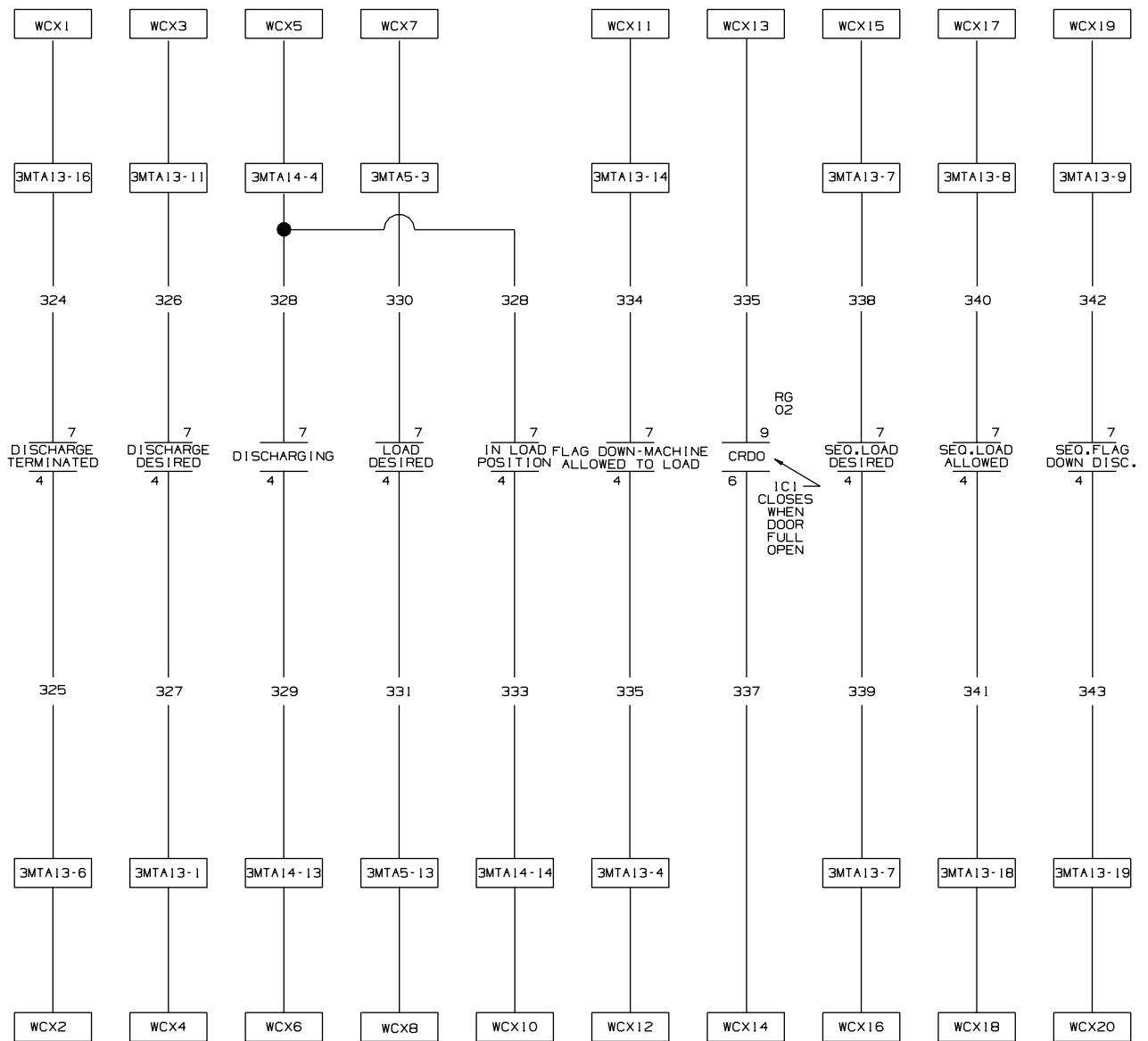
PELLERIN MILNOR CORPORATION



W6W5EA13D
MICRO 6 SYSTEMS
MARK V WTB+ WITH DRYEL
SCHEMATIC: MICROPROCESSOR INPUTS
AUTOMATIC LOADING
PELLERIN MILNOR CORPORATION



NOTES:
REPLACES W6W5EA13
FOR DRYEL



00

01

02

03

04

05

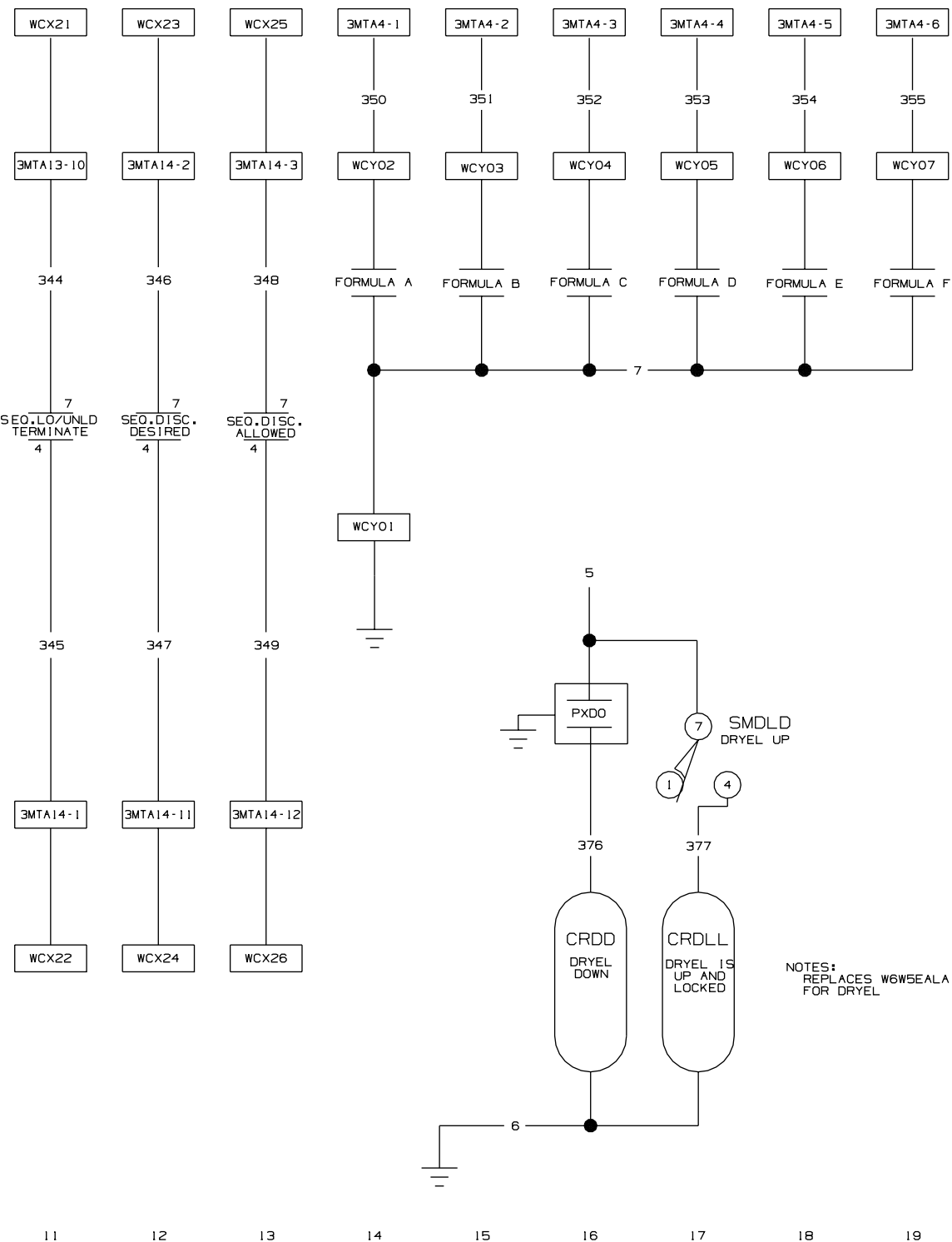
06

07

08

09

10



NOTES:
REPLACES W6W5EALA
FOR DRYEL

W6W5EALAD

MICRO 6 SYSTEMS

MARK V WTB+ WITH DRYEL

SCHEMATIC: AUTOMATIC LOADING OUTPUTS

PELLERIN MILNOR CORPORATION

I310
RGE09
LA07

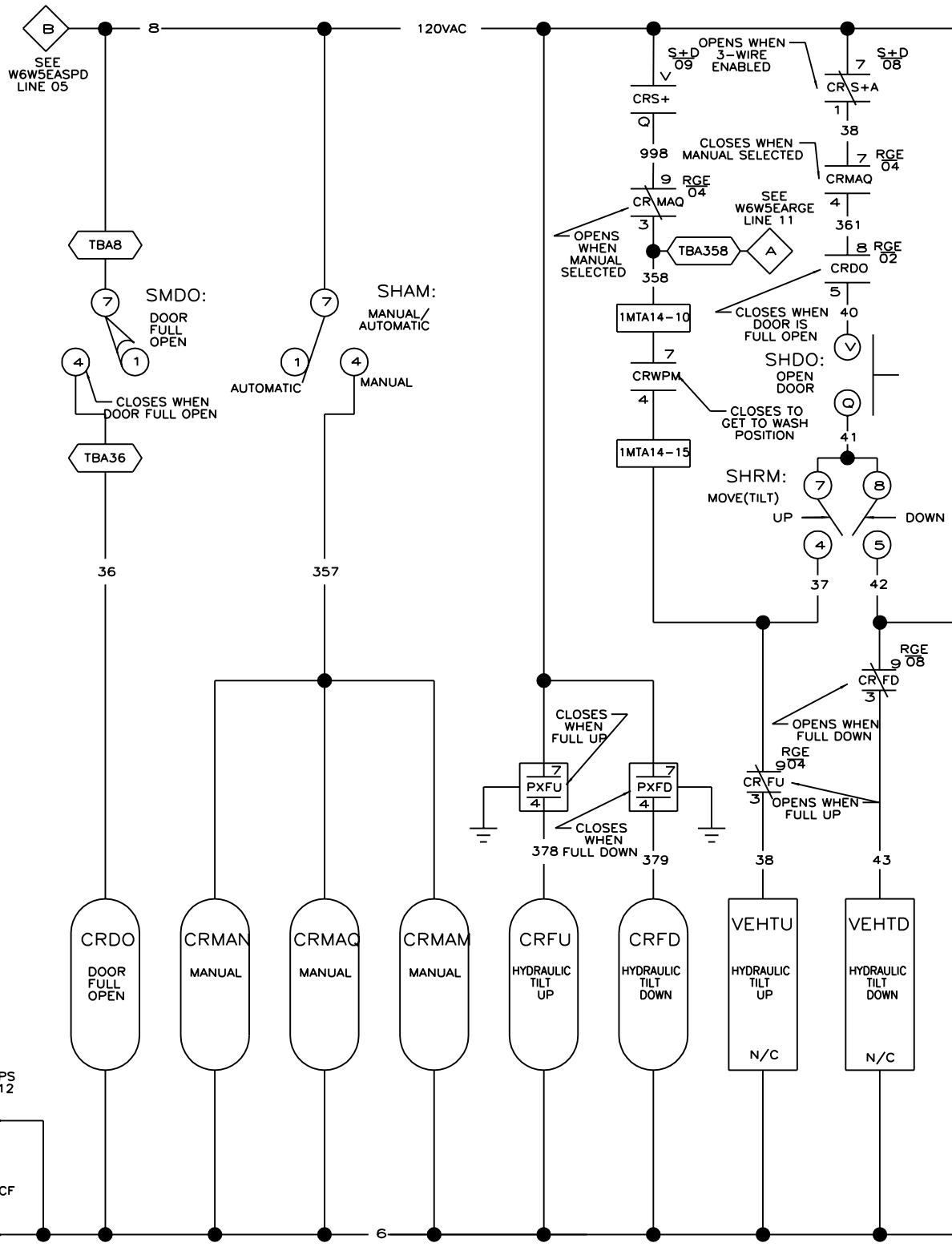
RGE12

RGE09
RGE16
RGE07

I309

I301
RGE09

RGE17
RGE11
I303



00 01 02 03 04 05 06 07 08 09 10



NOTES:
THIS DRAWING REPLACES
W6W5ESRGB FOR WTB+
CONTROLS (AUTOMATIC
LOADING/UNLOADING) WITH DRYEL.

S+D02

SPD02
13D00
SPD01
12D05

RGE09 RGE07 RGE12 RGE06
1105
RGE07

SMPLL:
DOOR (LATCH) SWITCH
(SHOWN DOOR OPEN)

SHSOE:
EMERGENCY
STOP

SHDO:
OPEN
DOOR

SHSO:
STOP

FOR FRENCH
MACHINES THERE
ARE 4 EMERGENCY
STOP SWITCHES
IN SERIES

CR PLL
2

OPENS WHEN
DOOR IS LATCHED

CLOSES WHEN
MICROPROCESSOR
DESIRES SIGNAL

S+D
09
CRS+
6

CLOSES WHEN
VARIABLE
SPEED IS
ENABLED

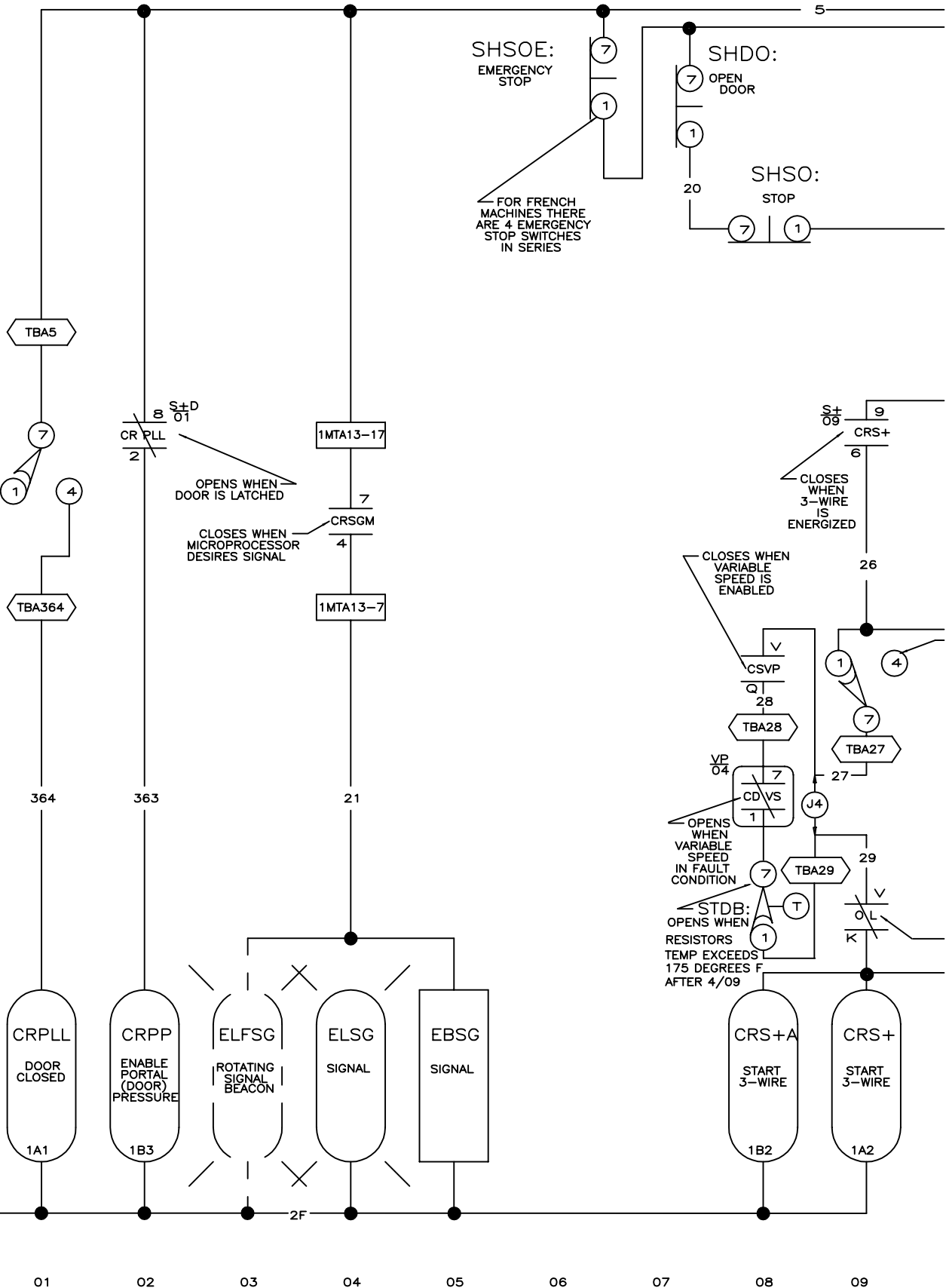
OPENS WHEN
VARIABLE
SPEED
IN FAULT
CONDITION

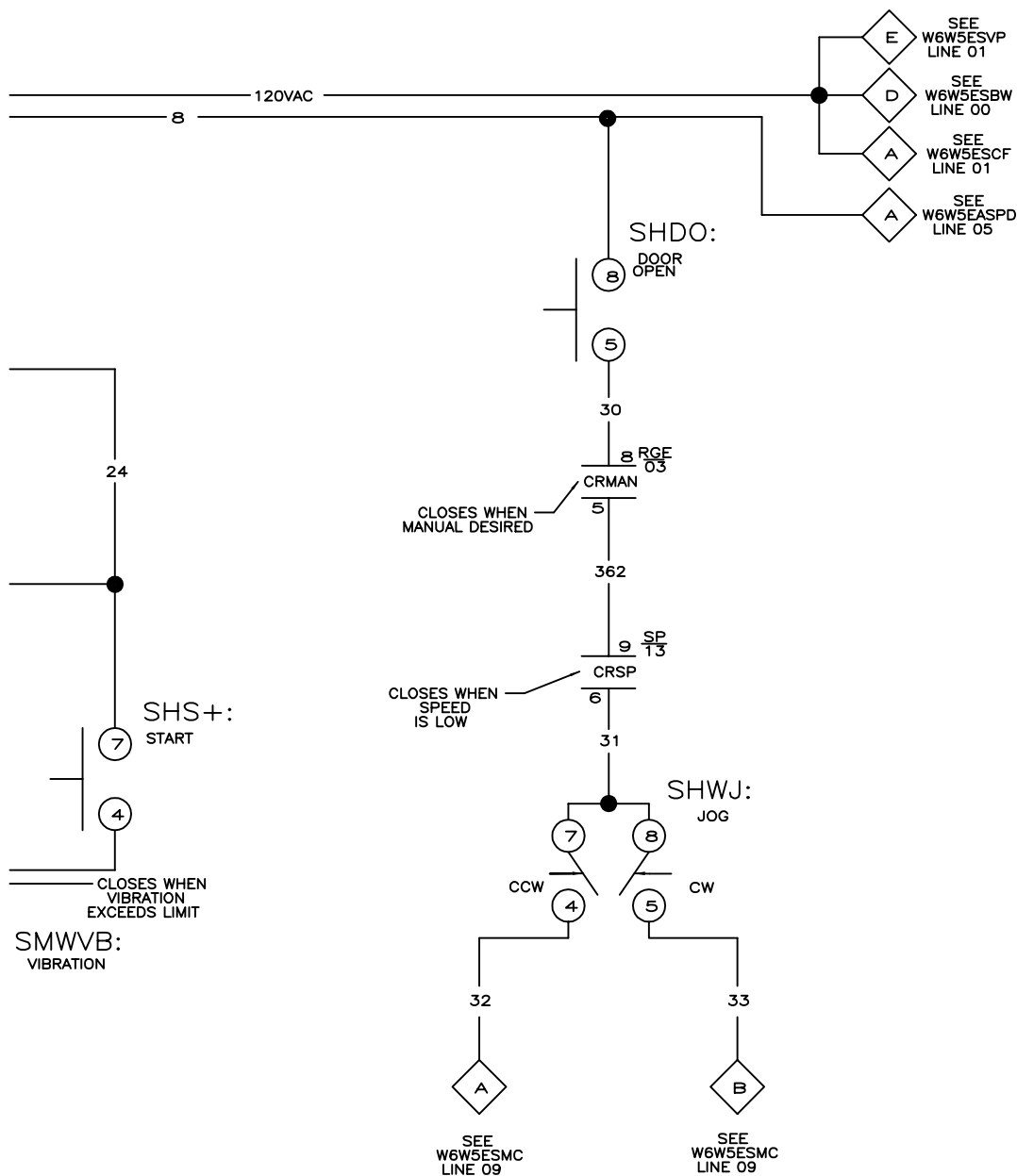
STDB:
OPENS WHEN
RESISTORS
TEMP EXCEEDS
175 DEGREES F
AFTER 4/09

SEE
W6W5ESEB
LINE 00

SEE
W6W5ESMC
LINE 02

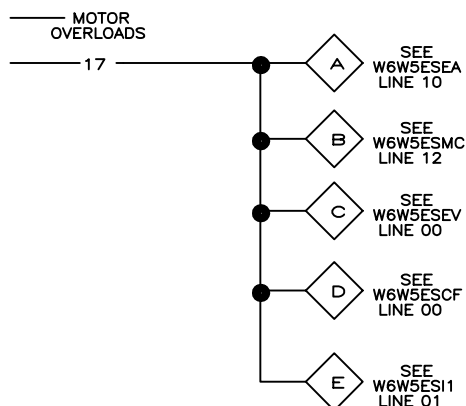
LITHO IN U.S.A.





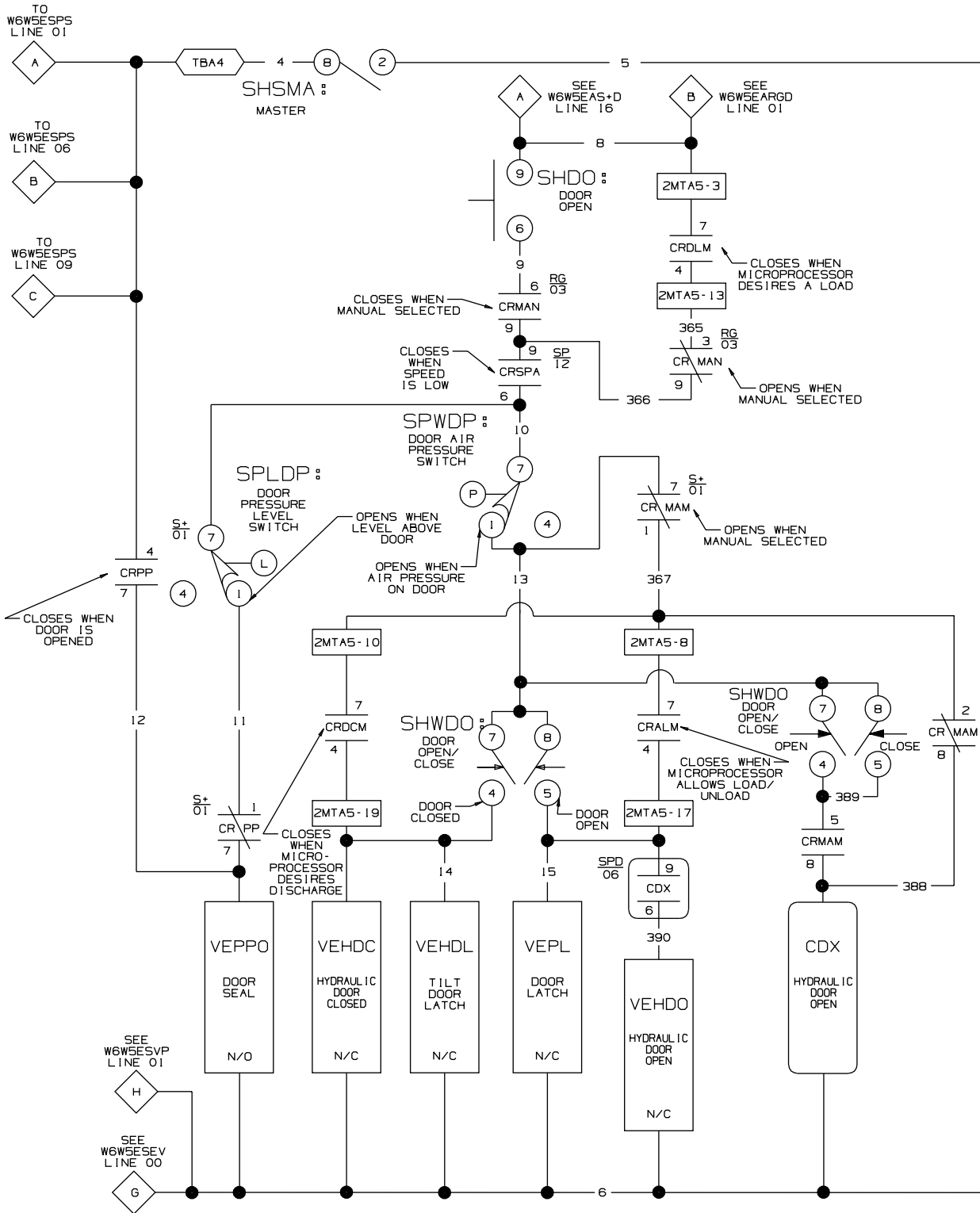
W6W5EAS+D

MICRO 6 SYSTEMS
MARK V WTB+ WITH DRYEL
SCHEMATIC: START CIRCUIT FOR
AUTOMATIC LOADING/UNLOADING
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

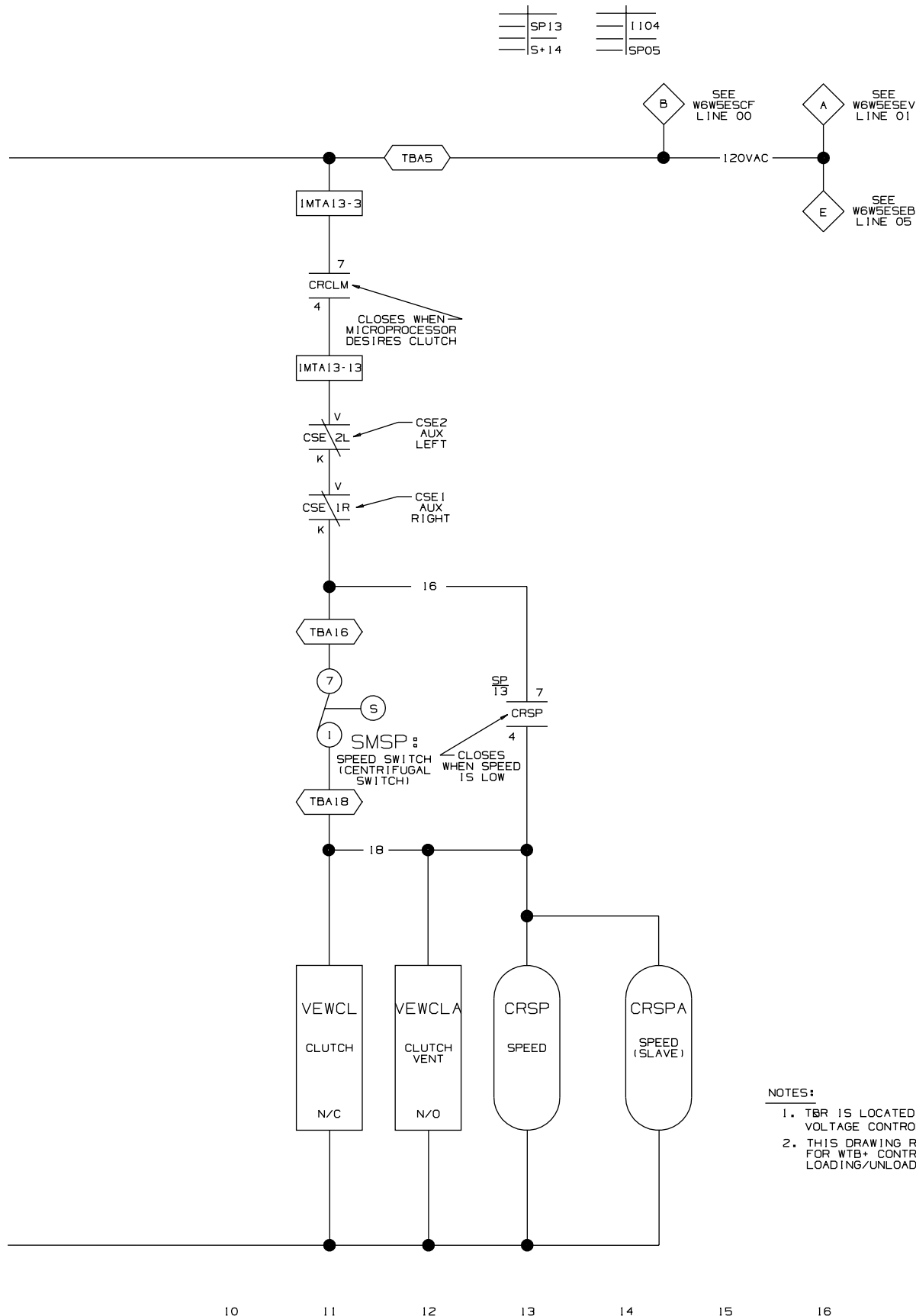


NOTES:

1. REMOVE (J4) FOR VARIABLE SPEED OPTION.
2. THIS DRAWING REPLACES W6W5ESS+B FOR WTB+ CONTROLS (AUTOMATIC LOADING/UNLOADING) WITH DRYEL



00 01 02 03 04 05 06 07 08 09



NOTES:

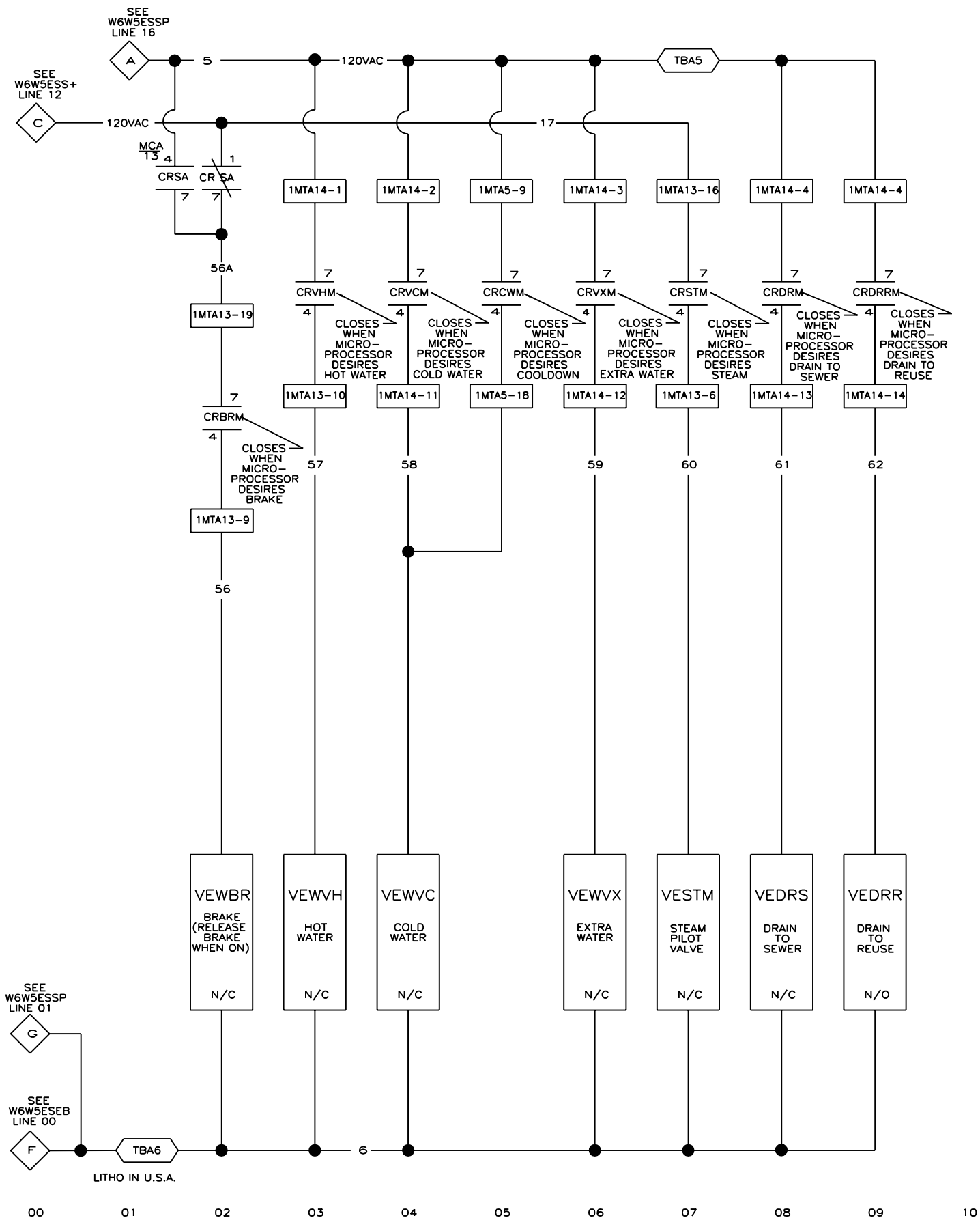
1. TBR IS LOCATED IN LOW VOLTAGE CONTROL BOX.
2. THIS DRAWING REPLACES W6W2ESSP FOR WTB+ CONTROLS (AUTOMATIC LOADING/UNLOADING) WITH DRYEL

W6W5EASPD
MICRO 6 SYSTEMS
MARK V WTB+ WITH DRYEL
SCHEMATIC: SPEED, DOOR CIRCUITS, & MASTER
SWITCH FOR AUTOMATIC LOADING
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

Section

5

Manual Dryel Loading Schematics



W6W5ESEVA

MICRO 6 SYSTEMS

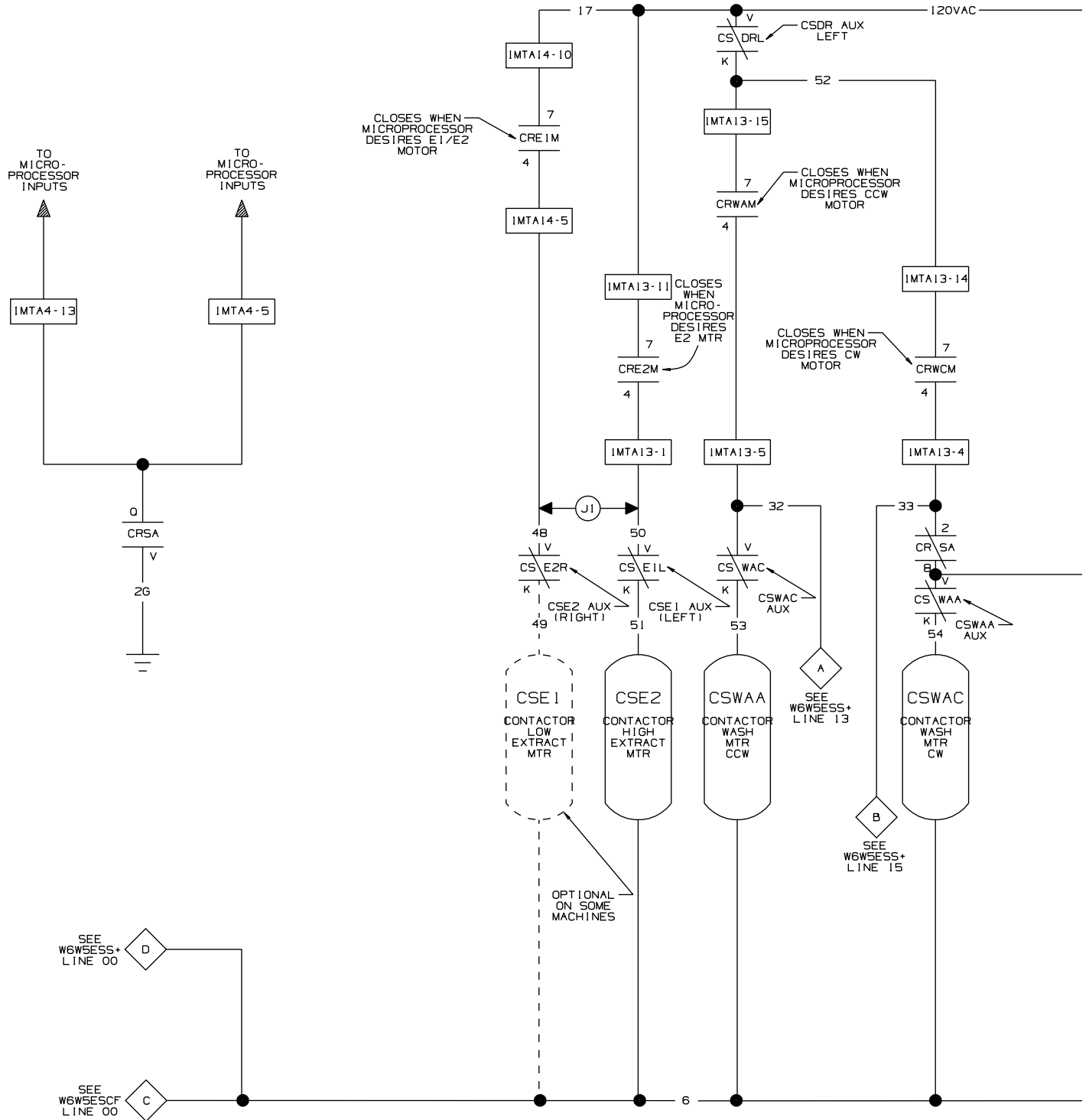
MARK V

SCHEMATIC: ELECTRICAL VALVES

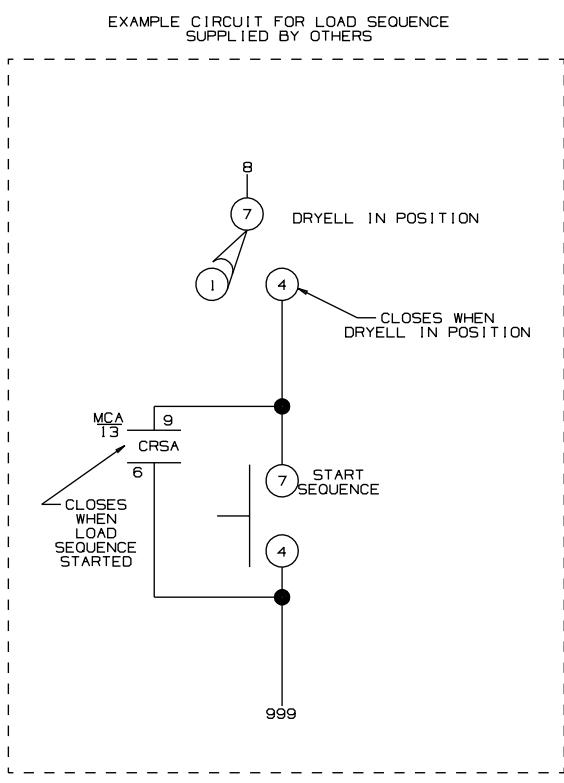
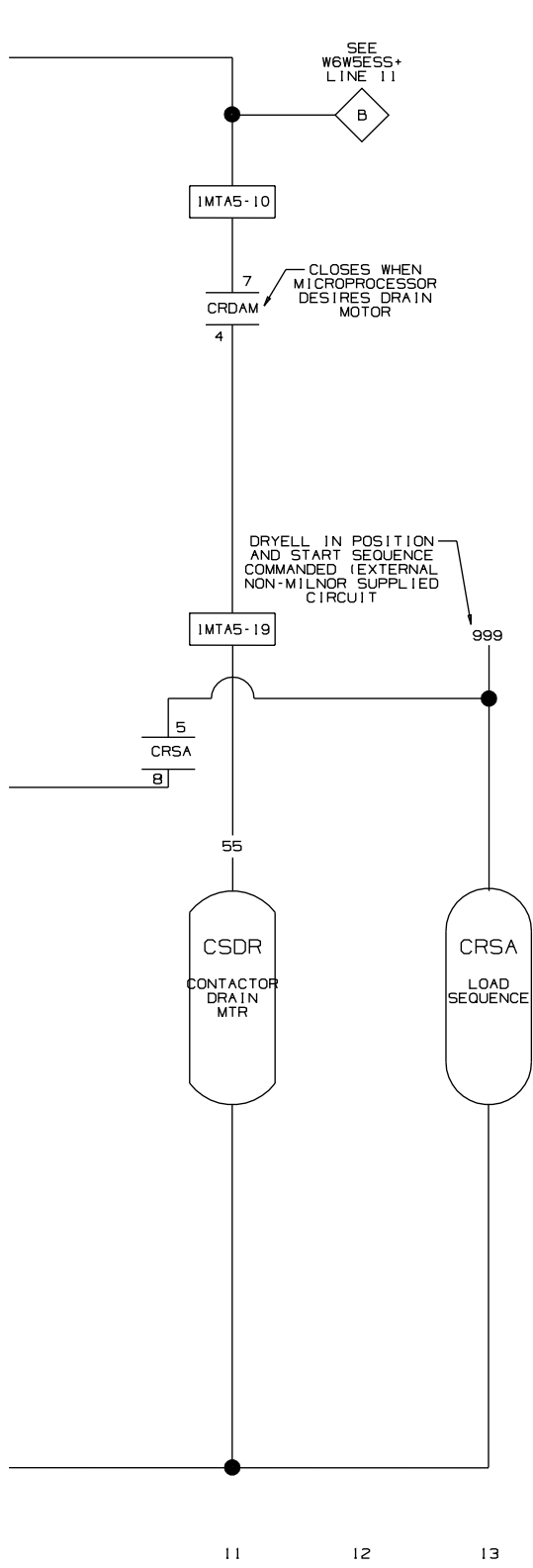
MODIFIED FOR SPECIAL LOADING CIRCUIT

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.



- NOTES:
1. REMOVE (J1) FOR TWO SPEED EXTRACT.
 2. SEE DRAWING W6W2ESVP FOR WASH MOTOR CONTACTOR WITH VARIABLE SPEED CONTROLLER OPTION.

W6W5ESMCA
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: DRIVE MOTOR CONTACTOR
MODIFIED FOR SPECIAL LOADING CIRCUIT
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION