

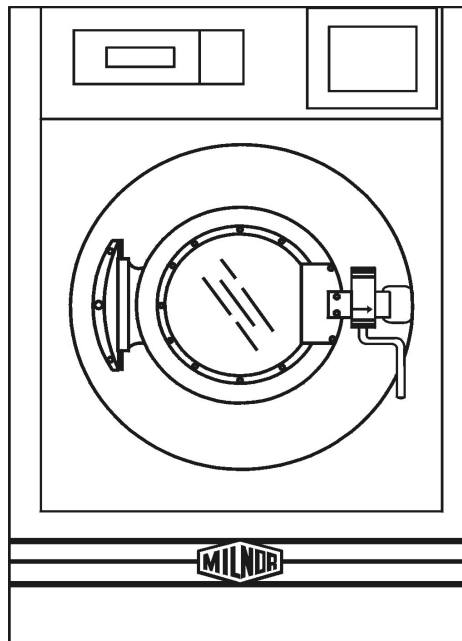
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**Read the
separate
safety
manual
before
installing,
operating,
or servicing**

Schematic/Electrical Parts— 30022 & 36030F8,J8-P,W 42032F7,J7-P,W MARK V CONTROLS, 48040F7-W,N 68036F5N MARK VI CONTROLS



Please Read

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

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COMPONENT PARTS LIST

W6F3WSPL/2008055N

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
001	>>>CONTROL BOX LAYOUTS DETAIL-36030 F8P/W CONTROL BOX	W6F3WSTG1	B2TAG96033	36030 F7P/W CONTROL BOX	SEE FUNCTION
002	DETAIL-186 PROCESSOR CONTROL BOX	W6F3WSTG1	B2TAG98040	186 PROCESSOR BOX	SEE FUNCTION
003	DETAIL-36+42 VALVE BOX	W6F3WSTG1	B2TAG95056	TAG: 42032F7 VALVE ASSEMBLY	SEE FUNCTION
004	DETAIL-40032F7P/W CONTROL BOX	W6F3WSTG2	B2TAG97079	MK5 42032F7P/W C-BOX	SEE FUNCTION
005	DETAIL-INPUT AND OUTPUT BOARDS	W6F3WSTG2	B2TAG96034	CONTROL BOARDS INPUTS/OUTPUTS	SEE FUNCTION
006	DETAIL-VALVE SET 48/68 F5N/W	W6F3WSTG2	B2T2000019	TAG:4840 F7N VALVE SET	SEE FUNCTION
007	DETAIL 30022F8P/W , J8P CONTROL BOX	W6F3WSTG3	B2TAG97078	MK5 30022F8P/W C-BOX	SEE FUNCTION
008	DETAIL-30022J8P SAMPLE DOOR BOX	W6F3WSTG3	B2TAG98031	SAMPLE DOOR TAG F8P	SEE FUNCTION
009	DETAIL-48040 LOW VOLTAGE CONTROL BX	W6F3WSTG4	B2T2000022	48040F7W/N LOW VOLT CONTROL BX	SEE FUNCTION
010	DETAIL-48040 HIGH VOLTAGE CONTROL BX	W6F3WSTG4	B2T2000021	48040F7J/B/P HIGH VOLT CNTL BX	SEE FUNCTION
011	DETAIL:68036 LOW VOLTAGE CONTROL BX	W6F3WSTG5	B2T2003004	68036 F5W/N LOW VOLT CNTRL BX	SEE FUNCTION
012	DETAIL-68036 HIGH VOLTAGE CONTROL BX	W6F3WSTG5	B2T2003003	68036 F5W/N HIGH VOLT CNTRL BX	SEE FUNCTION
BA	>>>PRINTED CIRCUIT BOARDS				
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6F3WSBWA	08BSADCT	BD: SERIAL A-D CONVERT->TEST	CONTROL BOX
BAD-1	BOARD-ANALOG TO DIGITAL CONVERTER	W6F3WSEC	08BSADCT	BD: SERIAL A-D CONVERT->TEST	CONTROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSCF	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSEV	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSEVA	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSS+	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSS+1	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSS+2	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSS+3	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSS+4	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSES+5	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSES+A	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSES+C	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSES+D	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSES+H	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSES+FF	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BAS	BOARD-16 SNUBBER CIRCUITS	W6F3WSES+G	08BNCMBT	COIN MACHINE SNUBBER->TESTED	CONROL BOX
BBB-1	BOARD-MEMORY BATTERY BACKUP	W6F3WSBWA	08BSBB1T	BOARD: SER BATT BACKUP-TEST	PROCESSOR BX
BDA-1	BOARD-DIGITAL TO ANALOG CONVERTOR	W6F3WSBWA	08BSDACHT	BD:HI-RES SERIAL D-A->TEST	CONTROL BOX

COMPONENT PARTS LIST

W6F3WSPL/2008055N

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
BDVFD	DISPLAY-MICROPROCESSOR-VFD	W6F3WSBWA	08BSEVFD5V	BD: SERIAL VFD 2LINE 186-19200B-TEST	SWITCH PANEL
BDFP	DISPLAY-MICROPROCESSOR-COLOR FP	W6F3WSDF	08EFD320A	DISPLAY#AV05114KIT#BT057PM	SWITCH PANEL
BFPD	BOARD-FLAT PNL CONTROLLER	W6F3WSDF	MESSAGE EW	INCLUDED IN KIT FOR BDFP ABOVE	SWITCH PANEL
BFPI	BOARD-FLAT PNL INTERFACE	W6F3WSDF	08BSAT3AT	BD:FLAT PNL DISP INF->TESTED	SWITCH PANEL
BIO-1	BOARD-8OUTPUT/16INPUT #1	W6F3WSBWA	08BS816CHT	BD 8OUT-16IN HIGH SPD->TEST	CONTROL BOX
BLB	BOARD-LEVEL TRANSDUCER	W6F3WSEC	08BNLTT	LEVEL TRANSDUCER BD->TEST	CONTROL BOX
BMTH	BOARD-5 CHANNEL MOTHER	W6F3WSBWA	08BSMTHAT	BD:SERIAL 5 CARD MOTHER->TEST	CONTROL BOX
BO24-1	BOARD-24 OUTPUT #1	W6F3WSBWA	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	CONTROL BOX
BO24-2	BOARD-24 OUTPUT #2	W6F3WSBWA	08BSO24AT	BD:SERIAL 24 OUTPUT->TEST	CONTROL BOX
BPB	BOARD-186 PROCESSOR	W6F3WSBWA	08BSPE2T	SERIAL 186 PROC BD+FP->TEST	PROCESSOR BX
BSP	BOARD-SPEED SENSING	W6F3WSBWA	08BNDSRAT	BD DRY SAFETY ROTATION->TEST	CONTROL BOX
CD	>>>RELAY-TIME DELAY				
CDS	DELAY-SAMPLE DOOR	W6F3WSDS	08TF090A71	ELECT ADJ RELAY 1-90 230V 60C	CONTROL BOX
CL	>>>RELAY-LATCH				
CLA	LATCH-DOOR SEAL	W6F3WSS+2	09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL BOX
CLA	LATCH-DOOR SEAL	W6F3WSS+4	09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL BOX
CLA	LATCH-DOOR SEAL	W6F3WSS+A	09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL BOX
CLA	LATCH-DOOR SEAL	W6F3WSS+D	09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL BOX
CLA	LATCH-DOOR SEAL	W6F3WSS+H	09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL BOX
CLA	LATCH-DOOR SEAL	W6F3WSS+FF	09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL BOX
CLA	LATCH-DOOR SEAL	W6F3WSS+G	09CL2C-C71	RELAY-LATCH DPDT 240V 2-COIL	CONTROL BOX
CP	>>>PHOTOEYE				
CPSP	PHOTOEYE-SPEED LESS THAN 48"	W6F3WSBWA	09RPE013	SENSOR E-Z BEAM DC	MAIN PULLEY
CPSP	PHOTOEYE-SPEED 48" DIA. AND GREATER	W6F3WSBWA	09RPE013Q	SENSOR E-Z BEAM QUICK CONN DC	MAIN PULLEY
CR	>>>RELAY-PILOT OR CONTROL				
CRA	RELAY-DOOR SEALED	W6F3WSS+H	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRA	RELAY-DOOR SEALED	W6F3WSS+FF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRA	RELAY-DOOR SEALED	W6F3WSS+G	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRC01	RELAY-INTERPRET RELAY #1	W6F3WSCP	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC02	RELAY-INTERPRET RELAY #2	W6F3WSCP	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC03	RELAY-INTERPRET RELAY #3	W6F3WSCP	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC04	RELAY-INTERPRET RELAY #4	W6F3WSCP	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC05	RELAY-INTERPRET RELAY #5	W6F3WSCP	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND THIS COMPONENT</u>		<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
CRC06	RELAY-INTERPRET RELAY #6	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC07	RELAY-INTERPRET RELAY #7	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC08	RELAY-INTERPRET RELAY #8	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC09	RELAY-INTERPRET RELAY #9	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC10	RELAY-INTERPRET RELAY #10	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC11	RELAY-INTERPRET RELAY #11	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC12	RELAY-INTERPRET RELAY #12	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC13	RELAY-INTERPRET RELAY #13	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC14	RELAY-INTERPRET RELAY #14	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRC15	RELAY-INTERPRET RELAY #15	W6F3WSCP	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	INT RELAY BX
CRD	RELAY-DOOR UNLATCH	W6F3WSS+2	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRD	RELAY-DOOR UNLATCH	W6F3WSS+4	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRD	RELAY-DOOR UNLATCH	W6F3WSS+A	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRD	RELAY-DOOR UNLATCH	W6F3WSS+D	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRD	RELAY-DOOR UNLATCH	W6F3WSS+H	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRD	RELAY-DOOR UNLATCH	W6F3WSS+HF	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRD	RELAY-DOOR UNLATCH	W6F3WSS+G	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRDO	RELAY-DOOR OPEN	W6F3WSS+1	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRDO	RELAY-DOOR OPEN	W6F3WSS+2	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRDO	RELAY-DOOR OPEN	W6F3WSS+3	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRDO	RELAY-DOOR OPEN	W6F3WSS+4	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRDOA	RELAY-DOOR FULL OPEN	W6F3WSRH	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRDOA	RELAY-DOOR FULL OPEN	W6F3WSRHA	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRDOA	RELAY-DOOR FULL OPEN	W6F3WSRHF	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CREI	RELAY-DOOR OPEN AND UNLATCHED	W6F3WSS+H	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CREI	RELAY-DOOR OPEN AND UNLATCHED	W6F3WSS+HF	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CREI	RELAY-OK TO JOG	W6F3WSS+G	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFDL	RELAY-FRONT DOWN LEFT	W6F3WSRH	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFDL	RELAY-FRONT DOWN LEFT	W6F3WSRHA	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFDL	RELAY-FRONT DOWN LEFT	W6F3WSRHF	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFDLF	RELAY-FRENCH SPECS ONLY	W6F3WSRHF	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFDR	RELAY-FRONT DOWN RIGHT	W6F3WSRH	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFDR	RELAY-FRONT DOWN RIGHT	W6F3WSRHA	09C024D71	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX

COMPONENT PARTS LIST

W6F3WSPL/2008055N

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
CRFDR	RELAY-FRONT DOWN RIGHT	W6F3WSRHF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFDRF	RELAY-FRENCH SPECS ONLY	W6F3WSRHF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFL	RELAY-FRONT LEFT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFL	RELAY-FRONT LEFT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFL	RELAY-FRONT RIGHT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFL	RELAY-FRONT RIGHT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRFU	RELAY-FRONT FULL UP	W6F3WSRHF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRIF	RELAY-INVERTER FAULT	W6F3WSS+4	09C024D71	RELAY 3PDT SILVER 11PIN 24VDC	CONTROL BOX
CRIF	RELAY-INVERTER FAULT	W6F3WSS+D	09C024D71	RELAY 3PDT SILVER 11PIN 24VDC	CONTROL BOX
CRLL	RELAY-DOOR CLOSED	W6F3WSS+FF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRDL	RELAY-REAR DOWN LEFT	W6F3WSRH	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRDL	RELAY-REAR DOWN LEFT	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRDL	RELAY-REAR DOWN LEFT	W6F3WSRHF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRDR	RELAY-REAR DOWN RIGHT	W6F3WSRH	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRDR	RELAY-REAR DOWN RIGHT	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRDR	RELAY-REAR DOWN RIGHT	W6F3WSRHF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRLL	RELAY-REAR LEFT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRLL	RELAY-REAR LEFT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRRL	RELAY-REAR RIGHT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRRRL	RELAY-REAR RIGHT LOCKED	W6F3WSRHA	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+1	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+2	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+3	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+4	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+5	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+A	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+C	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+D	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+E	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+F	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+FF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+	RELAY-START 3-WIRE	W6F3WSS+G	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX

COMPONENT PARTS LIST

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<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
CRS+A	RELAY-START 3-WIRE (SLAVE)	W6F3WSS+H	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRS+A	RELAY-START 3-WIRE (SLAVE)	W6F3WSS+FF	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRSAD	RELAY-DISABLE DOOR	W6F3WSDS	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRSAE	RELAY-SAMPLE DESIRED	W6F3WSDS	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRSDR	RELAY-SAMPLE DOOR RELEASE	W6F3WSDS	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CRWJ	RELAY-JOG (68F5N ONLY)	W6F3WSHD	09C024D71	RELAY 4PDT DIFGLD 14PIN 240V	CONTROL BOX
CS	>>> CONTACTOR-MOTOR STARTER				
CSDO	CONTACTOR-HYDRAULIC DOOR OPEN	W6F3WSHD	09MC08C371	16A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSR	CONTACTOR-RECIRCULATE	W6F3WSEV	09MC04E371	32A 3P CONT.NR 240V5/6 IEC	CONTROL BOX
CSR	CONTACTOR-RECIRCULATE	W6F3WSEVA	09MC04E371	32A 3P CONT.NR 240V5/6 IEC	CONTROL BOX
CSVS	CONTACTOR-INVERTER 3022F8	W6F3WSS+	09MC08C371	16A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 3022J8	W6F3WSS+1	09MC08C371	16A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 4232J7	W6F3WSS+2	09MC08L371	60A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 3630J8	W6F3WSS+3	09MC08G371	37A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 4232J7	W6F3WSS+4	09MC08L371	60A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 3022J8	W6F3WSS+5	09MC08C371	16A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 4232F7	W6F3WSS+A	09MC08J371	43A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 3630F8	W6F3WSS+C	09MC08G371	37A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 4232F7	W6F3WSS+D	09MC08L371	60A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 3022F8	W6F3WSS+E	09MC08C371	16A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 4840F7	W6F3WSS+F	09MC08G371	37A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVEERTER 6836F5	W6F3WSS+H	09MC08N371	72A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 4840F7	W6F3WSS+FF	09MC08G371	37A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 6836F5	W6F3WSS+FF	09MC08N371	72A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 4840F7	W6F3WSS+G	09MC08G371	37A 3P MCS CONT NR 240V5/6	CONTROL BOX
CSVS	CONTACTOR-INVERTER 6836F5	W6F3WSS+G	09MC08N371	72A 3P MCS CONT NR 240V5/6	CONTROL BOX
EB	>>> BUZZER OR AUDIBLE SIGNAL				
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+1	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+2	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+3	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+4	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+5	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL

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<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>
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+A	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+C	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+D	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+E	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+F	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+FF	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EBSG	BUZZER-SIGNAL AUDIBLE	W6F3WSS+G	09H016	BUZZ. 230V W/6-32 CTR+6" LEADS	SWITCH PANEL
EF	>>>FUSE OR FUSE HOLDER				
EF01	FUSE-CONTROL CIRCUIT	W6F3WSLV	09FF006AMA	FUSE BK/ABC 6 AMP 250V BUSS	CONTROL BOX
EF02	FUSE-CONTROL CIRCUIT	W6F3WSLV	09FF006AMA	FUSE BK/ABC 6 AMP 250V BUSS	CONTROL BOX
EF1	FUSE-PRIMARY INCOMING VOLTAGE	W6F3WSLV	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	CONTROL BOX
EF2	FUSE-PRIMARY INCOMING VOLTAGE	W6F3WSLV	09FF005AWN	BUSE BUSS KTK 5AMP 600V=HPS HOLDER	CONTROL BOX
EL	>>>LIGHT-PILOT OR INDICATOR				
ELSAO	LIGHT-OK TO OPEN SAMPLE DOOR	W6F3WSDS	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SAMPLE SWPNL
ELSDR	LIGHT-SAMPLE DESIRED	W6F3WSDS	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SAMPLE SWPNL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+1	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+2	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+3	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+4	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+5	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+A	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+C	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+D	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+E	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+F	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+FF	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
ELSG	LIGHT-SIGNAL VISUAL	W6F3WSS+G	09J060A71	LAMP 1/2" AMB 250V IDI 1051QC3	SWITCH PANEL
EM	>>>ELECTROMAGNET AND SOLENOID				
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+1	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+2	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+3	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH

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EMDL	SOLENOID-DOOR LATCH	W6F3WSS+4	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+5	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+A	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+C	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+D	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
EMDL	SOLENOID-DOOR LATCH	W6F3WSS+E	09K062A71	SOLENOID 240/60--220/50 = ILOC	DOOR LATCH
ES	>>>POWER SUPPLY-ELECTRONIC				
ESPS	POWER SUPPLY-MICROPROCESSOR	W6F3WSBWA	08PSS3401T	40 WATT POWER SUPPLY TESTED	CONTROL BOX
ET	>>>THERMAL OVERLOAD DEVICES				
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+1	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+2	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+3	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+A	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+C	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+D	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSS+E	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDB	OVERLOAD-DYNAMIC BRAKE	W6F3WSVP	09F024A	OL RELAY 1P SZ1 SQD #9065-C01	CONTROL BOX
ETDO	OVERLOAD-DOOR OPEN MOTOR	W6F3WSHD	09FTD0037T	MCS OL RELAY ADJ. RANGE 3.7-12	CONTROL BOX
ETVS	OVERLOAD-GPD333 INVERTER 3022F8P/W	W6F3WSS+	09FTD0120T	MCS OL RELAY ADJ. RANGE 12-32	CONTROL BOX
ETVS	OVERLOAD-GPD333 INVERTER 3022J8P	W6F3WSS+1	09FTD0120T	MCS OL RELAY ADJ. RANGE 12-32	CONTROL BOX
ETVS	OVERLOAD-GPD505 INVERTER 4232J7P	W6F3WSS+2	09FTD0230T	MCS OL RELAY ADJ. RANGE 23-75	CONTROL BOX
ETVS	OVERLOAD-GPD505 INVERTER 3630J8P	W6F3WSS+3	09FTD0121T	MCS OL RELAY ADJ. RANGE 12-37	CONTROL BOX
ETVS	OVERLOAD-BALDOR INVERTER 4232J7P	W6F3WSS+4	09FTD0230T	MCS OL RELAY ADJ. RANGE 23-75	CONTROL BOX
ETVS	OVERLOAD-GPD515 INVERTER 3022J8P	W6F3WSS+5	09FTD0120T	MCS OL RELAY ADJ. RANGE 12-32	CONTROL BOX
ETVS	OVERLOAD-GPD505 INVERTER 4232F7P/W	W6F3WSS+A	09FTD0230T	MCS OL RELAY ADJ. RANGE 23-75	CONTROL BOX
ETVS	OVERLOAD-505 ETC. INVERTER 3630F8P/W	W6F3WSS+C	09FTD0121T	MCS OL RELAY ADJ. RANGE 12-37	CONTROL BOX
ETVS	OVERLOAD-BALDOR INVERTER 4232F7P/W	W6F3WSS+D	09FTD0230T	MCS OL RELAY ADJ. RANGE 23-75	CONTROL BOX
ETVS	OVERLOAD-GPD315 INVERTER 3022F8P/W	W6F3WSS+E	09FTD0120T	MCS OL RELAY ADJ. RANGE 12-32	CONTROL BOX
ETVS	OVERLOAD-VARIABLE SPEED INVERTER	W6F3WSVP	09FTD0230T	MCS OL RELAY ADJ. RANGE 23-75	CONTROL BOX
EX	>>>TRANSFORMERS				
EX37	TRANSFORMER-INCOMING VOLT.120VAC	W6F3WSLV	MESSAGE EW	SEE EX37-1, -2, OR -3 FOR VOLTAGE	CONTROL BOX
EX37-1	TRANSFORMER-208 TO 240V	W6F3WSLV	09U250AT71	AUTOXFMR 208V-230V 250VA	CONTROL BOX

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EX37-2	TRANSFORMER-380/480 TO 240VAC	W6F3WSLV	09U200AAB	XFMR 380-480V/240-120V-250VA	CONTROL BOX
EX37-3	TRANSFORMER-600 TO 240VAC	W6F3WSLV	09UB100098	BUK/BOST 1KVA 240X480 120/240	CONTROL BOX
	>>>INVERTER BRAKING UNIT				
INVD1-H	BRAKING UNIT-6836F5/NW 380-480VOLTS	W6F3WSVP	09MVB25HC	BRAKE MODULE-OPEN CHASSIS	CONTROL BOX
INVD1-L	BRAKING UNIT-6836F5/NW 200-240VOLTS	W6F3WSVP	09MVB25LC	BRAKEMODULE OPEN CHASIS INVERT	CONTROL BOX
KB	>>>KEYBOARD-ELECTRONIC				
KBM	KEYPAD-MICROPROCESSOR	W6F3WSKP	08ND5X6WE	KEYPAD:5X6MATRIX WASHER-EXT	SWITCH PANEL
MT	>>>MOTORS				
MTD	MOTOR-DRIVE	W6F3WSS+	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE
MTD	MOTOR-DRIVE	W6F3WSS+A	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE
MTD	MOTOR-DRIVE	W6F3WSS+C	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE
MTD	MOTOR-DRIVE	W6F3WSS+D	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE
MTD	MOTOR-DRIVE	W6F3WSS+E	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE
MTD	MOTOR-DRIVE	W6F3WSVP	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE
MTDO	MOTOR-HYDRAULIC PUMP DOOR OPEN	W6F3WSHD	MESSAGE SO	SEE SPECIFIC COMPONENT+NAMEPLATE	MACHINE
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+A	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+C	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+D	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+E	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+F	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+FF	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTLF	FILTER-INVERTER/MOTOR POWER	W6F3WSS+G	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+	13AF100A71	FAN 92CFM230V60 NEWARK #90F6926	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+1	13AF100A71	FAN 92CFM230V60 NEWARK #90F6926	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+2	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+3	13AF100A71	FAN 92CFM230V60 NEWARK #90F6926	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+4	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+5	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+A	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+C	13AF100A71	FAN 92CFM230V60 NEWARK #90F6926	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+D	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+E	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX

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MTVS	FAN-INVERTOR COOLING	W6F3WSS+H	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+FF	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MTVS	FAN-INVERTOR COOLING	W6F3WSS+G	13AF235A71	FAN 235CFM 230V 50/60	BACK C-BOX
MV	>>> MOTOR POWER INVERTERS				
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+1	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+2	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+3	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+A	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+C	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+D	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSS+E	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/DBR	RESISTOR-DYNAMIC BRAKE	W6F3WSVP	09MV100RES	RESIST 100 OHM 225WATT ADJ	BELOW C-BX
MV/INV-H	INVERTER-3022F8P/W 380-460 V (GPD333)	W6F3WSS+	09MV050D96	VARSPEED-TRANS+R 5HP 380-460V	CONTROL BOX
MV/INV-H	INVERTER-3022J8P 380-460 V (GPD333)	W6F3WSS+1	09MV050D96	VARSPEED-TRANS+R 5HP 380-460V	CONTROL BOX
MV/INV-H	INVERTER-4232J7P 380-460 VOLTS	W6F3WSS+2	09MV021A96	VARSPEED 21 AMPS 460V	CONTROL BOX
MV/INV-H	INVERTER-3630J8P 380-460 VOLTS	W6F3WSS+3	09MV018F96	VARSPEED 460V 10HP 18A GPD315	CONTROL BOX
MV/INV-H	INVERTER-4232J7P 380-460 VOLTS	W6F3WSS+4	09MV021A96	VARSPEED 21 AMPS 460V	CONTROL BOX
MV/INV-H	INVERTER-3022J8P 380-460 V (GPD315)	W6F3WSS+5	09MV050F96	VARSPEED V MACHINES 5HP 460V	CONTROL BOX
MV/INV-H	INVERTER-4232F7P/W 380-460 VOLTS	W6F3WSS+A	09MV021A96	VARSPEED 21 AMPS 460V	CONTROL BOX
MV/INV-H	INVERTER-3630F8P/W 380-460 VOLTS	W6F3WSS+C	09MV018F96	VARSPEED 460V 10HP 18A GPD315	CONTROL BOX
MV/INV-H	INVERTER-3022F8P/W 380-460 V (GPD315)	W6F3WSS+E	09MV050F96	VARSPEED V MACHINES 5HP 460V	CONTROL BOX
MV/INV-H	INVERTER-4840F7N/W 380-460 VOLTS	W6F3WSVP	09MMA03996	INVERTER 39AMPS 480V F7	CONTROL BOX
MV/INV-H	INVERTER-6836F5N/W 380-460 VOLTS	W6F3WSVP	09MV075A96	F7 INVERTER 75 AMP	CONTROL BOX
MV/INV-L	INVERTER-3022F8P/W 200-240V (GPD333)	W6F3WSS+	09MV050D74	VARSPEED-TRANS+R 5HP 200-230V	CONTROL BOX
MV/INV-L	INVERTER-3022J8P 200-240V (GPD333)	W6F3WSS+1	09MV050D74	VARSPEED-TRANS+R 5HP 200-230V	CONTROL BOX
MV/INV-L	INVERTER-4232J7P 200-240VOLTS	W6F3WSS+2	09MMA04574	F7 INVERTER 45 AMP	CONTROL BOX
MV/INV-L	INVERTER-3630J8P 200-240VOLTS	W6F3WSS+3	09MV036A74	VARSPEED 36 AMPS 230V	CONTROL BOX
MV/INV-L	INVERTER-4232J7P 200-240VOLTS	W6F3WSS+4	09MMA04574	F7 INVERTER 45 AMP	CONTROL BOX
MV/INV-L	INVERTER-3022J8P 200-240V (GPD315)	W6F3WSS+5	09MV050F74	VARSPEED V MACHINES 5HP 230V	CONTROL BOX
MV/INV-L	INVERTER-4232F7P/W 200-240VOLTS	W6F3WSS+A	09MMA04574	F7 INVERTER 45 AMP	CONTROL BOX
MV/INV-L	INVERTER-3630F8P/W 200-240VOLTS	W6F3WSS+C	09MV036A74	VARSPEED 36 AMPS 230V	CONTROL BOX
MV/INV-L	INVERTER-4232 F7P/W 200-240VOLTS	W6F3WSS+D	09MT042A74	BALDOR INVERTER 42AMP 230V	CONTROL BOX

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MV/INV-L	INVERTER-3022F8P/W 200-240V (GPD315)	W6F3WSS+E	09MV050F74	09MV050F74	VARISPEED V MACHINES 5HP 230V	CONTROL BOX
MV/INV-L	INVERTER-4840F7N/W 200-240VOLTS	W6F3WSVP	09MWA07174	09MWA07174	F7 INVERTER 71AMP	CONTROL BOX
MV/INV-L	INVERTER-6836F5N/W 200-240VOLTS	W6F3WSVP	09MWA14574	09MWA14574	F7 INVERTER 145 AMPS	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+1	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+2	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+3	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+4	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+5	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+A	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+C	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSS+E	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
MVFLT	INV FILTER-DRIVE	W6F3WSVP	09MVFLTR1	09MVFLTR1	INCOME POWER FILTER CAP	CONTROL BOX
PXDO	PROX SW-DOOR FULL OPEN	W6F3WSRHA	09RPS18CAS	09RPS18CAS	PRXSW QKCO 18M NO-AC SHLD	SHELL FRONT
PXFDL	PROX SW-FRONT DOWN LEFT	W6F3WSRH	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFDL	PROX SW-FRONT DOWN LEFT	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFDL	PROX SW-FRONT DOWN LEFT	W6F3WSRHF	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFDR	PROX SW-FRONT DOWN RIGHT	W6F3WSRH	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFDR	PROX SW-FRONT DOWN RIGHT	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFDR	PROX SW-FRONT DOWN RIGHT	W6F3WSRHF	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFLL	PROX SW-FRONT LEFT LOCKED	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	BASE OF MACH
PXFLL	PROX SW-FRONT LEFT LOCKED	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFRL	PROX SW-FRONT RIGHT LOCKED	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	BASE OF MACH
PXFRL	PROX SW-FRONT RIGHT LOCKED	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXFU	PROX SW-FRONT FULL UP	W6F3WSRHF	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXRDL	PROX SW-REAR DOWN LEFT	W6F3WSRH	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXRDL	PROX SW-REAR DOWN LEFT	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXRDL	PROX SW-REAR DOWN LEFT	W6F3WSRHF	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXRDR	PROX SW-REAR DOWN RIGHT	W6F3WSRH	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXRDR	PROX SW-REAR DOWN RIGHT	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXRDR	PROX SW-REAR DOWN RIGHT	W6F3WSRHF	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
PXRLL	PROX SW-REAR LEFT LOCKED	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	BASE OF MACH
PXRLL	PROX SW-REAR LEFT LOCKED	W6F3WSRHA	09RPS12AAS	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH

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PXRR	PROX SW-REAR RIGHT LOCKED	W6F3WSRHA	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	BASE OF MACH
PXRR	PROX SW-REAR RIGHT LOCKED	W6F3WSRHA	09RPS12AAS	PROXSW QD CONN 12M NO-AC SHLD	SIDE OF MACH
SH	>>> SWITCH-HAND OPERATED				
SH01	SWITCH-208-240V SELECT	W6F3WSLV	09N050	TOGSW SPDT NO OFF 10A250V	CONTROL BOX
SHD	SWITCH-ALTERNATE DRAIN	W6F3WSDR	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE101	ALT DRAIN BX
SHDO	SWITCH-DOOR FULL OPEN	W6F3WSRH	09N405PB11	SWASS PBBK 1NO/1NC	SWITCH PANEL
SHDO	SWITCH-DOOR FULL OPEN	W6F3WSRHA	09N405PB11	SWASS PBBK 1NO/1NC	SWITCH PANEL
SHDO	SWITCH-DOOR FULL OPEN	W6F3WSRHF	09N405PB11	SWASS PBBK 1NO/1NC	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+1	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+2	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+3	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+4	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+5	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+A	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+C	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+D	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+E	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+FF	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOH	SWITCH-DOOR OPEN	W6F3WSS+G	09N405S320	SWASS S3W 2NO	SWITCH PANEL
SHDOJ	SWITCH-DOOR OPEN JOG (68F5N ONLY)	W6F3WSHD	09N405PB10	SWASS PBBK 1NO	SWITCH PANEL
SHFR	SWITCH-FRONT/REAR SELECTOR	W6F3WSRH	09N405M211	SWASS M2W 1NO+1NC	SWITCH PANEL
SHFR	SWITCH-FRONT/REAR SELECTOR	W6F3WSRHA	09N405M211	SWASS M2W 1NO+1NC	SWITCH PANEL
SHFR	SWITCH-FRONT/REAR SELECTOR	W6F3WSRHF	09N405M211	SWASS M2W 1NO+1NC	SWITCH PANEL
SHMD	SWITCH-MILDATA LOCAL/REMOTE	W6F3WSEVA	09N405M210	SWASS M2W 1NO	PROCESSOR BX
SHS+	SWITCH-START	W6F3WSS+	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+1	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+2	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+3	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+4	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+5	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+A	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL

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SHS+	SWITCH-START	W6F3WSS+C	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+D	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+E	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+F	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+FF	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHS+	SWITCH-START	W6F3WSS+G	09N405PG10	SWASS PBGN 1NO	SWITCH PANEL
SHSAD	SWITCH-SAMPLE DESIRED	W6F3WSDS	09N400CBNO	CONTACT BLK ONLY 1-NO SQD#ZB2BE 101	SAMPLE SWPL
SHSAR	SWITCH--SAMPLE DOOR RESET	W6F3WSDS	09N400CBNC	CONTACT BLKONLY 1-NC SQD#ZB2BE102	SAMPLE SWPL
SHSG	SWITCH-SIGNAL CANCEL	W6F3WS1A	09N405PY10	SWASS PB YELLOW INO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+1	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+2	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+3	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+4	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+5	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+A	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+C	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+D	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+E	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+F	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+FF	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6F3WSS+G	09N405M210	SWASS M2W 1NO	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+1	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+2	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+3	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+4	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+5	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+A	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+C	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+D	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+E	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+F	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL

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SHSO	SWITCH-STOP	W6F3WSS+FF	W6F3WSS+1	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSO	SWITCH-STOP	W6F3WSS+G	W6F3WSS+2	09N405PR01	SWASS PBRD 1NC	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+	W6F3WSS+3	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+1	W6F3WSS+4	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+2	W6F3WSS+5	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+3	W6F3WSS+A	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+4	W6F3WSS+C	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+5	W6F3WSS+D	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+A	W6F3WSS+E	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+C	W6F3WSS+F	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHSOE	SWITCH-EMERGENCY STOP	W6F3WSS+D	W6F3WSS+FF	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHU	SWITCH-UP/DOWN	W6F3WSS+G	W6F3WSS+G	09N505	SW ASSY EMER STOP	SWITCH PANEL
SHU	SWITCH-UP/DOWN	W6F3WSRH	W6F3WSRH	09N405S333	SWASS S3W 3NO+3NC	SWITCH PANEL
SHU	SWITCH-UP/DOWN	W6F3WSRHA	W6F3WSRHA	09N405S333	SWASS S3W 3NO+3NC	SWITCH PANEL
SHWJ	SWITCH-JOG	W6F3WSRHF	W6F3WSRHF	09N405S333	SWASS S3W 3NO+3NC	SWITCH PANEL
SK	>>>SWITCH-KEYLOCK	W6F3WSVP	W6F3WSVP	09N405S310	SWASS S3W 1NO	SWITCH PANEL
SKPR	SWITCH-RUN/PROGRAM (KEY OP)	W6F3WS1A	W6F3WS1A	09N127C	KEYSW SPST 7A120VAC SCREW TERM	SWITCH PANEL
SM	>>>SWITCH-MECHANICAL OPERATED					
SMDE	SWITCH-SECONDARY DOOR CLOSED	W6F3WSS+2	W6F3WSS+2	09RM01212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMDE	SWITCH-SECONDARY DOOR CLOSED	W6F3WSS+4	W6F3WSS+4	09RM01212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMDE	SWITCH-SECONDARY DOOR CLOSED	W6F3WSS+A	W6F3WSS+A	09RM01212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMDE	SWITCH-SECONDARY DOOR CLOSED	W6F3WSS+D	W6F3WSS+D	09RM01212S	CAPSW 12' 180DEG ROLLER SILVER	SHELL FRONT
SMDO	SWITCH-DOOR FULL OPEN	W6FEWSRH	W6FEWSRH	08R008A	MICSW SPDT BZE6-2RN183	SHELL FRONT
SMEB	SWITCH-EXCURSION	W6F3WS1A	W6F3WS1A	09R008A	MICSW SPDT BZE6-2RN183	UNDER SHELL
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+	W6F3WSS+	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+1	W6F3WSS+1	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+2	W6F3WSS+2	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+3	W6F3WSS+3	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+4	W6F3WSS+4	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH

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SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+5	W6F3WSS+A	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+A	W6F3WSS+C	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+C	W6F3WSS+D	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+D	W6F3WSS+E	09R012	MICSW SPDT PAINTED BZE6-RN 01	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+E	W6F3WSS+F	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+F	W6F3WSS+G	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMPLL	SWITCH-DOOR CLOSED	W6F3WSS+G	W6F3WSS+H	09R014A	MINI-SW SPDT STAKON #V15G1C26	DOOR LATCH
SMSDC	SWITCH-SAMPLE DOOR	W6F3WSS+H	W6F3WSS+I	09R012	CAPSW 12' 180DEG ROLLER SILVER	SAMPLE DOOR
SMWVB	SWITCH-VIBRATION	W6F3WSS+I	W6F3WSS+J	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+J	W6F3WSS+K	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+K	W6F3WSS+L	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+L	W6F3WSS+M	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+M	W6F3WSS+N	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+N	W6F3WSS+O	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+O	W6F3WSS+P	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+P	W6F3WSS+Q	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+Q	W6F3WSS+R	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+R	W6F3WSS+S	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+S	W6F3WSS+T	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+T	W6F3WSS+U	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+U	W6F3WSS+V	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+V	W6F3WSS+W	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+W	W6F3WSS+X	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SMWVB	SWITCH-VIBRATION	W6F3WSS+X	W6F3WSS+Y	09R020	SWITCH NC VIBR#WZ-2RW84429-P52	CONTROL BOX
SP	>>>SWITCH-PRESSURE OPERATED					
SPBK	PRESSURE SW-BRAKE	W6F3WSS+1	W6F3WS1A	09N082A	PRESSW NASON CLOSE @ 62 LB.	AIR VALVE BX
SPBP	PRESSURE SW-BEARING SEAL	W6F3WS1A	W6F3WSS+	09N082B05	PRESSW NASON CLOSE @ 5 LB	AIR VALVE BX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+	W6F3WSS+1	09N086A	PRESS SWITCH EATON #738-761	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+1	W6F3WSS+2	09N086A	PRESS SWITCH EATON #738-761	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+2	W6F3WSS+3	09N086A	PRESS SWITCH EATON #738-761	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+3	W6F3WSS+4	09N086A	PRESS SWITCH EATON #738-761	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+4	W6F3WSS+5	09N086A	PRESS SWITCH EATON #738-761	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+5	W6F3WSS+A	09N086A	PRESS SWITCH EATON #738-761	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+A	W6F3WSS+C	09N086A	PRESS SWITCH EATON #738-761	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+C				

COMPONENT PARTS LIST

W6F3WSPL/2008055N

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND THIS COMPONENT</u>		<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+D	09N086A	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	CONTROL BOX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+H	09N086A	96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	AIR VALVE BX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+H	09N086A	96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	AIR VALVE BX
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+H	09N086A	96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+H	09N086A	96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+H	09N086A	96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
SPD	PRESSURE SW-LEVEL OK TO OPEN DOOR	W6F3WSS+H	09N086A	96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
VE	>>>VALVE-ELECTRIC OPERATED	W6F3WSS+G	09N086A	96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
VEAD	VALVE-ALTERNATE DRAIN	W6F3WSDR		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	ALT DRAIN BX
VEBP	VALVE-BEARING PRESSURE	W6F3WSEV		96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	AIR VALVE BX
VEBP	VALVE-BEARING PRESSURE	W6F3WSEVA		96TBC2BA71	1/4" N/C 2WAY 220V50/60C VALVE	AIR VALVE BX
VEC01	VALVE-CHEMICAL #1 FLUSH	W6F3WSCF		96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
VEC02	VALVE-CHEMICAL #2 FLUSH	W6F3WSCF		96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
VEC03	VALVE-CHEMICAL #3 FLUSH	W6F3WSCF		96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
VEC04	VALVE-CHEMICAL #4 FLUSH	W6F3WSCF		96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
VEC05	VALVE-CHEMICAL #5 FLUSH	W6F3WSCF		96P013G71	3/4" 2WAYPLASTCVAL 240V/60C	SUPPLY INJEC
VEC06	VALVE-CHEMICAL #6	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC07	VALVE-CHEMICAL #7	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC08	VALVE-CHEMICAL #8	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC09	VALVE-CHEMICAL #9	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC10	VALVE-CHEMICAL #10	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC11	VALVE-CHEMICAL #11	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC12	VALVE-CHEMICAL #12	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC13	VALVE-CHEMICAL #13	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC14	VALVE-CHEMICAL #14	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VEC15	VALVE-CHEMICAL #15	W6F3WSCX		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	SUPPLY VLVST
VED	VALVE-DOWN	W6F3WSRH		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VED	VALVE-DOWN	W6F3WSRHA		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VED	VALVE-DOWN	W6F3WSRHF		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEDL	VALVE-DOOR UNLATCH	W6F3WSS+H		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEDL	VALVE-DOOR UNLATCH	W6F3WSS+H		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEDL	VALVE-DOOR UNLATCH	W6F3WSS+G		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEDRR	VALVE-REUSE DRAIN	W6F3WSEV		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEDRR	VALVE-REUSE DRAIN	W6F3WSEVA		96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEDRS	VALVE-DRAIN	W6F3WSEV		96D350A71	DRINVAL 3" MTRDR 240V 50/60C	REAR OF MACH

COMPONENT PARTS LIST

W6F3WSPL/2008055N

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND</u>		<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
		<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
VEDRS	VALVE-DRAIN	W6F3WSEVA	W6F3WSEV	96D350A71	DRINVAL 3"MITRDR 240V 50/60C	REAR OF MACH
VEF	VALVE-FRONT	W6F3WSRH	W6F3WSRH	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEF	VALVE-FRONT	W6F3WSRHA	W6F3WSRHA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEF	VALVE-FRONT	W6F3WSRHF	W6F3WSRHF	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEFL	VALVE-FLUSH	W6F3WSCF	W6F3WSCF	96P013G71	3/4" 2WAYPLASTCVL 240V/60C	SUPPLY INJEC
VEHDC	VALVE-HYDRAULIC DOOR CLOSED	W6F3WSHD	W6F3WSHD	96RHT05E37	VALVE-HYD.VICKERS#DG4S4W012CB60	MACHINE REAR
VEHDO	VALVE-HYDRAULIC DOOR OPEN	W6F3WSHD	W6F3WSHD	96RHT05E37	VALVE-HYD.VICKERS#DG4S4W012CB60	MACHINE REAR
VEMTM	VALVE-MACHINE TO MACHINE	W6F3WSEV	W6F3WSEV	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEMTM	VALVE-MACHINE TO MACHINE	W6F3WSEVA	W6F3WSEVA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEMTT	VALVE-MACHINE TO TANK	W6F3WSEV	W6F3WSEV	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEMTT	VALVE-MACHINE TO TANK	W6F3WSEVA	W6F3WSEVA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6F3WSS+2	W6F3WSS+2	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6F3WSS+4	W6F3WSS+4	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6F3WSS+A	W6F3WSS+A	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEPPO	VALVE-DOOR SEAL	W6F3WSS+H	W6F3WSS+H	96R302A71	1/8" AIRPILOT 3W NO 240V50/60	AIR VALVE BOX
VEPPO	VALVE-DOOR SEAL	W6F3WSS+HF	W6F3WSS+HF	96R302A71	1/8" AIRPILOT 3W NO 240V50/60	AIR VALVE BOX
VEPPO	VALVE-DOOR SEAL	W6F3WSS+G	W6F3WSS+G	96R302A71	1/8" AIRPILOT 3W NO 240V50/60	AIR VALVE BOX
VER	VALVE-REAR	W6F3WSRH	W6F3WSRH	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VER	VALVE-REAR	W6F3WSRHA	W6F3WSRHA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VER	VALVE-REAR	W6F3WSRHF	W6F3WSRHF	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VESDL	VALVE-SAMPLE DOOR LATCH	W6F3WSDS	W6F3WSDS	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VESTM	VALVE-STEAM 30"	W6F3WSEV	W6F3WSEV	96TDC2BA71	1/2" N/C 2WAY 240V50/60C STEAM	INLET PIPE
VESTM	VALVE-STEAM 36", 42", 48" & 68"	W6F3WSEV	W6F3WSEV	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VESTM	VALVE-STEAM 30"	W6F3WSEVA	W6F3WSEVA	96TDC2BA71	1/2" N/C 2WAY 240V50/60C STEAM	INLET PIPE
VESTM	VALVE-STEAM 36", 42", 48" & 68"	W6F3WSEVA	W6F3WSEVA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VETTM	VALVE-TANK TO MACHINE	W6F3WSDS	W6F3WSDS	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEU	VALVE-UP	W6F3WSRH	W6F3WSRH	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEU	VALVE-UP	W6F3WSRHA	W6F3WSRHA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEU	VALVE-UP	W6F3WSRHF	W6F3WSRHF	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEWC	VALVE-COLD WATER 30"	W6F3WSEV	W6F3WSEV	96P016A71	1/2DUOVAL 240VHAYS4-3108-240	REAR OF MACH
VEWC	VALVE-COLD WATER 36", 42", 48" & 68"	W6F3WSEV	W6F3WSEV	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEWC	VALVE-COLD WATER 30"	W6F3WSEVA	W6F3WSEVA	96P016A71	1/2DUOVAL 240VHAYS4-3108-240	REAR OF MACH
VEWC	VALVE-COLD WATER 36", 42", 48" & 68"	W6F3WSEVA	W6F3WSEVA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX

COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT NUMBER</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MILNOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
VEWH	VALVE-HOT WATER 30"	W6F3WSEV	96P016A71	1/2DUOVAL 240VHAYS4-3108-240	REAR OF MACH
VEWH	VALVE-HOT WATER 36", 42", 48", 48" & 68"	W6F3WSEV	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEWH	VALVE-HOT WATER 30"	W6F3WSEVA	96P016A71	1/2DUOVAL 240VHAYS4-3108-240	REAR OF MACH
VEWH	VALVE-HOT WATER 36", 42", 48", 48" & 68"	W6F3WSEVA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEVXX	VALVE-EXTRA WATER 30"	W6F3WSEV	96P053A71	3/4"VAL 240VHAYS#6-21101S-240	REAR OF MACH
VEVXX	VALVE-EXTRA WATER 36", 42", 48", 48" & 68"	W6F3WSEV	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX
VEVXX	VALVE-EXTRA WATER 30"	W6F3WSEVA	96P053A71	3/4"VAL 240VHAYS#6-21101S-240	REAR OF MACH
VEVXX	VALVE-EXTRA WATER 36", 42", 48", 48" & 68"	W6F3WSEVA	96R301A71	1/8" AIRPILOT 3W NC 240V50/60	AIR VALVE BX

PELLERIN MILNOR CORPORATION

LIMITED STANDARD WARRANTY

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

Providing we receive written notification of a warranted defect within 30 days of its discovery, we will – at our option – repair or replace the defective part or parts, FOB our factory. We retain the right to require inspection of the parts claimed defective in our factory prior to repairing or replacing same. We will not be responsible, or in any way liable, for unauthorized repairs or service to our equipment, and this warranty shall be void if the equipment is repaired or altered in any way without MILNOR's written consent.

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

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

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

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

BMP720097
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How to order repair parts

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

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

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

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

Please read this manual

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

PELLERIN MILNOR CORPORATION

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

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

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HOW TO USE MILNOR[®] ELECTRICAL SCHEMATICS

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

The *table of contents/components list shows*, for every component on every schematic in the manual, the *component item number* (explained in detail below), statement of function, parent schematic number, part number, description and electric box location.

The *schematic drawings* use symbols for each electro-mechanical component, and indicate the function of each. Integrated circuits are not shown, but the function of each microprocessor input and output is stated. Certain electrical components not pertinent to circuit logic, such as wire connectors, are not represented on the schematic but are shown in the signal routing table. **Most machines (manuals) require several schematics to describe the complete control system including all available options. However, this means that there are usually some schematics that do not apply to a specific machine.** Each schematic is devoted to circuits with common functions (e.g., microprocessor inputs, motor contactors). Schematics appear in the manual in alphanumeric order.

The *signal routing table* assists in determining wire routing. It identifies each group of conductors in a control system connected with zero resistance. Groups are identified by a two or three character wire number. Each wire belonging to such a group of conductors has that group's wire number printed along the wire insulation. Although there are some exceptions, generally each group of conductors within the entire electrical system for a machine family has its own unique wire number. The signal routing table for the manual lists each wire alphanumerically by wire number and each component/pin number to which *the wire is attached*, including those not shown on the schematics (e.g., wire connectors). Milnor[®] document MST0202BE "HOW TO USE THE SIGNAL ROUTING TABLE" provides more information.

Component Prefix Classifications and Descriptions

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

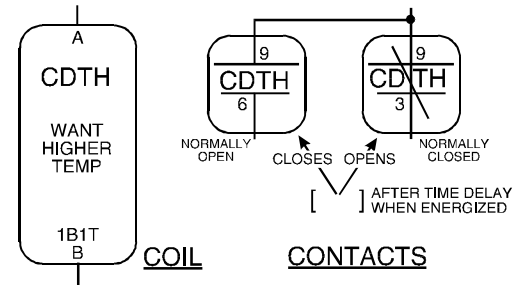
The following are descriptions of the electrical components used in Milnor[®] machines. Descriptions are in alphabetical order of the component class code (two character prefix).

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

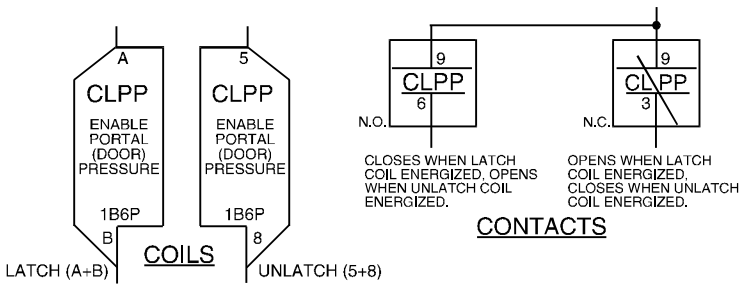
CB=Circuit Breaker Automatic switch that opens an electric circuit in abnormal current conditions (e.g., an overload).



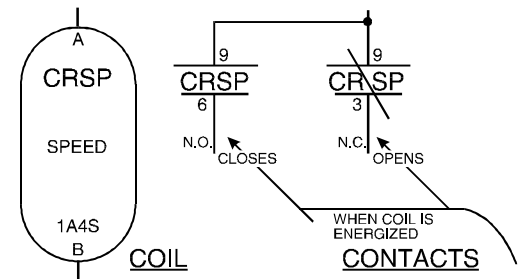
CD=Control, Time Delay Relay A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.



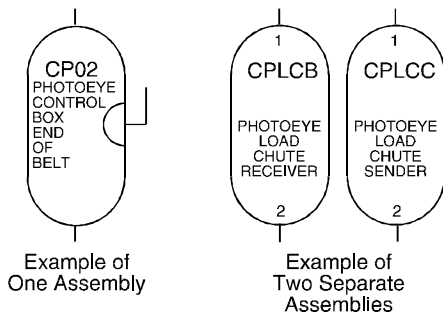
CL=Control, Latch Relay A relay which latches in an energized or set position when operated by one coil (the *latch/set coil*). The relay stays latched, even though coil voltage is removed. The relay releases or unlatches when voltage is applied to a second coil, (the *unlatch/reset coil*).



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

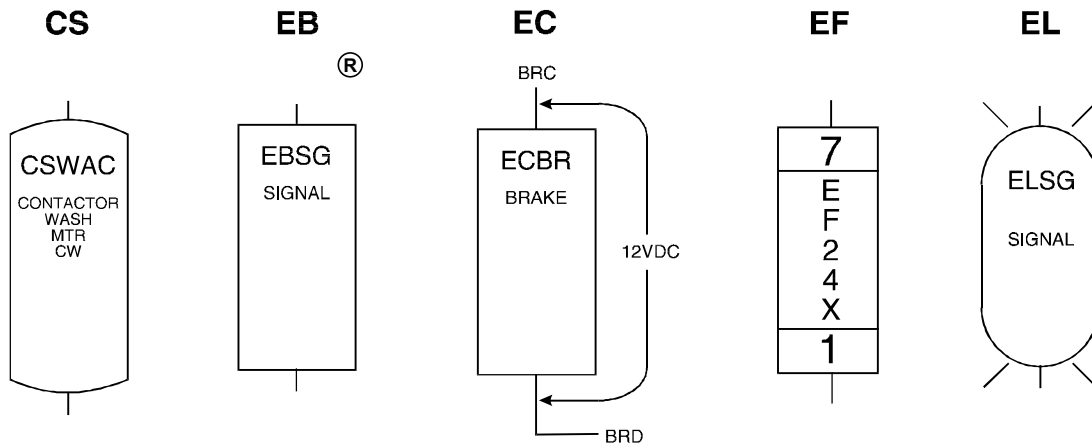


CP=Control, Photo-Eyes Photo-eyes sense the presence of an object without direct physical contact. Photo-eyes consist of a *transmitter, receiver, and output module*. These components may be housed in one assembly with the transmitter bouncing light off of a reflector to the receiver, or these components can be housed in *two separate assemblies* with the transmitter pointed directly at the receiver.



The photo-eye can be set to turn on its output either when the light beam becomes blocked (dark operate) or when it becomes unblocked (light operate).

HOW TO USE MILNOR® ELECTRICAL SCHEMATICS



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

EB=Electric Buzzer An audible signaling device.

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

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

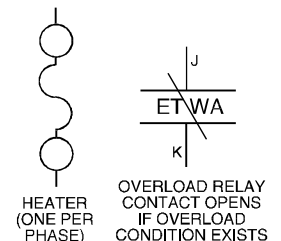
EF=Electric Fuse A fuse is an over-current safety device with a circuit opening fusible member which is heated and severed by the passage of over-current through it.

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

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

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

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



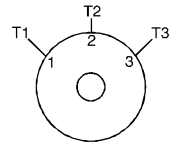
EX=Electrical Transformer A device that transfers electrical energy from one isolated circuit to another, often raising or lowering the voltage in the process.



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

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

MR=Motors Electro-mechanical device that converts electrical energy into mechanical energy.

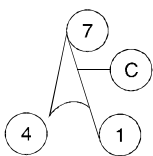
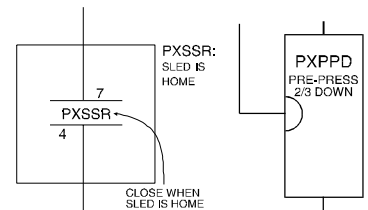


MV=Motor (Variable Speed) Inverter To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained.

The motor variable speed inverter converts three phase AC to DC. The inverter then uses this DC voltage to generate AC at the proper voltage and frequency for the commanded speed.

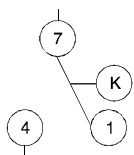
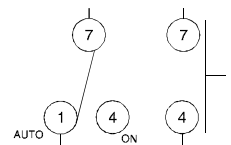
NOTE: Switch symbols used in the schematics and described below always depict the switch in its unactuated state.

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



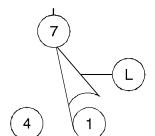
SC=Switch, Cam Operated A switch in which the electrical contacts are opened and/or closed by the mechanical action of a cam(s). Applications include 35-50 pound timer operated machines, autospot, timer reversing motor assembly, and some balancing systems.

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



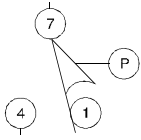
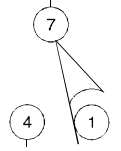
SK=Switch, Key Lock A switch that requires a key to operate. This prevents unauthorized personnel from gaining access to certain functions (e.g., the *Program Menu*).

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



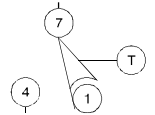
HOW TO USE MILNOR® ELECTRICAL SCHEMATICS

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



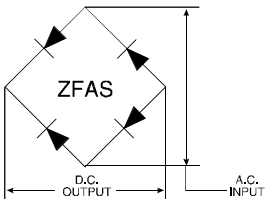
SP=Switch, Pressure Operated A switch consisting of a diaphragm that pushes against a switch actuator.

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



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

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

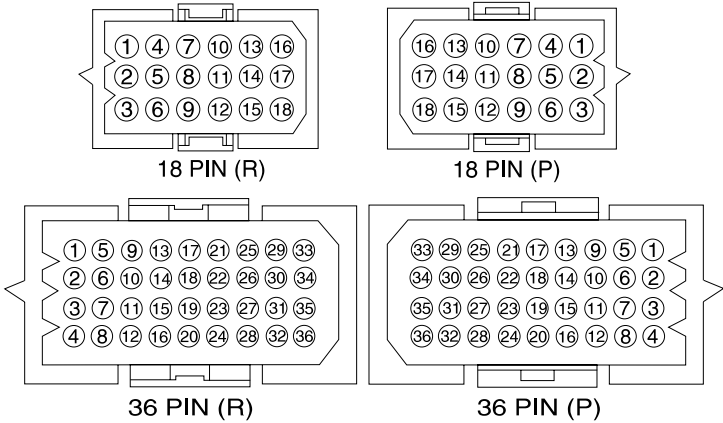
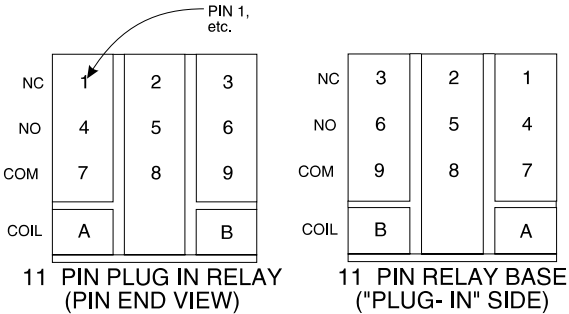


ZF=Rectifier A solid state device that converts alternating current to direct current.

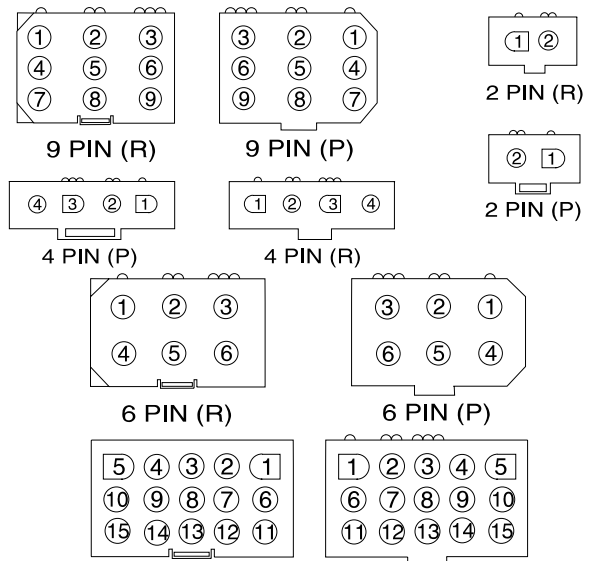
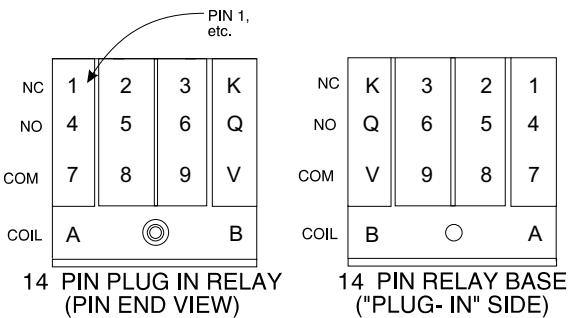
WC=Wiring Connector A coupling device for joining two cables or connecting a cable to an electronic circuit or piece of equipment. Connectors are male or female, according to whether they plug into or receive the mating connector.

Component Terminal Numbering

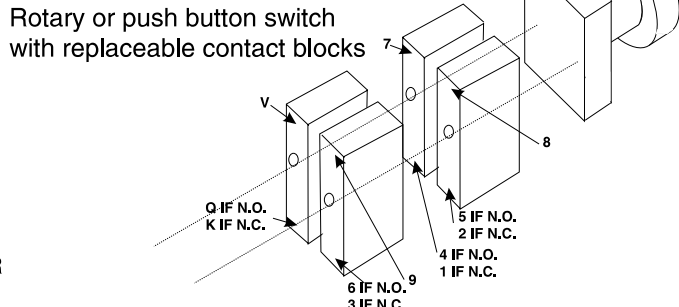
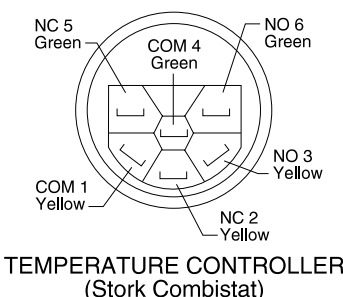
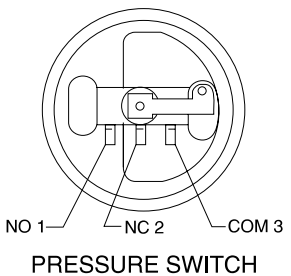
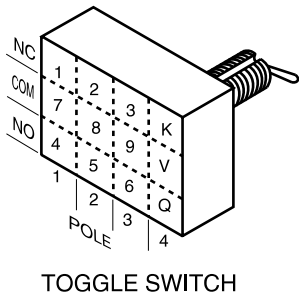
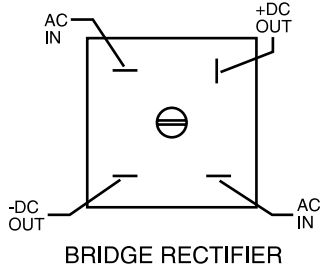
NOTE: Numbers shown usually appear on the component.



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



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



Features of Milnor® Electrical Schematics

Document W6DRYGS+A shown on the next page, is part of an actual schematic for the Milnor^{ae} Gas Dryer. For the purposes of this instruction, the schematic is shown gray and explanations of the items on the schematic are shown black.

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

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

The characters following the first six are unique to each drawing. The two characters identified as the *page number* are an abbreviation for the function performed by the depicted circuitry (S+=three-wire circuit) and establish the order in which the schematic occurs in the manual (schematics are arranged in alpha-numeric order in the manual).

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

- ② Included in the drawing title are the class of control system, the title of this circuit, and the circuit voltage.
- ③ Line numbers are provided along the bottom edge of the drawing. These permit service personnel in the field and at the Milnor^{ae} factory to quickly relate circuit locations when discussing troubleshooting over the phone. Page and line numbers are referenced on the drawing as explained in items five and six below.
- ④ General functions of the circuit or portions thereof are stated across the top edge of the drawing.
- ⑤ Relay contacts show the page and line number on which the relay coil may be found. This is the type of cross referencing most frequently used in troubleshooting.
- ⑥ Relay coils show the page and line number on which its associated contacts are located.
- ⑦ Relay contacts and relay coils show the physical location of the relay if mounted on a tray..

- ⑧ The designation *MTA* applies to electronic circuit board connections. Typically, a control system will contain several different types of circuit boards and one or more boards of each type. A numerical suffix identifies the board type and a numerical prefix identifies which one of several boards of a given type is being depicted. For example, the designation *IMTA5* 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, *IMTA5-9* is pin 9 on this board. The numerical designations for board types vary from one control system to another. Some of the board types commonly encountered on the Mark II washer-extractor control and their designations are as follows:

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

MTA11-MTA16 = 16 output boards

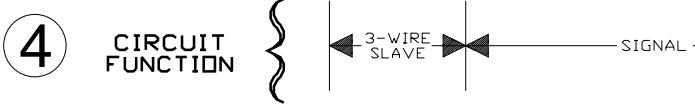
MTA30-MTA40 = processor boards

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

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

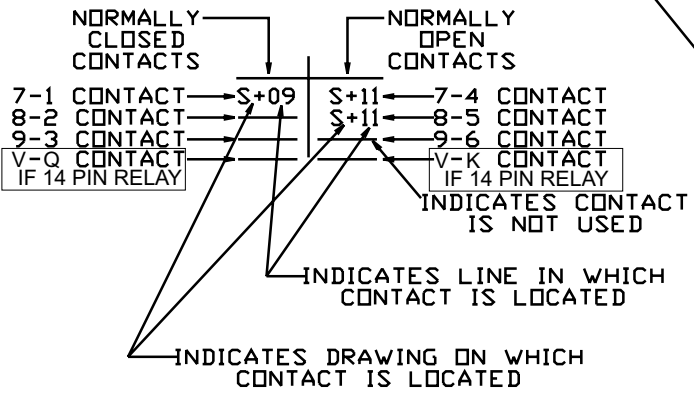
The complete listing of the boards utilized in a given control system can be found in the component list for that system.

- ⑨ The wire numbers, as described in the explanation of the signal routing table at the beginning of this section, are shown at appropriate locations on the schematic drawing.
- ⑩ Where diamond symbols appear at the end of a conductor, these are match points for continuing the schematic on another drawing. The page and line number that continues the circuit is printed adjacent to the diamond symbol. Where more than one match point appears on the referenced page, match diamonds containing corresponding letters.

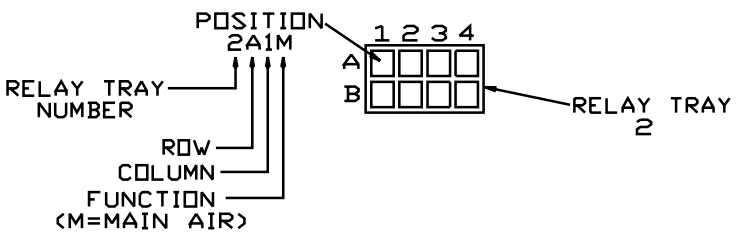


5 THIS INDICATES ON WHICH PAGE (W6DRYGS+) AND LINE NUMBER (08) THE RELAY COIL CAN BE FOUND FOR THIS SET OF CONTACTS.

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



7 IF RELAY IS LOCATED ON A RELAY TRAY THIS IS THE PHYSICAL LOCATION ON THE TRAY. ROW AND COLUMN NUMBERS OR SHOWN ON THE APPROPRIATE CONTROL BOX TAG.



ANY RELAY THAT ENDS WITH A 'M' IS LOCATED ON AN ELECTRONIC BOARD

CLOSES WHEN MICROPROCESSOR DESIRES 3-WIRE SLAVE

CLOSES WHEN MICRO-PROCESSOR DESIRES SIGNAL

TB2S OPENS WHEN SIGNAL DESIRED

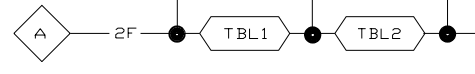
2A1M OPENS WHEN MAIN AIR DESIRED

CLOSES WHEN MAIN AIR DESIRED

SHSK: SPRINKLER

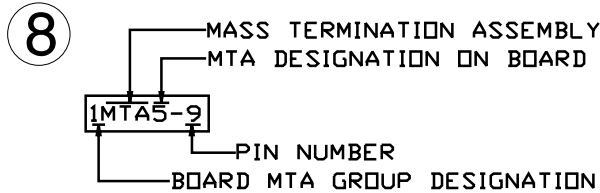
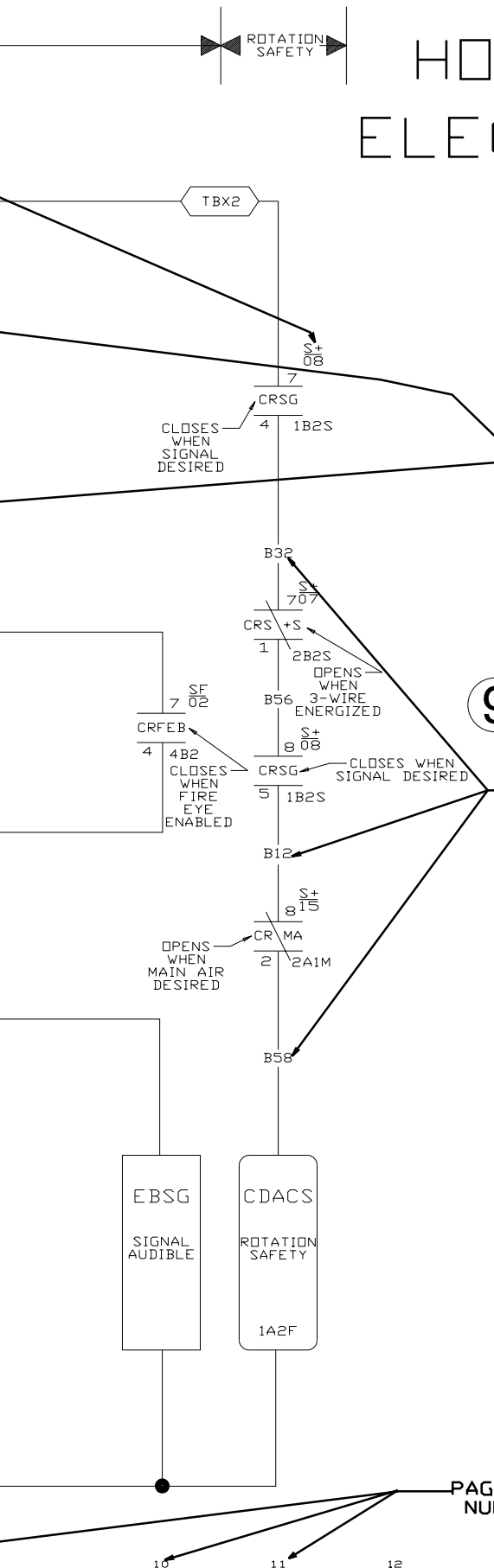
10

SEE W6DRYGSFA LINE 02



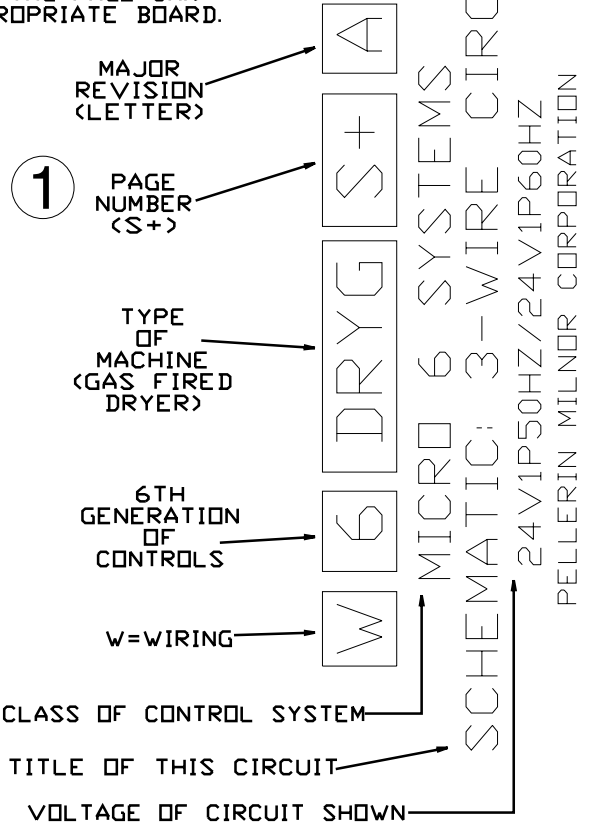
HOW TO READ MILNOR ELECTRICAL SCHEMATICS

W6DRYGS+A
93226D



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

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

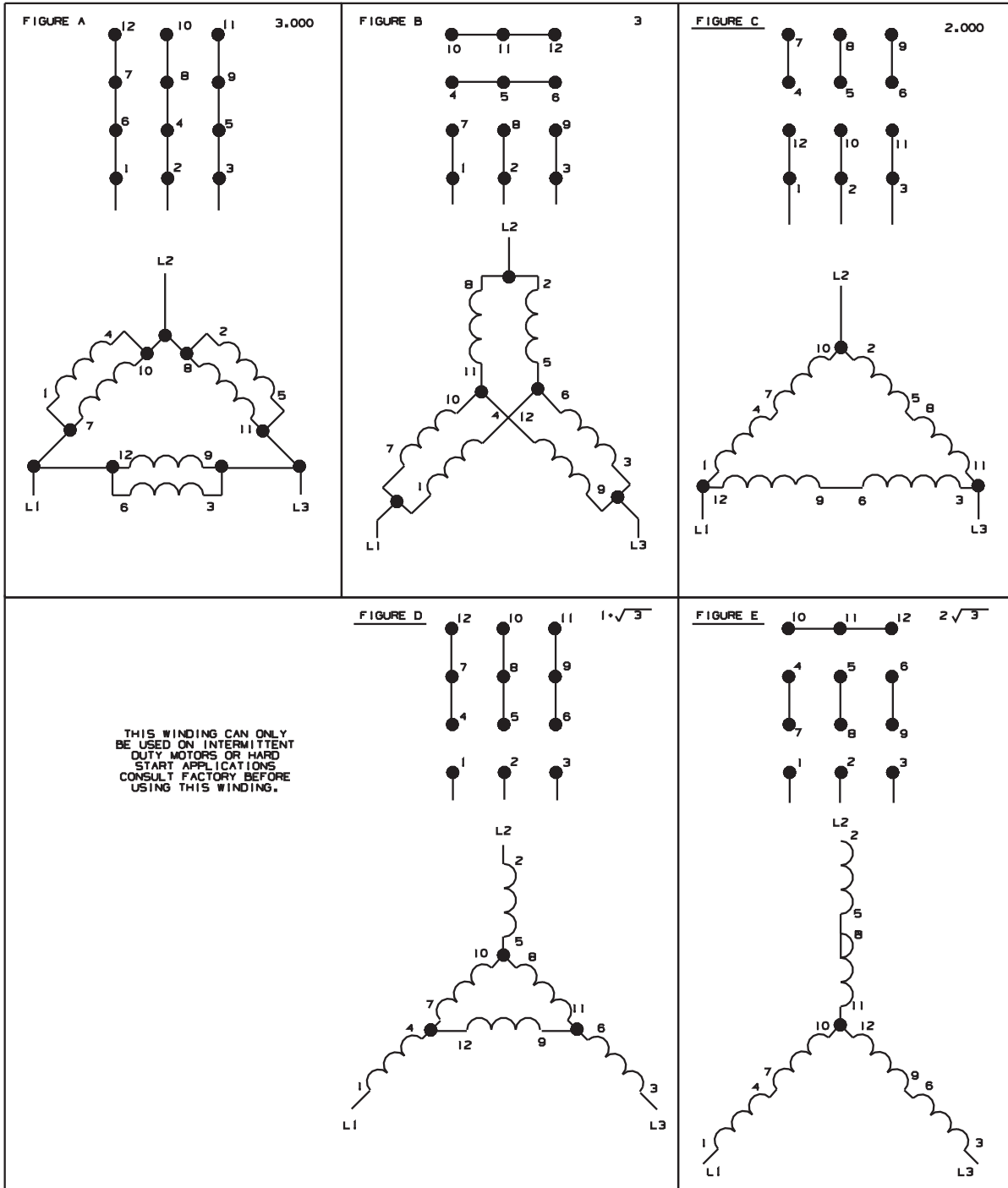


- NOTES:**
1. TBL IS LOCATED IN LEFT CONTROL BOX.
 2. TBA IS LOCATED IN RIGHT CONTROL BOX.
 3. TBX IS LOCATED IN LEFT CONTROL BOX.
 4. 1MTA5 IS LOCATED ON BID1 (8 OUTPUT-16 INPUT BOARD).
 5. REMOVE (J1) IF DRYER HAS VALVE SET SHUT OPTION.

3 PAGE LINE NUMBERS

W6DRYGS+A
93226D

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



06

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17

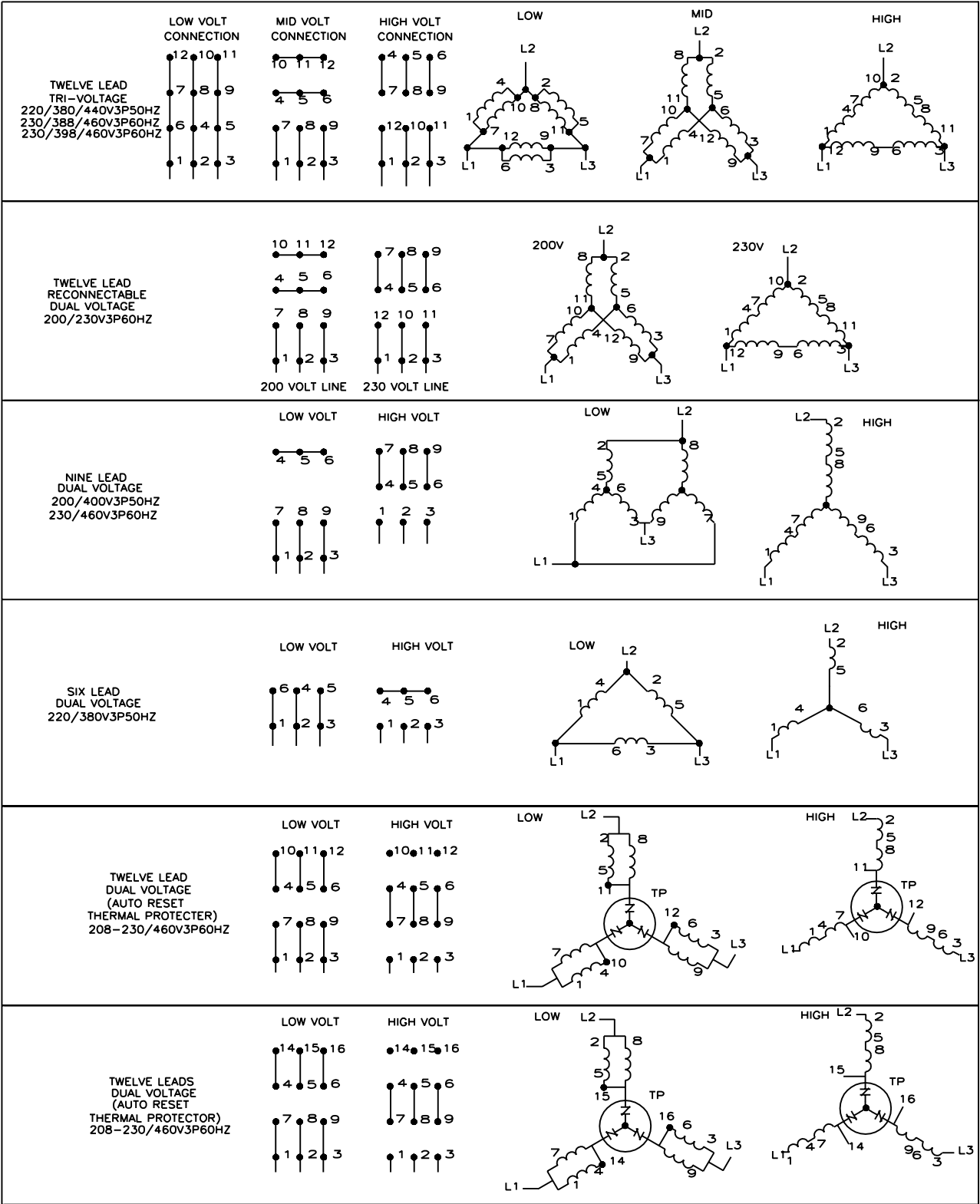
BMP850029

MOTOR CONNECTION DIAGRAMS

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

PELLERIN MILNOR CORPORATION

00
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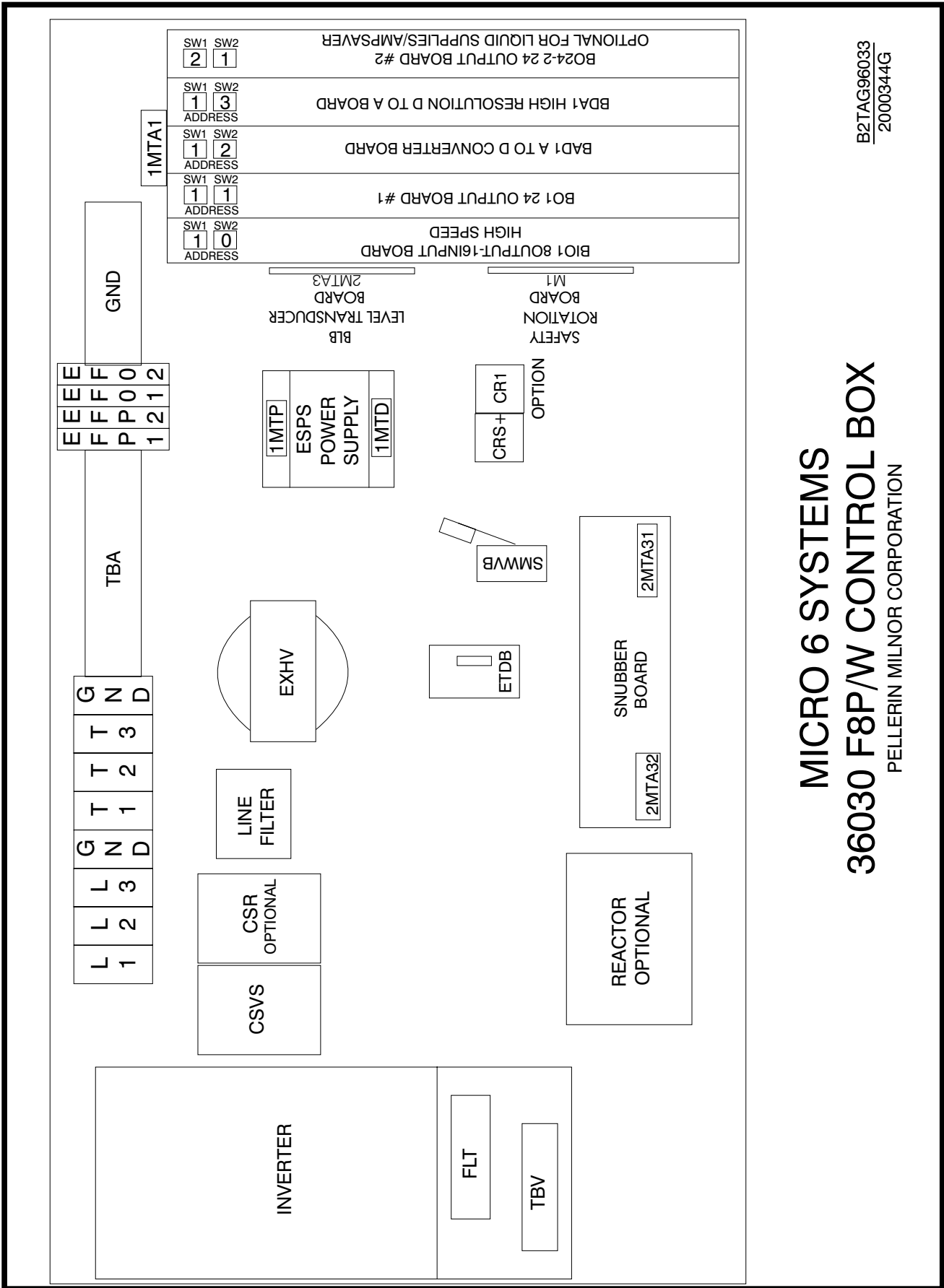


W80008

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

W80008
2001253A

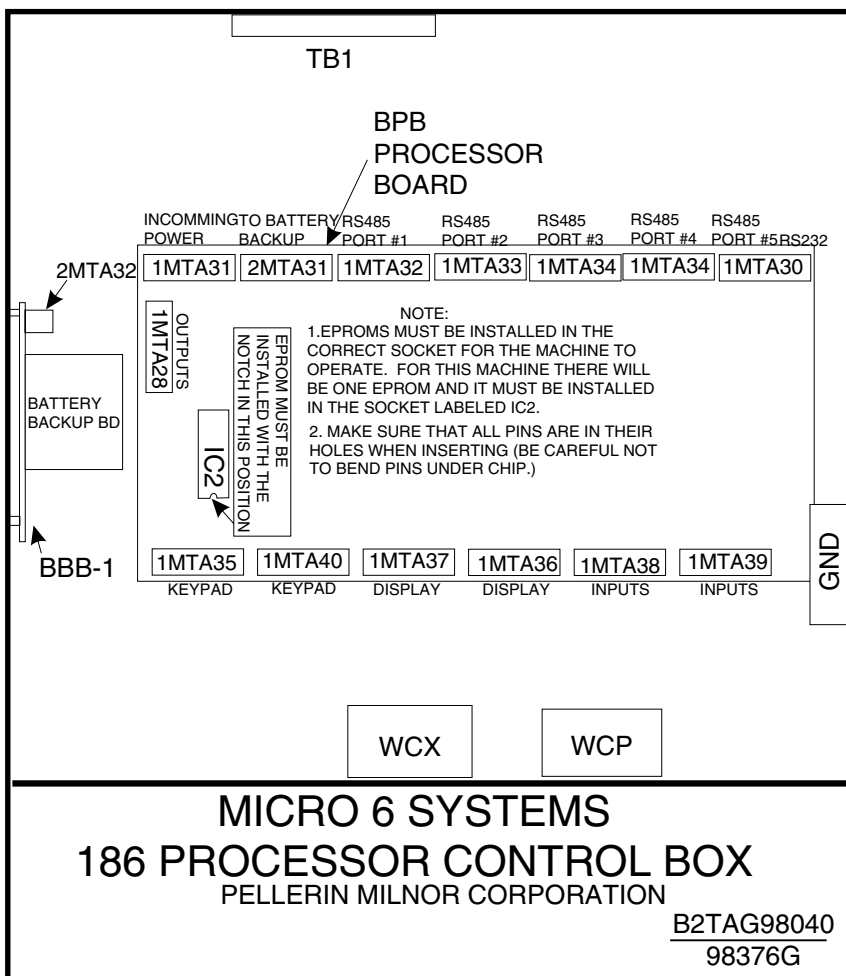
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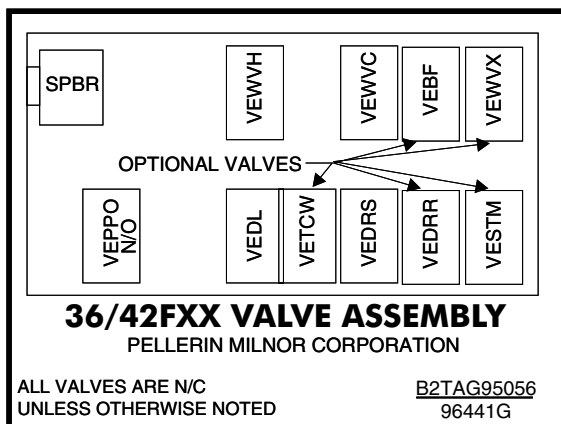
MICRO 6 SYSTEMS 36030 F8P/W CONTROL BOX

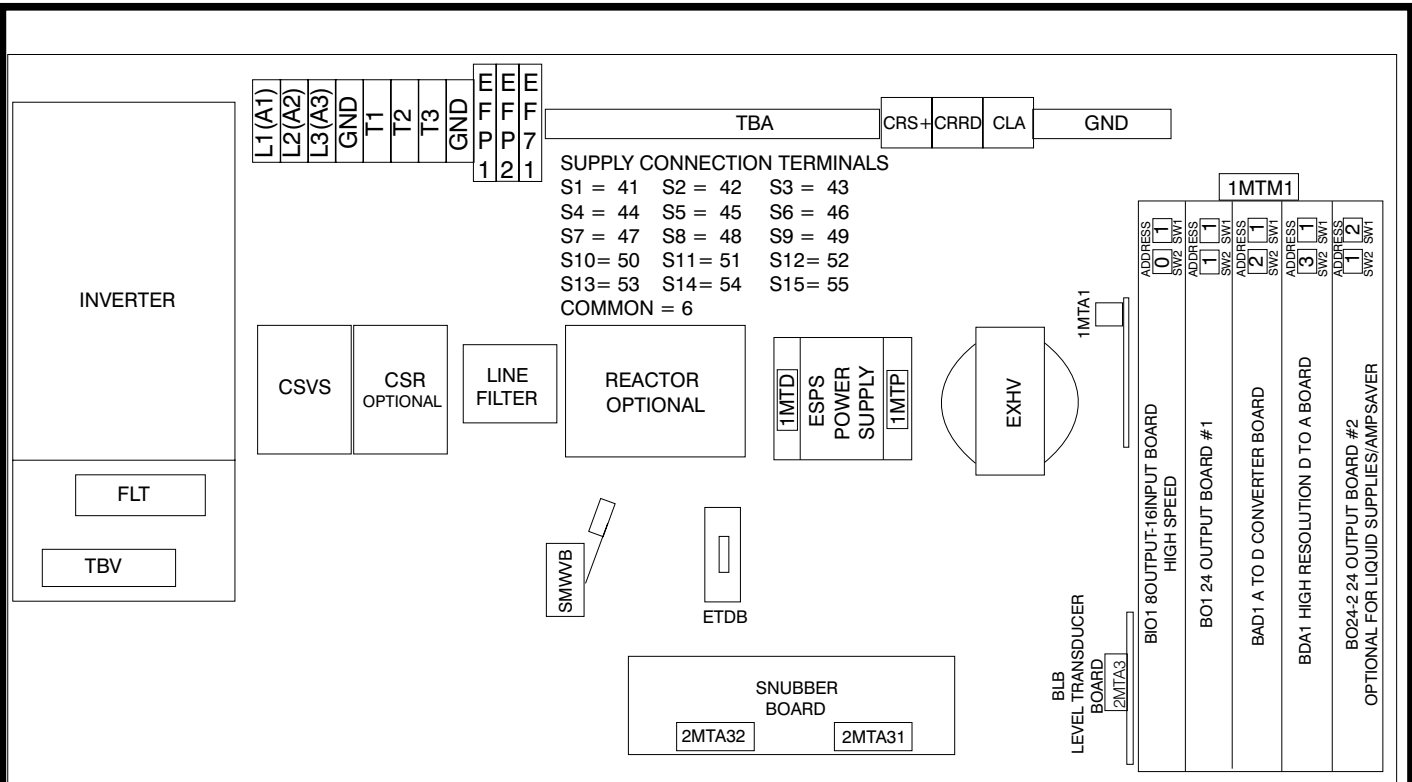
PELLERIN MILNOR CORPORATION

B2TAG96033
2000344G



W6F3WSTG1
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION





MICRO 6 SYSTEMS, MARK V CONTROLS

42032 F7P/W CONTROL BOX

PELLERIN MILNOR CORPORATION

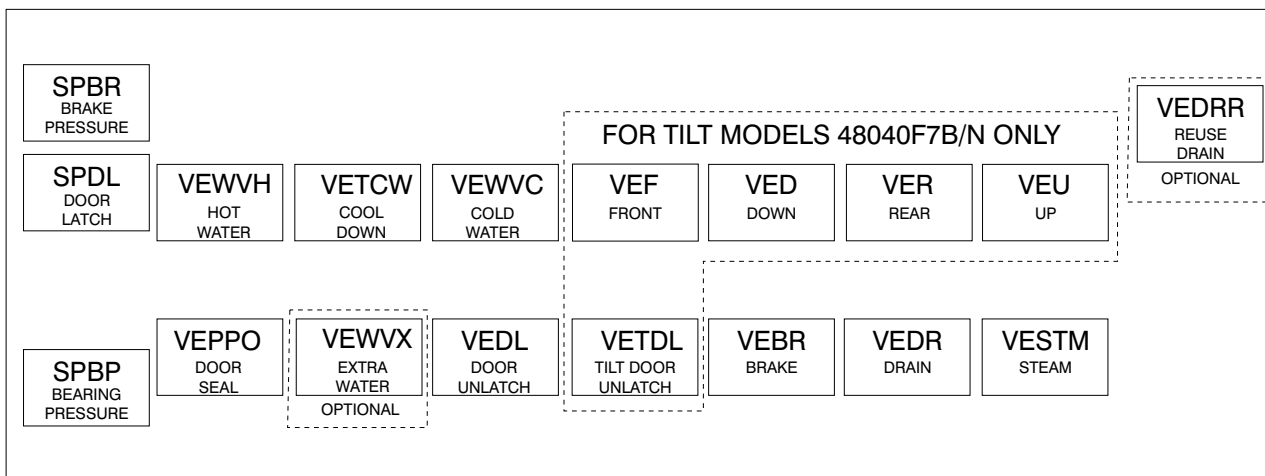
B2TAG97079
97201G

BIO-1	BO24-1	BO24-2(OPTIONAL) LIQUID SUPPLIES	BO24-3(OPTIONAL) 20 PROGRAMMABLE OUTPUTS
INPUTS 0 HI LEVEL REUSE TANK 1 DOOR CLOSED 2 INVERTER FAULT 3 NOT USED 4 NOT USED 5 NOT USED 6 DONT ALLOW CHEM 7 NOT USED 8 AMPSAVER 9 NOT USED 10 NOT USED 11 NOT USED 12 NOT USED 13 NOT USED 14 NOT USED 15 NOT USED OUTPUTS 0 RECIRCULATE PUMP 1 COOLDOWN 2 CHEMICAL FLUSH 3 CHEMICAL #4 4 CHEMICAL #1 5 CHEMICAL #3 6 CHEMICAL #2 7 CHEMICAL #5	OUTPUTS 0 TANK TO MACHINE 1 ACCELERATE/DECELERATE 2 DOOR UNLOCK 3 CLOCKWISE WASH 4 COUNTER CLOCKWISE WASH 5 STEAM 6 SIGNAL 7 3-WIRE ENABLED 8 NOT USED 9 HOT WATER 10 COLD WATER 11 EXTRA WATER 12 DRAIN TO SEWER 13 DRAIN TO REUSE 14 MACHINE TO MACHINE 15 MACHINE TO TANK 16 NOT USED 17 NOT USED 18 NOT USED 19 NOT USED 20 NOT USED 21 NOT USED 22 NOT USED 23 NOT USED	OUTPUTS 0 CHEM #14 1 CHEM #9 2 CHEM #13 3 FLUSH MANIFOLD 4 CHEM #15 5 CHEM #11 6 CHEM SAVE 7 NOT USED 8 CHEM #10 9 AMPSAVER 10 CHEM #6 11 CHEM #7 12 CHEM #8 13 CHEM #12 14 AUTO RECIRCULATION 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	OUTPUTS 0 OUTPUT 0 1 OUTPUT 1 2 OUTPUT 2 3 OUTPUT 3 4 OUTPUT 4 5 OUTPUT 5 6 OUTPUT 6 7 OUTPUT 7 8 OUTPUT 8 9 OUTPUT 9 10 OUTPUT 10 11 OUTPUT 11 12 OUTPUT 12 13 OUTPUT 13 14 OUTPUT 14 15 OUTPUT 15 16 OUTPUT 16 17 OUTPUT 17 18 OUTPUT 18 19 OUTPUT 19 20 NOT USED 21 NOT USED 22 NOT USED 23 NOT USED

MICRO 6 SYSTEMS
F8P/W, F7P/W, X8W, X7W
CONTROL BOARDS INPUTS/OUTPUTS
PELLERIN MILNOR CORPORATION

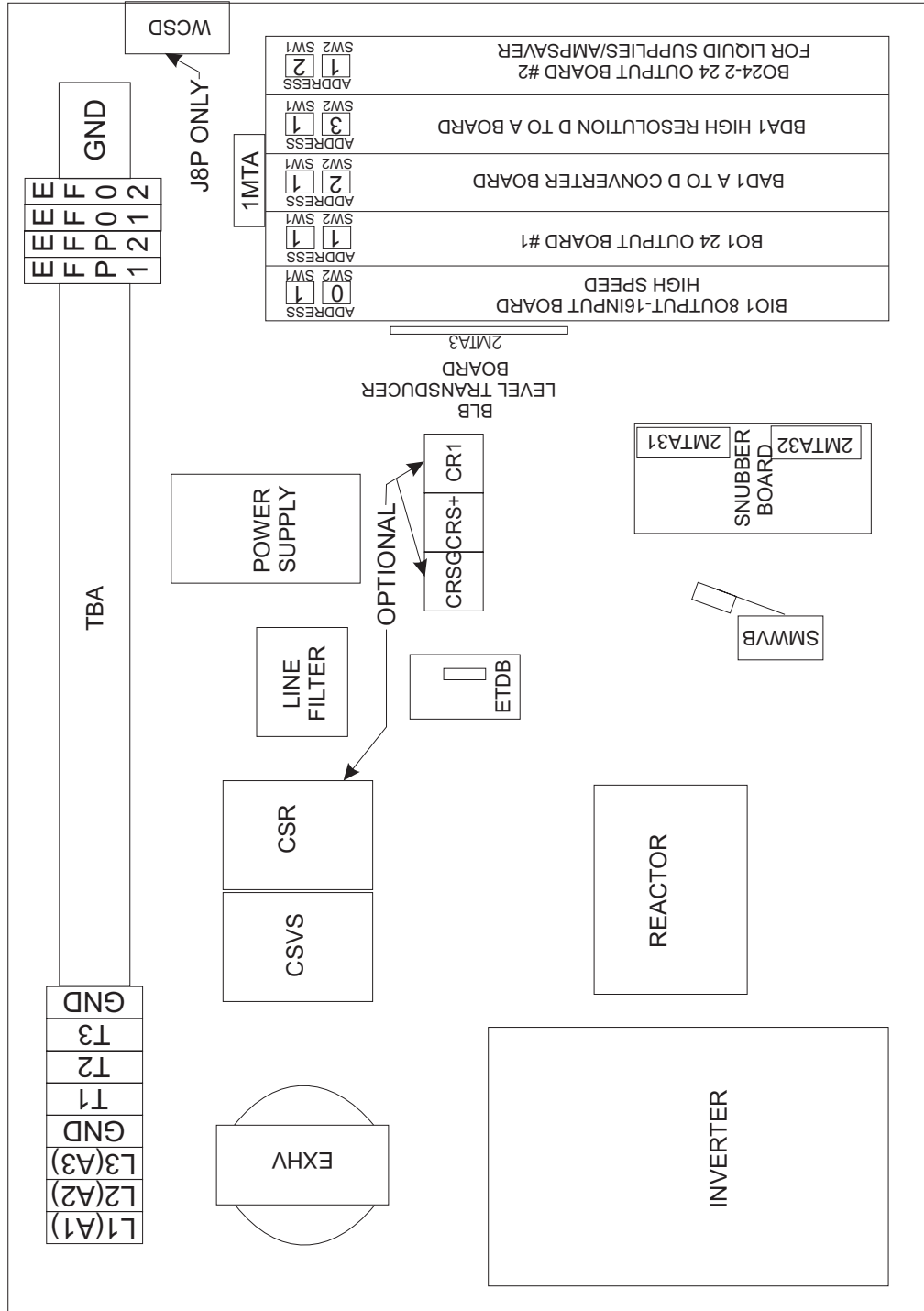
B2TAG96034
2004422G

W6F3WSTG2
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION



AIR VALVE BOX
4840F7J/B, W/N, 6836F#N
PELLERIN MILNOR CORPORATION

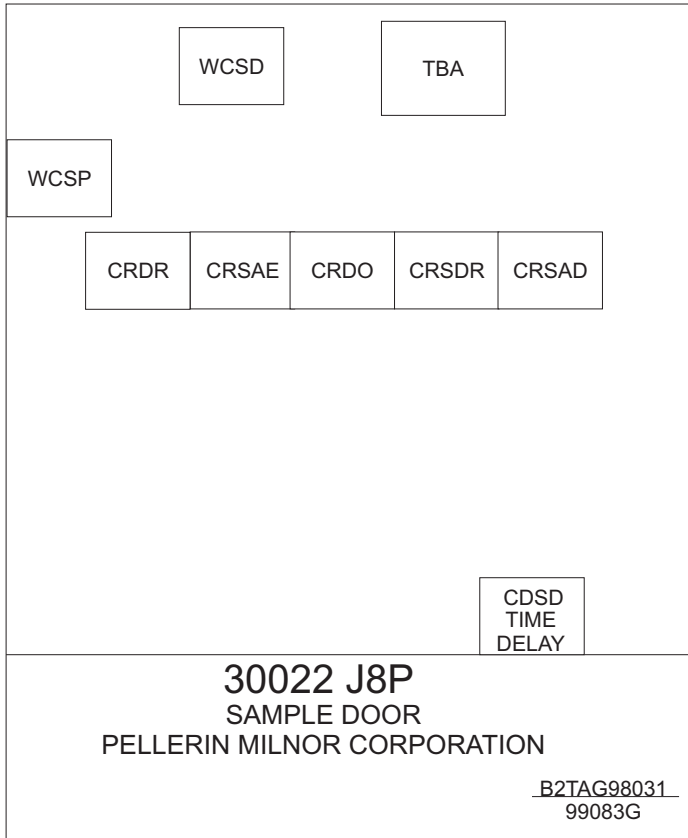
B2T200019
2004254G



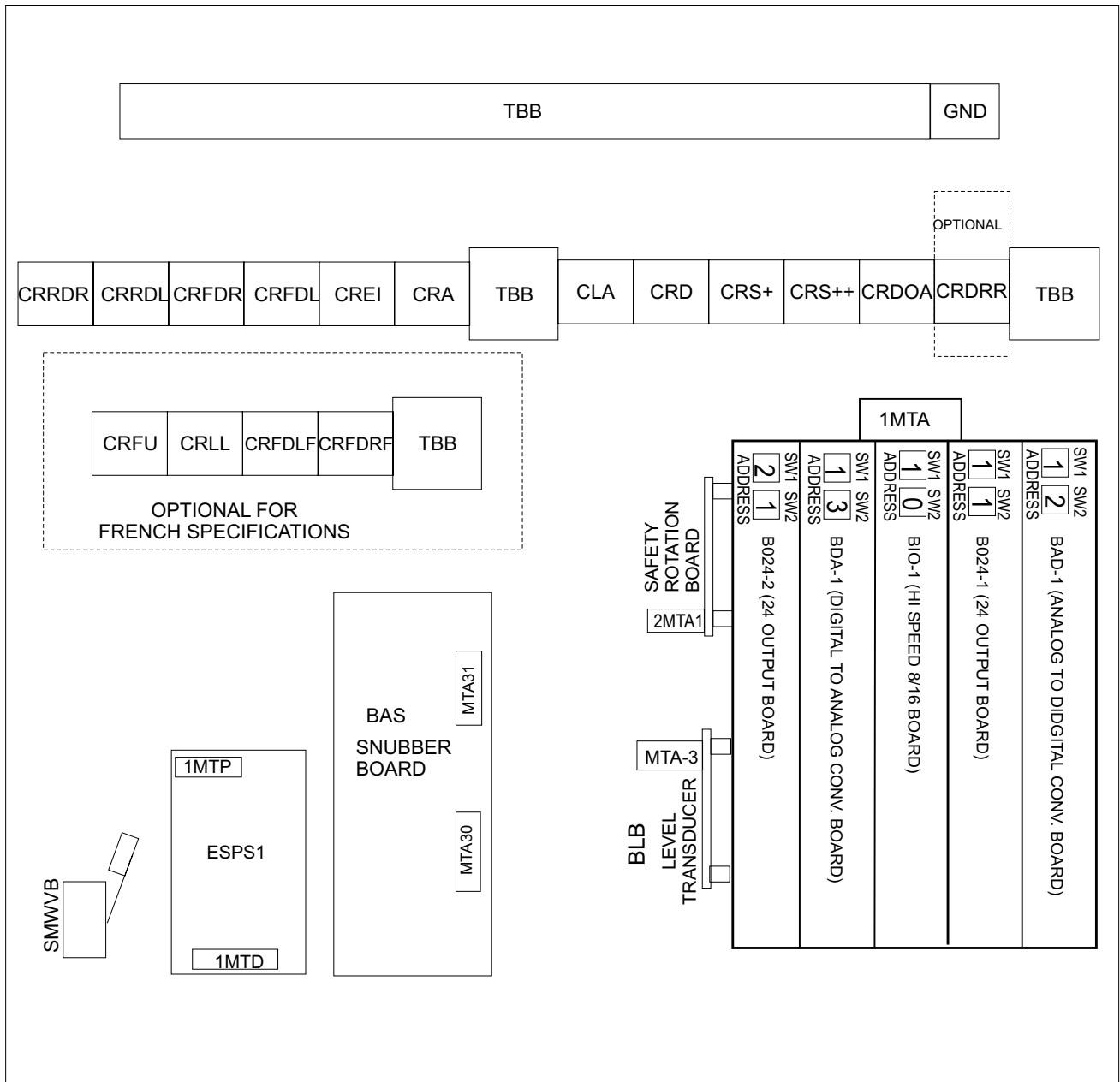
MICRO 6 SYSTEMS, MARK V CONTROLS 30022 F8P/W, J8P CONTROL BOX

PELLERIN MILNOR CORPORATION

B2TAG97078
99083G



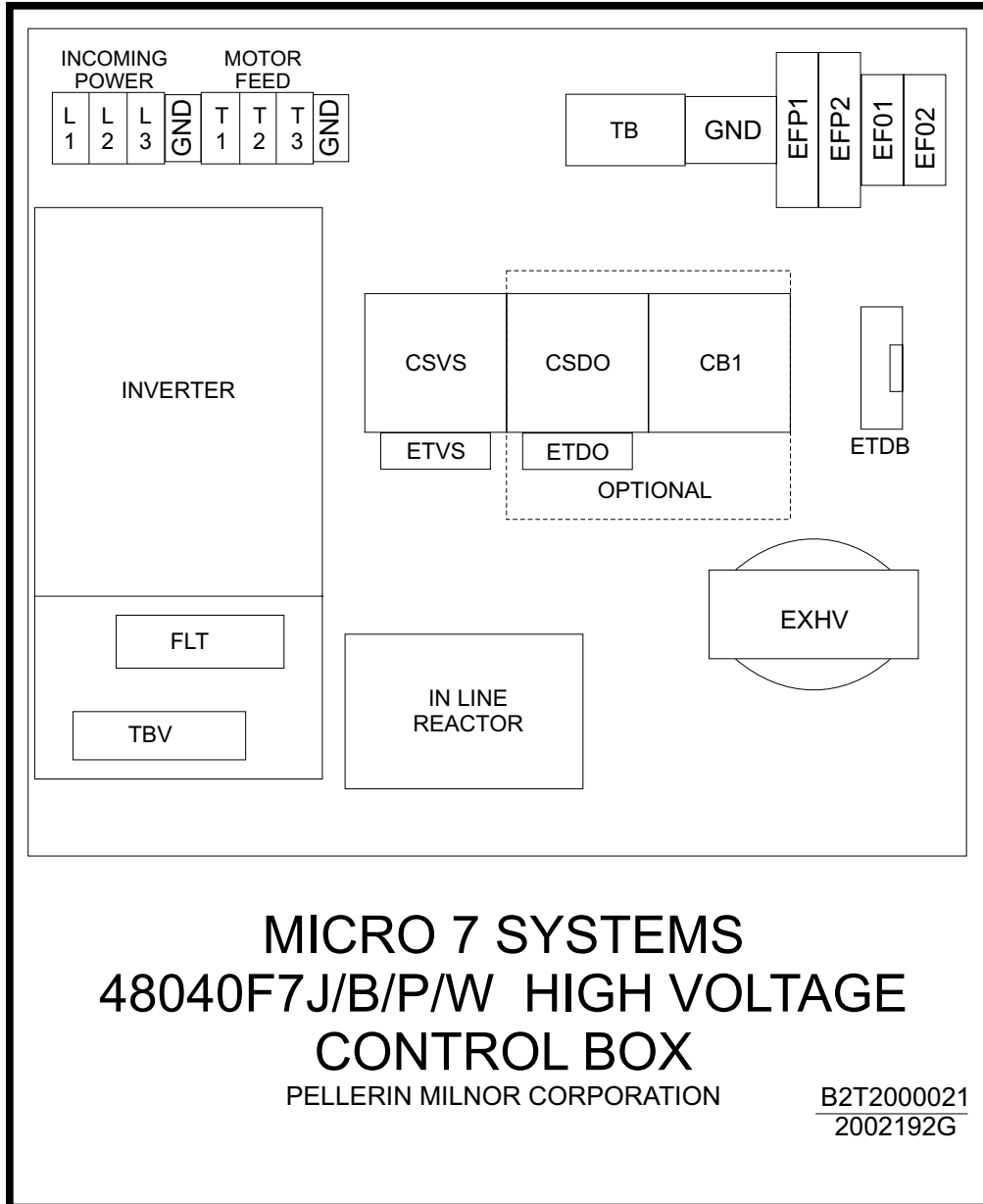
W6F3WSTG3
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION



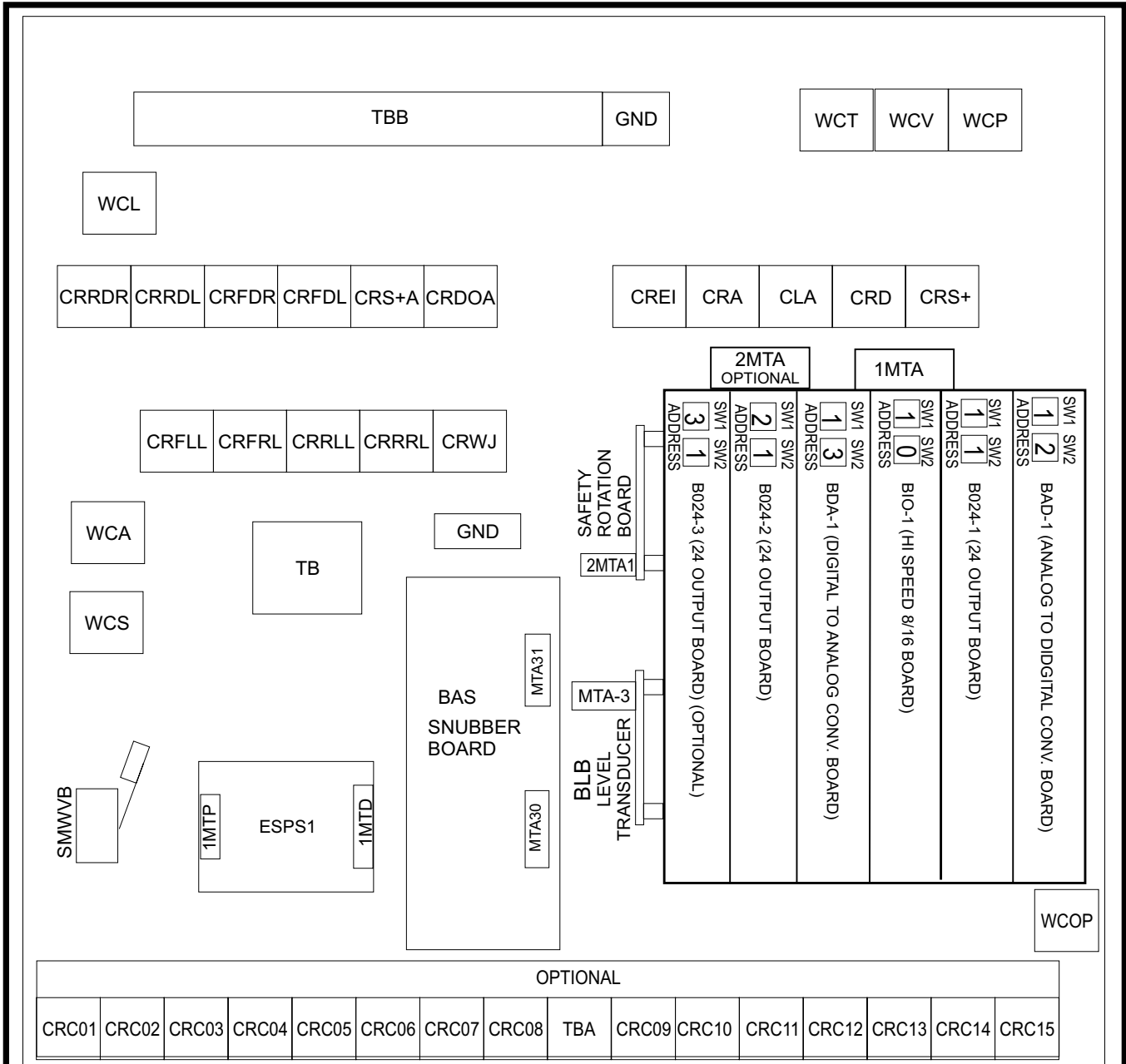
MICRO 6 SYSTEMS 48040 F7W/N LOW VOLTAGE CONTROL BOX

PELLERIN MILNOR CORPORATION

B2T200022
2004062G



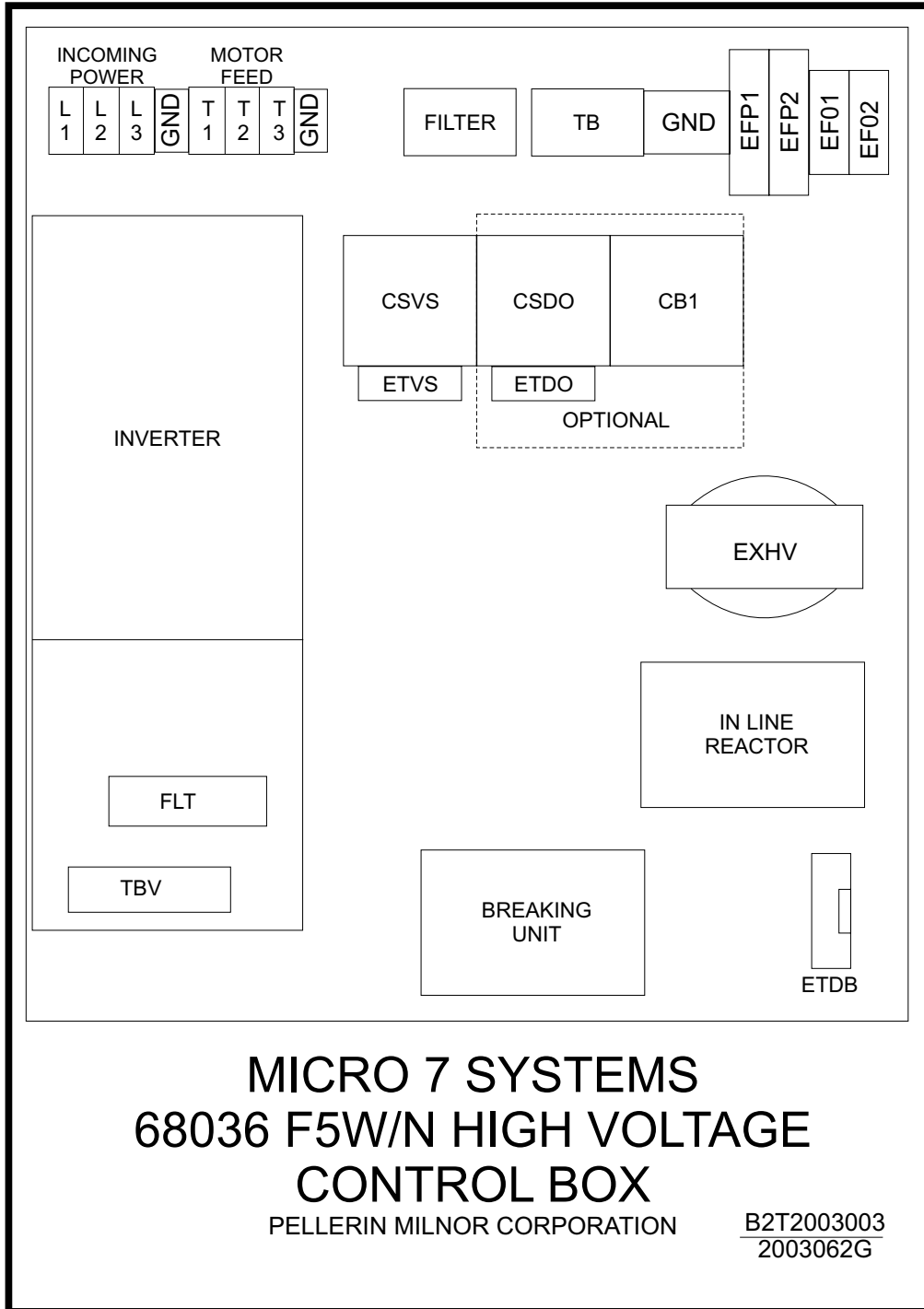
W6F3WSTG4
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION



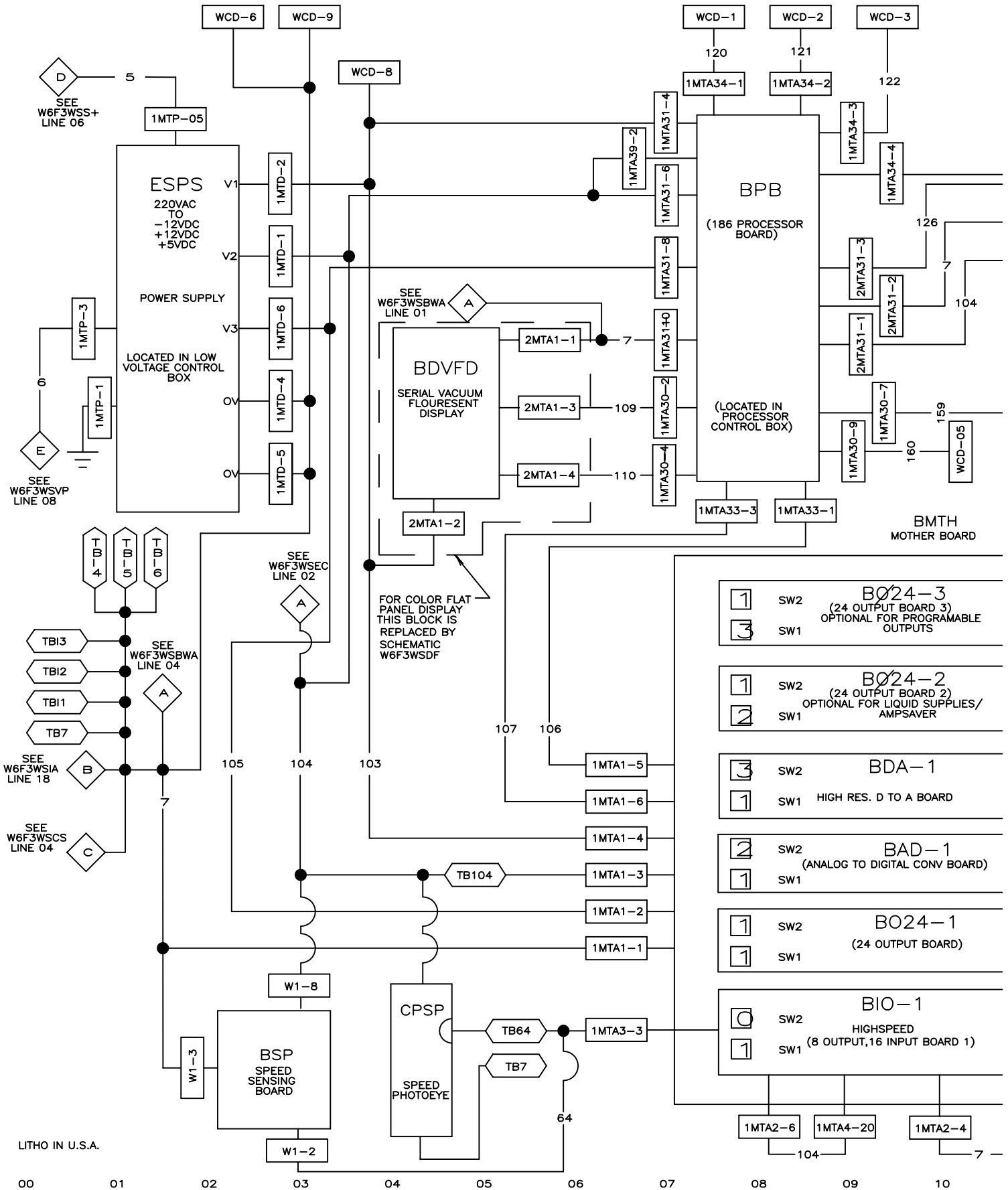
MICRO 6 SYSTEMS 68036 F5W/N LOW VOLTAGE CONTROL BOX

PELLERIN MILNOR CORPORATION

B2T2003004
2006085G

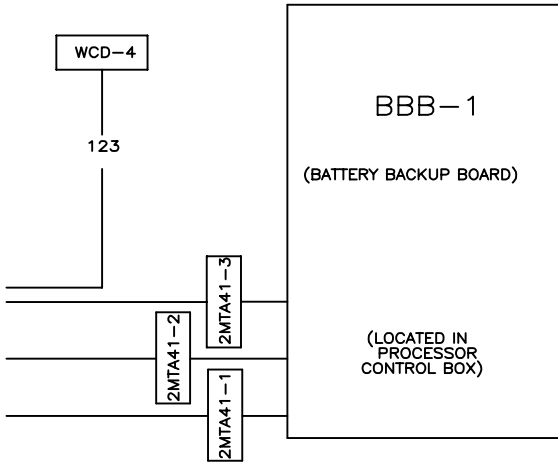


W6F3WSTG5
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION

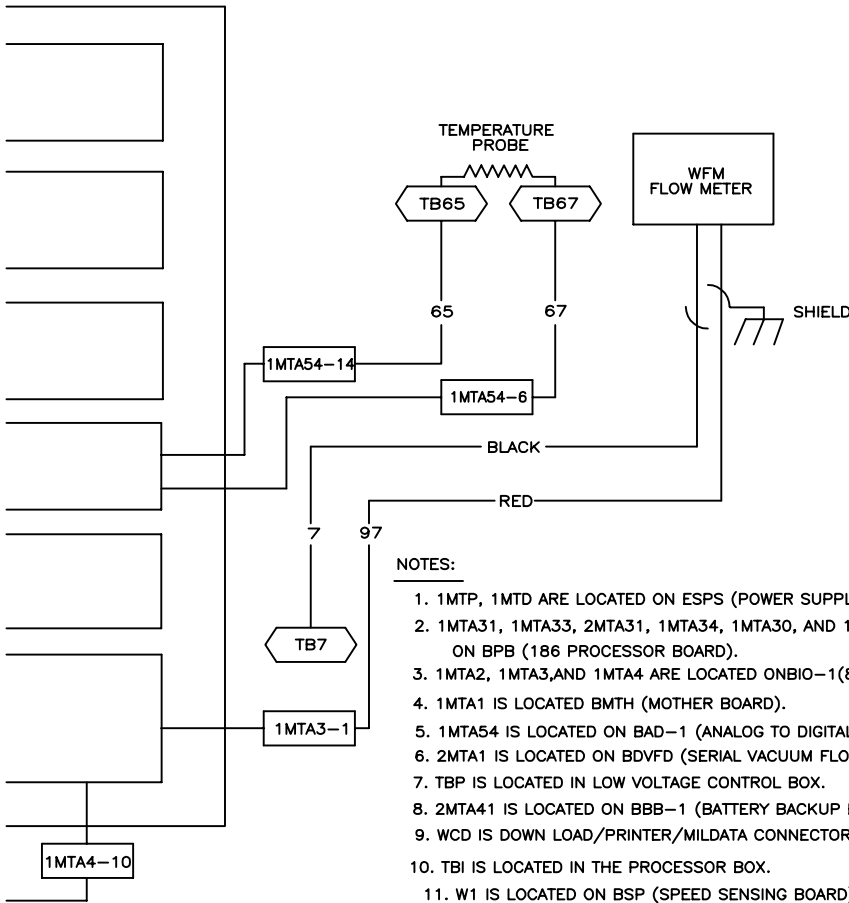
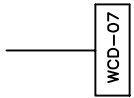


LITHO IN U.S.A.

00 01 02 03 04 05 06 07 08 09 10



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



NOTES:

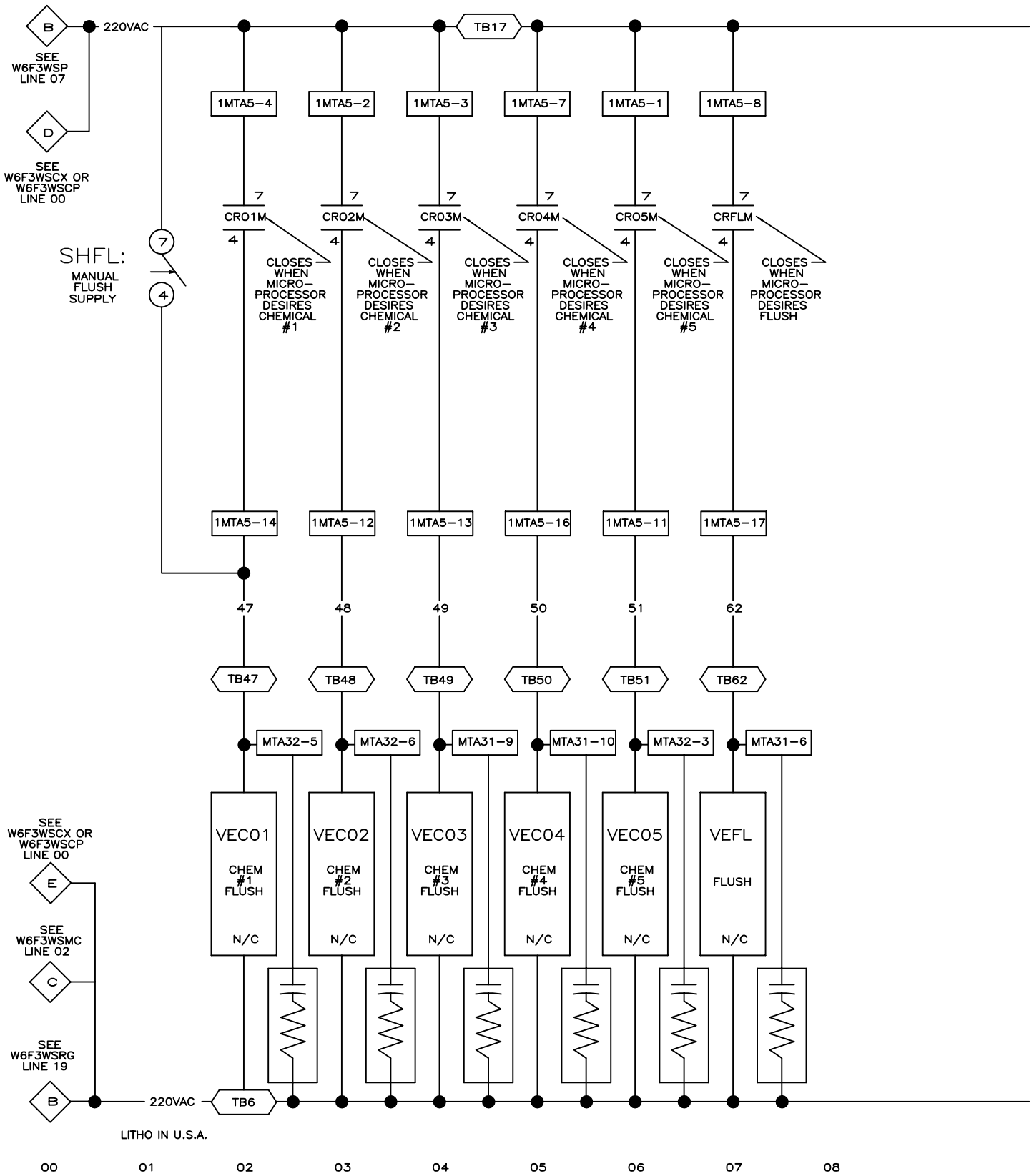
1. 1MTP, 1MTD ARE LOCATED ON ESPS (POWER SUPPLY).
2. 1MTA31, 1MTA33, 2MTA31, 1MTA34, 1MTA30, AND 1MTA39 ARE LOCATED ON BPB (186 PROCESSOR BOARD).
3. 1MTA2, 1MTA3, AND 1MTA4 ARE LOCATED ON BIO-1 (8 OUTPUT-16 INPUT BOARD).
4. 1MTA1 IS LOCATED BMTH (MOTHER BOARD).
5. 1MTA54 IS LOCATED ON BAD-1 (ANALOG TO DIGITAL BOARD).
6. 2MTA1 IS LOCATED ON BDVFD (SERIAL VACUUM FLOURESENT DISPLAY).
7. TBP IS LOCATED IN LOW VOLTAGE CONTROL BOX.
8. 2MTA41 IS LOCATED ON BBB-1 (BATTERY BACKUP BOARD).
9. WCD IS DOWN LOAD/PRINTER/MILDATA CONNECTOR.
10. TBI IS LOCATED IN THE PROCESSOR BOX.
11. W1 IS LOCATED ON BSP (SPEED SENSING BOARD).

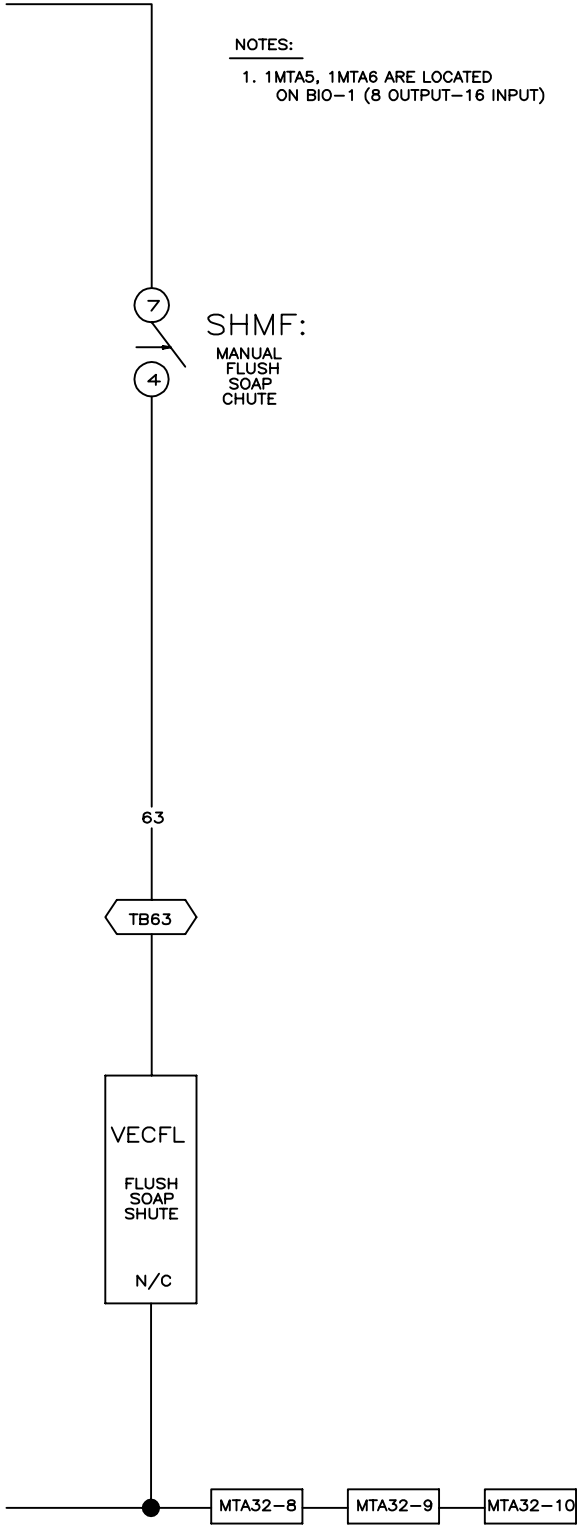
W6F3WSBWA

MICRO 6 SYSTEMS SERIAL CONTROLS MARK V SCHEMATIC: BOARD TO BOARD WIRING (SERIAL CONTROLS)

(MODIFIED FOR 186 PROCESSOR BOARD)

PELLERIN MILNOR CORPORATION





W6F3WSCF

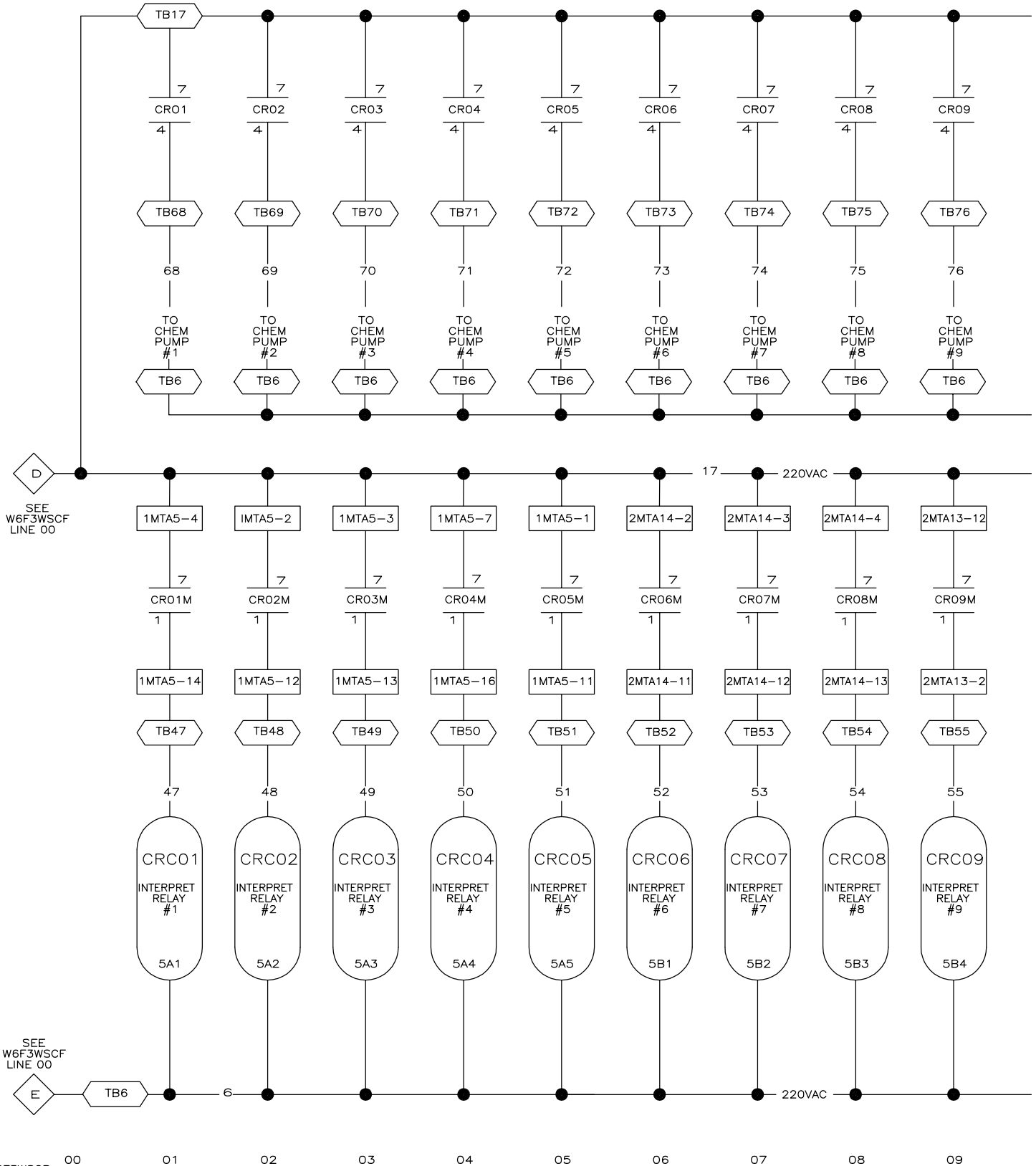
MICRO 6 SYSTEMS SERIAL CONTROLS MARK V

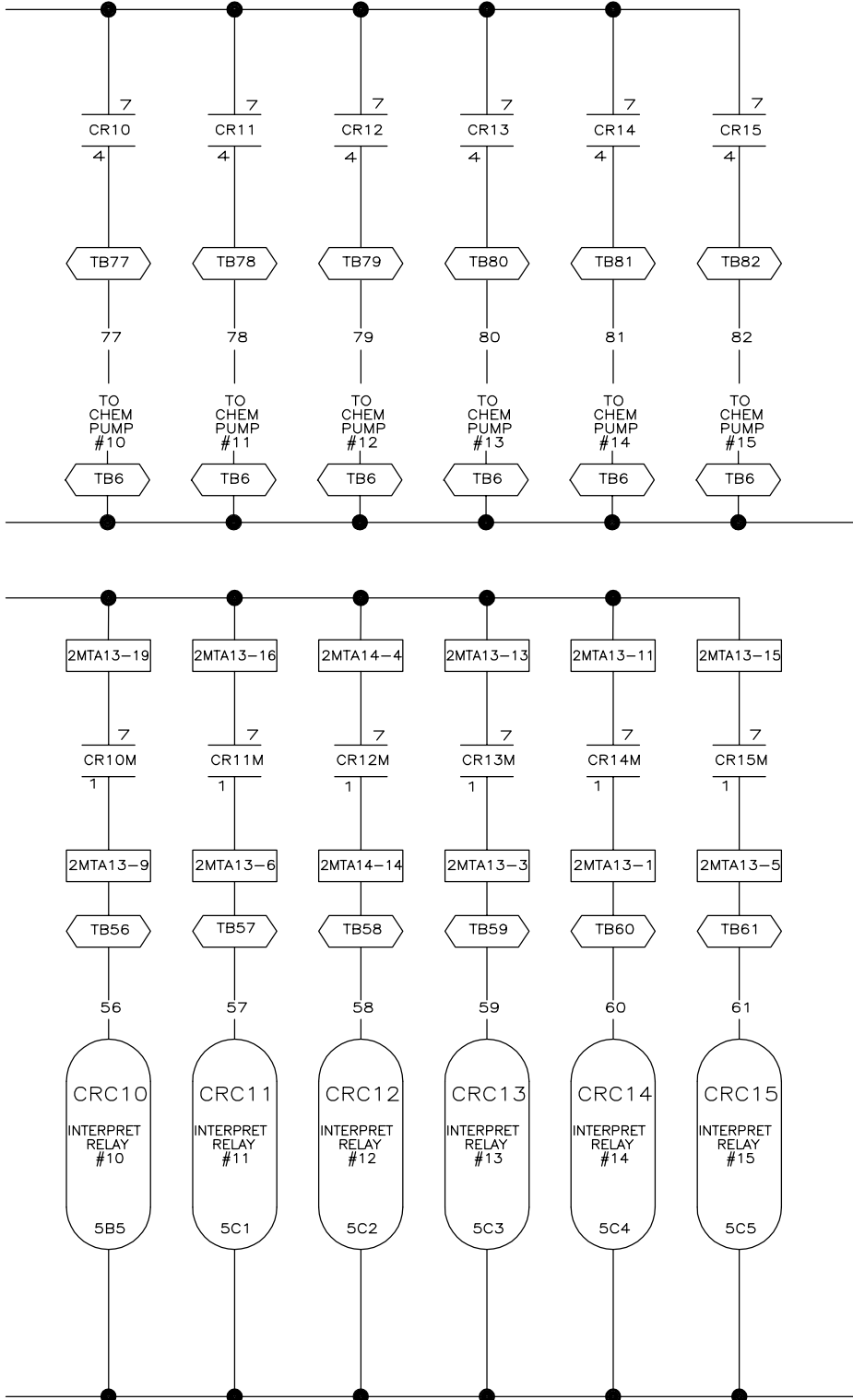
SCHEMATIC: FLUSHING SUPPLIES

220V1P50HZ/240V1P60HZ

PELLERIN MILNOR CORPORATION

IF CUSTOMER IS SUPPLYING
VOLTAGE FOR CHEMICAL
PUMPS THEM TB17 & TB6 FEEDING
THE INTERPRET RELAY CONTACTS
MUST BE DISCONNECTED FROM
THE INTERNAL 220/240VAC SUPPLY.





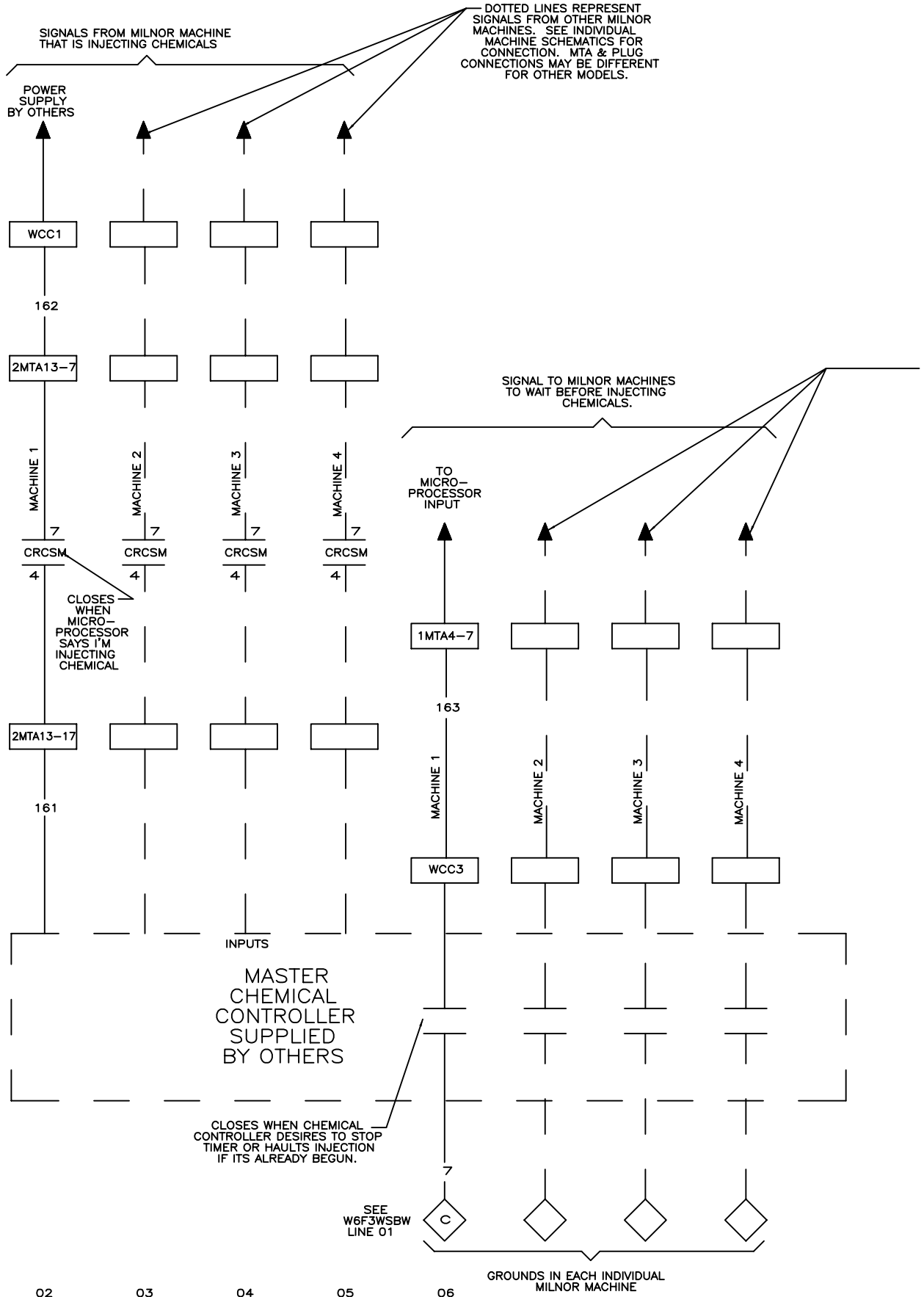
W6F3WSCP

MICRO 6 SYSTEMS SERIAL CONTROLS

SCHEMATIC: LIQUID SUPPLY-INTERPRET RELAYS

220V1P50HZ/240V1P60HZ

PELLERIN MILNOR CORPORATION



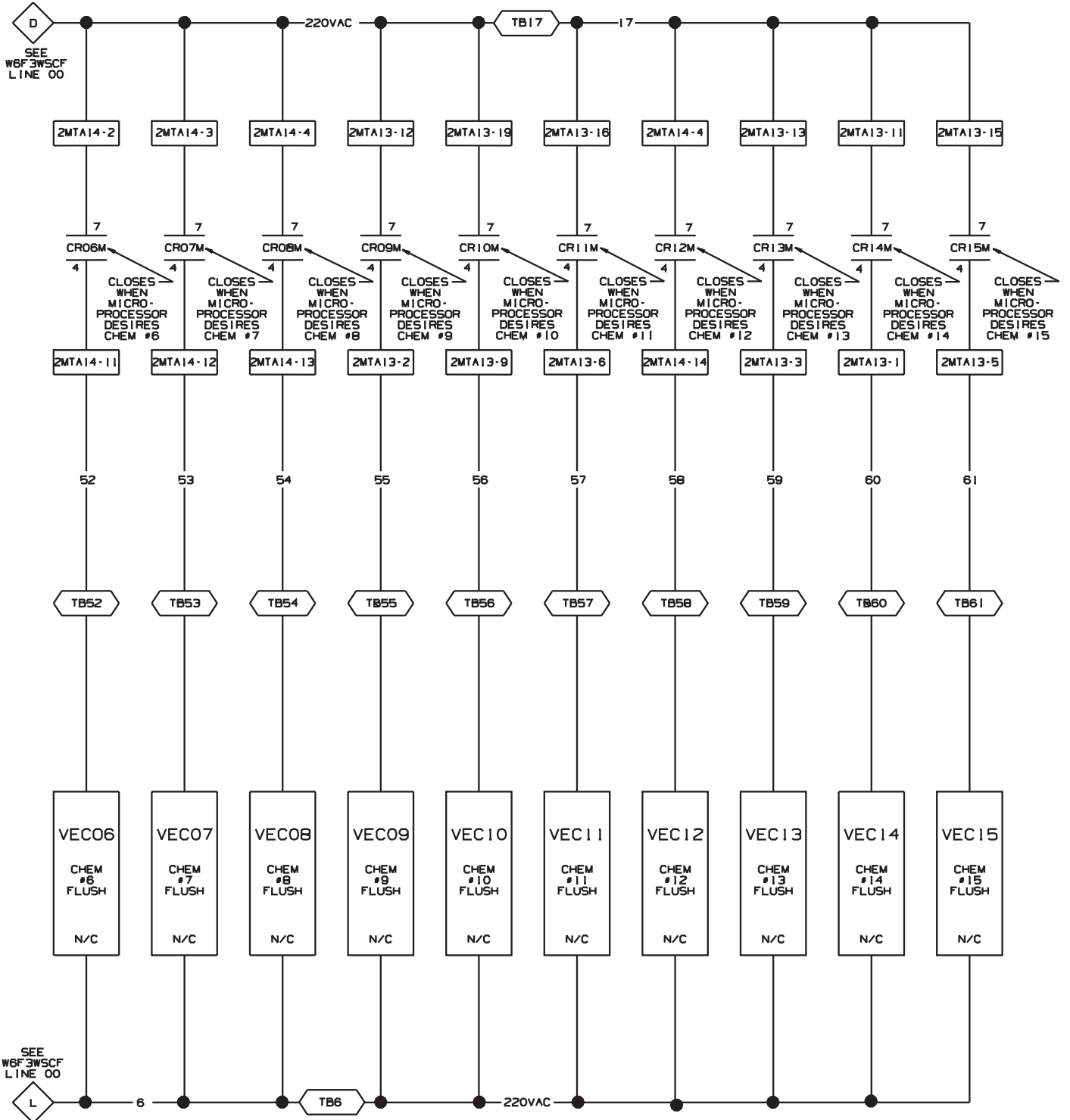
00 01 02 03 04 05 06

— 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.

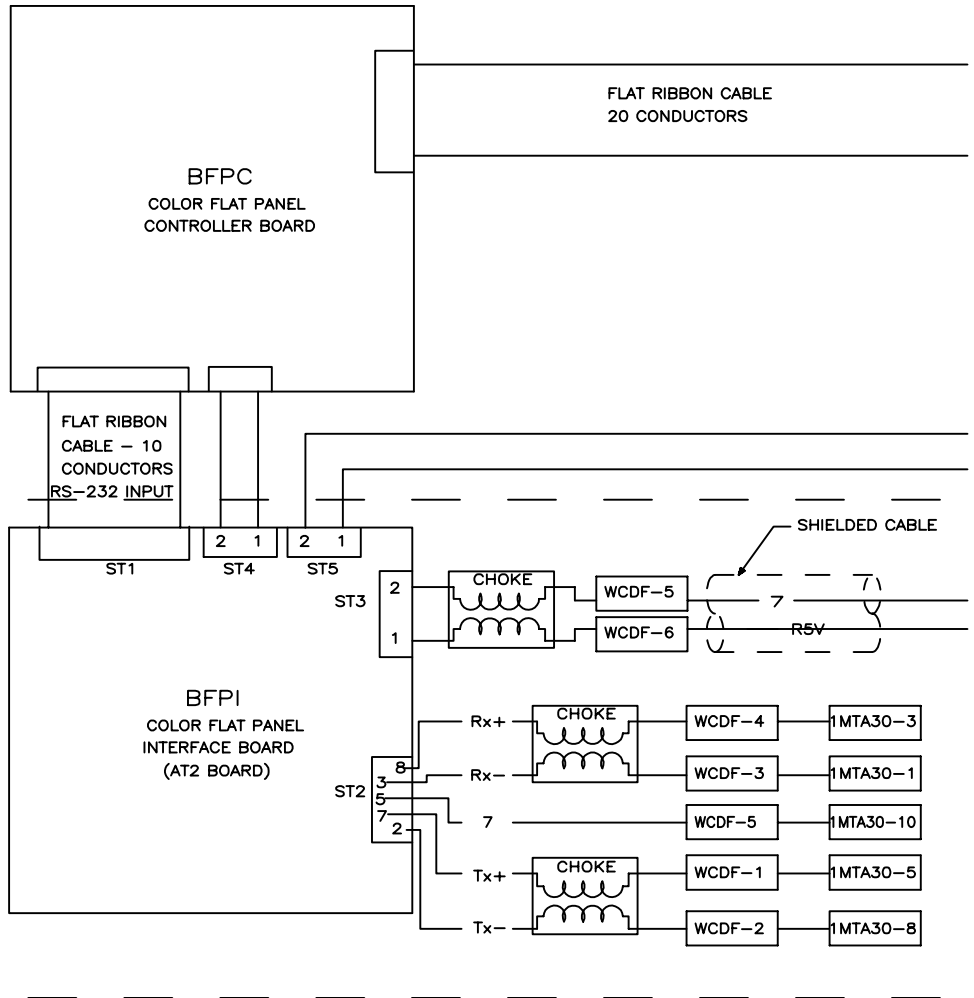
W6F3WSCS
MICRO 6 SYSTEMS
MARK V
SCHEMATIC: CHEMICAL SAVE (OPTIONAL)
PELLERIN MILNOR CORPORATION



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

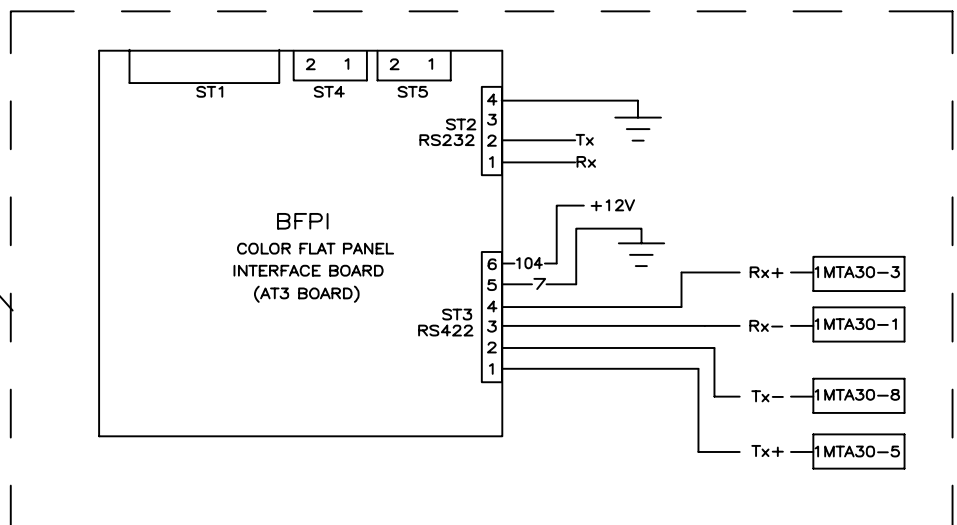
W6F3WSCX
 MICRO 6 SYSTEMS
 SERIAL CONTROLS
 MARK V
 SCHEMATIC: CENTRAL LIQUID SUPPLY
 FLUSH 6 THRU 15

PELLERIN MILNOR CORPORATION



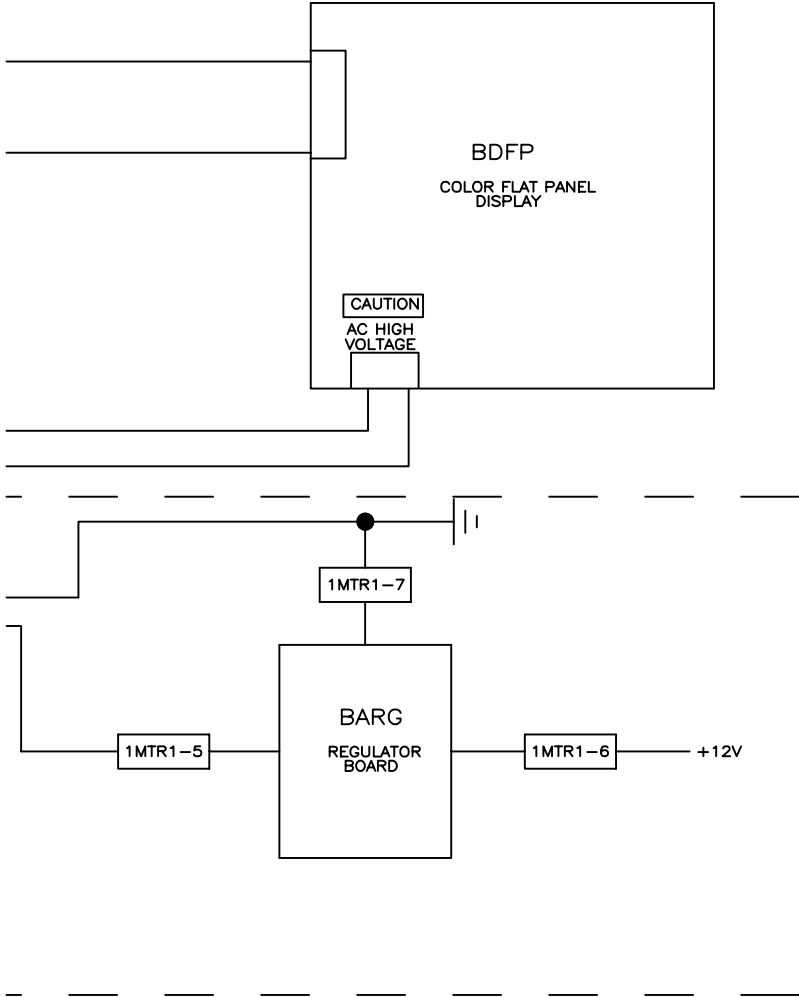
AT2 INTERFACE BOARD
FOR MACHINES MANUFACTURED
BEFORE 10-1-2005

NOTE: CONNECTOR WCDF
IS LOCATED NEXT TO INTERFACE
BOARD BFPI



AT3 INTERFACE BOARD
FOR MACHINES MANUFACTURED
AFTER 10-1-2005

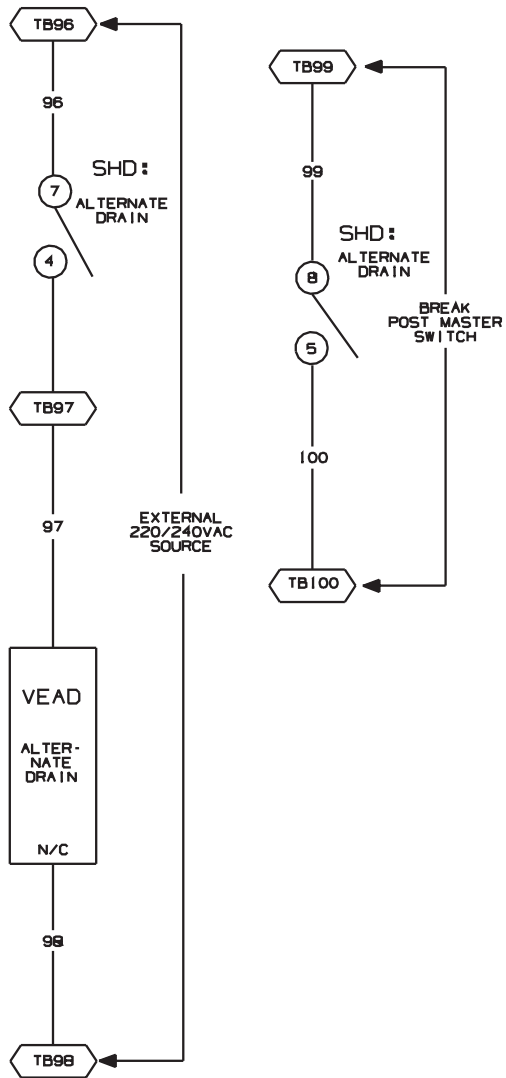
WHEN REPLACING
OLD (AT2) BOARD WITH
NEW (AT3) BOARD CONNECTOR
WCDF CAN BE PLUGGED DIRECTLY
INTO ST3 WITH THE EXCEPTION
OF PIN 6 THAT MUST BE REROUTED
TO +12V (WIRE 104)



NOTES

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

W6F3WSDF
 MICRO 6 SYSTEMS
 MARK V
 SCHEMATIC: COLOR FLAT PANEL DISPLAY
 PELLERIN MILNOR CORPORATION



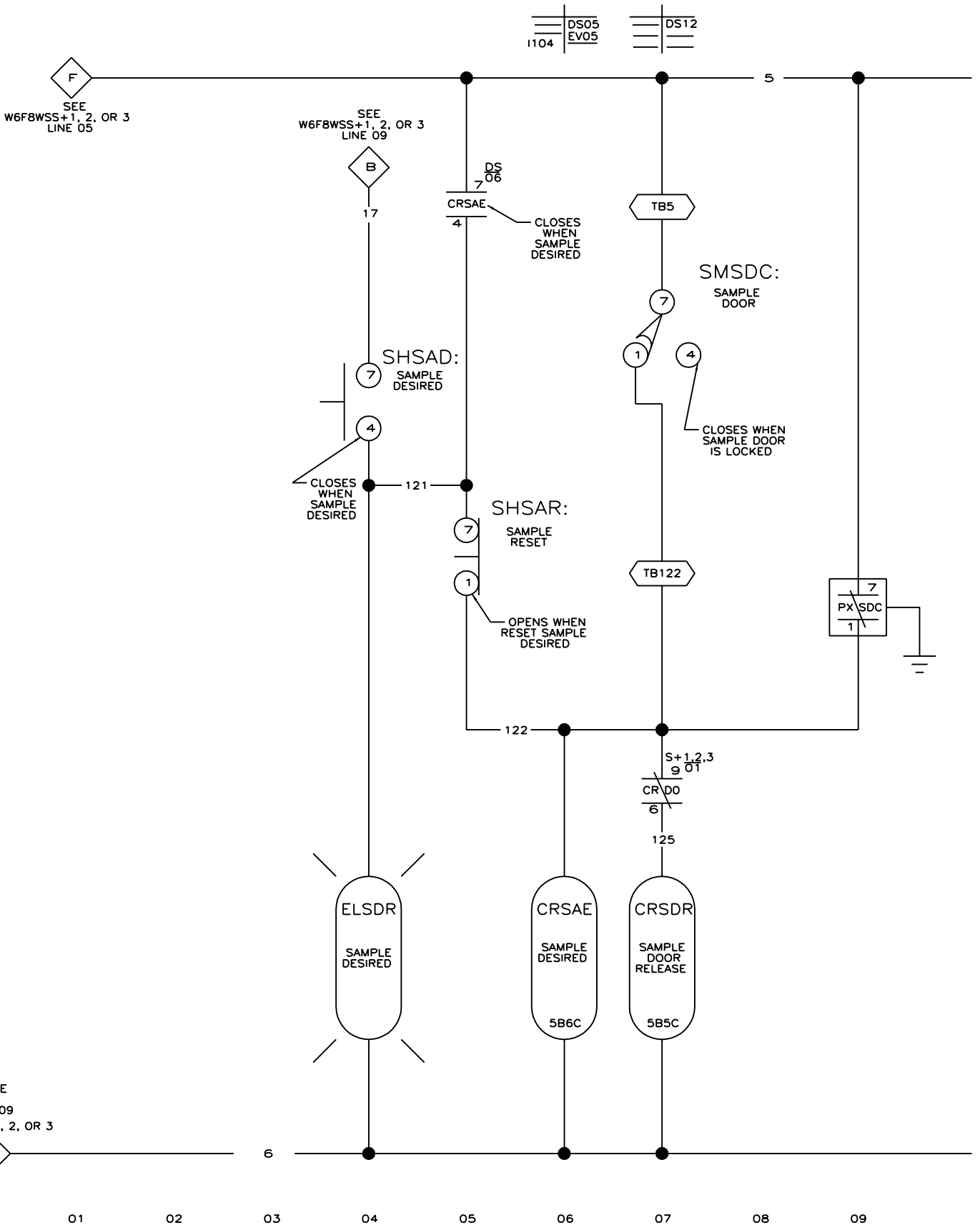
00 01 02 03 04 05 06 07

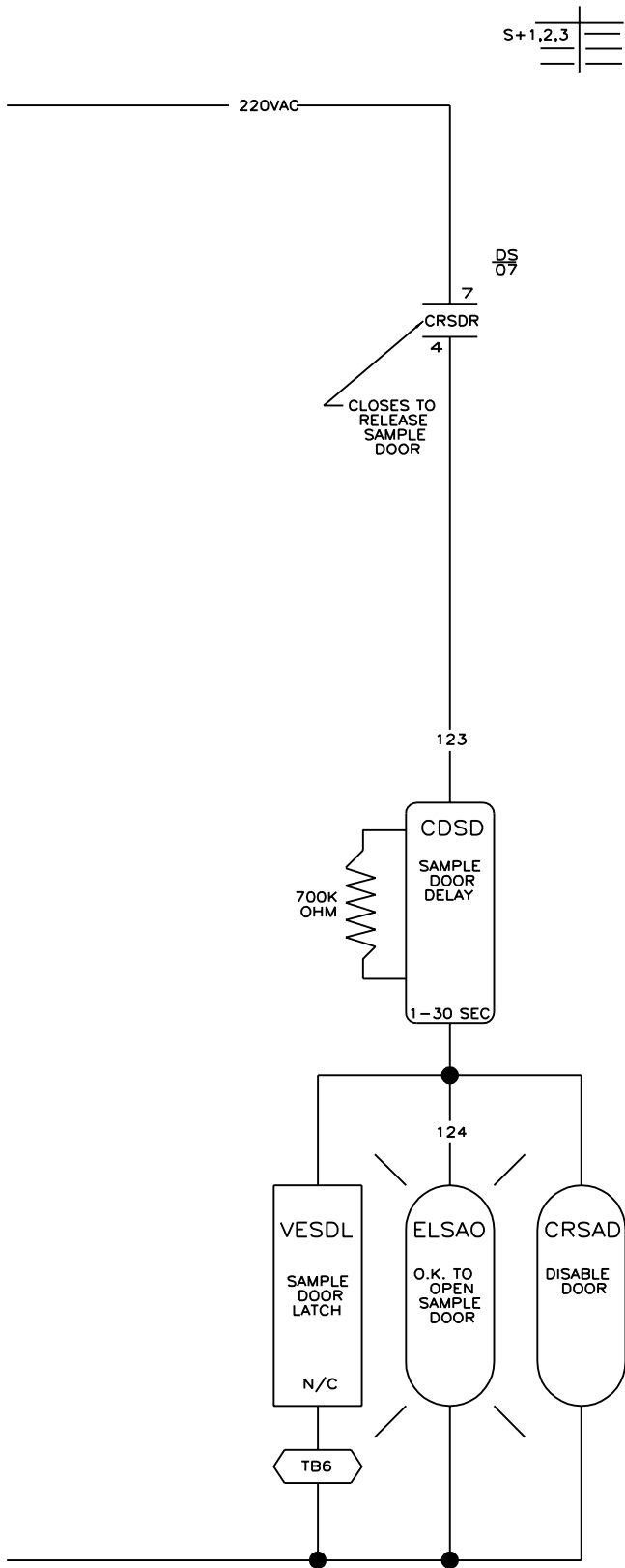
W6F3WSDR

SCHEMATIC: ALTERNATE DRAIN VALVE
FOR AIR OPERATED DRAINS ONLY

220V1P50HZ/240V1P60HZ

PELLERIN MILNOR CORPORATION





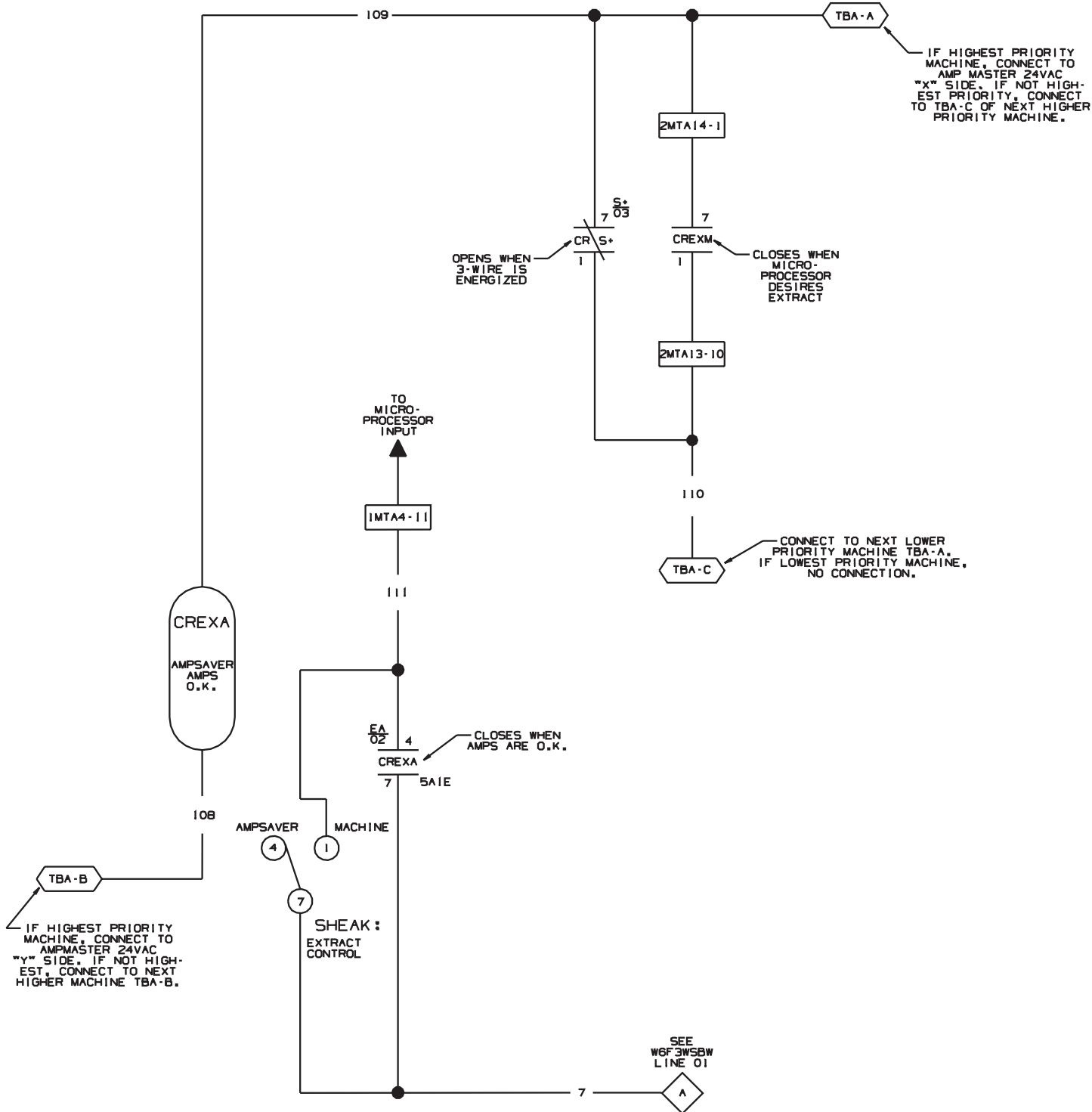
10 11 12 13 14 15 16 17 18

W6F3WSDS
 MICRO 6 SYSTEMS
 FOR MARK V CONTROLS J8P, J7P ONLY
 SCHEMATIC: DOOR SAMPLE
 110V1P50HZ/120V1P60HZ
 PELLERIN MILNOR CORPORATION

W6F3WSDS
2002053B

W6F3WSDS
2002053B

EA04



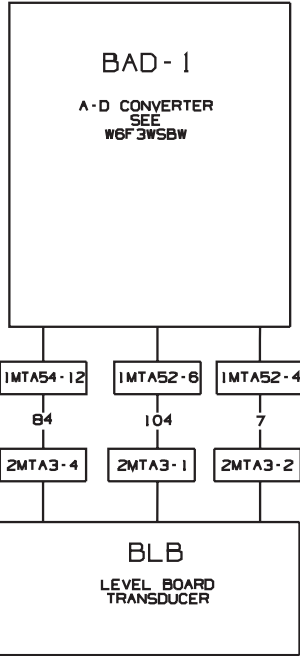
LITHO IN U.S.A.

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

W6F3WSEA

MICRO 6 SYSTEMS SERIAL CONTROLS
MARK V

SCHEMATIC: EXTRACT COMMANDS SATISFIED
24VIP50HZ/24VIP60HZ
PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07 08 09 10

11

12

13

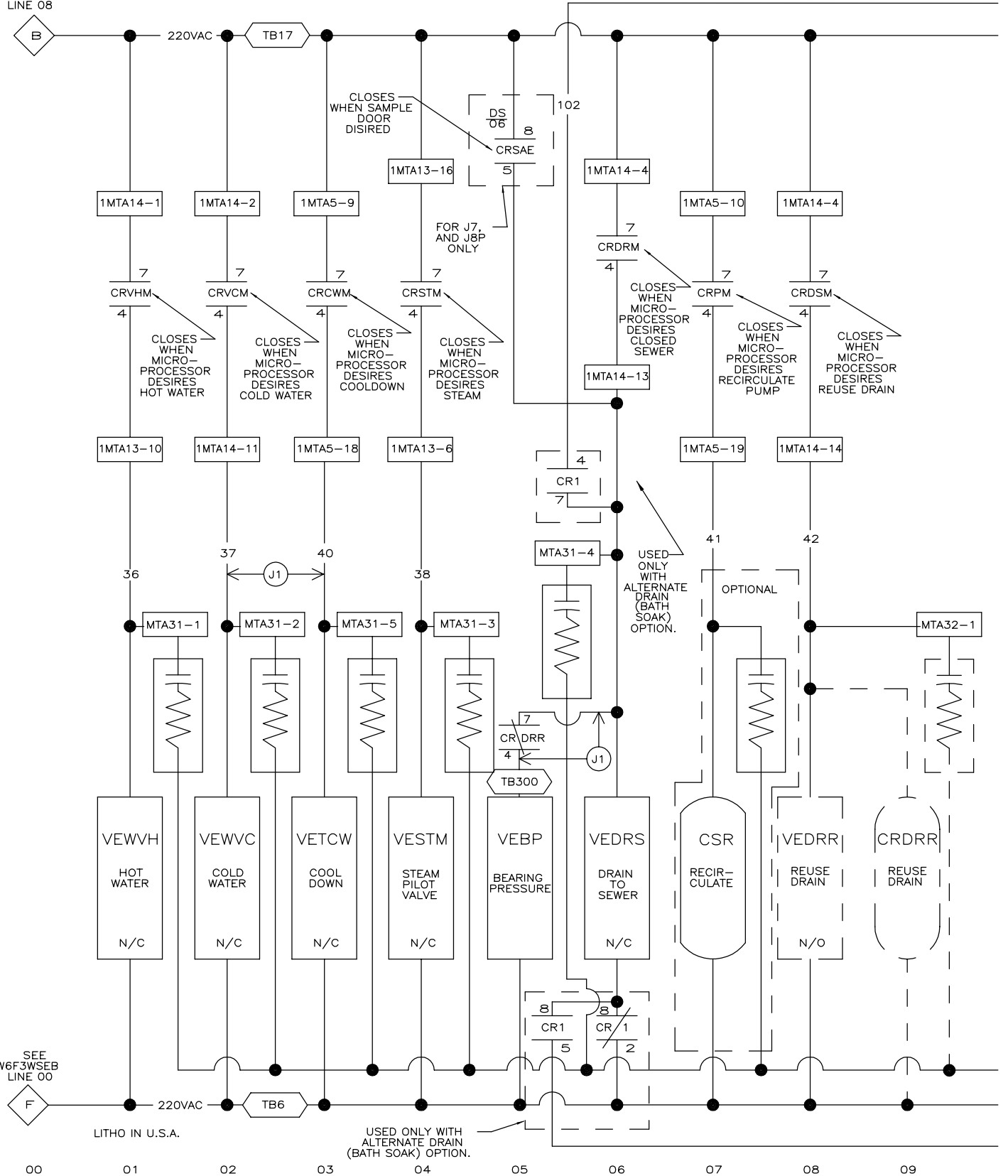
14

W6F3WSEC

MICRO 6 SYSTEMS
SERIAL CONTROLS
MARK V

SCHEMATIC: ELECTRONIC RPM/LEVEL
PELLERIN MILNOR CORPORATION

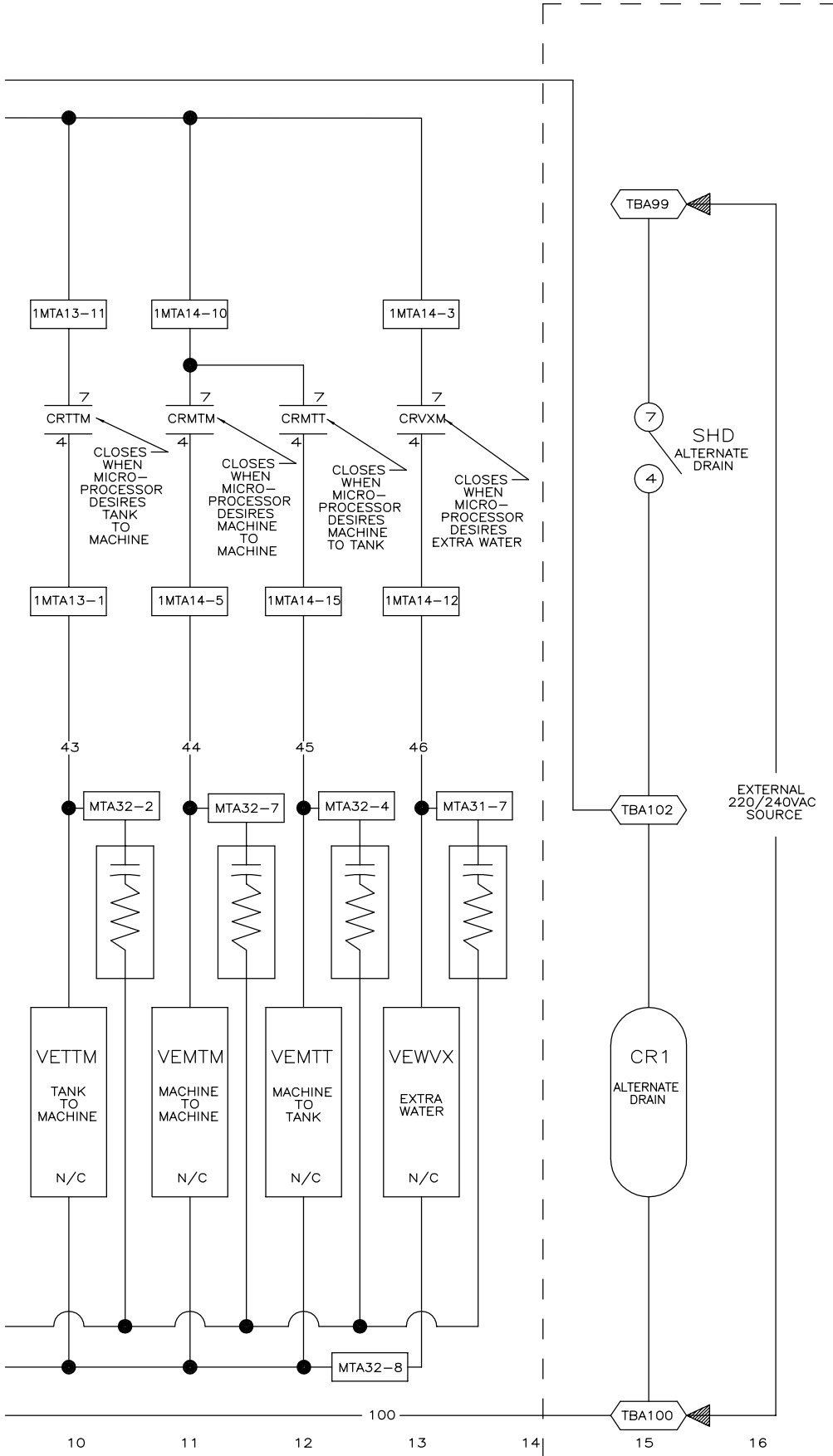
SEE
W6F3WSP
LINE 08



SEE
W6F3WSEB
LINE 00

LITHO IN U.S.A.

USED ONLY WITH
ALTERNATE DRAIN
(BATH SOAK) OPTION.



W6F3WSEV
 MICRO 6 SYSTEMS
 MARK V CONTROLS
 SCHEMATIC: ELECTRICAL VALVES
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

USED ONLY ON MACHINES WITH ALTERNATE DRAIN (BATH SOAK) OPTION. IF MACHINE IS EQUIPPED WITH AIR OPERATED VALVES SEE W6F3WSDR.

NOTE: SEE W6F3WSEVA FOR 48040F7N TILTING W/E.

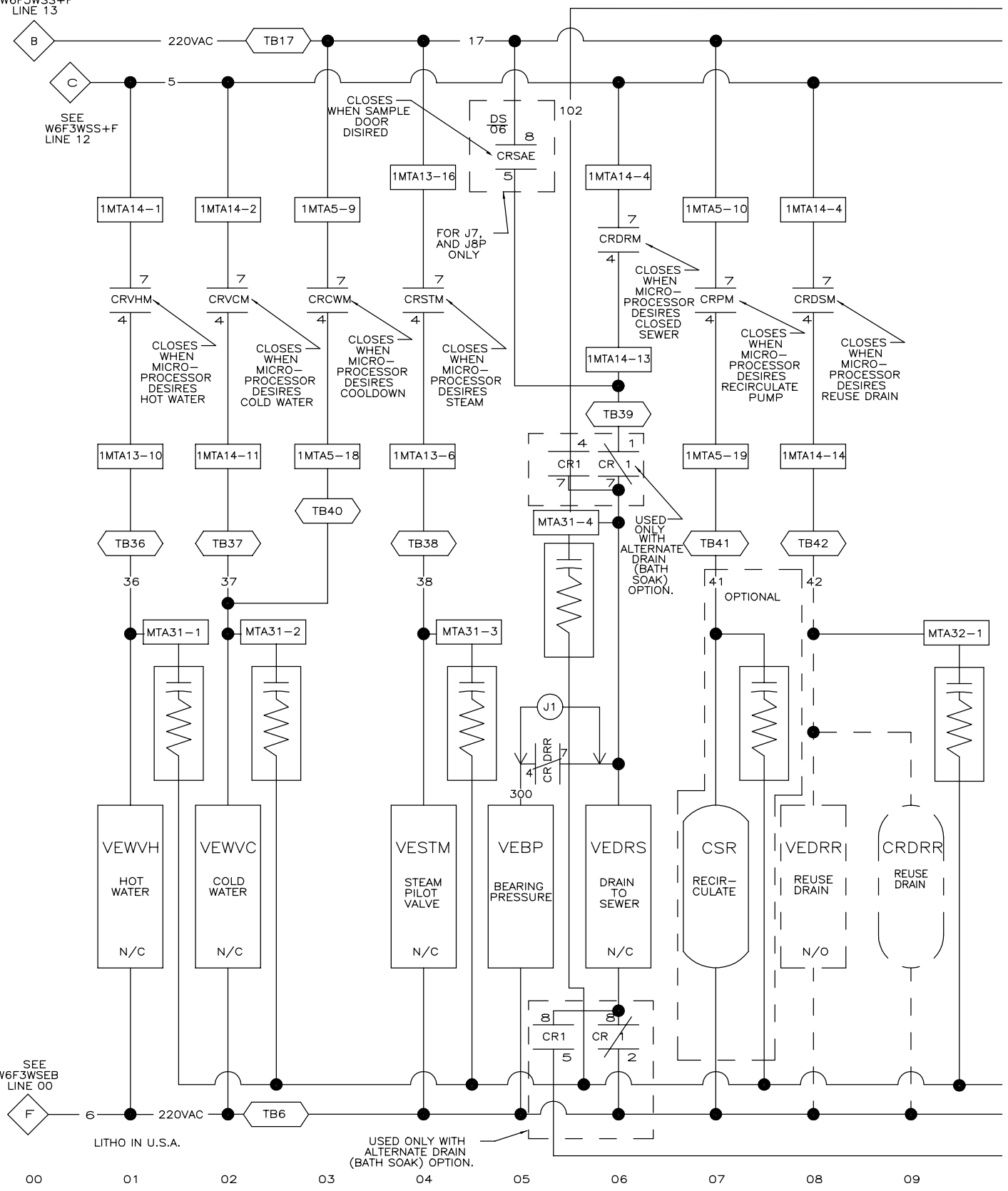
NOTE: REMOVE (J1) FOR DRAIN TO REUSE OPTION.

NOTE: REMOVE (J2) IF MACHINE IS EQUIPPED WITH SEPERATE COOLDOWN WATER VALUE.

SEE
W6F3WSS+F
LINE 13

SEE
W6F3WSS+F
LINE 12

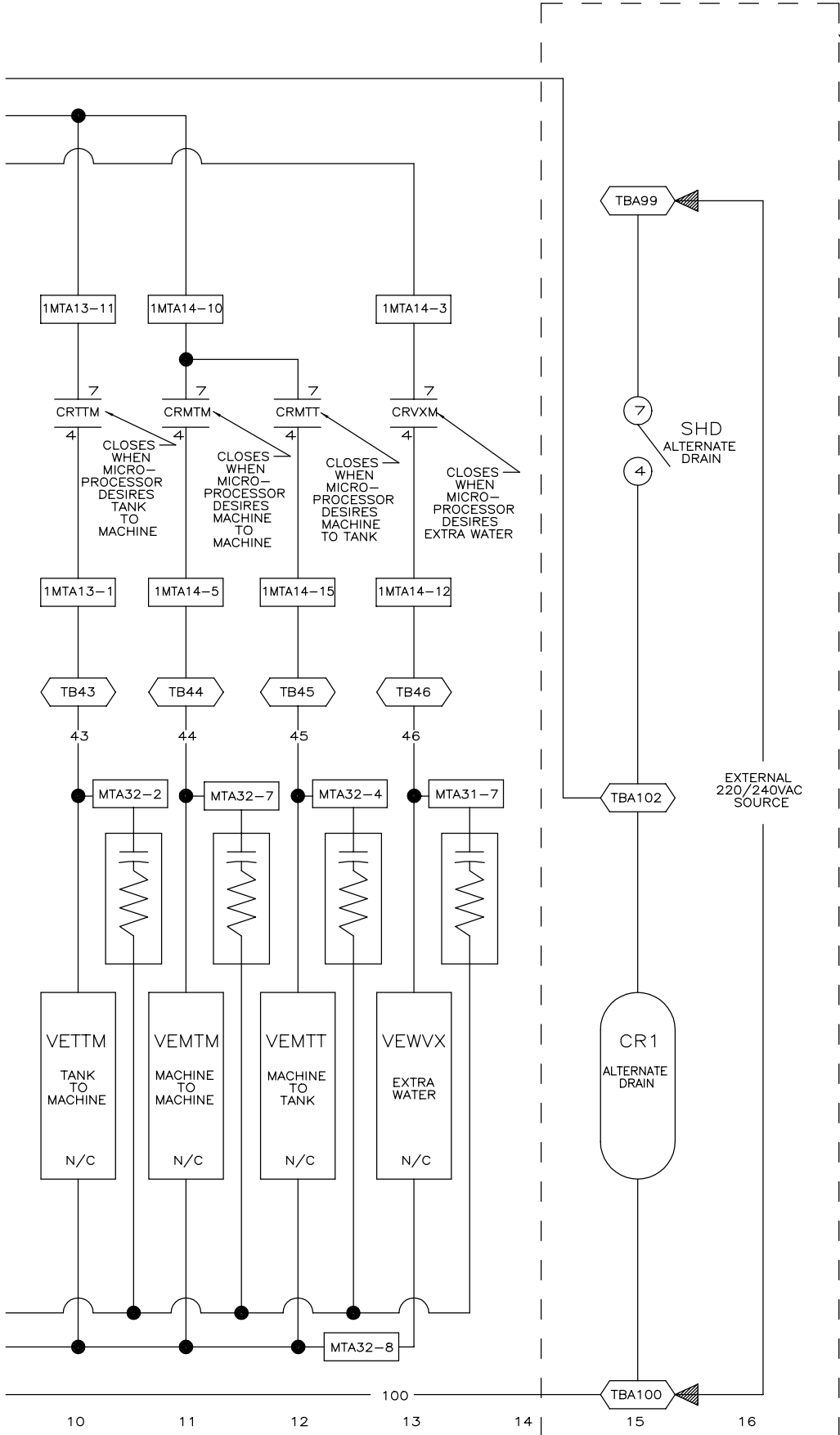
SEE
W6F3WSEB
LINE 00



LITHO IN U.S.A.

USED ONLY WITH
ALTERNATE DRAIN
(BATH SOAK) OPTION.

00 01 02 03 04 05 06 07 08 09



USED ONLY ON MACHINES WITH ALTERNATE DRAIN (BATH SOAK) OPTION. IF MACHINE IS EQUIPED WITH AIR OPERATED VALVES SEE W6F3WSDR.

W6F3WSEVA
 MICRO 6 SYSTEMS
 MARK V CONTROLS
 SCHEMATIC: ELECTRICAL VALVES
 FOR 48040F7N/68036F5N TILTING W/E ONLY
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

NOTES
 REMOVE (J1) FOR DRAIN TO REUSE OPTION.

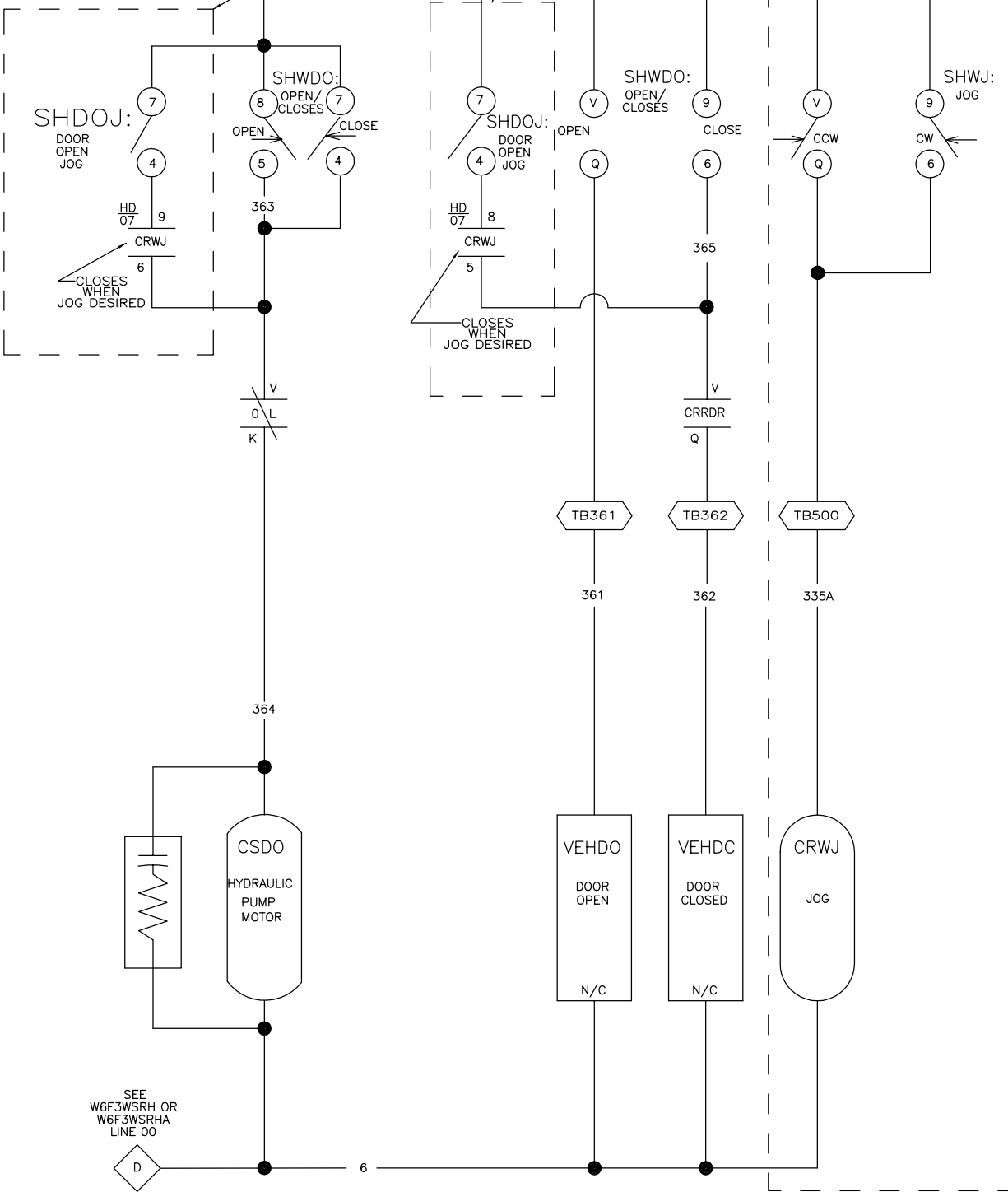
FOR 68036F5N ONLY

———	HD04
———	HD01
———	S+F01

SEE
W6F3WSRH OR
W6F3WSRHA
LINE 04



10



SEE
W6F3WSRH OR
W6F3WSRHA
LINE 00



6

00

01

02

03

04

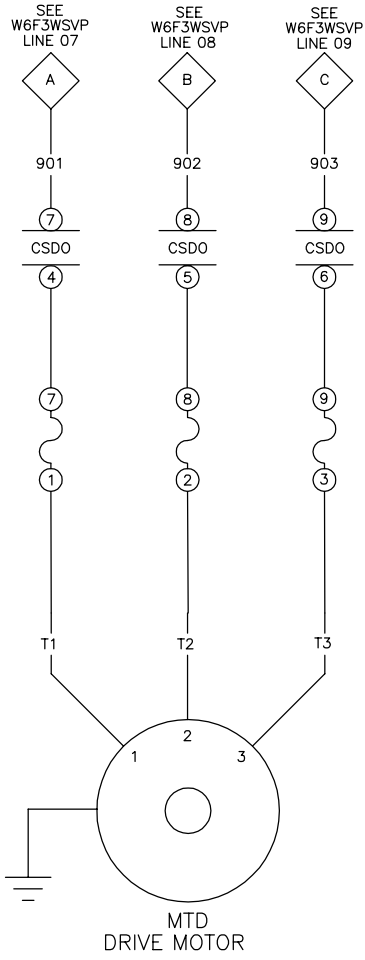
05

06

07

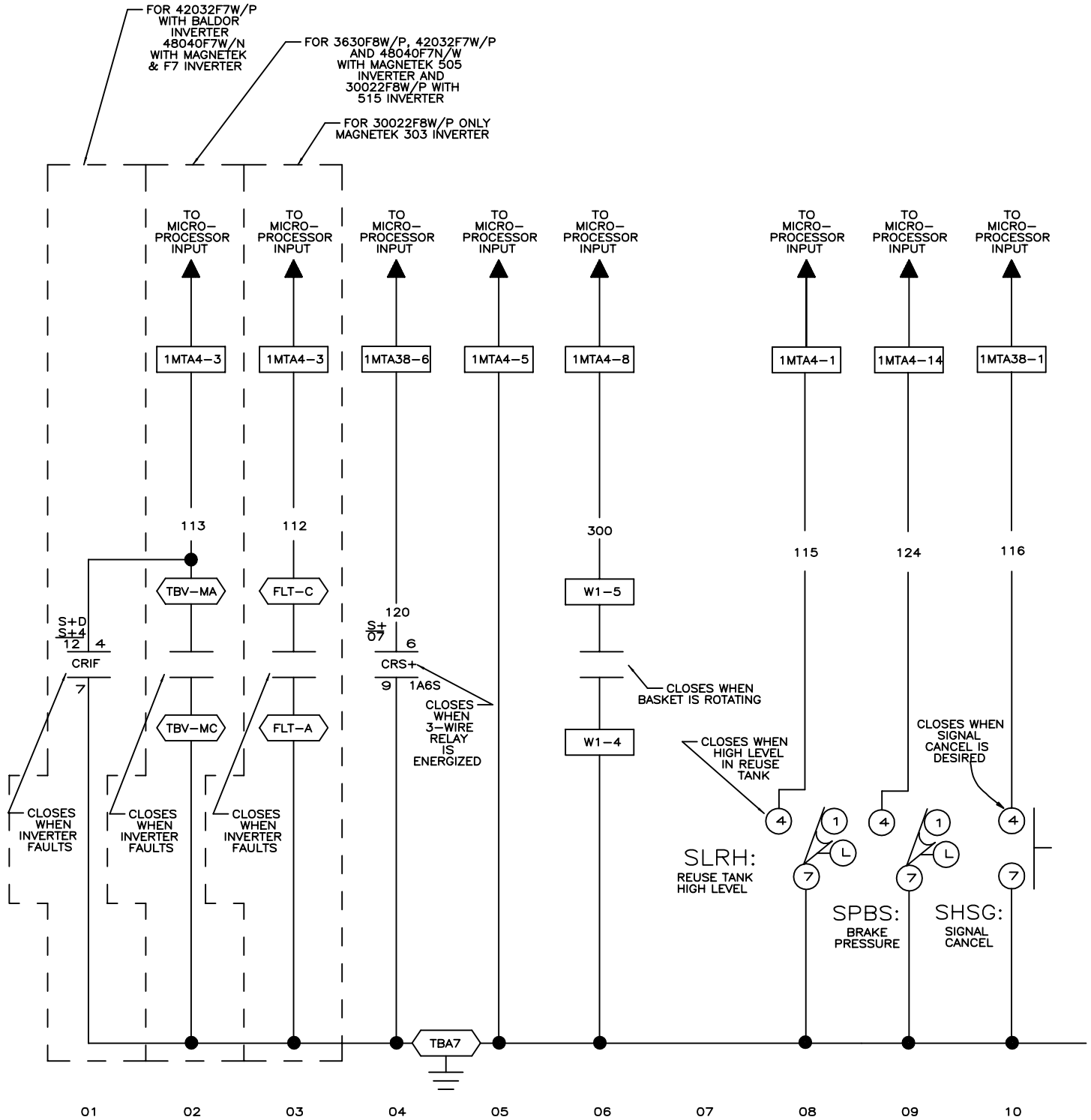
08

09

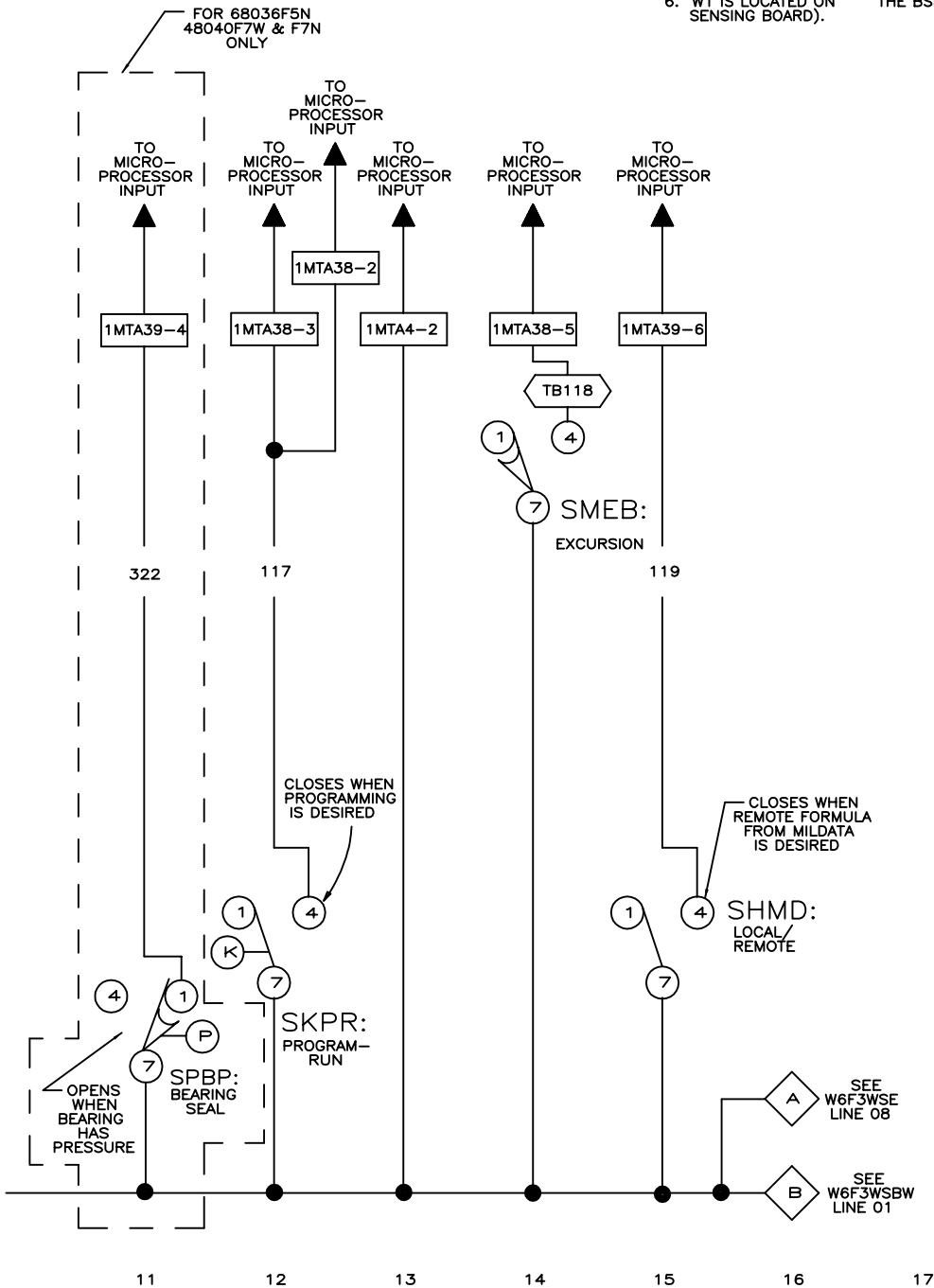


ETDO:
HYDRAULIC DOOR
OPEN MOTOR OVERLOAD

W6F3WSHD
MICRO 6 SYSTEMS
MARK V CONTROLS
SCHEMATIC; HYDRAULIC DOOR
FOR 48040F7N/W 68036F5N/W
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION



1. 1MTA38 AND 1MTA39 ARE LOCATED ON BPB (PROCESSOR BOARD).
2. 1MTA3 AND 1MTA4 ARE LOCATED ON BIO-1 (8 OUTPUT-16 INPUT BOARD).
3. TBR, TBP, AND TB3 (COPPER BUS BAR) ARE LOCATED IN LOW VOLTAGE CONTROL BOX.
4. INVERTER FAULT CONTACTS TBV-MA AND MC ARE FOR GPD505 INVERTER. FOR GPD503 CONTACTS ARE TBV18 AND 20.
5. REMOVE (J1) FOR J7, J8P.
6. W1 IS LOCATED ON THE BSP (SPEED SENSING BOARD).



W6F3WS11A

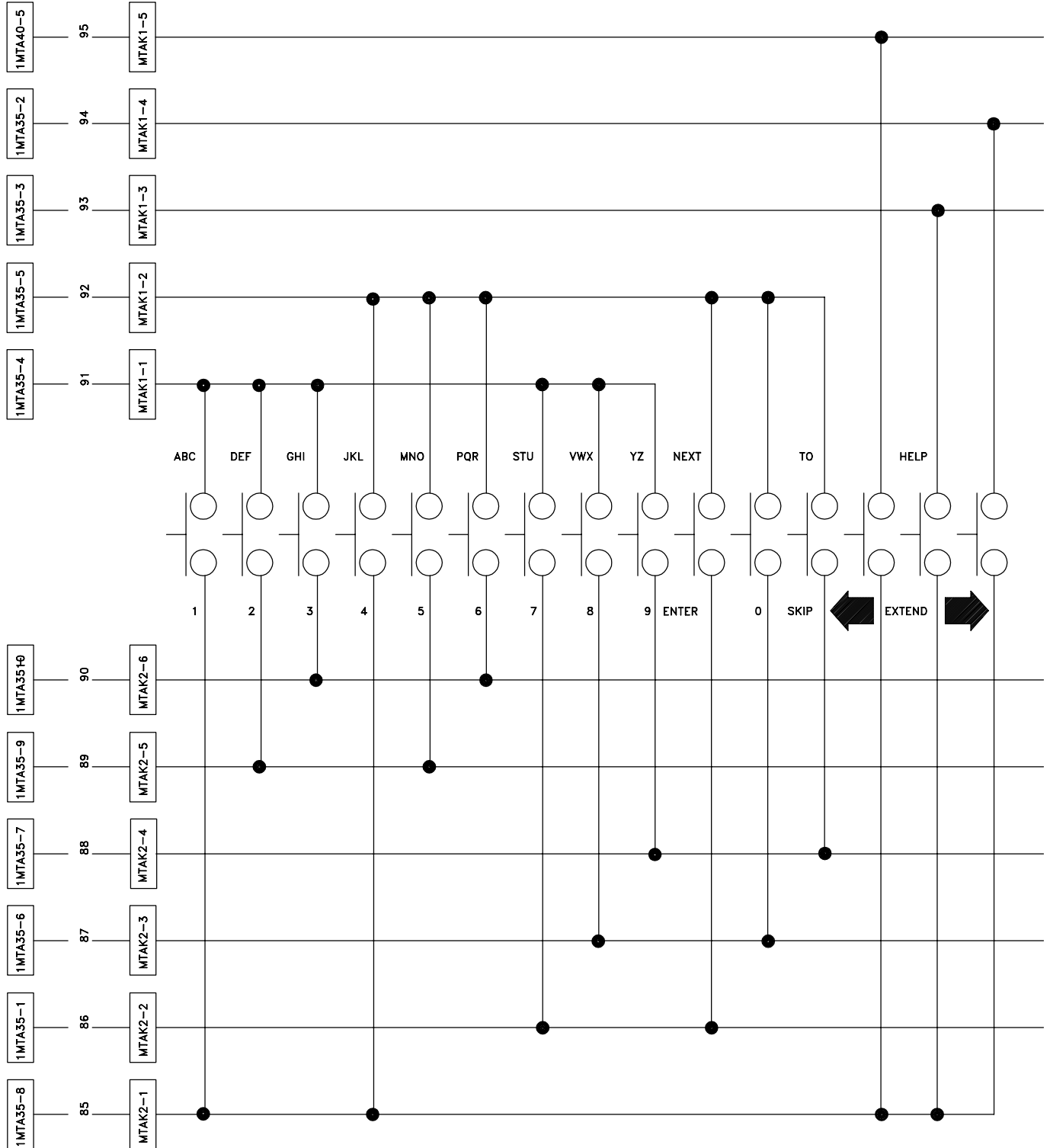
MICRO 6 SYSTEMS

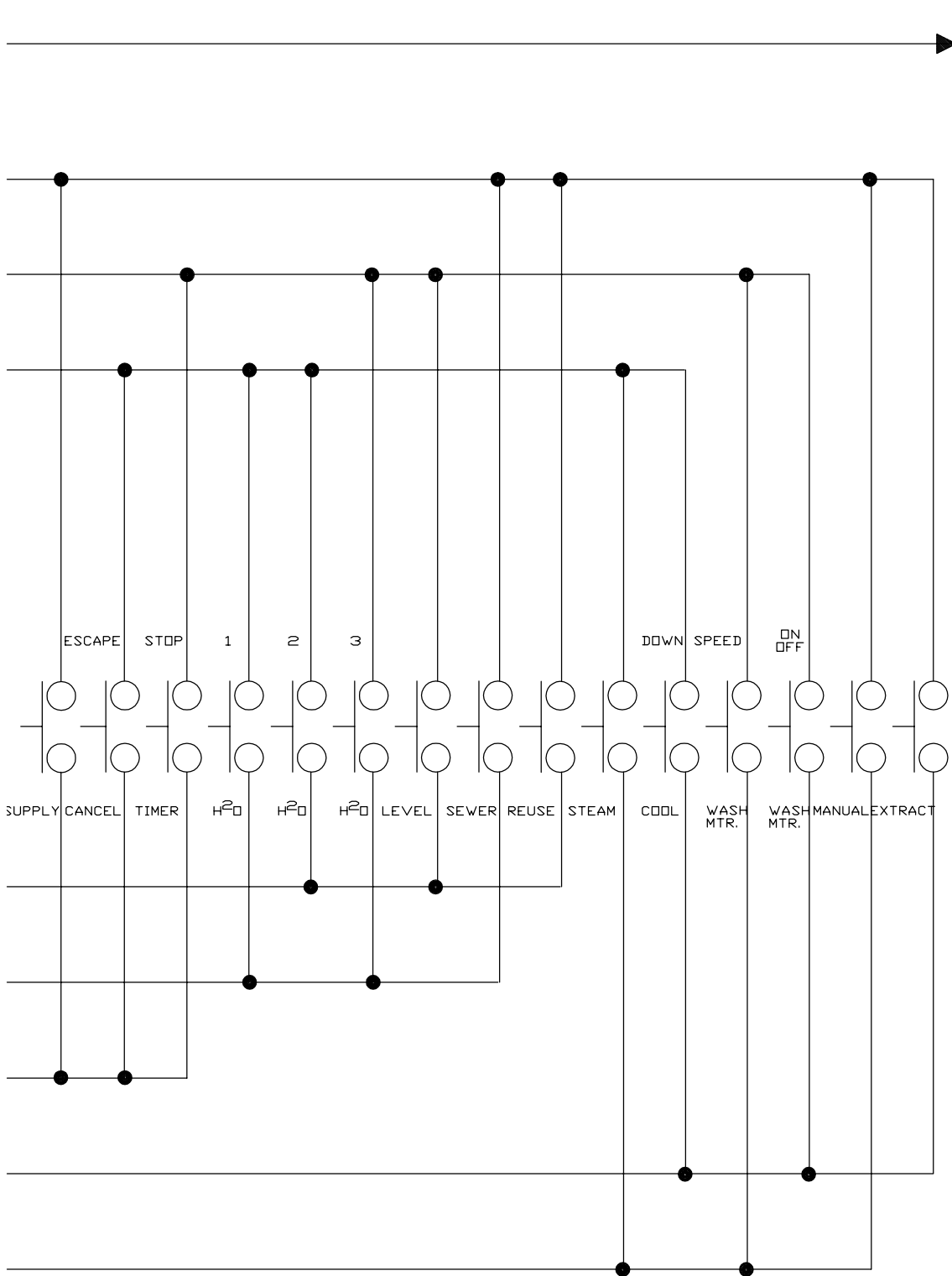
MARK V CONTROLS

186 PROCESSOR

SCHEMATIC: MICROPROCESSOR INPUTS

PELLERIN MILNOR CORPORATION





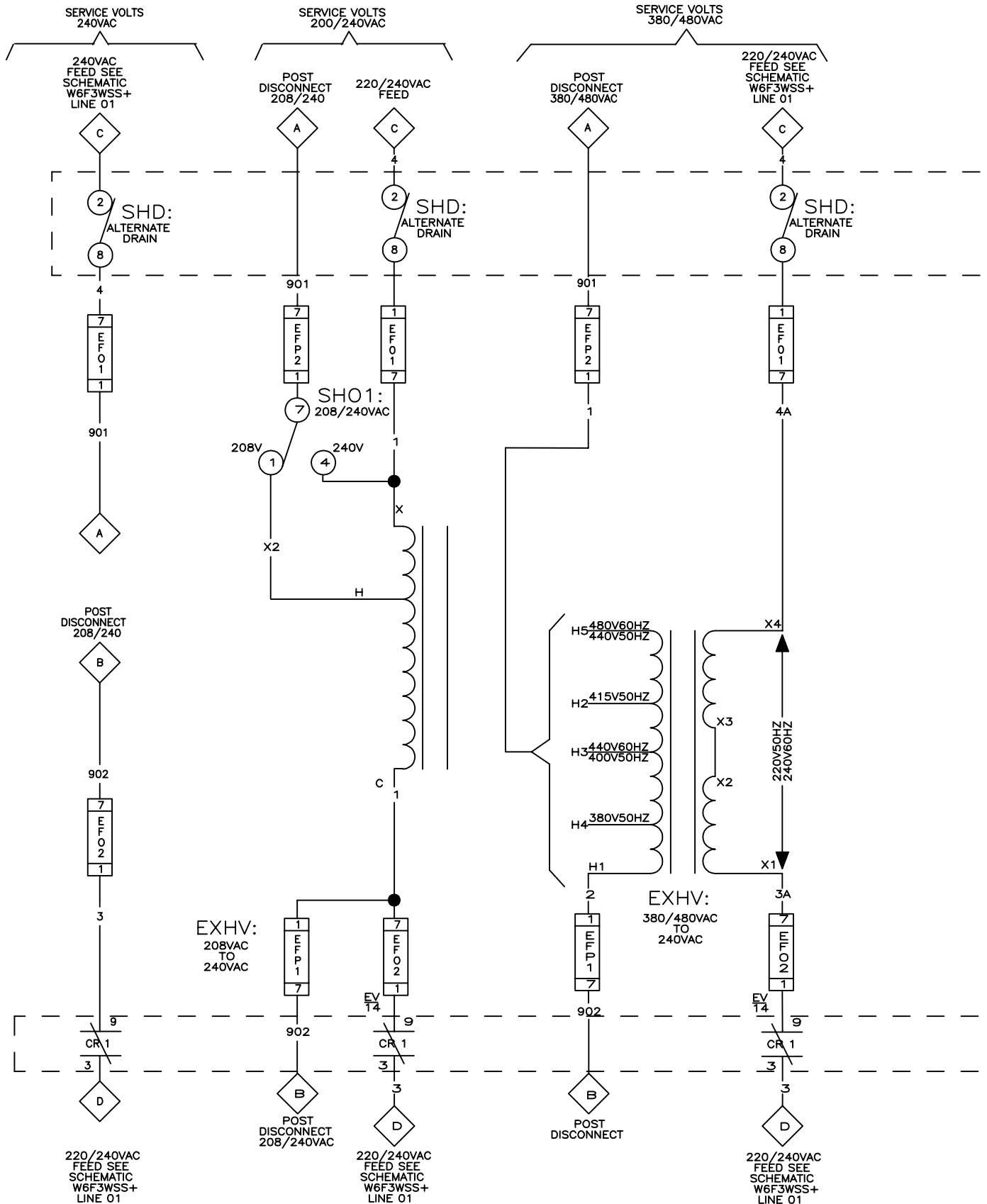
NOTES:

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

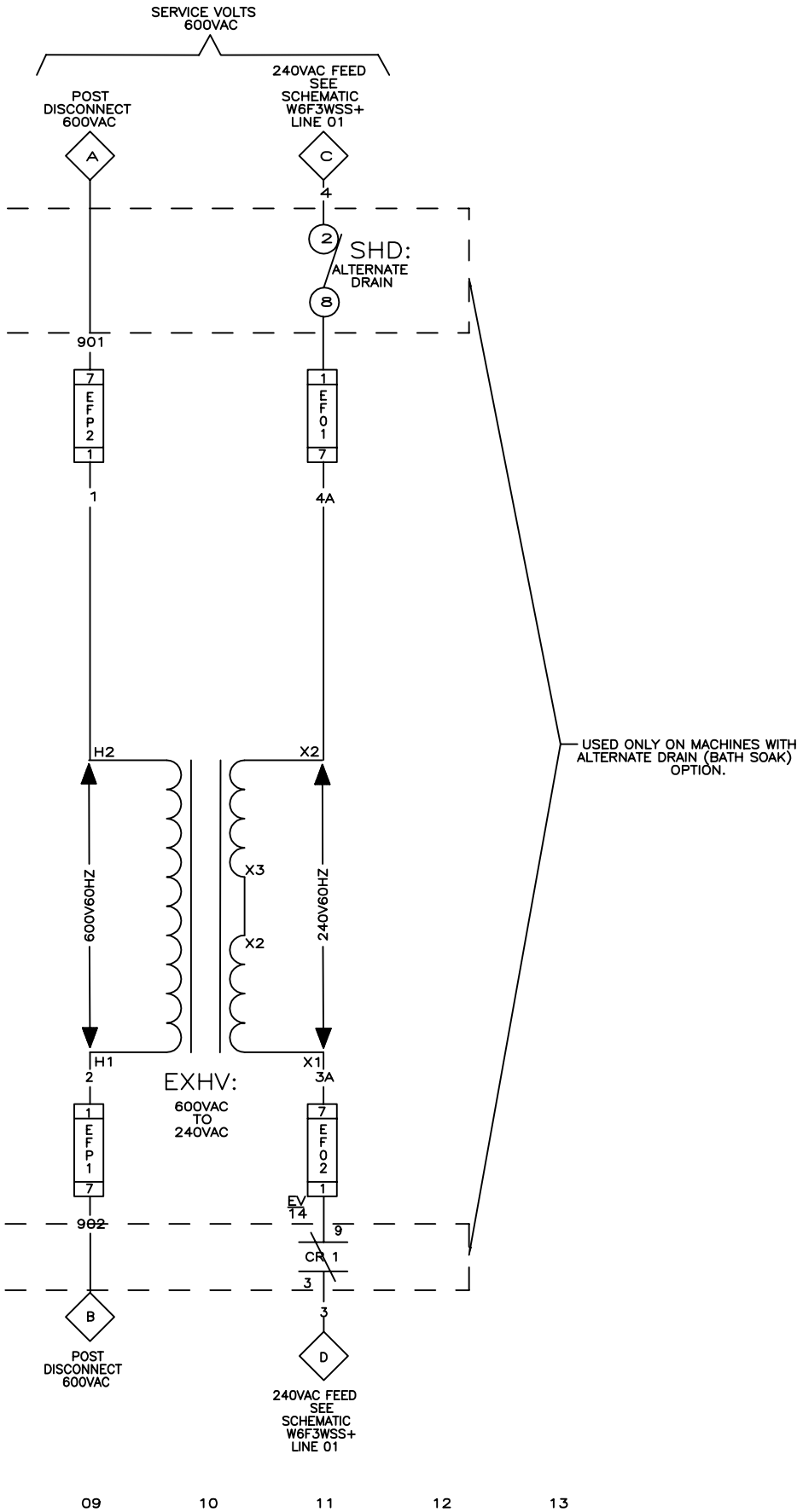
W6F3WSKP
 MICRO 6 SYSTEMS
 MARK V
 SCHEMATIC: KEYPAD (SERIAL CONTROLS)
 PELLERIN MILNOR CORPORATION

W6F3WSKP
2007482B

W6F3WSKP
2007482B



00 01 02 03 04 05 06 07 08

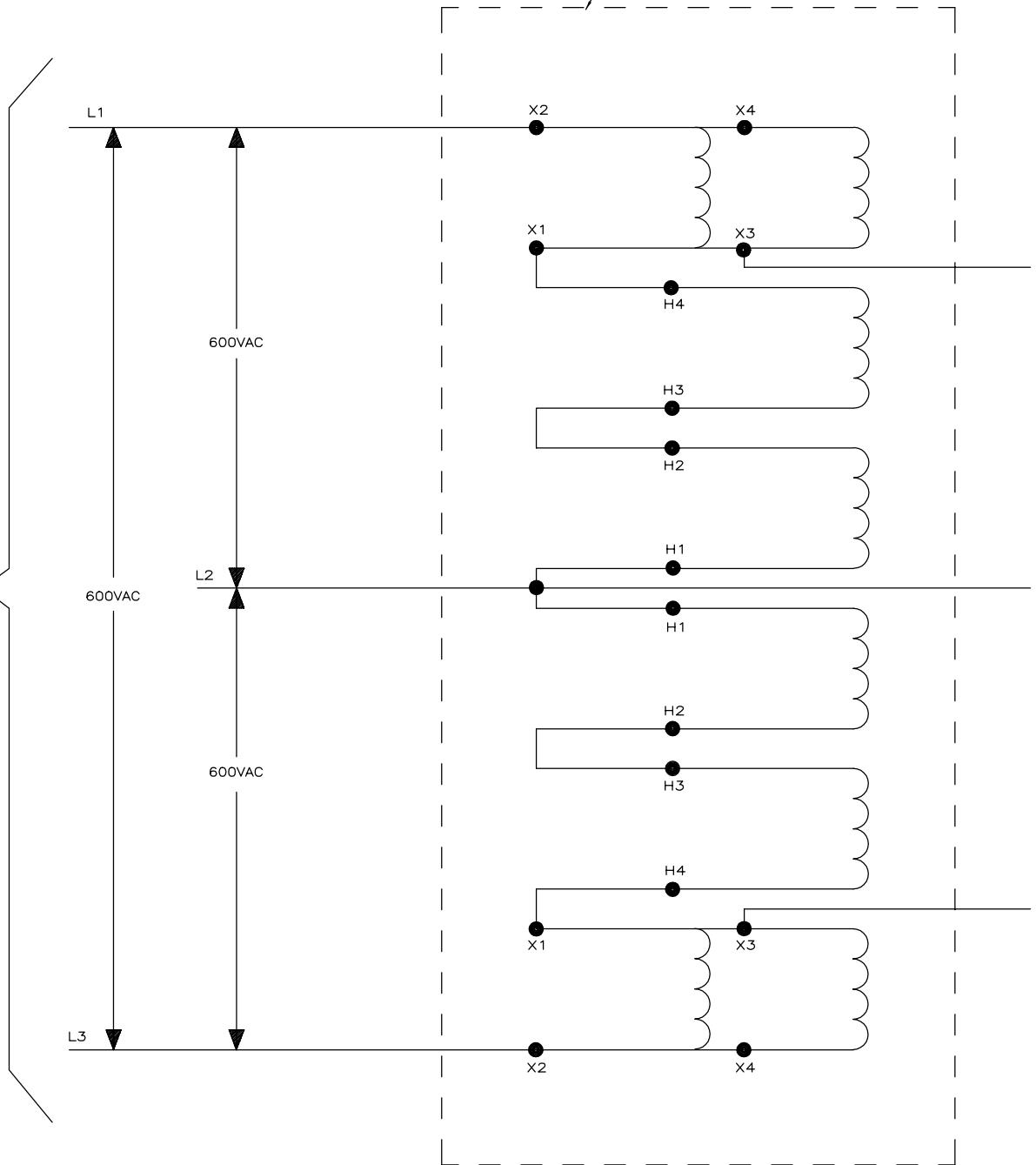


W6F3WSLV
MICRO 6 SYSTEMS MARK V
SCHEMATIC:CONTROL CIRCUIT TRANSFORMER
220V1P50HZ/240V1P60HZ

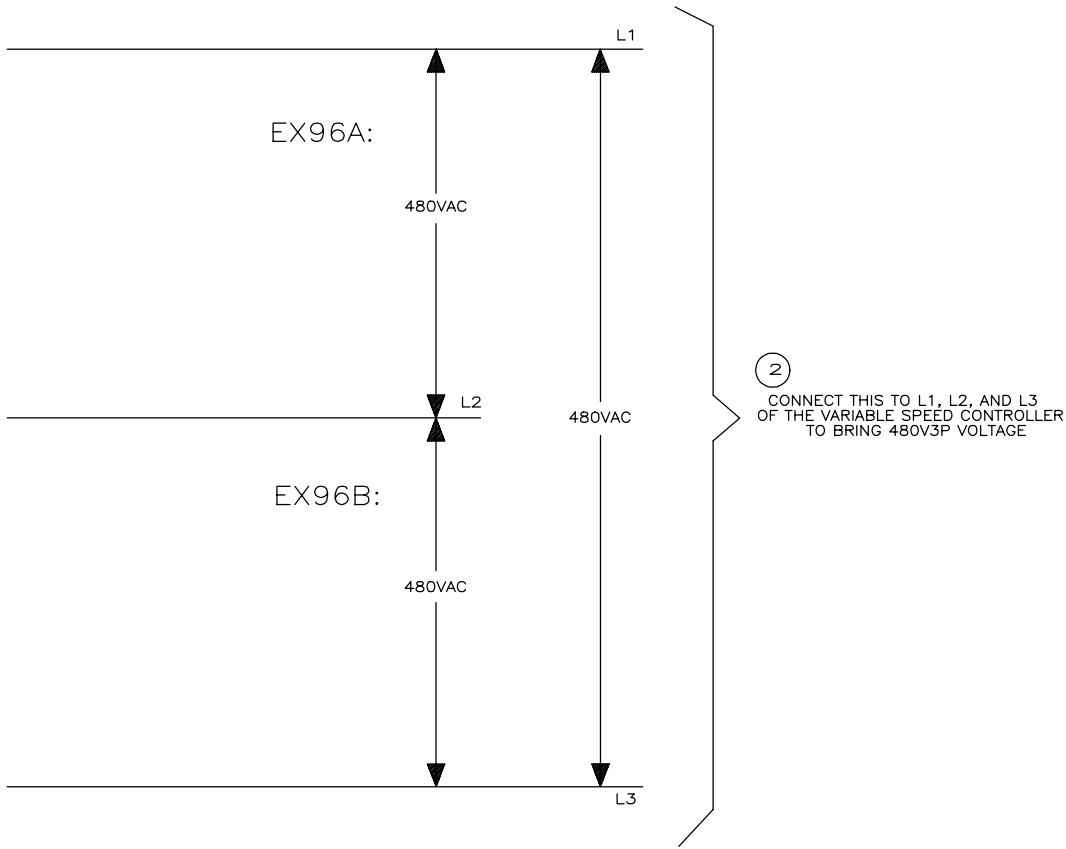
PELLERIN MILNOR CORPORATION

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

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

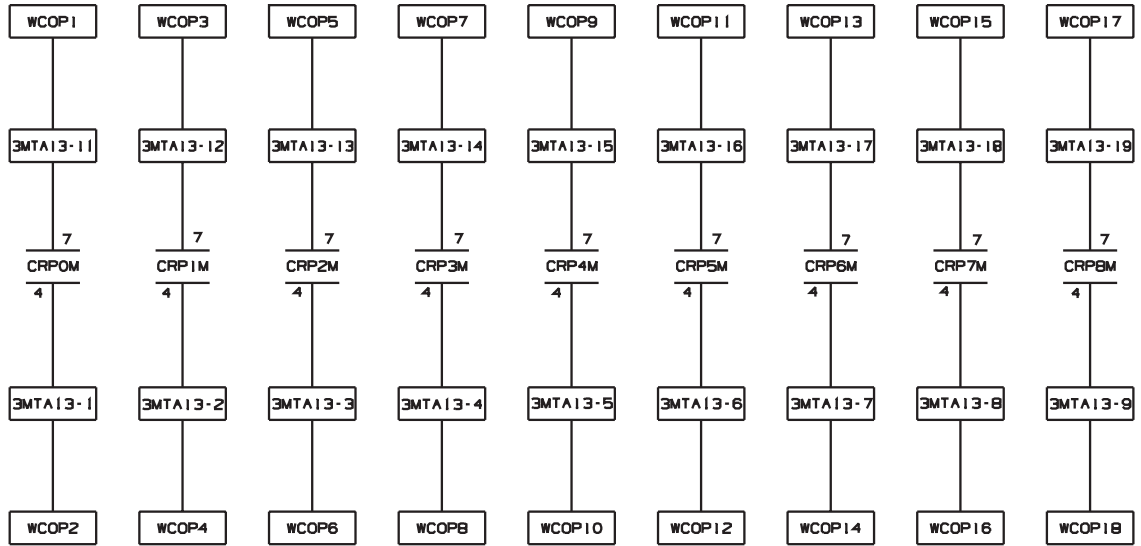


INPUT (SUPPLY SYSTEM)	DESIRED OUTPUT CONNECTION	
DELTA 3 WIRE	WYE 3 OR 4 WIRE	DO NOT USE
OPEN DELTA 3 WIRE	WYE 3 OR 4 WIRE	DO NOT USE
WYE 3 OR 4 WIRE	CLOSED DELTA 3 WIRE	DO NOT USE
WYE 4 WIRE	WYE 3 OR 4 WIRE	OK
WYE 3 OR 4 WIRE	OPEN DELTA 3 WIRE	OK
CLOSED DELTA 3 WIRE	OPEN DELTA 3 WIRE	OK

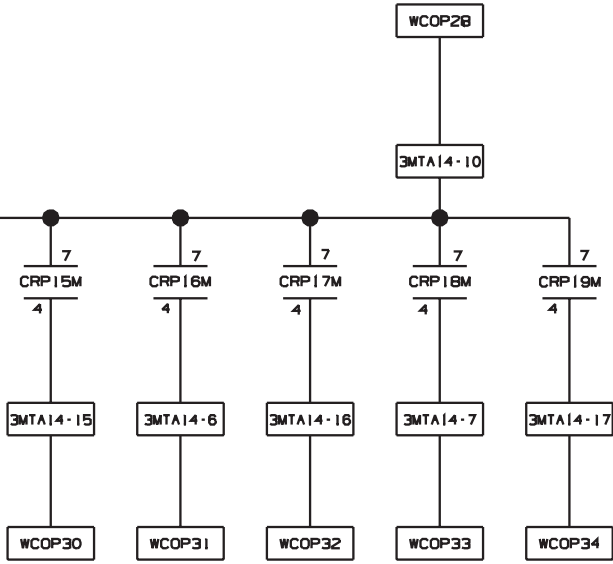
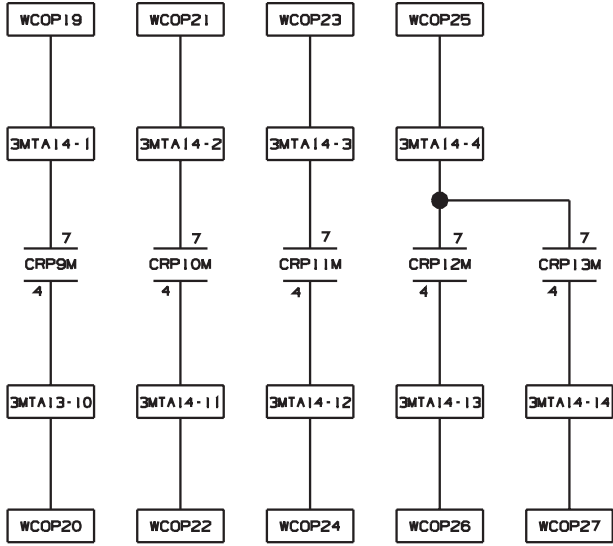


W6F3WSMT6
MICRO 6 SYSTEMS
MARK V CONTROLS
SCHEMATIC: 600V MACHINES
600V TO 480 VOLT STEP DOWN
PELLERIN MILNOR CORPORATION

W6F3WSMT6
2003124B



00 01 02 03 04 05 06 07 08 09



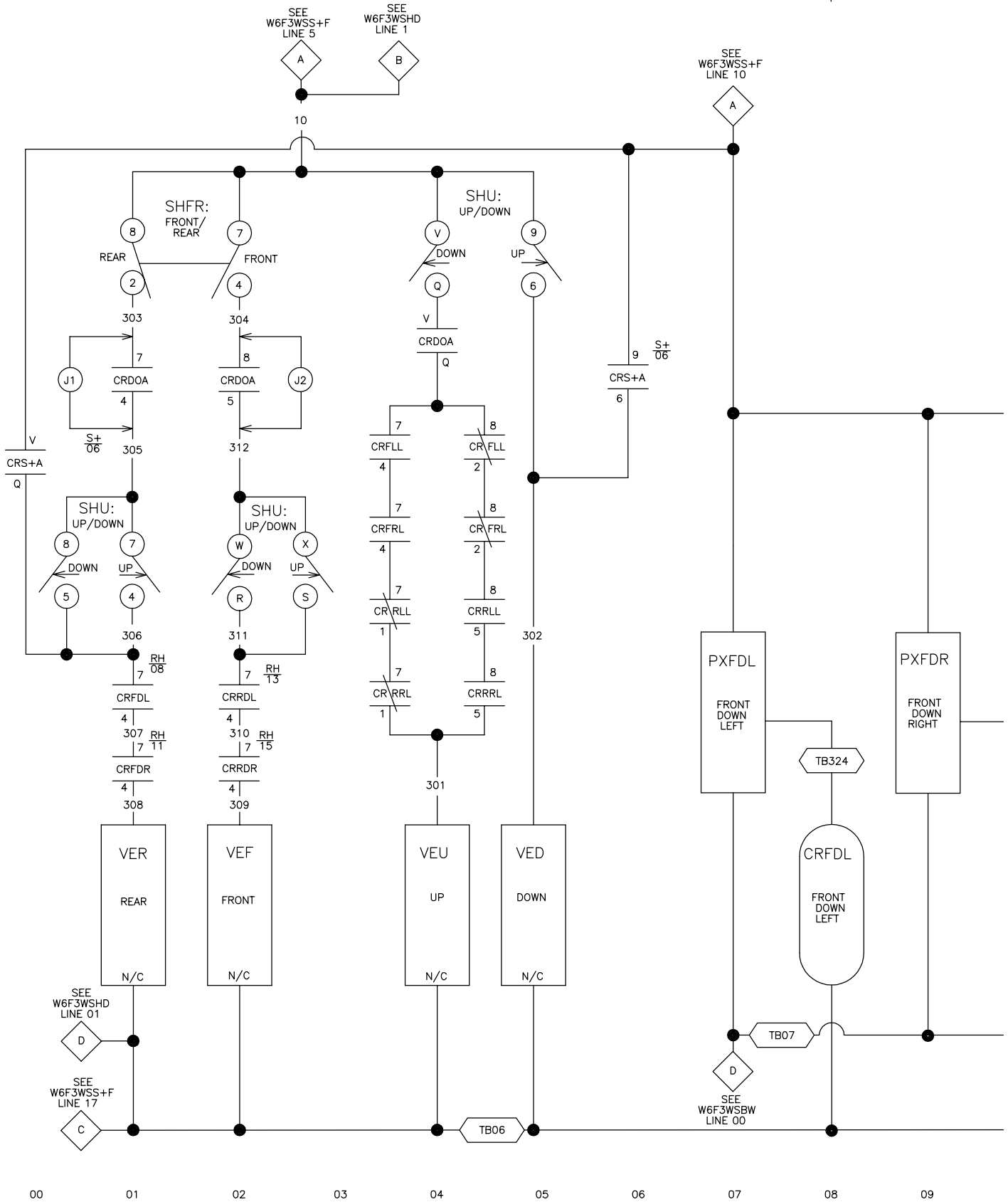
10 11 12 13 14 15 16 17

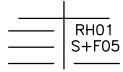
W6F3WSOP

MICRO 6 SYSTEMS SERIAL CONTROLS SCHEMATIC: 20 OPTIONAL PROGRAMMABLE OUTPUTS

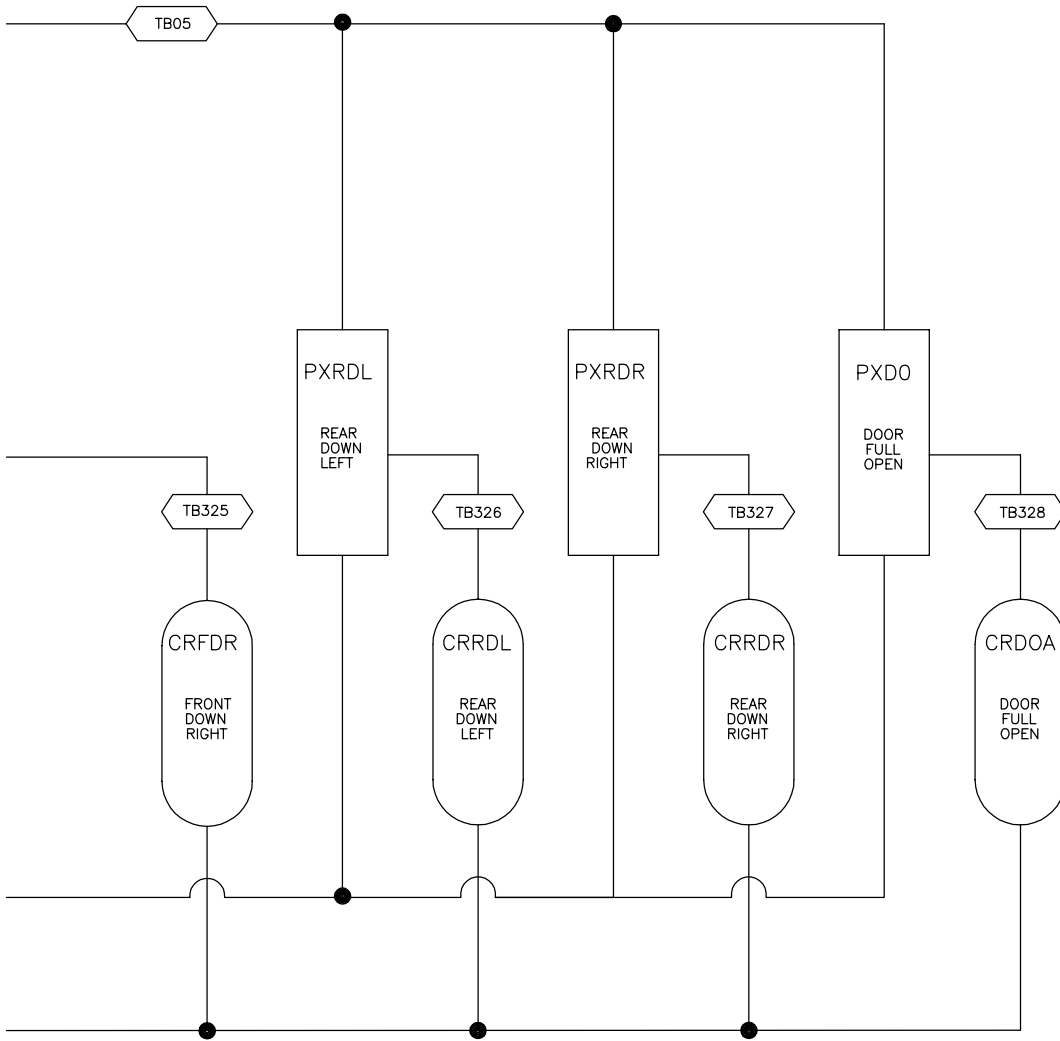
PELLERIN MILNOR CORPORATION

RH01
S+F05





W6F3WSRH
2008014B



W6F3WSRH
MICRO 6 SYSTEMS
MARK V CONTROLS
SCHEMATIC; RAISE HOUSE
FOR 48040 F7N ONLY
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION

REMOVE (1)
FOR AUTO DOOR OPTION

10

11

12

13

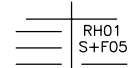
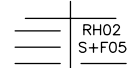
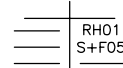
14

15

16

17

W6F3WSRH
2008014B



SEE W6F3WSS+F LINE 5

SEE W6F3WSHD LINE 1



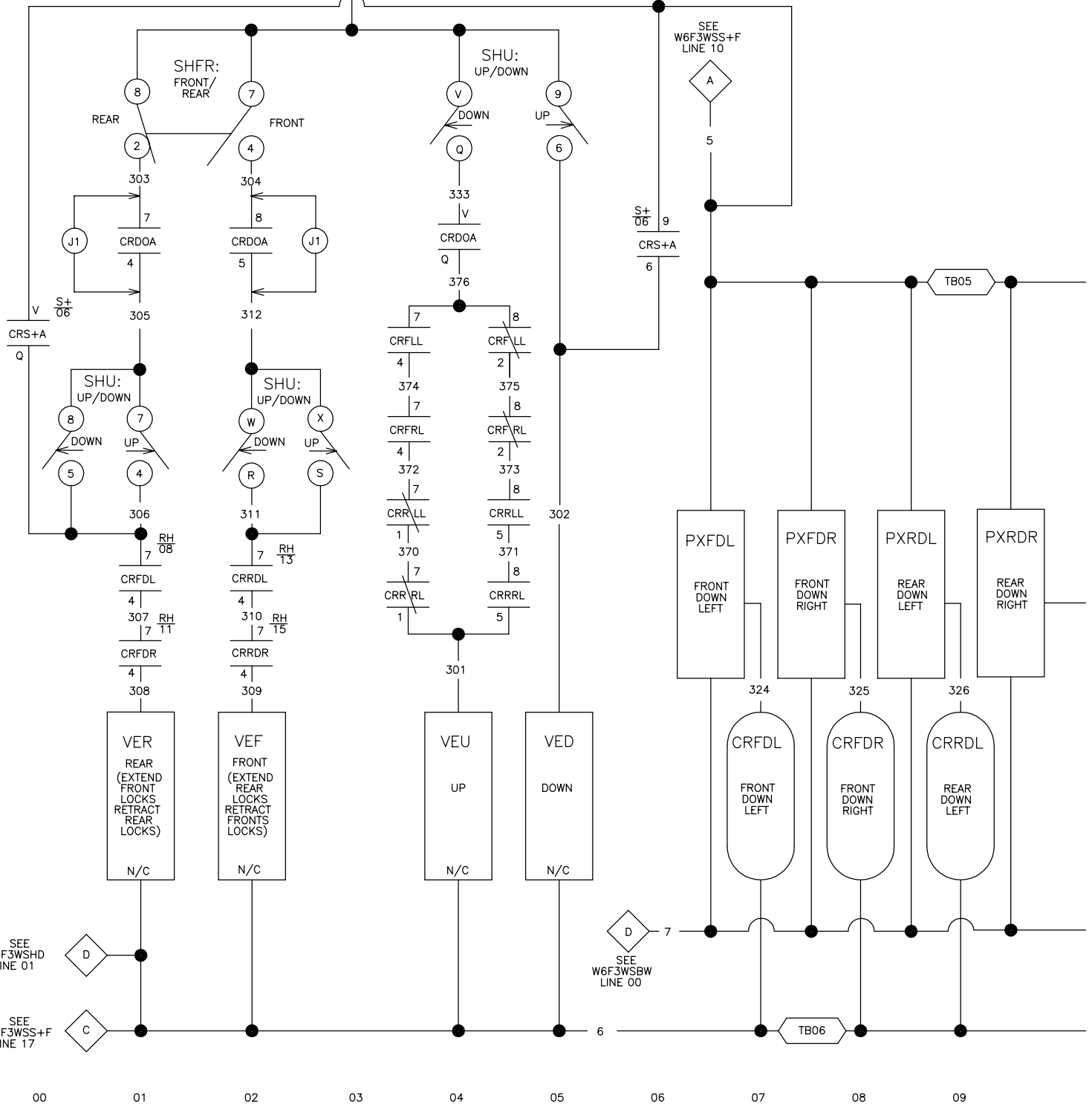
10

SEE W6F3WSS+F LINE 10



5

S+ 06 9
CRS+A 6



SEE W6F3WSHD LINE 01



SEE W6F3WSS+F LINE 17



SEE W6F3WSBW LINE 00

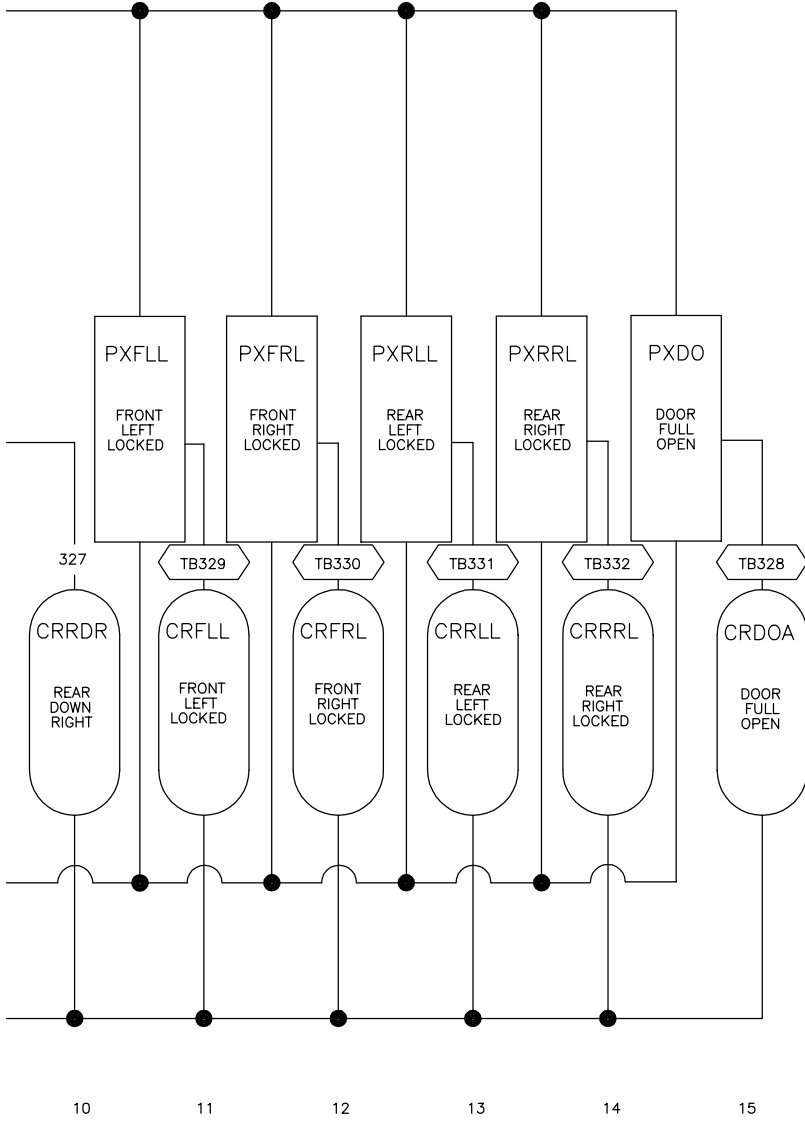


00 01 02 03 04 05 06 07 08 09

RH02
S+F05

RHA01
RHA02
RHA04

W6F3WSRHA
2006084B

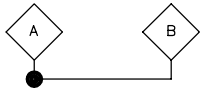


W6F3WSRHA
MICRO 6 SYSTEMS
MARK V CONTROLS
SCHEMATIC; RAISE HOUSE
FOR 6836 F5N ONLY
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION

REMOVE (J1)
FOR AUTO DOOR OPTION

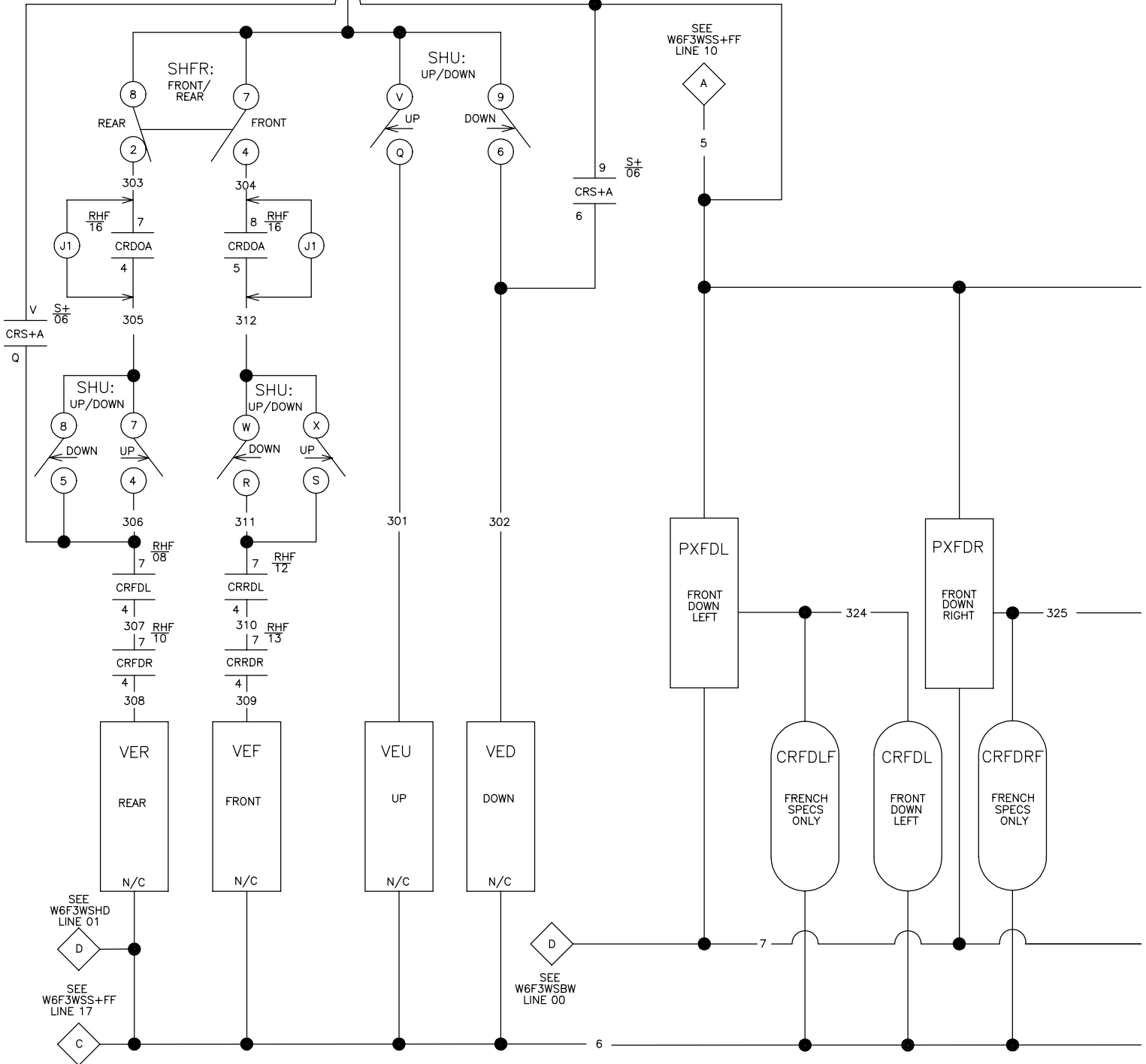


SEE W6F3WSS+FF LINE 5



10

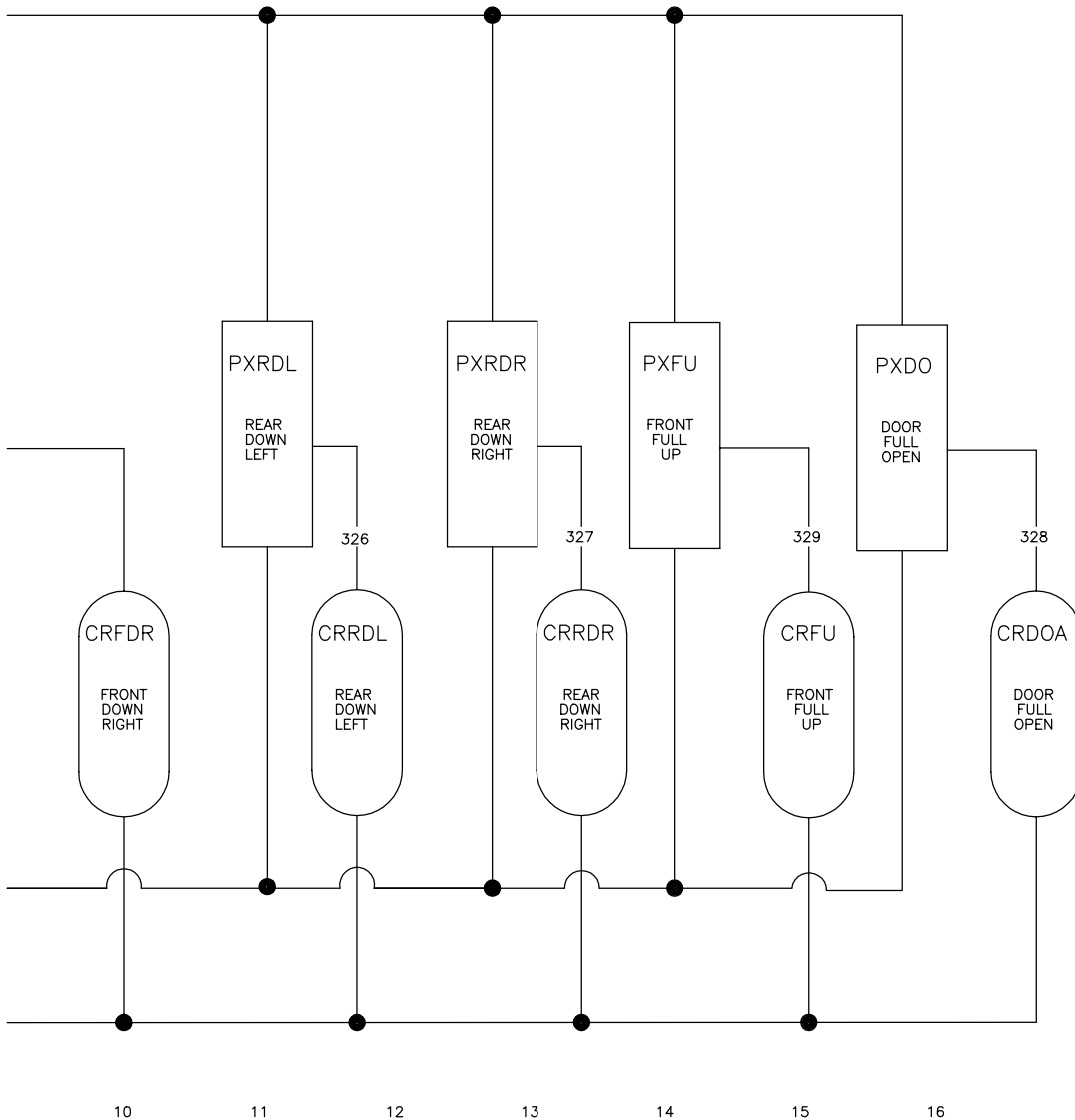
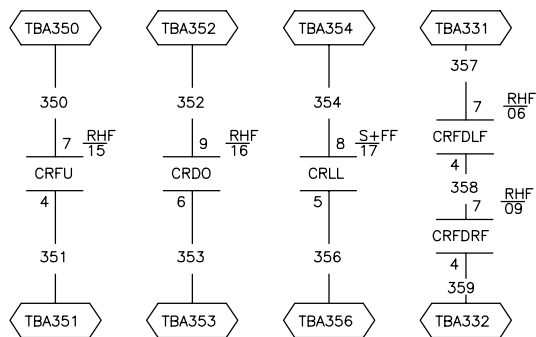
SEE W6F3WSS+FF LINE 10



00 01 02 03 04 05 06 07 08 09



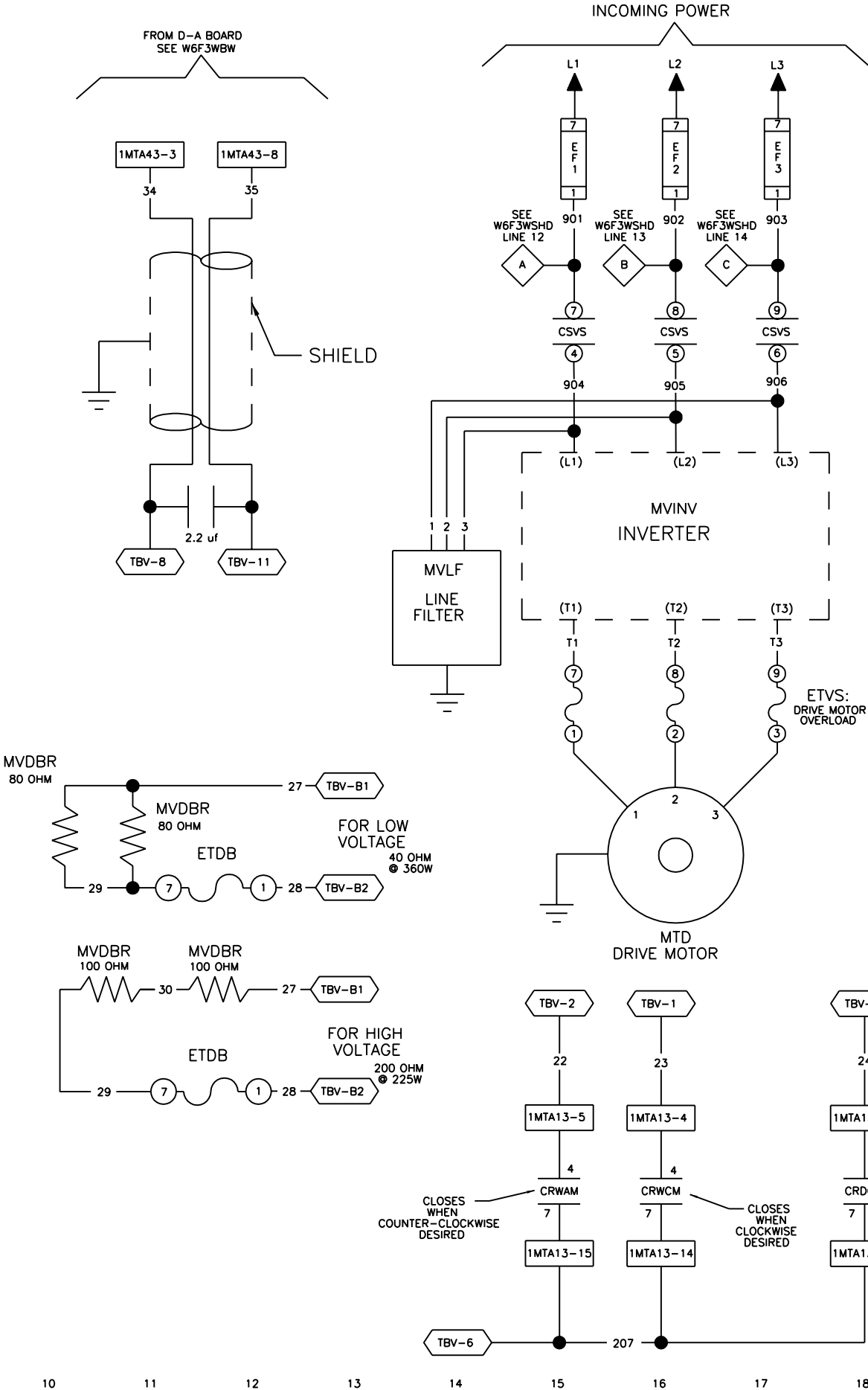
W6F3WSRHF
2005174B



REMOVE (J1)
FOR AUTO DOOR OPTION

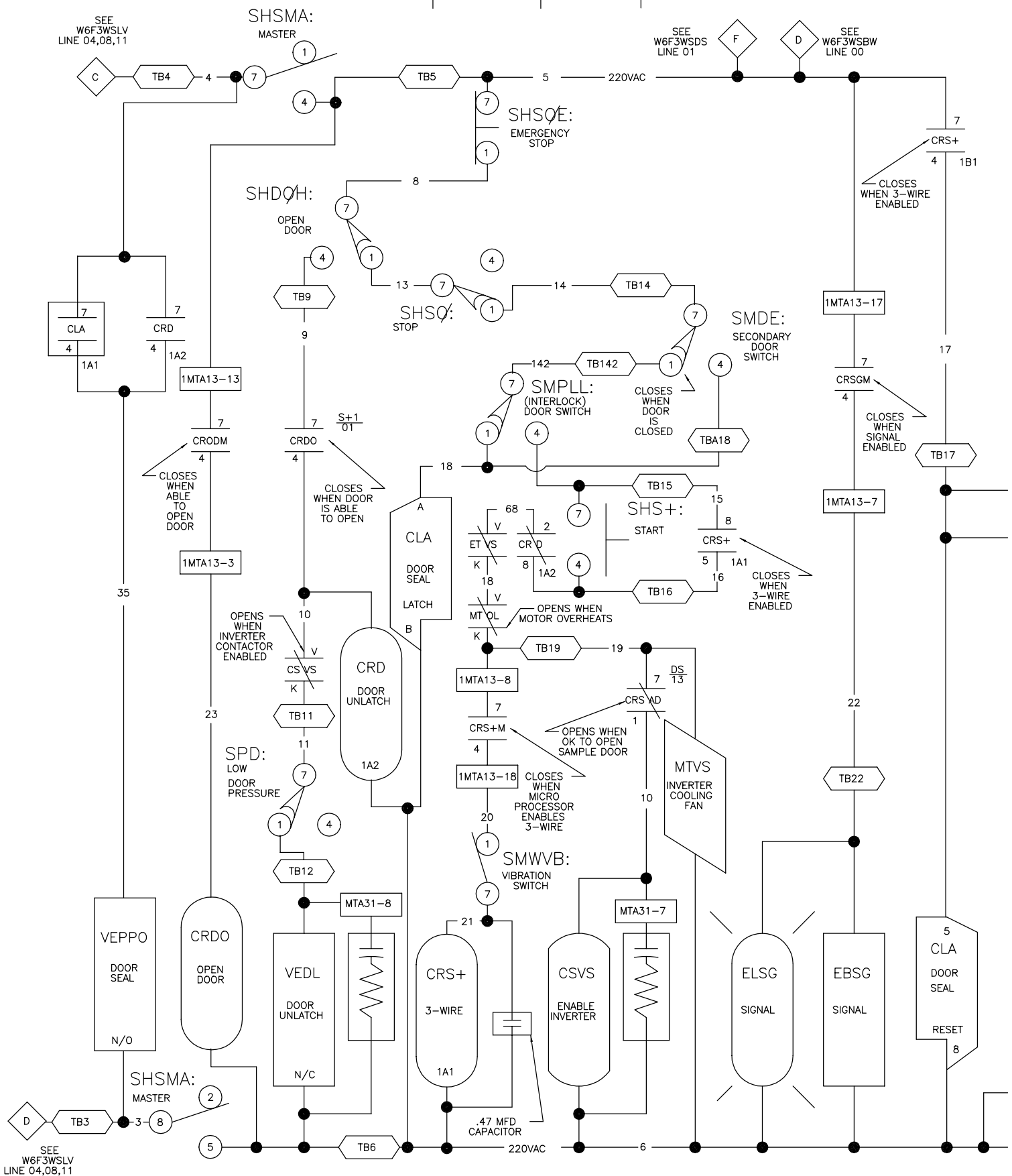
W6F3WSRHF
 MICRO 6 SYSTEMS
 MARK V CONTROLS
 SCHEMATIC; RAISE HOUSE
 FOR 48040 F7N WITH FRENCH MODS ONLY

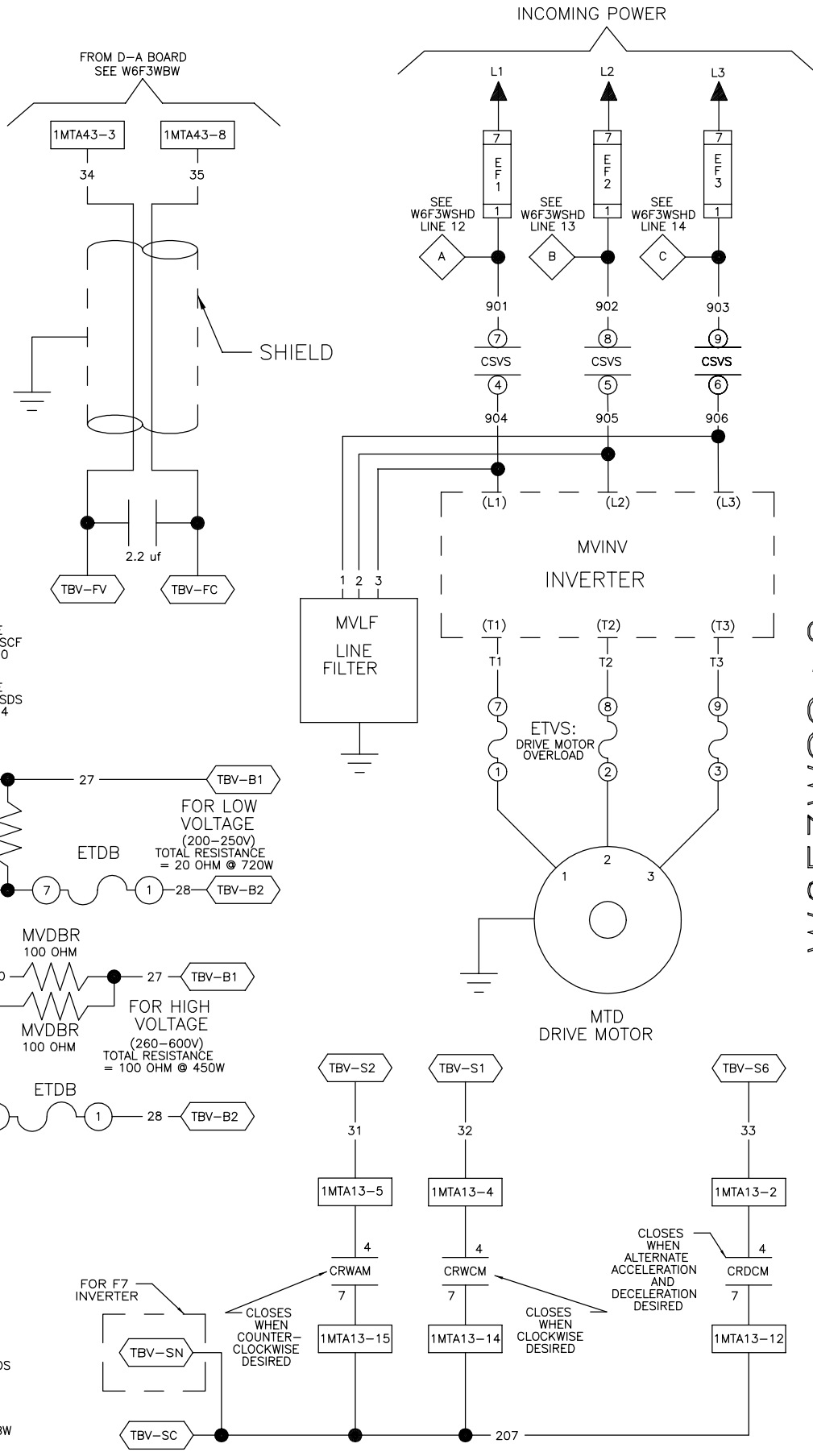
220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION



W6F3WSS+1
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 3022 J8P ONLY
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

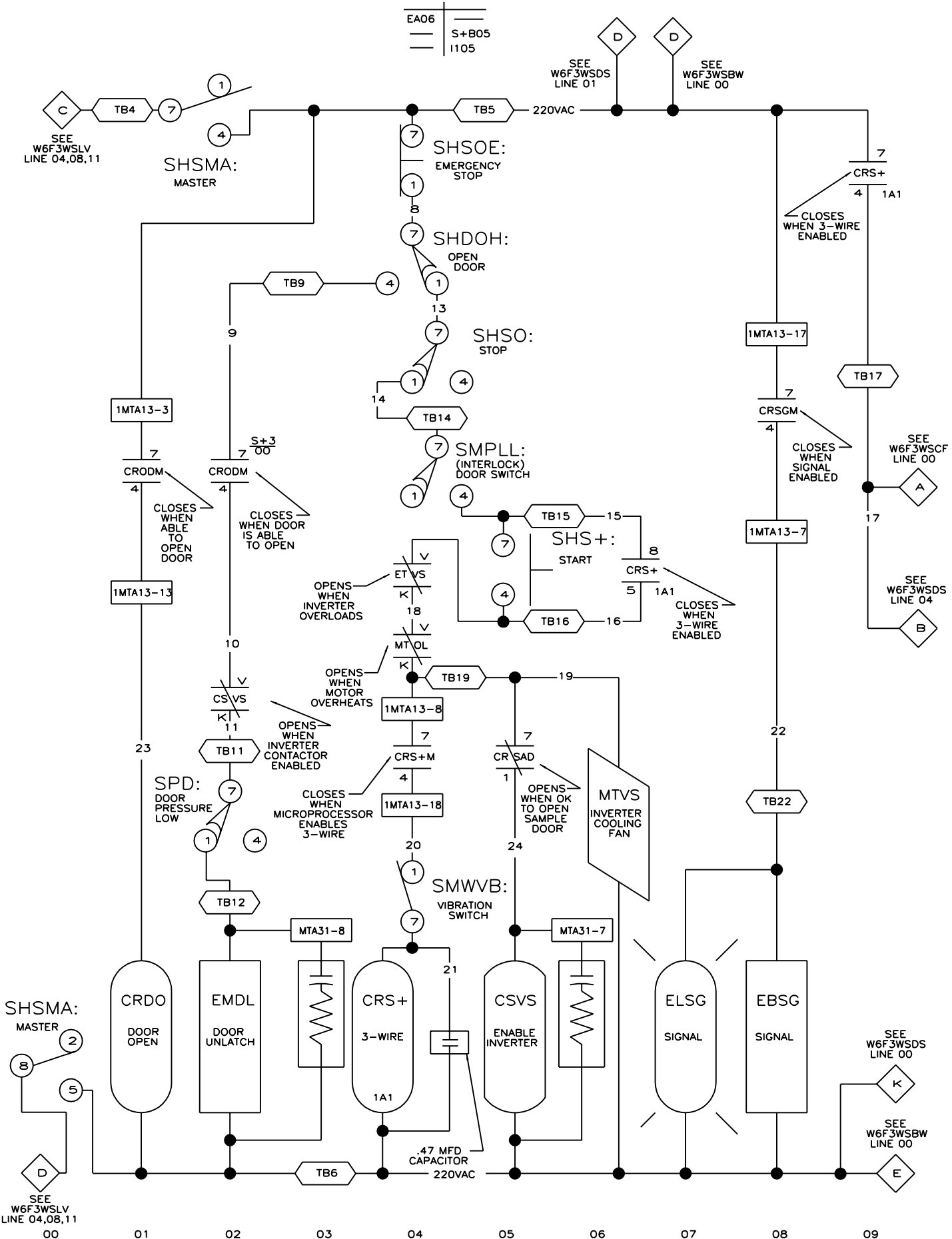
S+A01	S+A00	EA06	S+A08 S+A06 I104
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W6F3WSS+2
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 42032 J7P
 WITH GPD505 F7 INVERTER
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

EA06
S+B05
1105



SEE W6F3WSLV LINE 04,08,11

SHSMA: MASTER

SHSOE: EMERGENCY STOP

SHDOH: OPEN DOOR

SHSO: STOP

SMPLL: (INTERLOCK) DOOR SWITCH

SHS+: START

SMWVB: VIBRATION SWITCH

SHSMA: MASTER

CRDO
DOOR OPEN

EMDL
DOOR UNLATCH

CRS+
3-WIRE

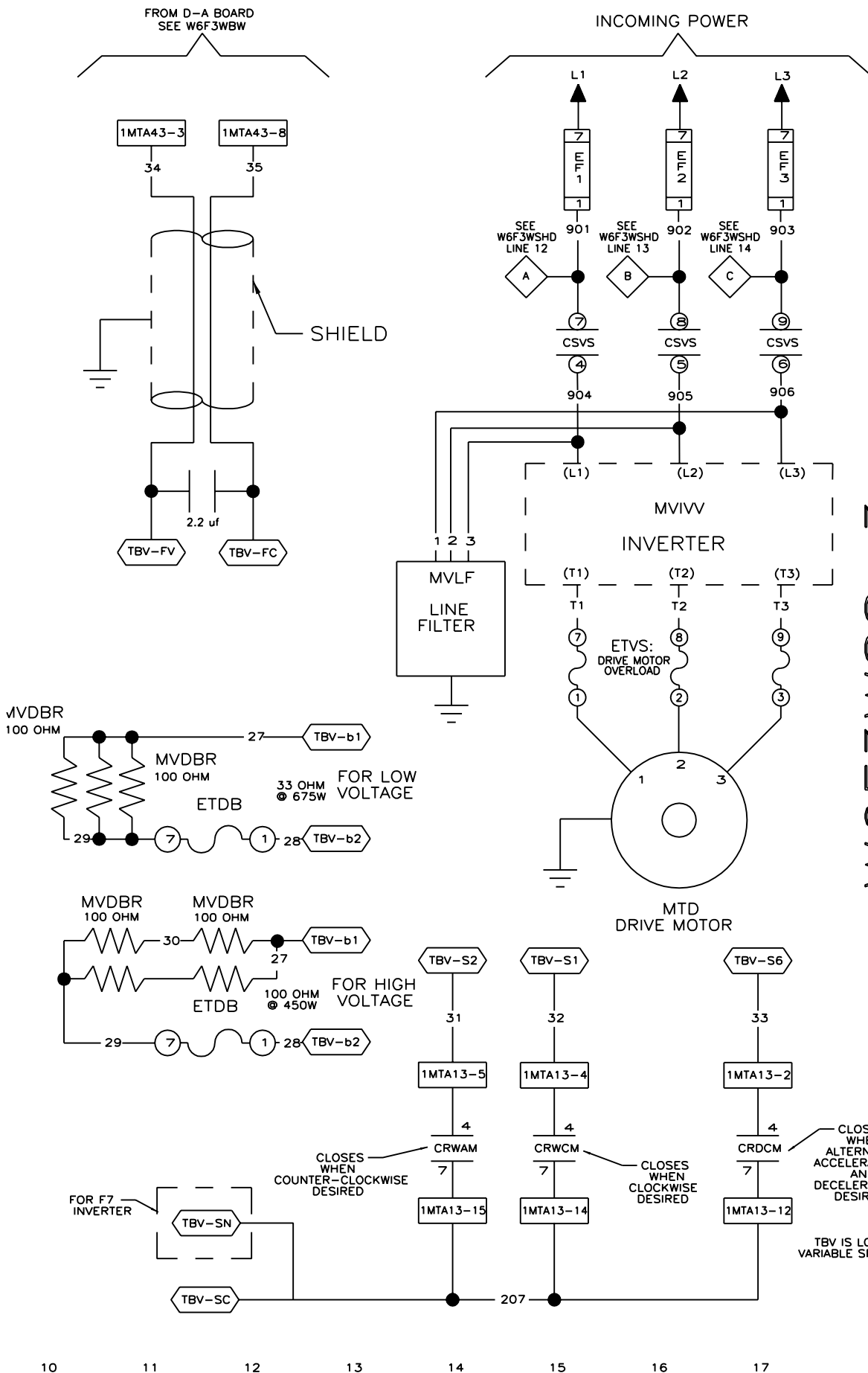
CSVS
ENABLE INVERTER

ELSG
SIGNAL

EBSG
SIGNAL

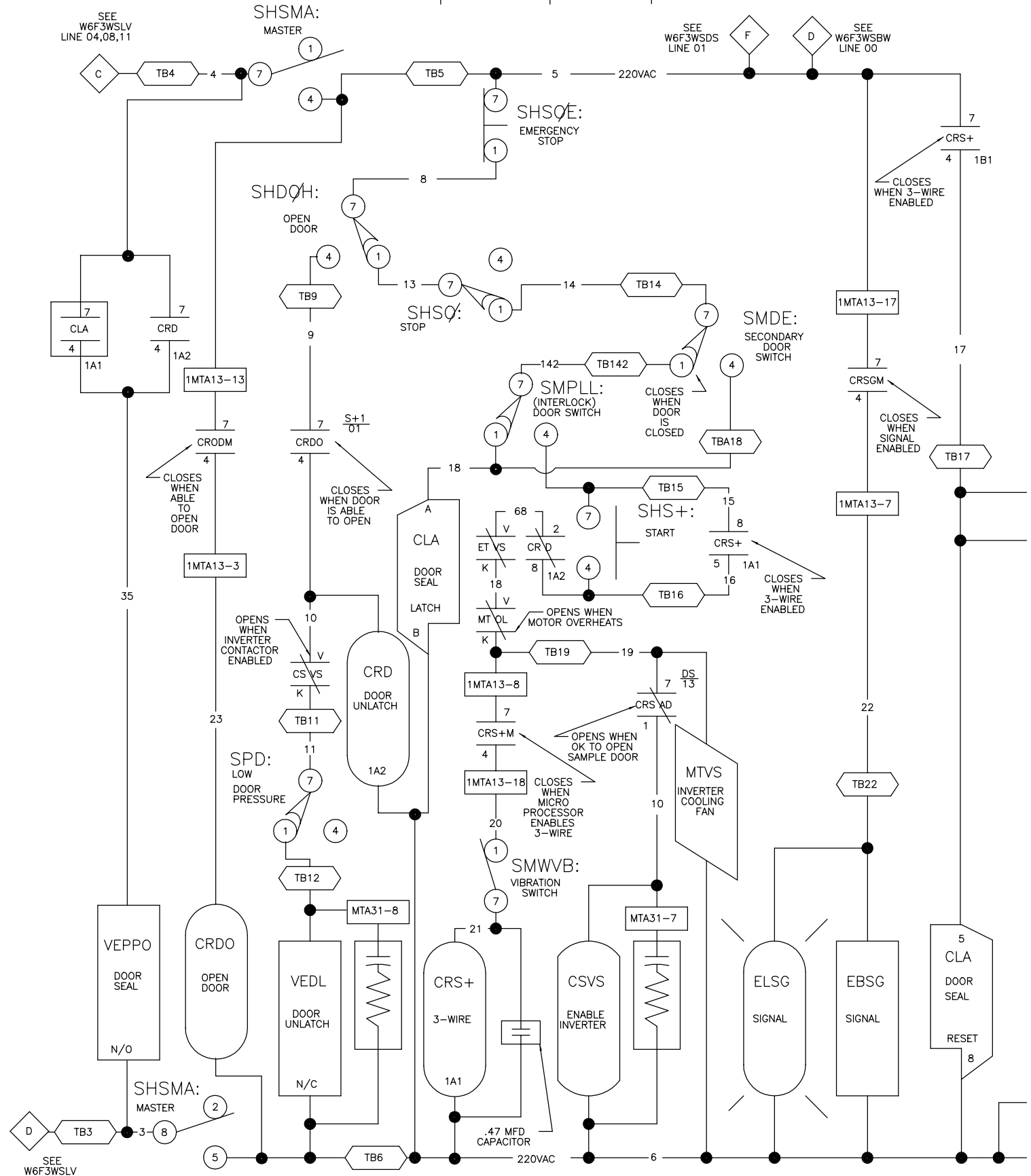
SEE W6F3WSDS LINE 00

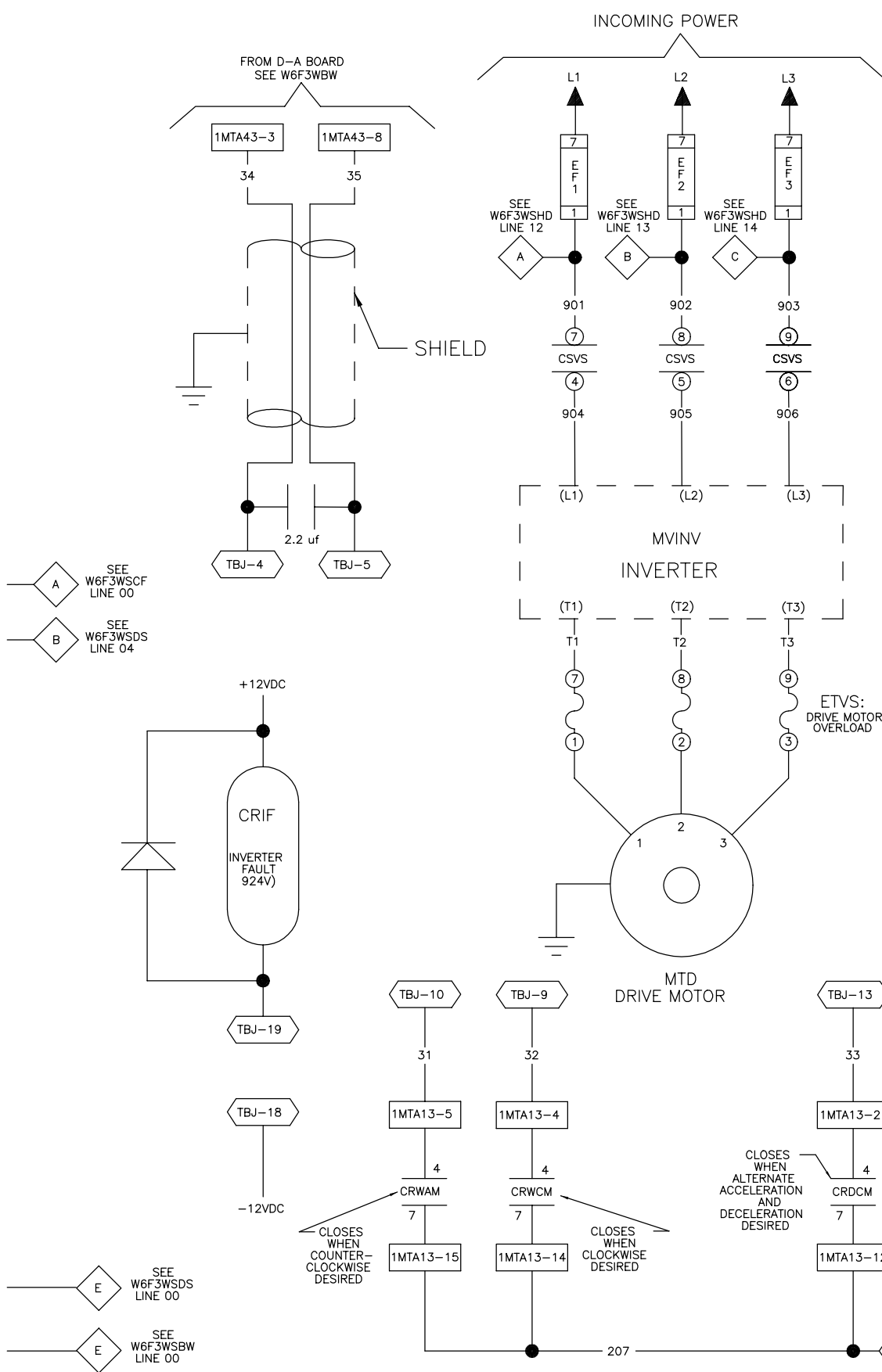
SEE W6F3WSBW LINE 00



W6F3WSS+3
 MICRO 6 SYSTEMS MARK V
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 3630 J8P ONLY
 MODIFIED FOR GPD505 F7 INVERTER
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

S+A01	S+A00	EA06	S+A08
			S+A06
			I104

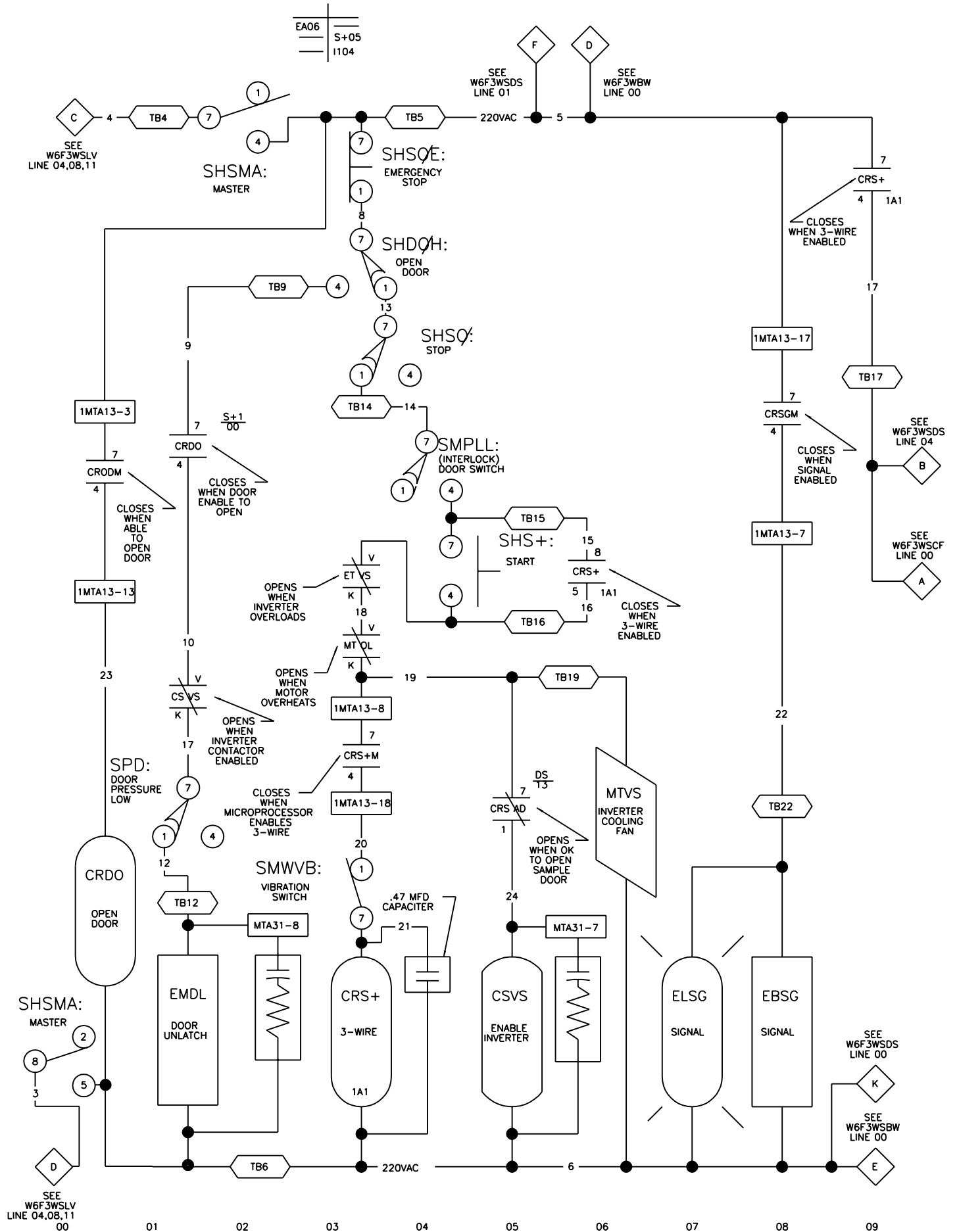




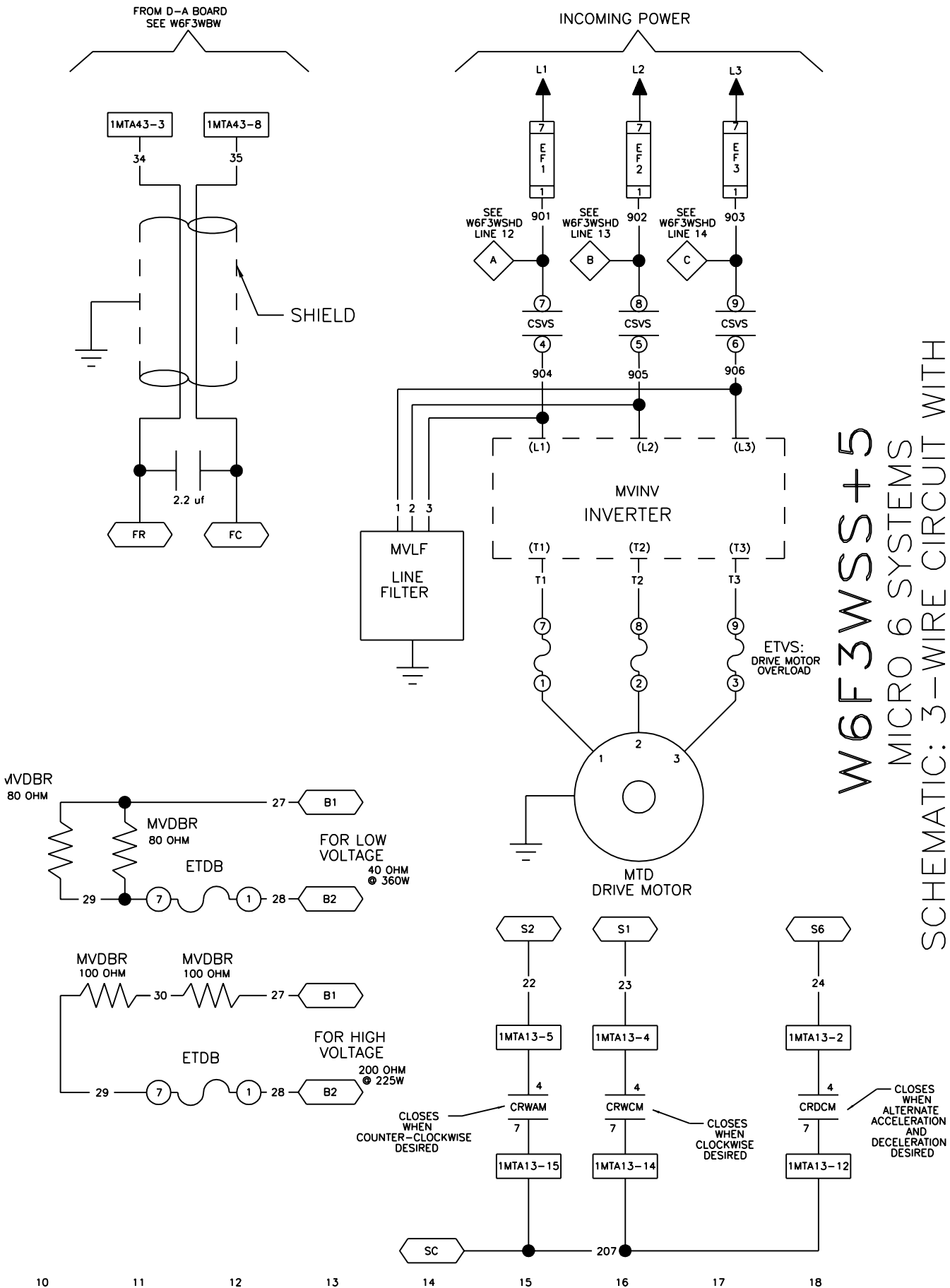
W6F3WSS+4
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 42032 J7P
 WITH BALDOR INVERTER
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

A SEE W6F3WSCF LINE 00
 B SEE W6F3WSDS LINE 04

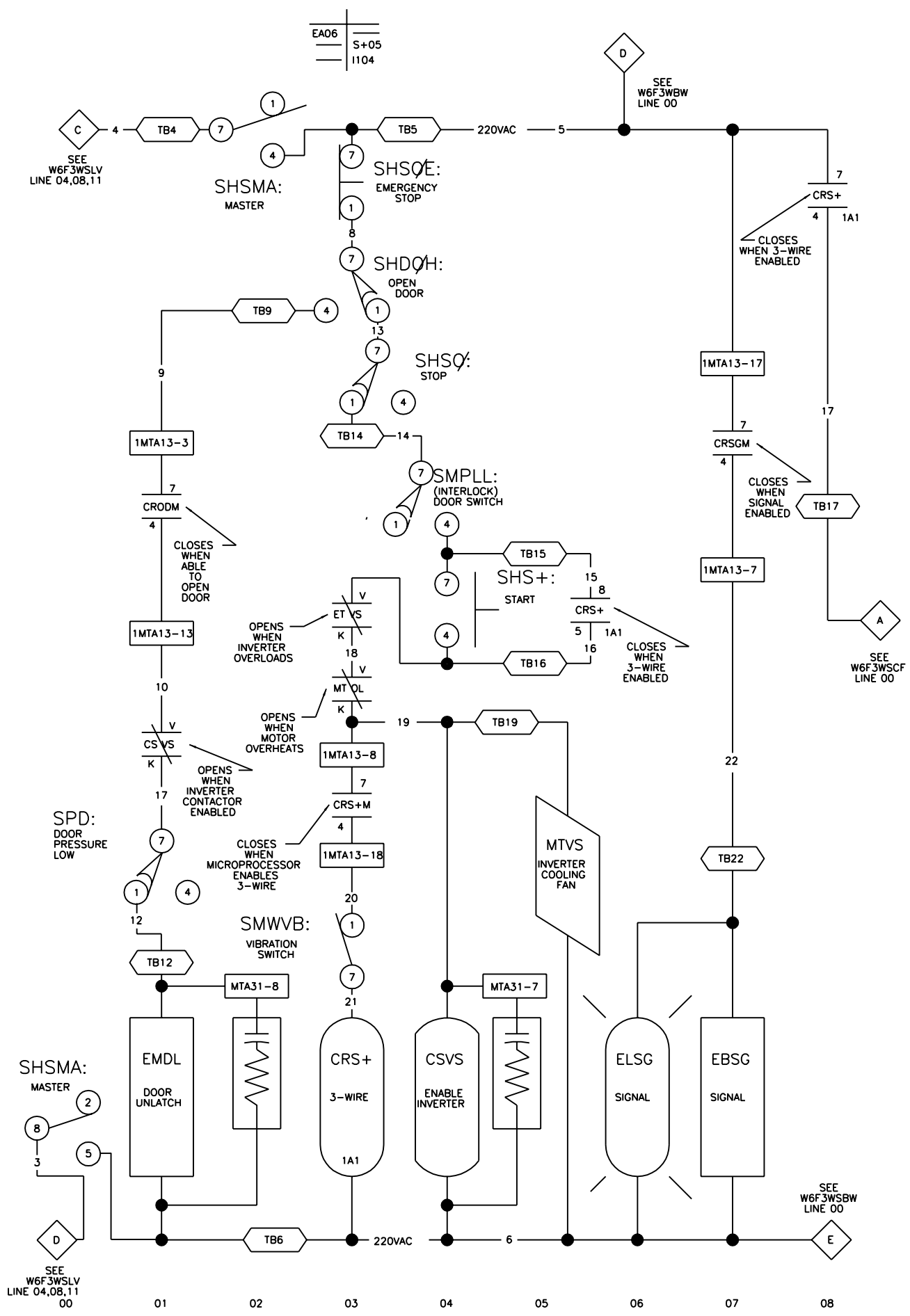
E SEE W6F3WSDS LINE 00
 E SEE W6F3WSBW LINE 00



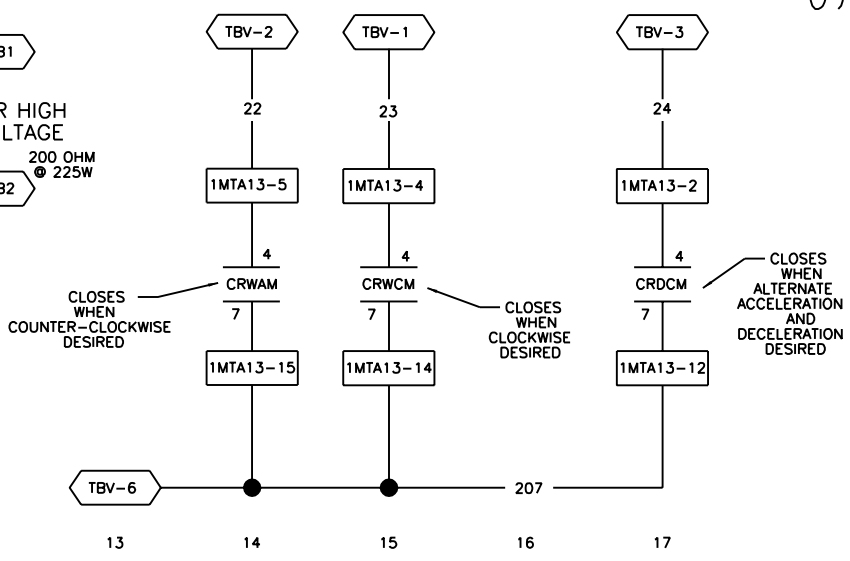
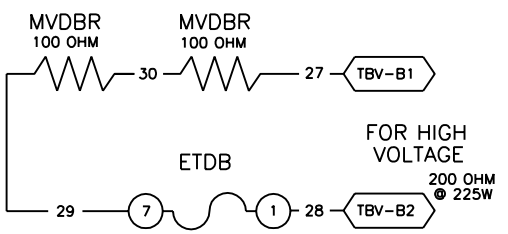
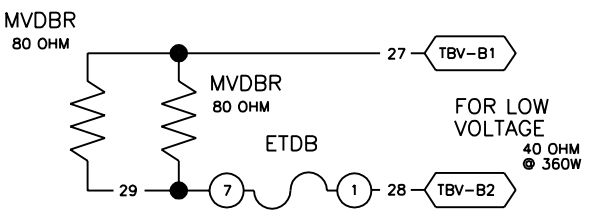
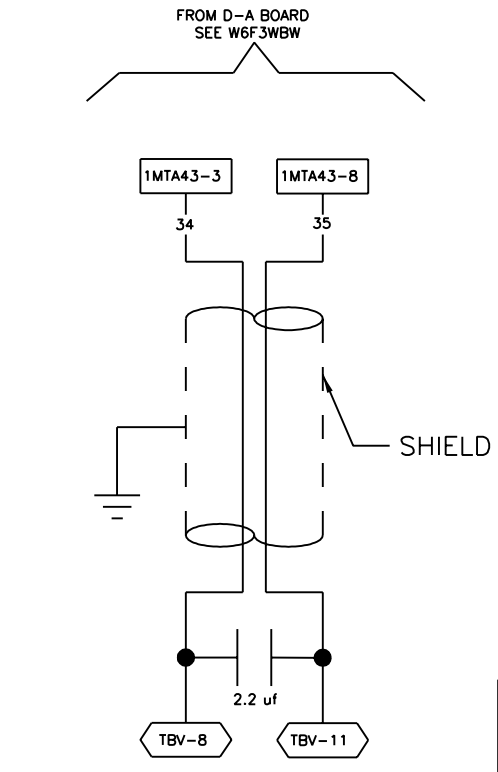
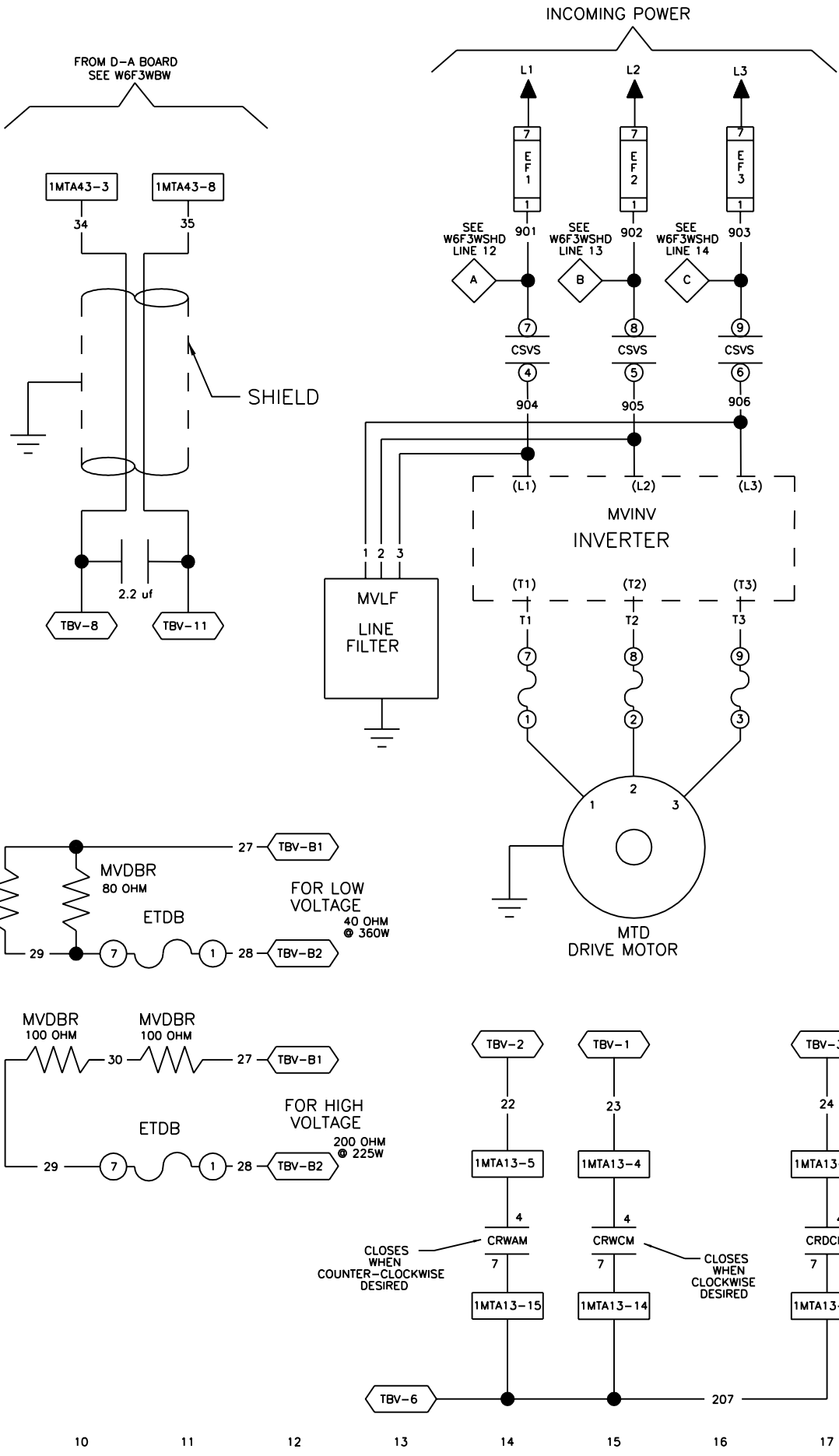
W6F3WSS+5
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT WITH
 GPD 515 INVERTER FOR 3022 J8P ONLY
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION



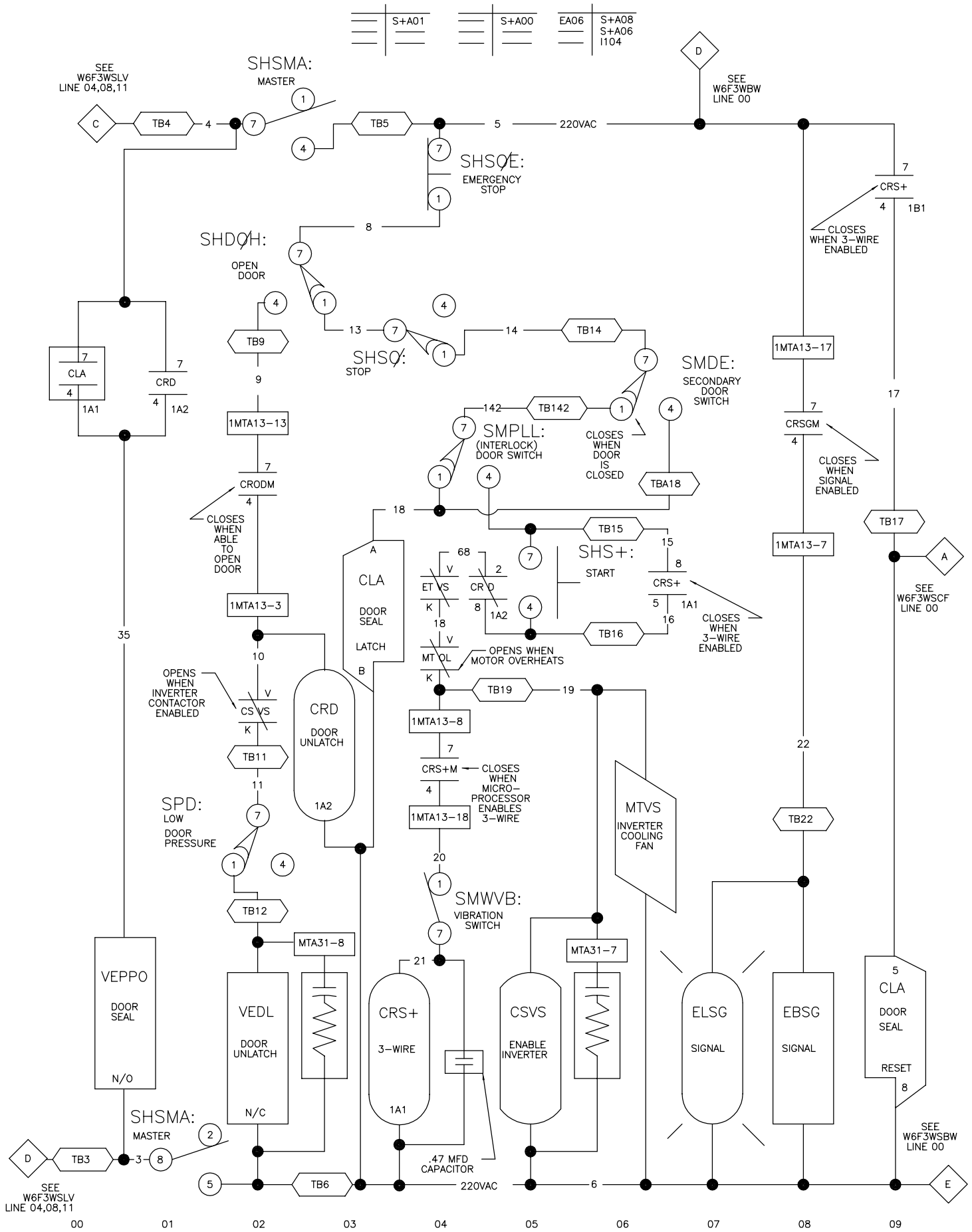
EA06
S+05
1104



W6F3WSS+
MICRO 6 SYSTEMS
SCHEMATIC: 3-WIRE CIRCUIT
FOR 3022 F8P/F8W ONLY
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION



10 11 12 13 14 15 16 17



SEE W6F3WSLV LINE 04,08,11

SHSMA: MASTER

SHSQ: EMERGENCY STOP

SHDOH: OPEN DOOR

SHSQ: STOP

SMDE: SECONDARY DOOR SWITCH

SMPLL: (INTERLOCK) DOOR SWITCH

SHS+: START

SPD: LOW DOOR PRESSURE

SMWVB: VIBRATION SWITCH

MTVS INVERTER COOLING FAN

VEPP DOOR SEAL N/O

VEDL DOOR UNLATCH N/C

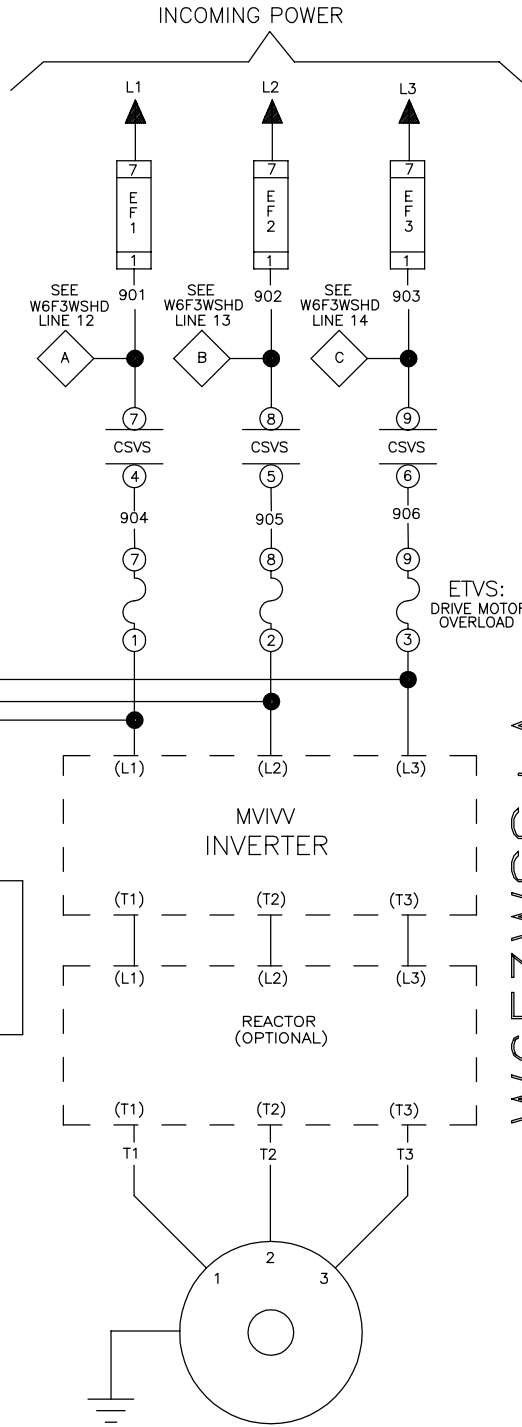
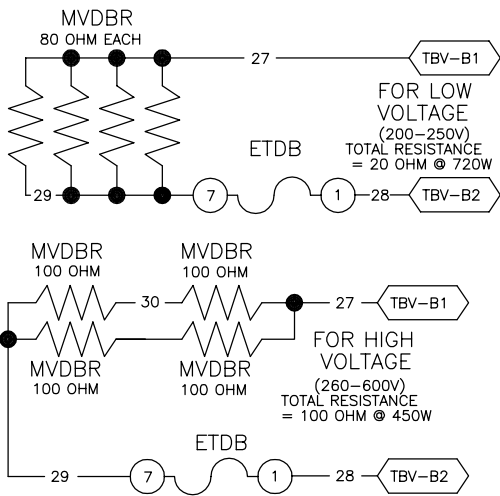
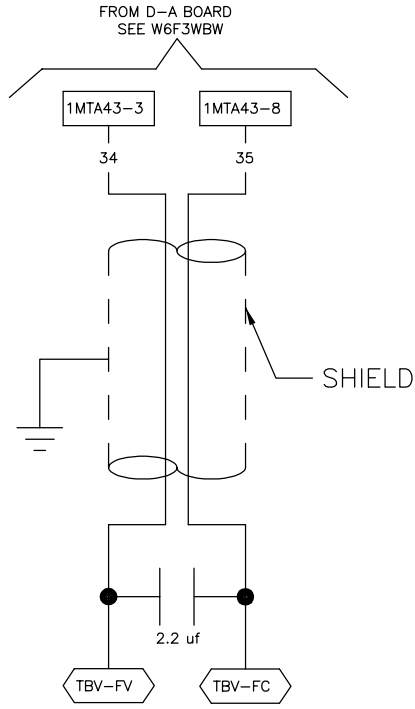
CRS+ 3-WIRE

CSVS ENABLE INVERTER

ELSG SIGNAL

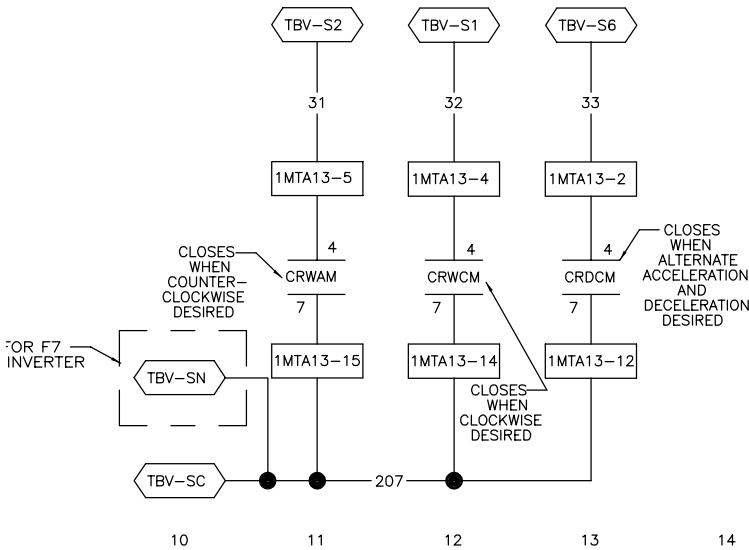
EBSG SIGNAL

CLA DOOR SEAL RESET

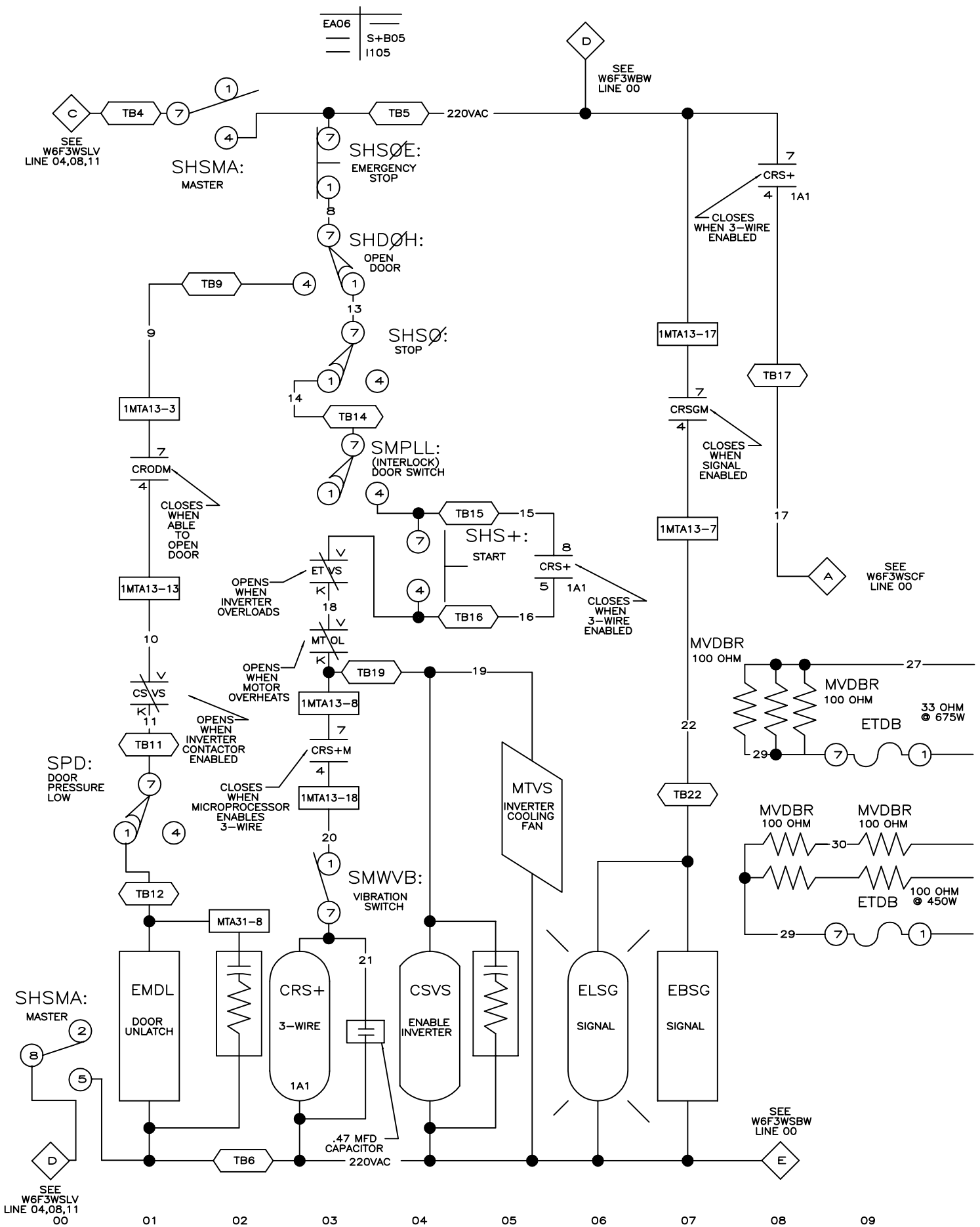


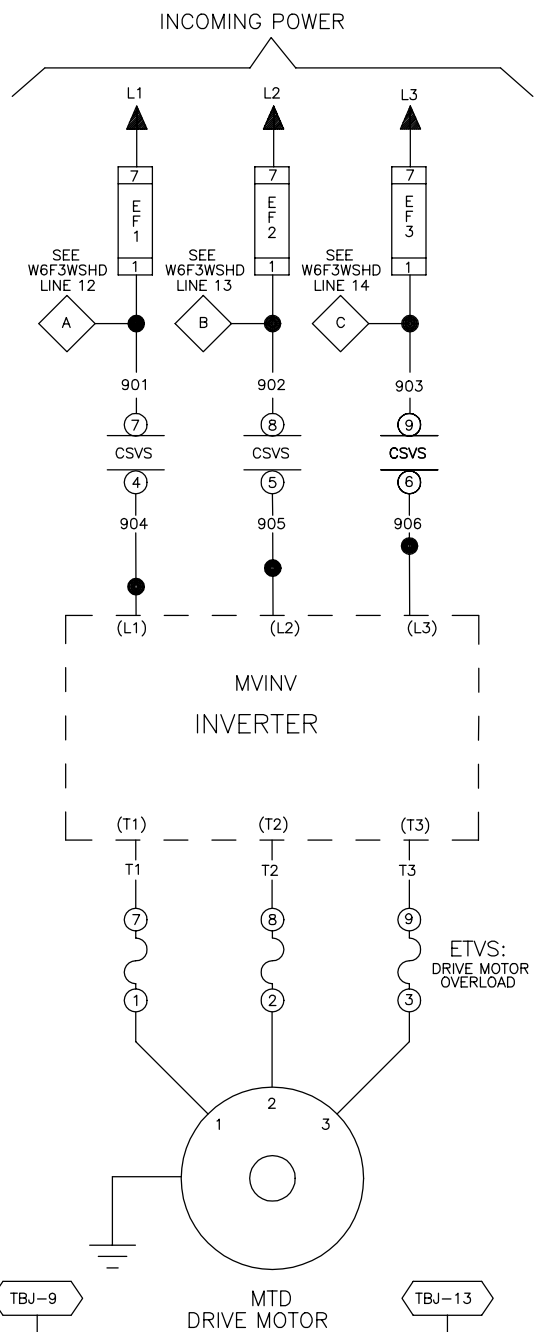
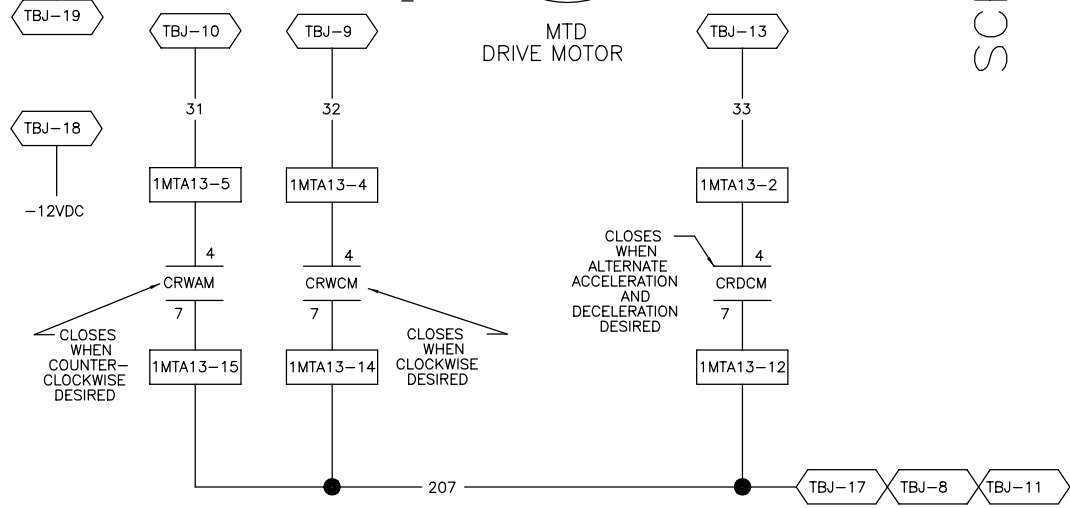
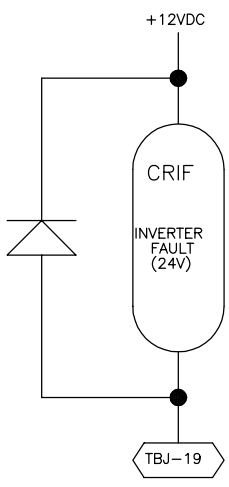
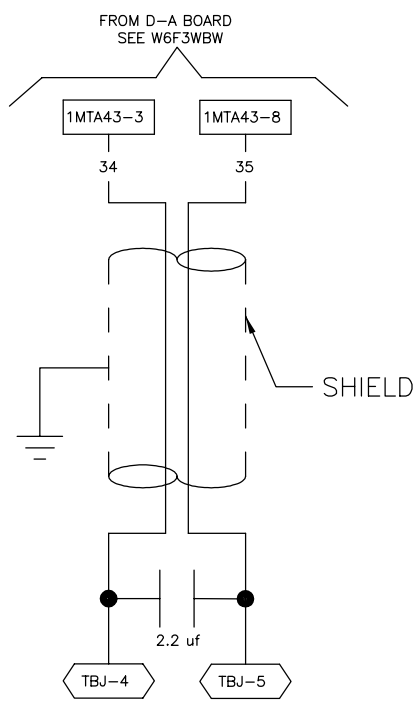
W6F3WSS+A

MICRO 6 SYSTEMS
SCHEMATIC: 3-WIRE CIRCUIT
FOR 42032 F7P/F7W WITH GPD505 F7 INVERTER
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION



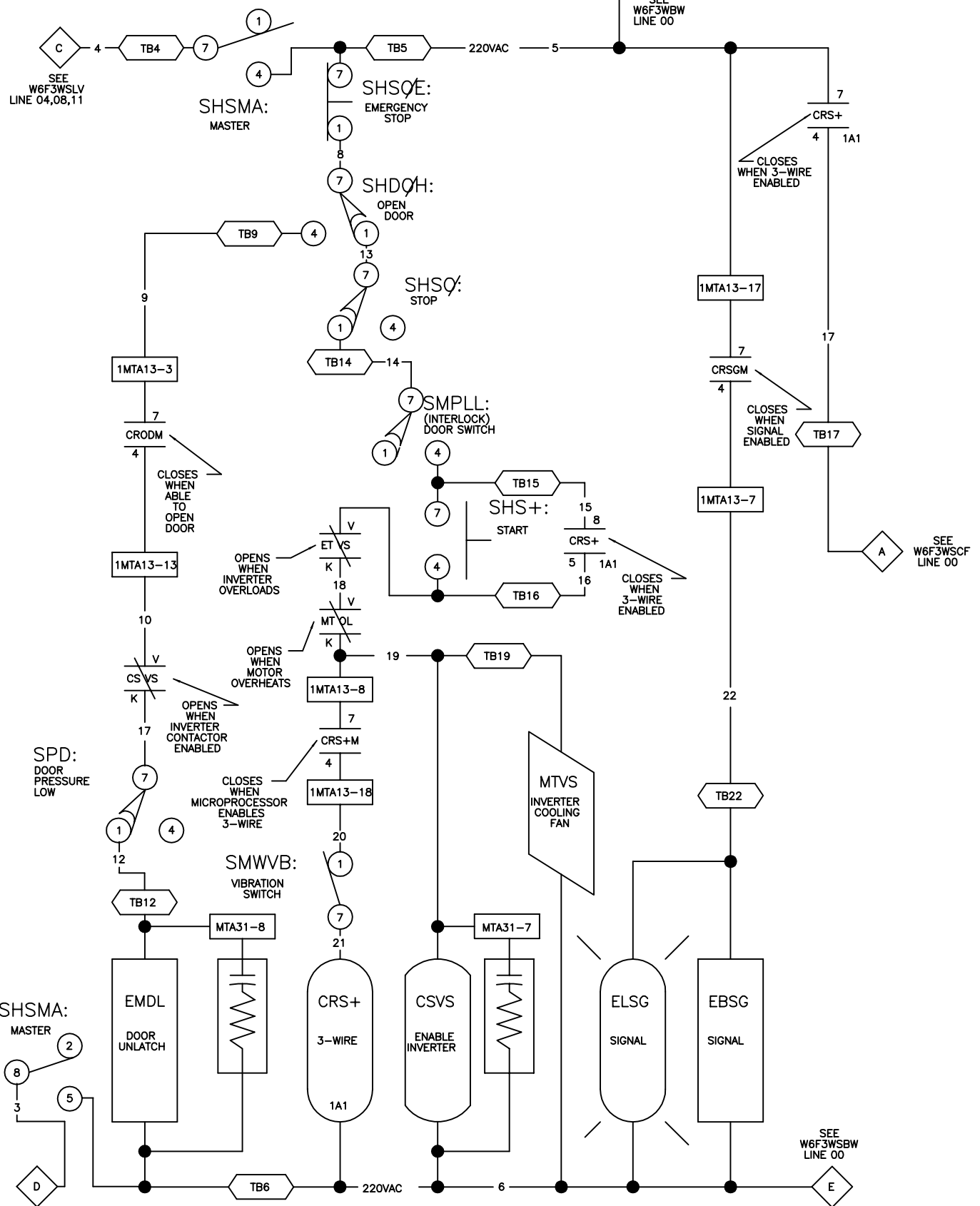
EA06
S+B05
1105





W6F3WSS+D
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 42032 F7P/F7W
 WITH BALDOR INVERTER
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

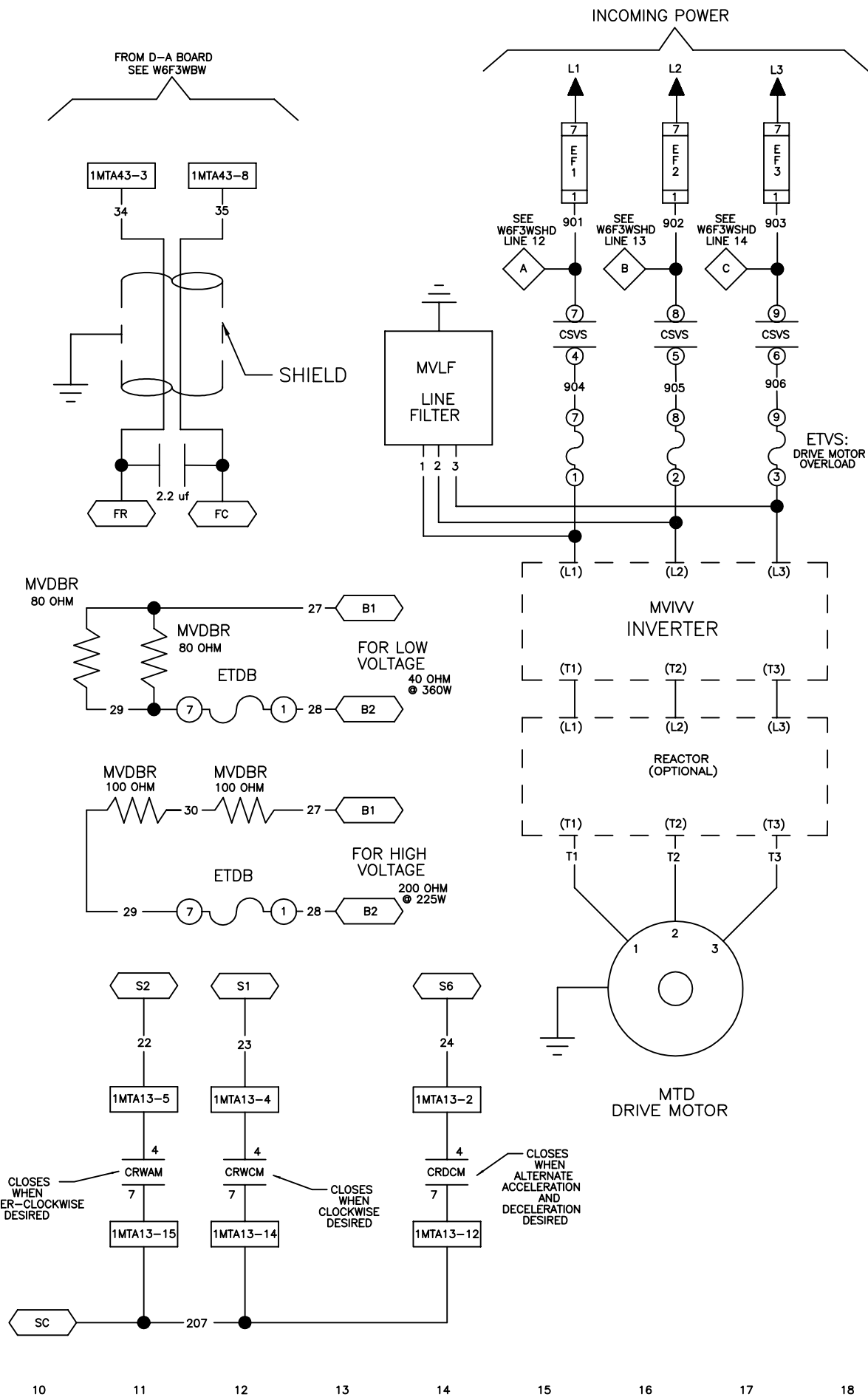
EA06
S+05
1104



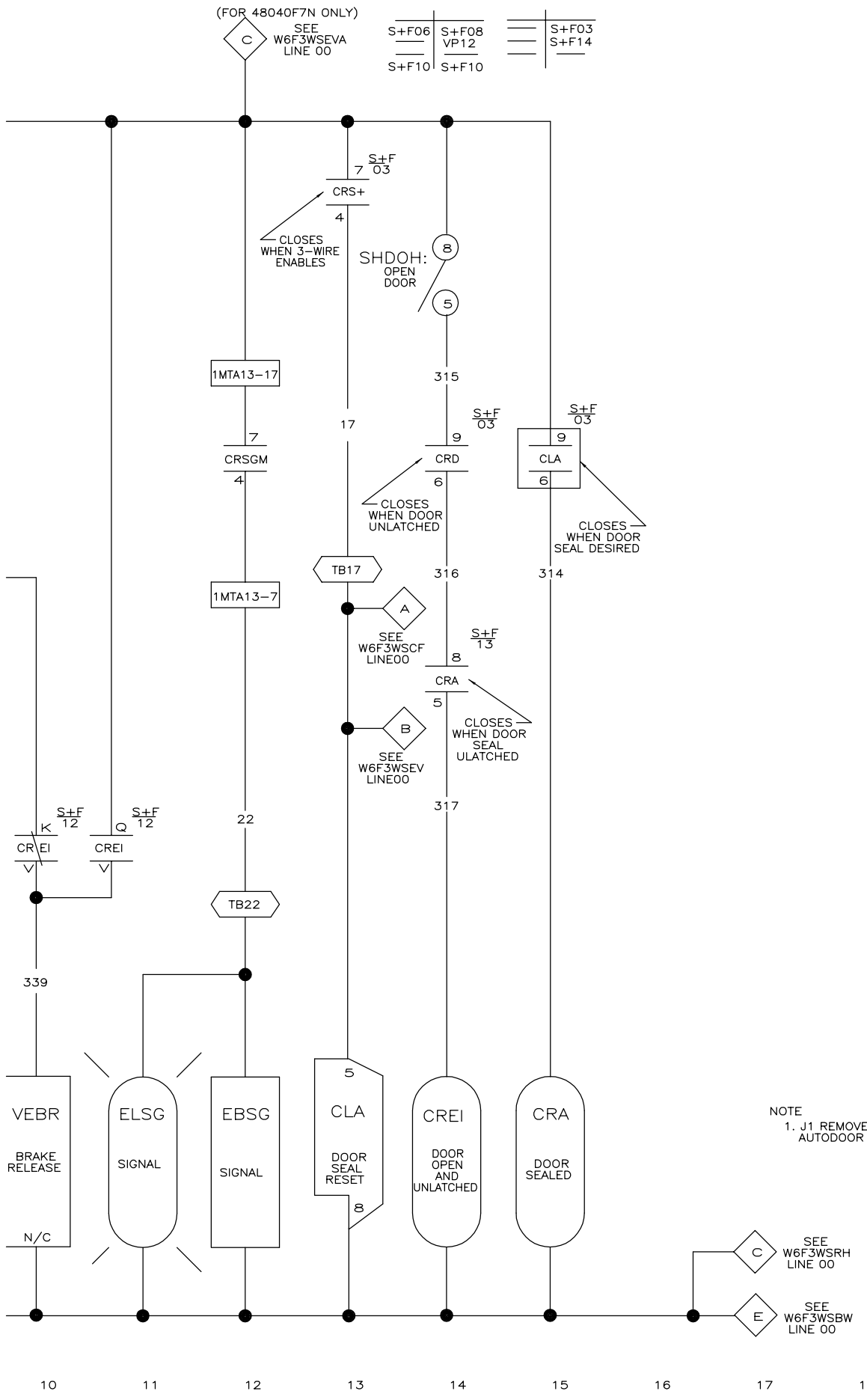
SHSMA:
MASTER

SEE
W6F3WSLV
LINE 04,08,11
00

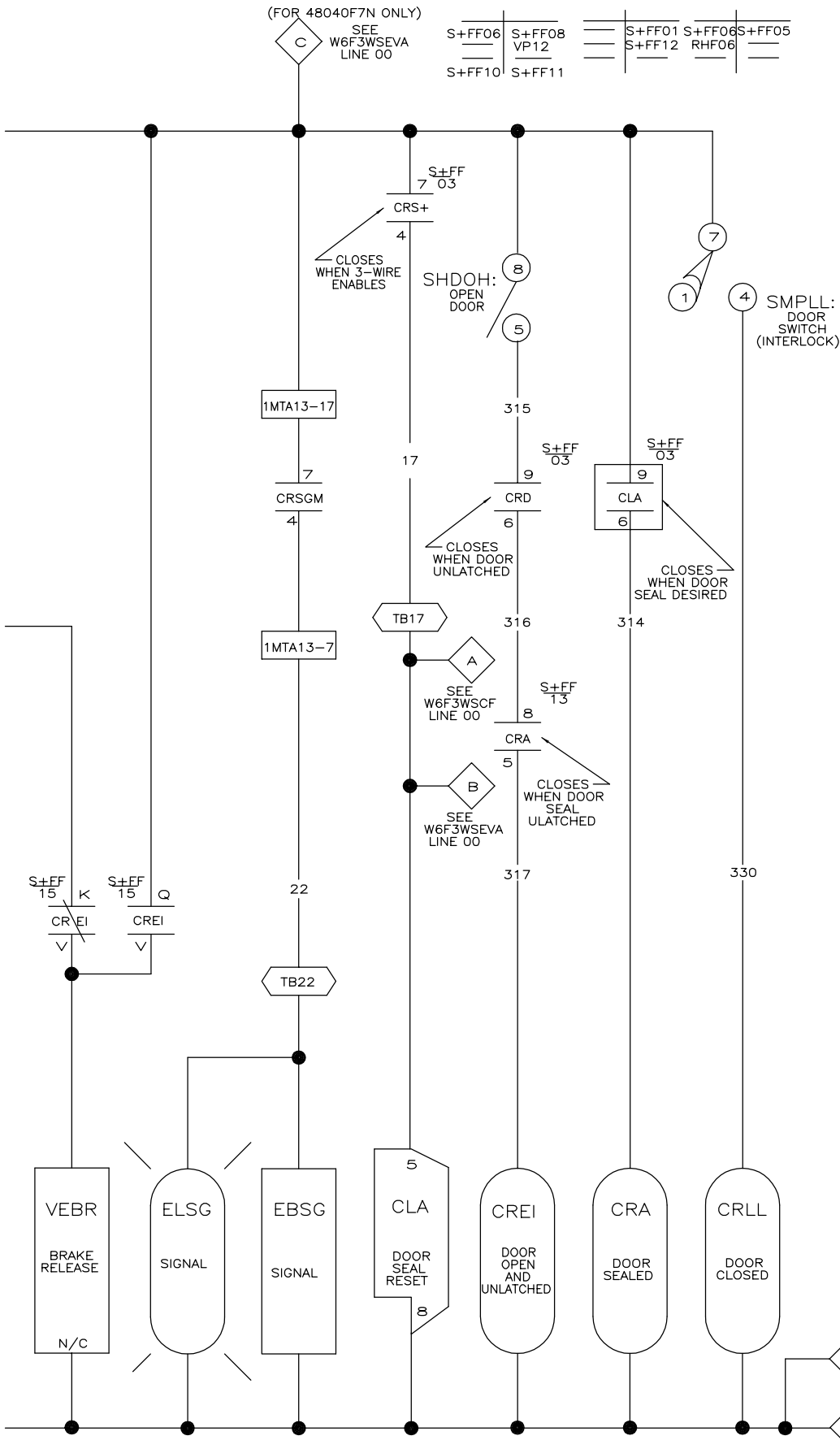
W6F3WSS+E
2006084B



W6F3WSS+E
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 3022 F8P/F8W ONLY (GPD315)
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION



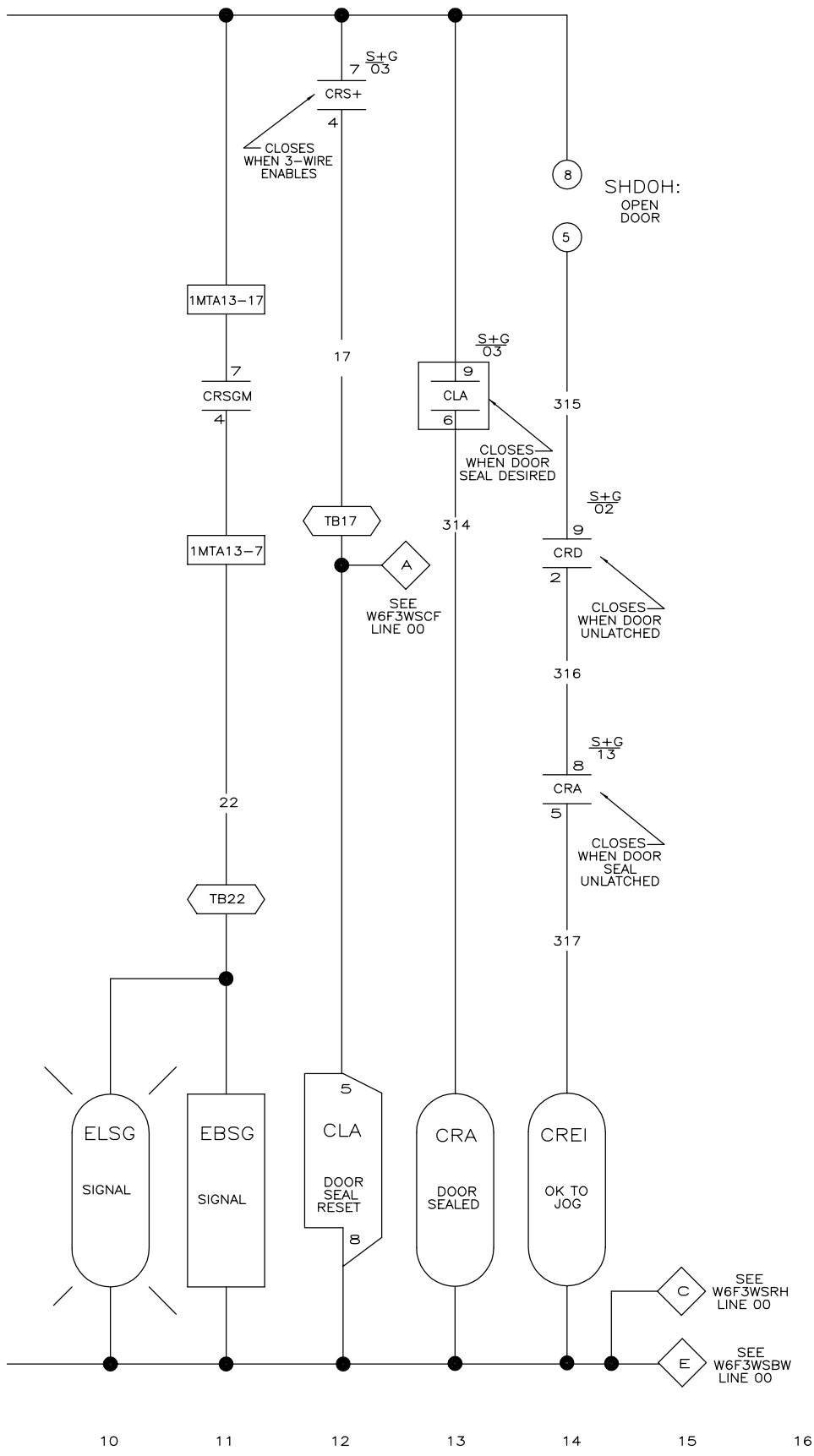
W6F3WSS+F
MICRO 6 SYSTEMS
SCHEMATIC: 3-WIRE CIRCUIT
FOR 48040F7N & 68030F5N TILTING W/E
220V1P50HZ/240V1P60HZ
PELLERIN MILNOR CORPORATION



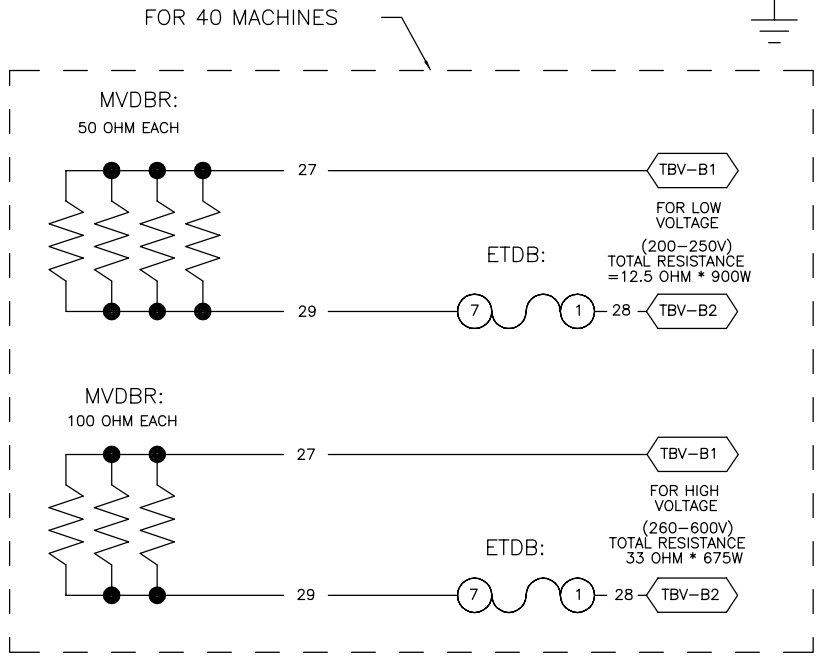
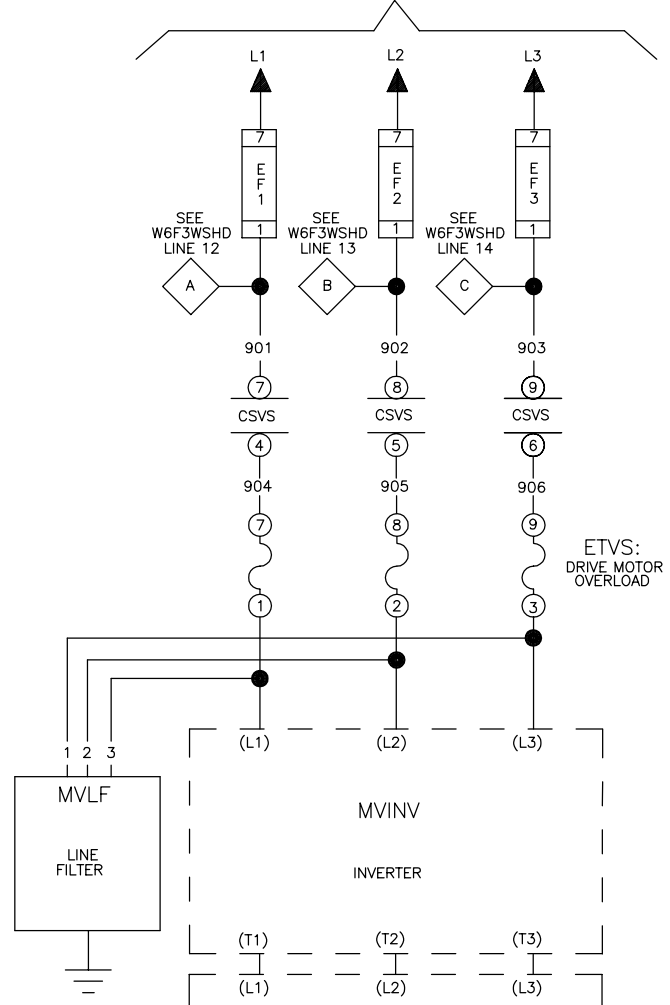
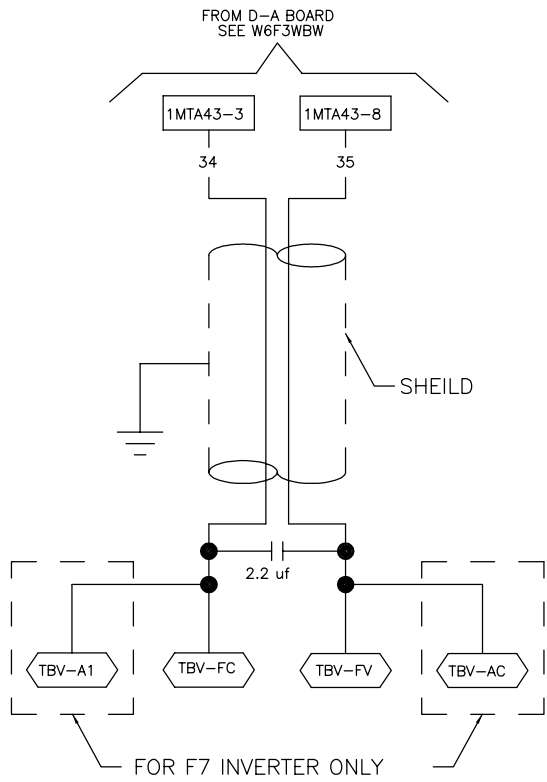
W6F3WSS+FF
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 48040F7N/68036F5N WITH FRENCH MODS
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

S+G06	S+G08	S+G01	S+G07	S+G09
VP12	VP12	S+GB		VP12

W6F3WSS+G
2008055B

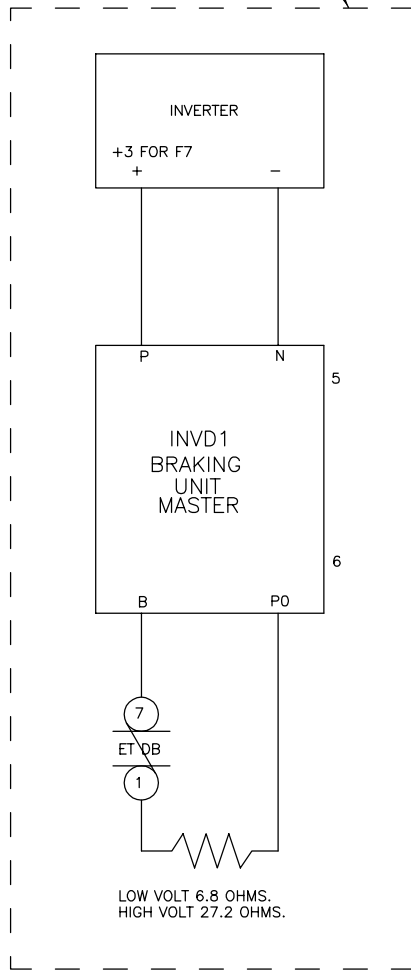


W6F3WSS+G
 MICRO 6 SYSTEMS
 SCHEMATIC: 3-WIRE CIRCUIT
 FOR 48040F7W/68036F5W NON TILTING W/E
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07 08 09

FOR 6836 MACHINES

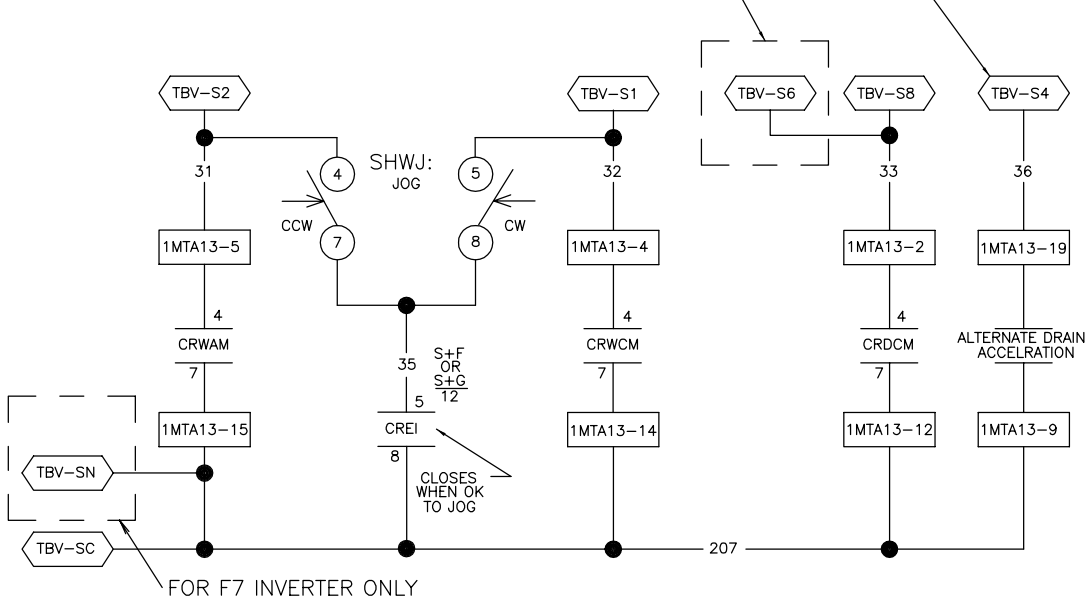


W6F3WSVP
2006084B

W6F3WSVP
 MICRO 6 SYSTEMS
 SCHEMATIC: INVERTOR WIRING
 FOR 48040 F7N/F7W & 68036F5N ONLY
 WITH GPD505/506 OR F7 INVERTER
 220V1P50HZ/240V1P60HZ
 PELLERIN MILNOR CORPORATION

FOR F7 INVERTER ONLY

FOR 6836 F7 INVERTER ONLY



10 11 12 13 14 15 16 17 18 19