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

Schematic/Electrical Parts

**Discharge Sequencers +
Autolint® Lint Collector
DRYVAC02, DRYVAC03**

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Lint Filter Controls + Sequencer

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COMPONENT PARTS LIST

<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND THIS COMPONENT</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
	>>>CONTROL BOX LAYOUTS				
001	BOARD BOX LINT FILTER DISC. SEQUENCER	W6DSTAG1	B2T2007001	TAG:DISC SEQUENCER FOR DRYVAC02	SEE FUNCTION
002	DISCHARGE SEQUENCER C-BOX	W6DSTAG1	B2T2007002	TAG:LINT FILTER DISC SEQUENCER	SEE FUNCTION
003	AUTOLINT CONTROL BOX	W6DSTAG1	B2T2010017	TAG:DRYVAC02 AUTOLINT CONTROLS	SEE FUNCTION
004	BOARD BOX LINT FILTER DISC. SEQUENCER	W6DSTAG2	B2T2015016	TAG:DISC SEQUENCER FOR DRYVAC03	SEE FUNCTION
005	DISCHARGE SEQUENCER C-BOX	W6DSTAG2	B2T2007002	TAG:LINT FILTER DISC SEQUENCER	SEE FUNCTION
006	AUTOLINT CONTROL BOX	W6DSTAG2	B2T2015015	TAG:DRYVAC03 AUTOLINT CONTROLS	SEE FUNCTION
BA	>>PRINTED CIRCUIT BOARDS				
BBB-1	BOARD-MEMORY BATTERY BACKUP	W6DSD15B	08BSBB1T	BOARD: SER BATT BACKUP - TEST	CONTROLLER BX
BIO-1	BOARD-16 INPUT #1	W6DSA15B	08BS816BT	BOARD:SERIAL 8 OUT-16 IN - TEST	CONTROLLER BX
BIO-1	BOARD-16 INPUT #1	W6DSA15C	08BS816BT	BOARD:SERIAL 8 OUT-16 IN - TEST	CONTROLLER BX
BIO-1	BOARD-16 INPUT #3 (DRYVAC03)	W6DSA15C	08BS816BT	BOARD:SERIAL 8 OUT-16 IN - TEST	CONTROLLER BX
BIO-2	BOARD-16 INPUT #2	W6DSB15B	08BS816BT	BOARD:SERIAL 8 OUT-16 IN - TEST	CONTROLLER BX
BO16-2	BOARD-16 OUTPUT #2	W6DSG15B	08BSO16BT	BOARD:SERIAL 16 OUTPUT -TEST	CONTROLLER BX
BPB	BOARD-MICROPROCESSOR	W6SDSD15B	08BSPDT	8088 PROCESSOR -> TESTED	CONTROLLER BX
CBBB	DELAY-BAG BLOW DOWN	W6DR8L2A	09CA0HMS37	TDR SET HOUR:MIN SEC 120V	DRYVAC02 BOX
CL	>>>LATCH RELAYS				
CLALP <1/2025	LATCH-BAG IS FULL	W6DR8L2A	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	DRYVAC02 BOX
CLALP >1/2025	LATCH-BAG IS FULL	W6DR8L2A	09CL2C-D37	RELAY-LATCH DPDT 120V 2-COIL ICECUBE	DRYVAC02 BOX
CLALP <1/2025	LATCH-SCREEN IS BLOCKED	W6DR8L3A	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	DRYVAC03 BOX
CLALP >1/2025	LATCH-SCREEN IS BLOCKED	W6DR8L3A	09CL2C-D37	RELAY-LATCH DPDT 120V 2-COIL ICECUBE	DRYVAC03 BOX
CR	>>RELAY-PILOT OR CONTROL				
CRDA01	RELAY-DISCHARGE ALLOWED DEVICE 1	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA01	RELAY-DISCHARGE ALLOWED DEVICE 1	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA02	RELAY-DISCHARGE ALLOWED DEVICE 2	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA02	RELAY-DISCHARGE ALLOWED DEVICE 2	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA03	RELAY-DISCHARGE ALLOWED DEVICE 3	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA03	RELAY-DISCHARGE ALLOWED DEVICE 3	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA04	RELAY-DISCHARGE ALLOWED DEVICE 4	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA04	RELAY-DISCHARGE ALLOWED DEVICE 4	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA05	RELAY-DISCHARGE ALLOWED DEVICE 5	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA05	RELAY-DISCHARGE ALLOWED DEVICE 5	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA06	RELAY-DISCHARGE ALLOWED DEVICE 6	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX

COMPONENT PARTS LIST

<u>COMPONENT</u>	<u>FUNCTION OF</u>	<u>WHERE TO FIND</u>	<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
<u>NUMBER</u>	<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>			
CRDA06	RELAY-DISCHARGE ALLOWED DEVICE 6	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA07	RELAY-DISCHARGE ALLOWED DEVICE 7	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA07	RELAY-DISCHARGE ALLOWED DEVICE 7	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA08	RELAY-DISCHARGE ALLOWED DEVICE 8	W6DSE15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA08	RELAY-DISCHARGE ALLOWED DEVICE 8	W6DSE15C	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA09	RELAY-DISCHARGE ALLOWED DEVICE 9	W6DSF15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA10	RELAY-DISCHARGE ALLOWED DEVICE 10	W6DSF15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA11	RELAY-DISCHARGE ALLOWED DEVICE 11	W6DSF15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA12	RELAY-DISCHARGE ALLOWED DEVICE 12	W6DSF15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA13	RELAY-DISCHARGE ALLOWED DEVICE 13	W6DSF15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA14	RELAY-DISCHARGE ALLOWED DEVICE 14	W6DSF15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CRDA15	RELAY-DISCHARGE ALLOWED DEVICE 15	W6DSF15B	09C024D37	4PDT "KH" 110/120V	CONTROLLER BX
CREEG	RELAY-GATE VALVE OPEN	W6DR8L3A	09C024D37	4PDT "KH" 110/120V	DRYVAC03 BOX
CRIR	RELAY-INVERTER NOT IN FAULT	W6DR8L2A	09C024D37	4PDT "KH" 110/120V	DRYVAC02 BOX
CRIR	RELAY-INVERTER NOT IN FAULT	W6DR8L3A	09C024D37	4PDT "KH" 110/120V	DRYVAC03 BOX
CRLB	RELAY-LINT BLOWER	W6DR8L2A	09C024D37	4PDT "KH" 110/120V	DRYVAC02 BOX
CRLB	RELAY-LINT BLOWER	W6DR8L3A	09C024D37	4PDT "KH" 110/120V	DRYVAC03 BOX
CRLBA	RELAY-LINT BLOWER SPRINKLER & DOOR	W6DR8L2A	09C024D37	4PDT "KH" 110/120V	DRYVAC02 BOX
CRLBA	RELAY-LINT BLOWER SPRINKLER & DOOR	W6DR8L3A	09C024D37	4PDT "KH" 110/120V	DRYVAC03 BOX
CRS+	RELAY-START	W6DR8L3A	09C024D37	4PDT "KH" 110/120V	DRYVAC03 BOX
CS	>>>>CONTACTORS				
CSLB	CONTACTOR-LINT BLOWER	W6DR8L2B	09MC08G337	37A 3P MCS CONT NR 120V5/6	AUTOLINT BOX
EB	>>>AUDIO SIGNALS				
EBLBF	BUZZER-AUTOLINT FAILURE	W6DR8L2A	09H020	ALARM SONALERT 115V	DRYVAC02 BOX
EBLBF	BUZZER-AUTOLINT FAILURE	W6DR8L3A	09H020	ALARM SONALERT 115V	DRYVAC03 BOX
ED	>>>DISPLAYS				
EDM	DISPLAY-MICROPROCESSOR	W6DSKPD	08BSEVFD5U	SERIAL VFD 2LINE 9600B-TEST	SWITCH PANEL
EF	>>>FUSES				
EFFAN	FUSE-INVERTER COOLING FAN	W6DR8L3A			DRYVAC03 BOX
EFLE <1/2025	FUSE-120V CONTROL CIRCUIT	W6DR8L2A	09FF006AHG	FUSE #BK/MDL 6 AMP 125V	DRYVAC02 BOX
EFLF >1/2025	FUSE-120V CONTROL CIRCUIT	W6DR8L2A	09FF003AWV	FUSE BUSS STYLE CC TYPE FNQ-R 3 AMP	DRYVAC02 BOX
EFLF	FUSE-120V CONTROL CIRCUIT	W6DR8L3A	09FF003AWV	FUSE BUSS STYLE CC TYPE FNQ-R 3 AMP	DRYVAC03 BOX
EFP1	FUSE-BLOWER MOTOR (DRYVAC03)	W6DR8L2B	09FF012AWV	Fuse CC STYLE FNQ-R 12 AMP 600V	DRYVAC C-BOX

COMPONENT PARTS LIST

<u>COMPONENT</u>	<u>FUNCTION OF</u>	<u>WHERE TO FIND</u>	<u>LOCATION</u>
<u>NUMBER</u>	<u>THIS COMPONENT</u>	<u>THIS COMPONENT</u>	<u>DESCRIPTION</u>
EFP1	FUSE-BLOWER MOTOR (DRYVAC02)	W6DR8L2B	Fuse CC STYLE FNQ-R 20 AMP 600V
EFP2	FUSE-BLOWER MOTOR (DRYVAC03)	W6DR8L2B	Fuse CC STYLE FNQ-R 12 AMP 600V
EFP2	FUSE-BLOWER MOTOR (DRYVAC02)	W6DR8L2B	Fuse CC STYLE FNQ-R 20 AMP 600V
EFP3	FUSE-BLOWER MOTOR (DRYVAC03)	W6DR8L2B	Fuse CC STYLE FNQ-R 12 AMP 600V
EFP3	FUSE-BLOWER MOTOR (DRYVAC02)	W6DR8L2B	Fuse CC STYLE FNQ-R 20 AMP 600V
EFL1(HV)	FUSE=120V TRANSFORMER PRIMARY	W6DR8L1D	FUSE #KTK 3A 600V=HPS HOLDER
EFL2(HV)	FUSE=120V TRANSFORMER PRIMARY	W6DR8L1D	FUSE #KTK 3A 600V=HPS HOLDER
EFL1(LV)	FUSE=120V TRANSFORMER PRIMARY	W6DR8L1D	FUSE #KTK 5A 600V=HPS HOLDER
EFL2(LV)	FUSE=120V TRANSFORMER PRIMARY	W6DR8L1D	FUSE #KTK 5A 600V=HPS HOLDER
EF	>>>FLASHERS AND FANS		
EFLB	FAN-INVERTER COOLING	W6DR8L2A	FAN 92CFM115V60
EFLB	FAN-INVERTER COOLING	W6DR8L3A	FAN 92CFM115V60
EFLBF	FLASHER-AUTOLINT FAILURE	W6DR8L2A	FLASHER 120V 1AMP 75FL/MIN
EFLBF	FLASHER-AUTOLINT FAILURE	W6DR8L3A	FLASHER 120V 1AMP 75FL/MIN
EL	>LIGHT-PILOT OR INDICATOR		
ELBF	LIGHT-BAG IS FULL	W6DR8L2A	LAMP 1/2" RED 125V IDI 1050QC3
ELBF	LIGHT-SUCTION LOW	W6DR8L3A	LAMP 1/2" RED 125V IDI 1050QC3
ELDA01	LIGHT-DISCHARGE ALLOWED DEVICE 1	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA01	LIGHT-DISCHARGE ALLOWED DEVICE 1	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC
ELDA02	LIGHT-DISCHARGE ALLOWED DEVICE 2	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA02	LIGHT-DISCHARGE ALLOWED DEVICE 2	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC
ELDA03	LIGHT-DISCHARGE ALLOWED DEVICE 3	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA03	LIGHT-DISCHARGE ALLOWED DEVICE 3	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC
ELDA04	LIGHT-DISCHARGE ALLOWED DEVICE 4	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA04	LIGHT-DISCHARGE ALLOWED DEVICE 4	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC
ELDA05	LIGHT-DISCHARGE ALLOWED DEVICE 5	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA05	LIGHT-DISCHARGE ALLOWED DEVICE 5	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC
ELDA06	LIGHT-DISCHARGE ALLOWED DEVICE 6	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA06	LIGHT-DISCHARGE ALLOWED DEVICE 6	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC
ELDA07	LIGHT-DISCHARGE ALLOWED DEVICE 7	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA07	LIGHT-DISCHARGE ALLOWED DEVICE 7	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC
ELDA08	LIGHT-DISCHARGE ALLOWED DEVICE 8	W6DSE15B	LAMP 1/2" GRN 125V IDI 1052QC
ELDA08	LIGHT-DISCHARGE ALLOWED DEVICE 8	W6DSE15C	LAMP 1/2" GRN 125V IDI 1052QC

COMPONENT PARTS LIST

<u>COMPONENT</u> <u>NUMBER</u>	<u>FUNCTION OF</u> <u>THIS COMPONENT</u>		<u>WHERE TO FIND</u> <u>THIS COMPONENT</u>		<u>MIL/NOR P/N</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
ELDA09	LIGHT-DISCHARGE ALLOWED DEVICE 9		W6DSF15B		09J060G37	LAMP 1/2" GRN 125V IDI 1052QC	CONTROLLER BX
ELDA10	LIGHT-DISCHARGE ALLOWED DEVICE 10		W6DSF15B		09J060G37	LAMP 1/2" GRN 125V IDI 1052QC	CONTROLLER BX
ELDA11	LIGHT-DISCHARGE ALLOWED DEVICE 11		W6DSF15B		09J060G37	LAMP 1/2" GRN 125V IDI 1052QC	CONTROLLER BX
ELDA12	LIGHT-DISCHARGE ALLOWED DEVICE 12		W6DSF15B		09J060G37	LAMP 1/2" GRN 125V IDI 1052QC	CONTROLLER BX
ELDA13	LIGHT-DISCHARGE ALLOWED DEVICE 13		W6DSF15B		09J060G37	LAMP 1/2" GRN 125V IDI 1052QC	CONTROLLER BX
ELDA14	LIGHT-DISCHARGE ALLOWED DEVICE 14		W6DSF15B		09J060G37	LAMP 1/2" GRN 125V IDI 1052QC	CONTROLLER BX
ELDA15	LIGHT-DISCHARGE ALLOWED DEVICE 15		W6DSF15B		09J060G37	LAMP 1/2" GRN 125V IDI 1052QC	CONTROLLER BX
ELDD01	LIGHT-DISCHARGE DESIRED DEVICE 1		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD01	LIGHT-DISCHARGE DESIRED DEVICE 1		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD02	LIGHT-DISCHARGE DESIRED DEVICE 2		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD02	LIGHT-DISCHARGE DESIRED DEVICE 2		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD03	LIGHT-DISCHARGE DESIRED DEVICE 3		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD03	LIGHT-DISCHARGE DESIRED DEVICE 3		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD04	LIGHT-DISCHARGE DESIRED DEVICE 4		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD04	LIGHT-DISCHARGE DESIRED DEVICE 4		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD05	LIGHT-DISCHARGE DESIRED DEVICE 5		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD05	LIGHT-DISCHARGE DESIRED DEVICE 5		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD06	LIGHT-DISCHARGE DESIRED DEVICE 6		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD06	LIGHT-DISCHARGE DESIRED DEVICE 6		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD07	LIGHT-DISCHARGE DESIRED DEVICE 7		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD07	LIGHT-DISCHARGE DESIRED DEVICE 7		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD08	LIGHT-DISCHARGE DESIRED DEVICE 8		W6DSE15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD08	LIGHT-DISCHARGE DESIRED DEVICE 8		W6DSE15C		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD09	LIGHT-DISCHARGE DESIRED DEVICE 9		W6DSF15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD10	LIGHT-DISCHARGE DESIRED DEVICE 10		W6DSF15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD11	LIGHT-DISCHARGE DESIRED DEVICE 11		W6DSF15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER BX
ELDD12	LIGHT-DISCHARGE DESIRED DEVICE 12		W6DSF15B		09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	CONTROLLER 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 (unless the time period is specifically extended for certain parts pursuant to a specific MILNOR published extended warranty) from our factory with no operating hour limitation. This warranty is contingent upon the equipment being installed, operated and serviced as specified in the operating manual supplied with the equipment, and operated under normal conditions by competent operators.

Providing we receive written notification of a warranted defect within 30 days of its discovery, we will—at our option—repair or replace the defective part or parts, EX Factory (labor and freight specifically NOT included). We retain the right to require inspection of the parts claimed defective in our factory prior to repairing or replacing same. We will not be responsible, or in any way liable, for unauthorized repairs or service to our equipment, and this warranty shall be void if the equipment is tampered with, modified, or abused, used for purposes not intended in the design and construction of the machine, or is altered in any way without MILNOR's written consent.

Parts damaged by exposure to weather, to aggressive water, or to chemical attack are not covered by this warranty. For parts which require routine replacement due to normal wear—such as gaskets, contact points, brake and clutch linings, belts, hoses, and similar parts—the warranty time period is 90 days.

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

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

THE PROVISIONS ON THIS PAGE REPRESENT THE ONLY WARRANTY FROM MILNOR AND NO OTHER WARRANTY OR CONDITIONS, STATUTORY OR OTHERWISE, SHALL BE IMPLIED.

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

BMP720097/25142

How to Get the Necessary Repair Components



This document uses Simplified Technical English.
Learn more at <http://www.asd-ste100.org>.

You can get components to repair your machine from the approved supplier where you got this machine. Your supplier will usually have the necessary components in stock. You can also get components from the Milnor® factory.

Tell the supplier the machine model and serial number and this data for each necessary component:

- The component number from this manual
- The component name if known
- The necessary quantity
- The necessary transportation requirements
- If the component is an electrical component, give the schematic number if known.
- If the component is a motor or an electrical control, give the nameplate data from the used component.

To write to the Milnor factory:

Pellerin Milnor Corporation
Post Office Box 400
Kenner, LA 70063-0400
UNITED STATES

Telephone: 504-467-2787
Fax: 504-469-9777
Email: parts@milnor.com

— End of BIUUUD19 —

BIUUUK01 (Published) Book specs- Dates: 20130308 / 20130308 / 20130308 Lang: ENG01 Applic: PCR UUU

How to Use Milnor® Electrical Schematic Diagrams

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

The table of contents/components list shows, for every component on every schematic in the manual, the component item number (explained in detail below), statement of function, parent schematic number, part number, description and electric box location. In older manuals, two component lists are provided: List 1 sorts the components by function, and List 2 by type of component. Newer schematic manuals include only the list sorted by component number.

The schematic drawings use symbols for each electromechanical component, and indicate the function of each. Integrated circuits are not shown, but the function of each microprocessor input and output is stated. Certain electrical components not pertinent to circuit logic, such as wire connectors, are not represented on the schematic.

Most machines require several schematics to describe the complete control system and all the options available on the included models. In most manuals there are some schematic pages that don't apply to your specific machine because certain options and configurations are mutually exclusive or are not necessary in all markets. You may find it helpful to mark or remove such pages. A schematic page that only applies to a subset of machines will normally state, in the title, which models and/or options it covers. Compare this with the nameplate on your machine and with your purchase records.

Each schematic is devoted to circuits with common functions (e.g., microprocessor inputs, motor contactors). Schematics appear in the manual in alphanumeric order.

1. Component Prefix Classifications and Descriptions

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

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

Note 1: Some component class codes do not have a corresponding symbol, but are represented by a box and an accompanying note describing the component. Examples of such codes are BA (printed circuit board), ED (electronic display), and ES (electronic power supply).

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

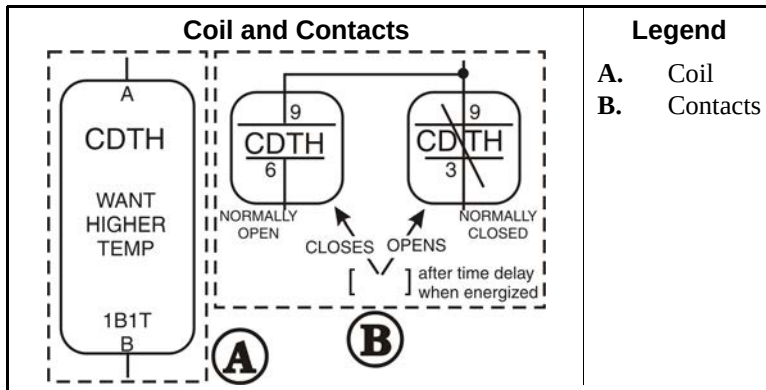
CB=Circuit Breaker (Figure 1)—Automatic switch that opens an electric circuit in abnormal current conditions (e.g., an overload).

Figure 1: Circuit Breaker (CB)



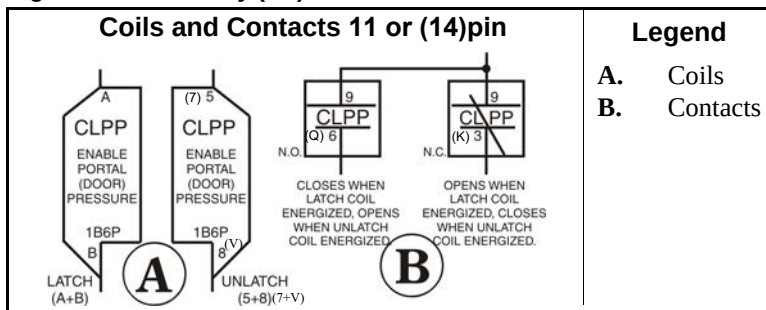
CD=Control, Time Delay Relay (Figure 2)—A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.

Figure 2: Time Delay Relay (CD)



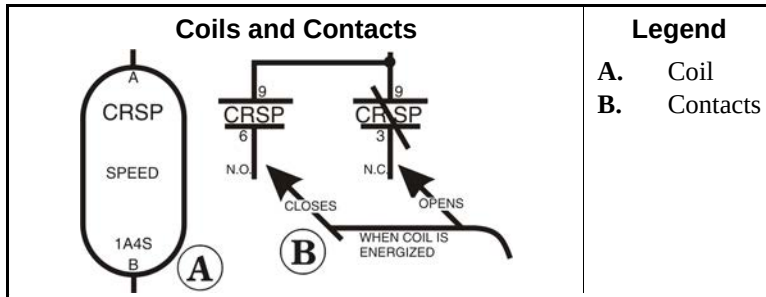
CL=Control, Latch Relay (Figure 3)—A relay which latches in an energized or set position when operated by one coil (the latch/set coil). The relay stays latched even though coil voltage is removed. The relay releases or unlatches when voltage is applied to a second coil (the unlatch/reset coil).

Figure 3: Latch Relay (CL)



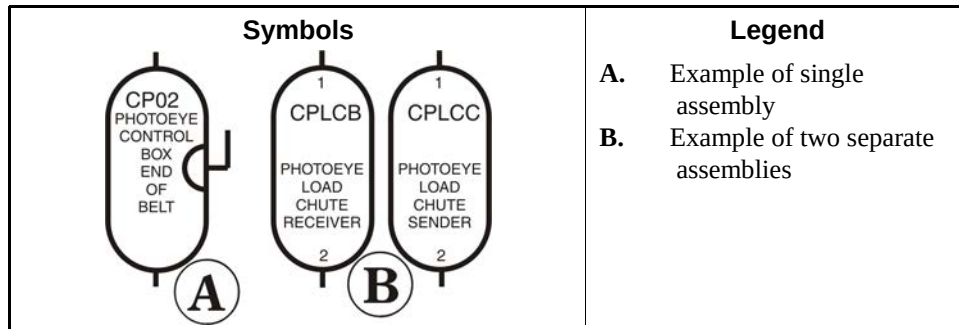
CR=Control, Relay (Figure 4)—A relay whose contacts switch immediately when voltage is applied to its coil and revert to normal when the voltage is removed.

Figure 4: Standard Relay (CR)



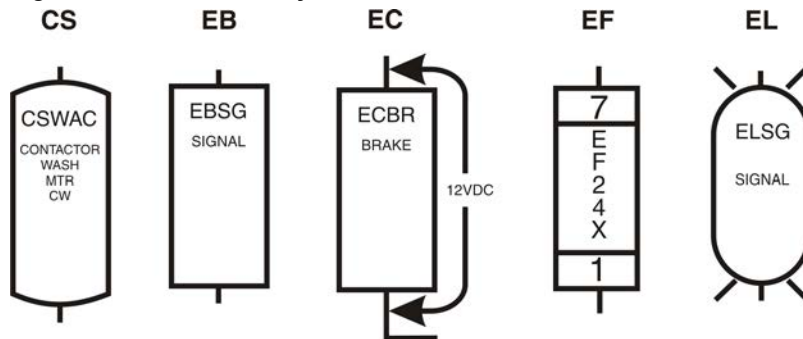
CP=Control, Photo-Eye (Figure 5)—Photo-eyes sense the presence of an object without direct physical contact. Photo-eyes consist of a transmitter, receiver, and output module. These components may be housed in one assembly with the transmitter bouncing light off of a reflector to the receiver, or these components can be housed in two separate assemblies with the transmitter pointed directly at the receiver. The photo-eye can be set to turn on its output either when the light beam becomes blocked (dark operate) or when it becomes un-blocked (light operate).

Figure 5: Photo-eye (CP)



CS=Control, Contactor/Motor Starter (Figure 6)—A relay capable of handling heavier electrical loads, usually a motor.

Figure 6: Other Control Symbols



EB=Electric Buzzer (Figure 6)—An audible signaling device.

EC=Electric Clutch (Figure 6)—A clutch consists of a coil and a rotor. The rotor has two separate rotating plates. These plates are free to rotate independent of each other until the coil is energized. Once energized the two plates turn as one.

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

EF=Electric Fuse (Figure 6)—A fuse is an over-current safety device with a circuit opening fusible member which is heated and severed by the passage of over-current through it.

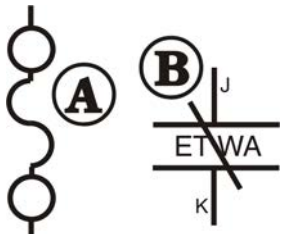
EL=Electric Light (Figure 6)—Indicator lights may be either incandescent or fluorescent.

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

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

ET=Thermal Overload (Figure 7)—A safety device designed to protect a motor. A thermal overload consists of an overload block, heaters, and an auxiliary contact. The auxiliary contact is normally installed in a safety (three-wire) circuit that stops power to the motor contactor coil when a motor overload occurs.

Figure 7: Thermal Overload (ET)

Schematic Symbol	Legend
	A. Heater (one per phase) B. Overload relay; contacts open if overload condition exists

EX=Electrical Transformer (Figure 8)—A device that transfers electrical energy from one isolated circuit to another, often raising or lowering the voltage in the process.

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

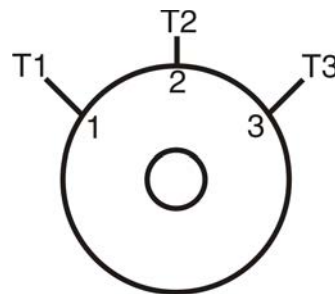
MN=Electronic Monitor (CRT)—A cathode ray tube used for visual presentation of data.

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

Figure 8: Transformer (EX)



Figure 9: Electric Motor (MR)

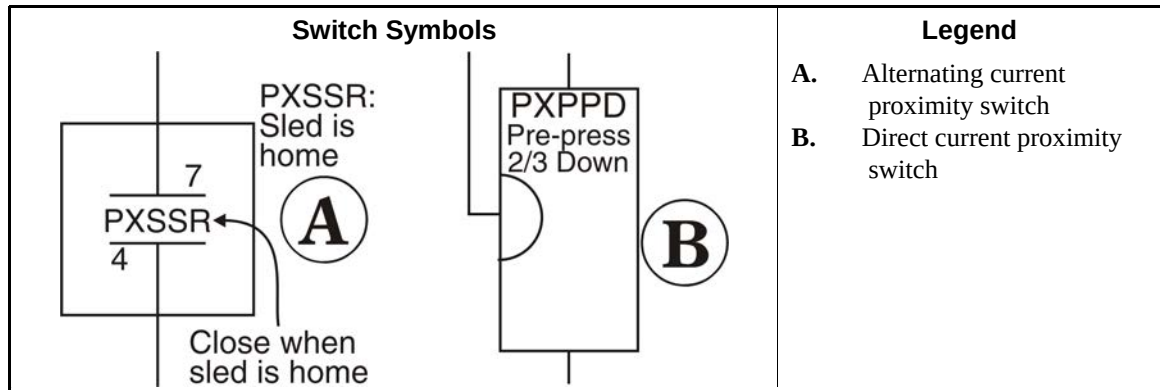


MV=Motor (Variable Speed) Inverter—To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained. The motor variable speed inverter converts three phase AC to DC. The inverter then uses this DC voltage to generate AC at the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

Note 2: Switch symbols used in the schematics and described below always depict the switch in its un-actuated state.

PX=Proximity Switch (Figure 10)—A device which reacts to the proximity of a target without physical contact or connection. The actuator or target causes a change in the inductance of the proximity switch which causes the switch to operate. Proximity switches can be two-wire (AC) or three-wire (DC) devices.

Figure 10: Proximity Switches (PX)



SC=Switch, Cam Operated (Figure 11)—A switch in which the electrical contacts are opened and/or closed by the mechanical action of a cam(s). Applications include 35-50 pound timer operated machines, Autospot, timer reversing motor assembly, and some balancing systems.

SH=Switch, Hand Operated (Figure 12)—A switch that is manually operated (e.g., *Start button*, *Master switch*, etc.).

Figure 11: Cam Switch (SC)

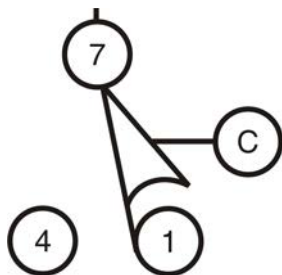
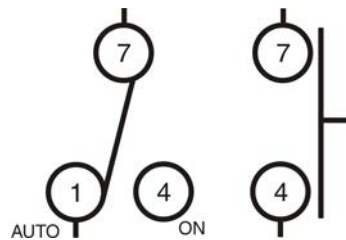


Figure 12: Hand Operated Switch (SH)



SK=Switch, Key Lock (Figure 13)—A switch that requires a key to operate. This prevents unauthorized personnel from gaining access to certain functions (e.g., the *Program menu*).

SL=Switch, Level Operated (Figure 14)—A switch connected to a float that causes the switch to open and close as the level changes.

Figure 13: Key Switch (SK)

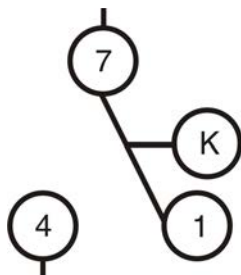
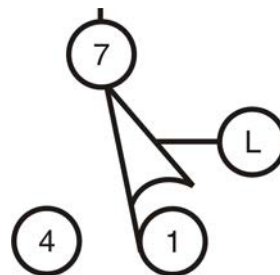


Figure 14: Level Switch (SL)



SM=Switch, Mechanically Operated (Figure 15)—A switch that is mechanically operated by a part of or the motion of the machine (e.g., door closed switch, tilt limit switches, etc.)

SP=Switch, Pressure Operated (Figure 16)—A switch in which a diaphragm presses against a switch actuator.

Figure 15: Mechanical Switch (SM)

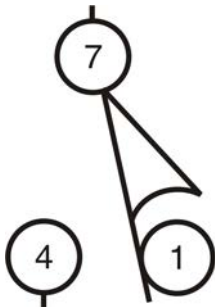
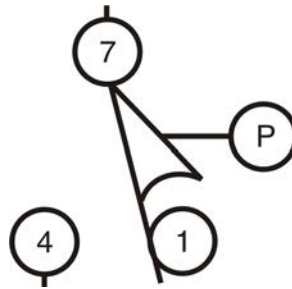


Figure 16: Pressure Switch (SP)



ST=Switch, Temperature Operated (Figure 17)—A switch that is actuated at a preset temperature (e.g., dryer safety probes) or has adjustable set points (e.g., Motometers or Combistats).

TB=Terminal Board (Figure 18)—A strip or block for attaching or terminating wires.

Figure 17: Temperature Switch (ST)

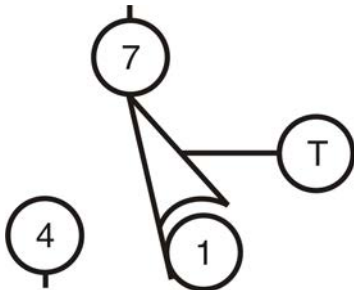


Figure 18: Terminal Board (TB)



VE=Valve, Electric Operated (Figure 19)—A valve operated by an electric coil to control the flow of fluid. The fluid can be air, water or hydraulic.

Figure 19: Electrically Operated Valve (VE)



ZF=Rectifier (Figure 20)—A solid state device that converts alternating current to direct current.

Figure 20: Bridge Rectifier (ZF)

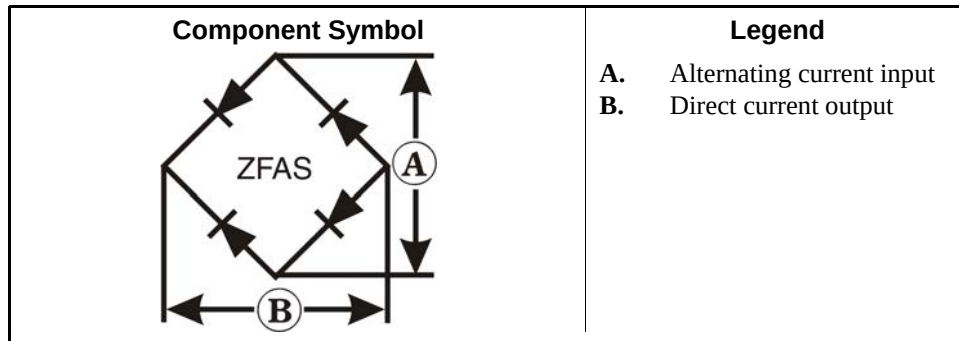
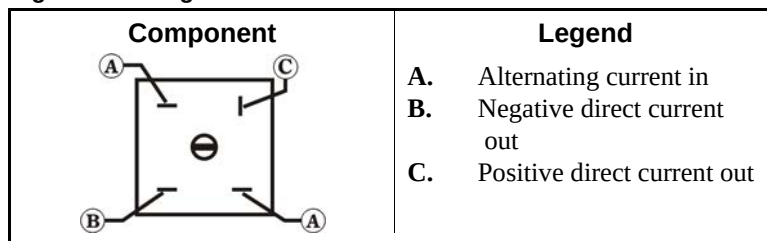


Figure 21: Bridge Rectifier



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

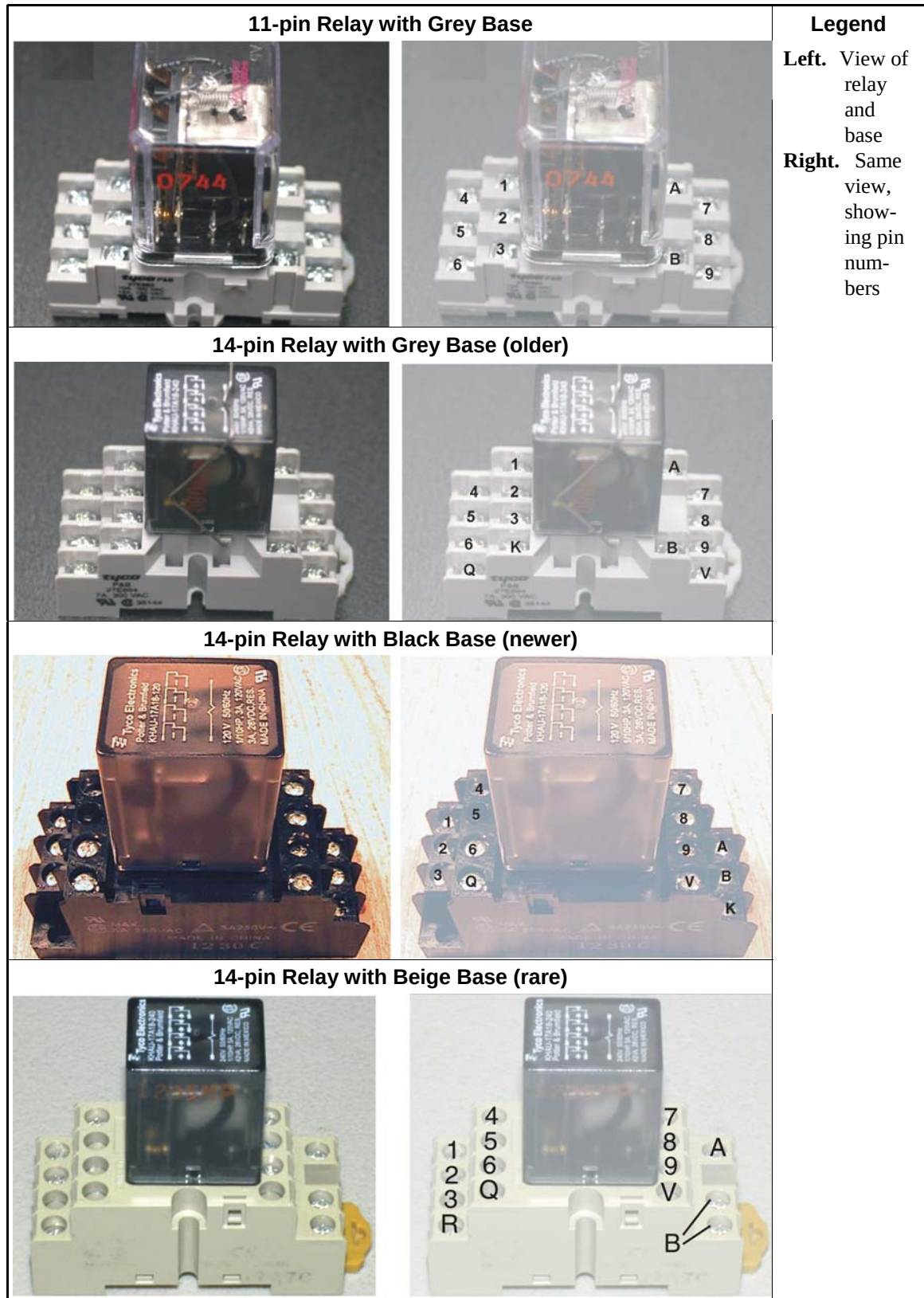
2. Component Terminal Numbering



CAUTION 1: Risk of Mis-wiring—Due to electrical component manufacturing inconsistencies, the pin numbers imprinted on components such as connectors and relay bases used on Milnor machines often do not correspond to the pin numbers shown in the schematics.

- Ignore pin numbers imprinted on in-line connectors (e.g., Molex connectors) and relay bases.
- Use the pin identification illustrations herein to identify pins on these components.

Figure 22: Plug-in Relays



Note 3: Relay functional names ending with the letter "M" (e.g., CRxxM) are not discrete components but are a component of a printed circuit board. They are usually not individually replaceable.

Figure 23: AMP Connector Pin Locations

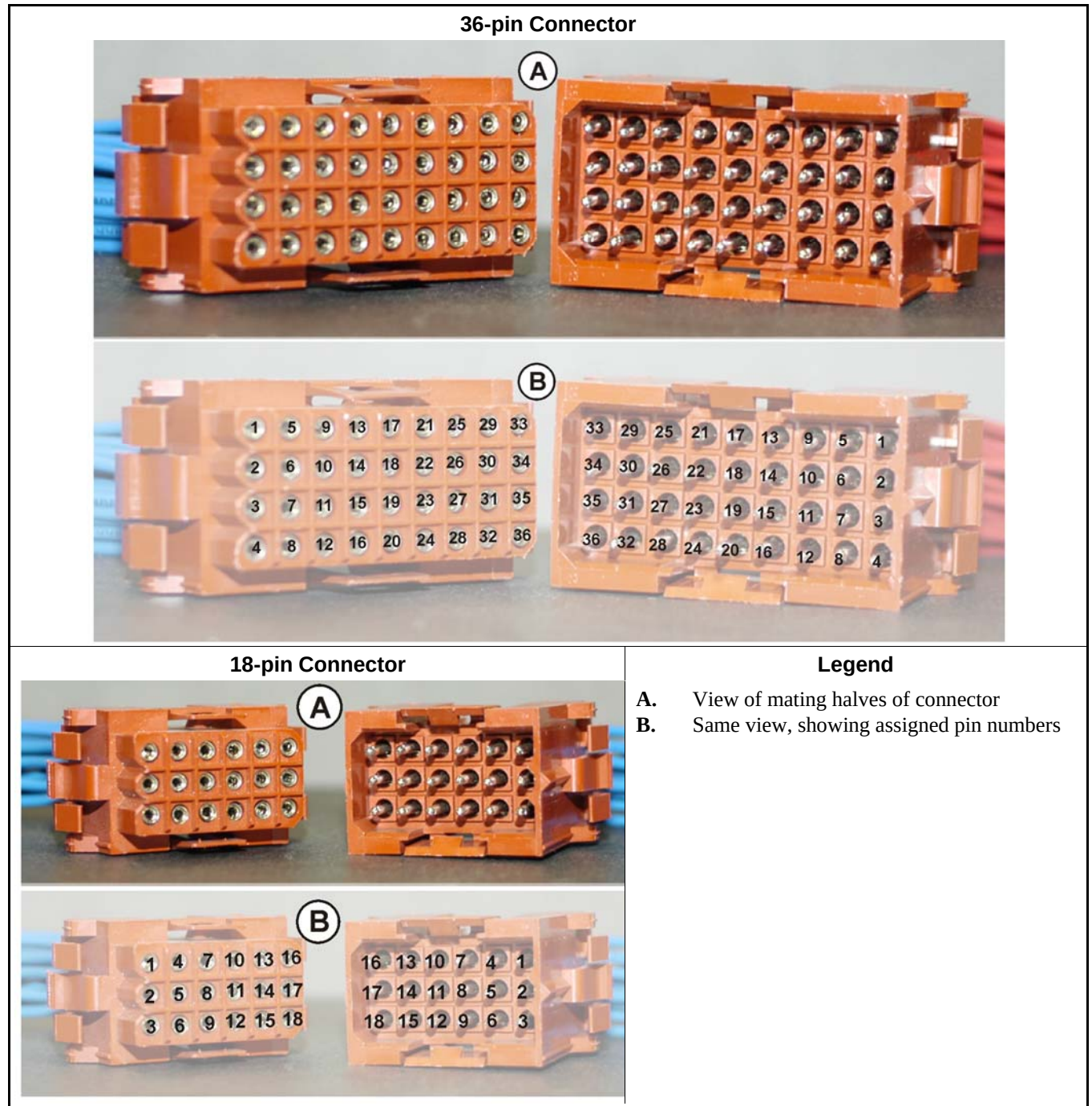


Figure 24: Molex Connector Pin Locations

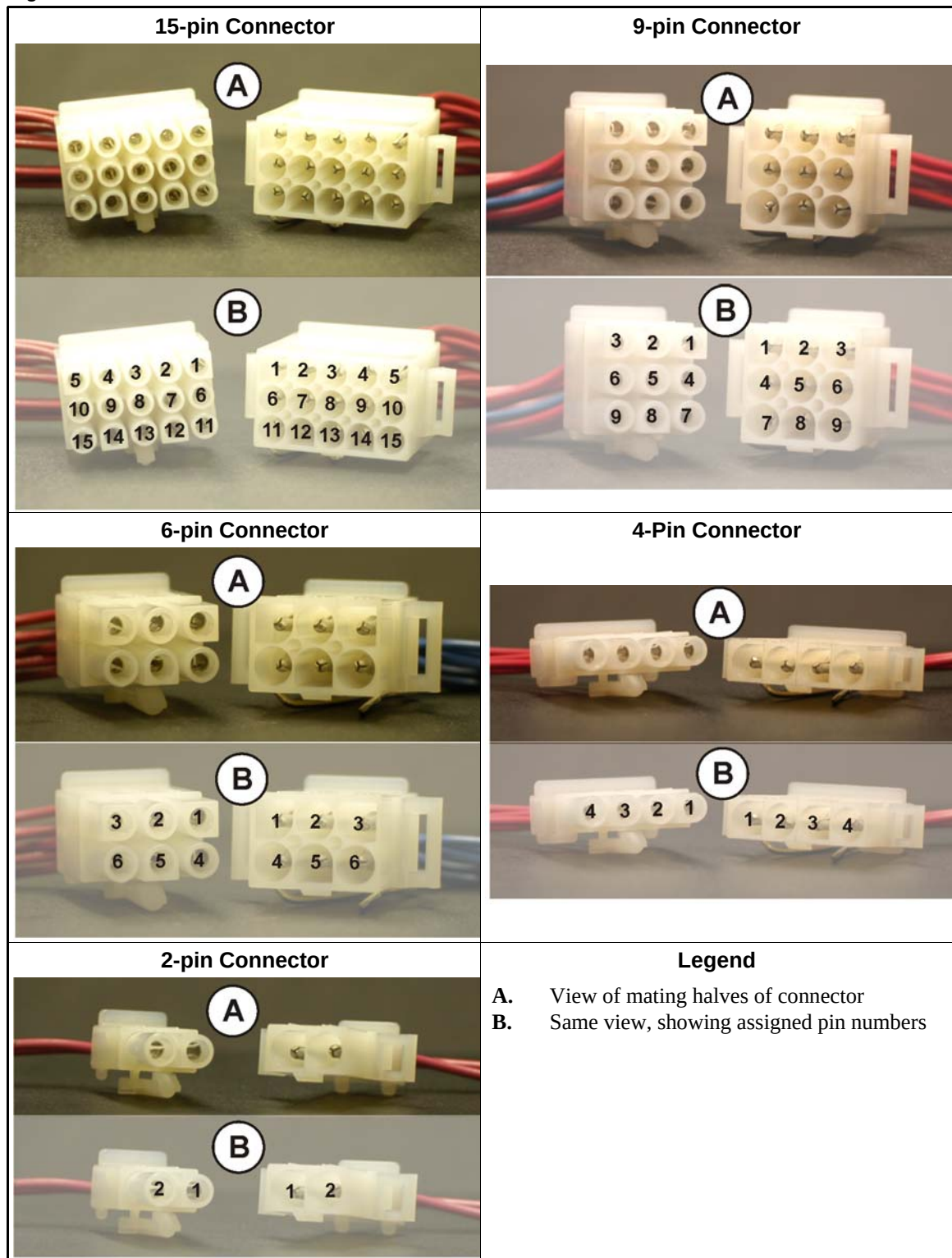


Figure 25: Pressure Switch

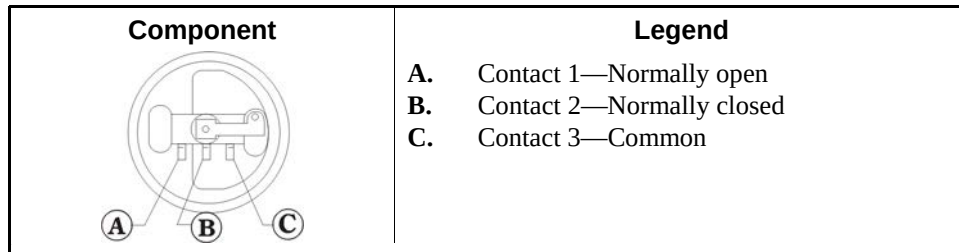


Figure 26: Toggle Switch

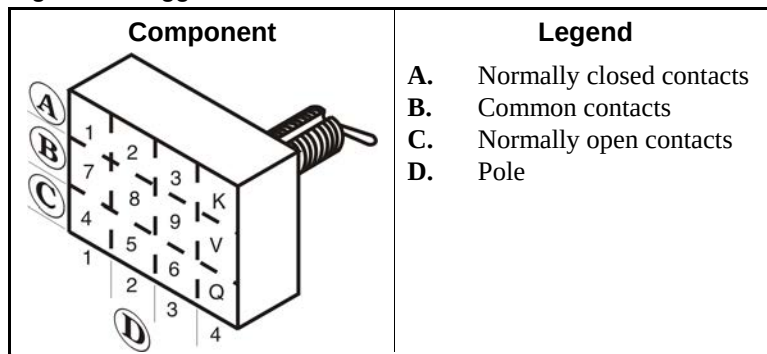
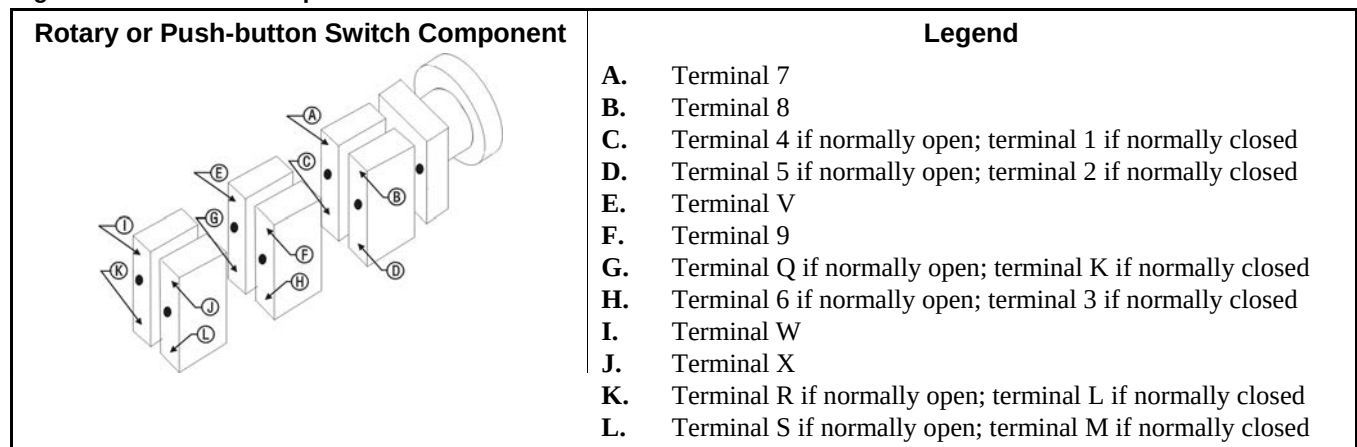


Figure 27: Switch with Replaceable Contact Blocks



3. Features of Milnor® Electrical Schematic Diagrams

Document BMP010012 (following this section) is a sample schematic, based on a schematic diagram for the Milnor® gas dryer. For the purposes of this exercise, the schematic is shown gray and explanations of the items on the schematic are shown black.

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

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

The characters following the first six are unique to each drawing. The two characters identified as the page number are an abbreviation for the function performed by the depicted

circuitry (S+=three-wire circuit) and establish the order in which the schematic occurs in the manual (schematics are arranged in alpha-numeric order in the manual).

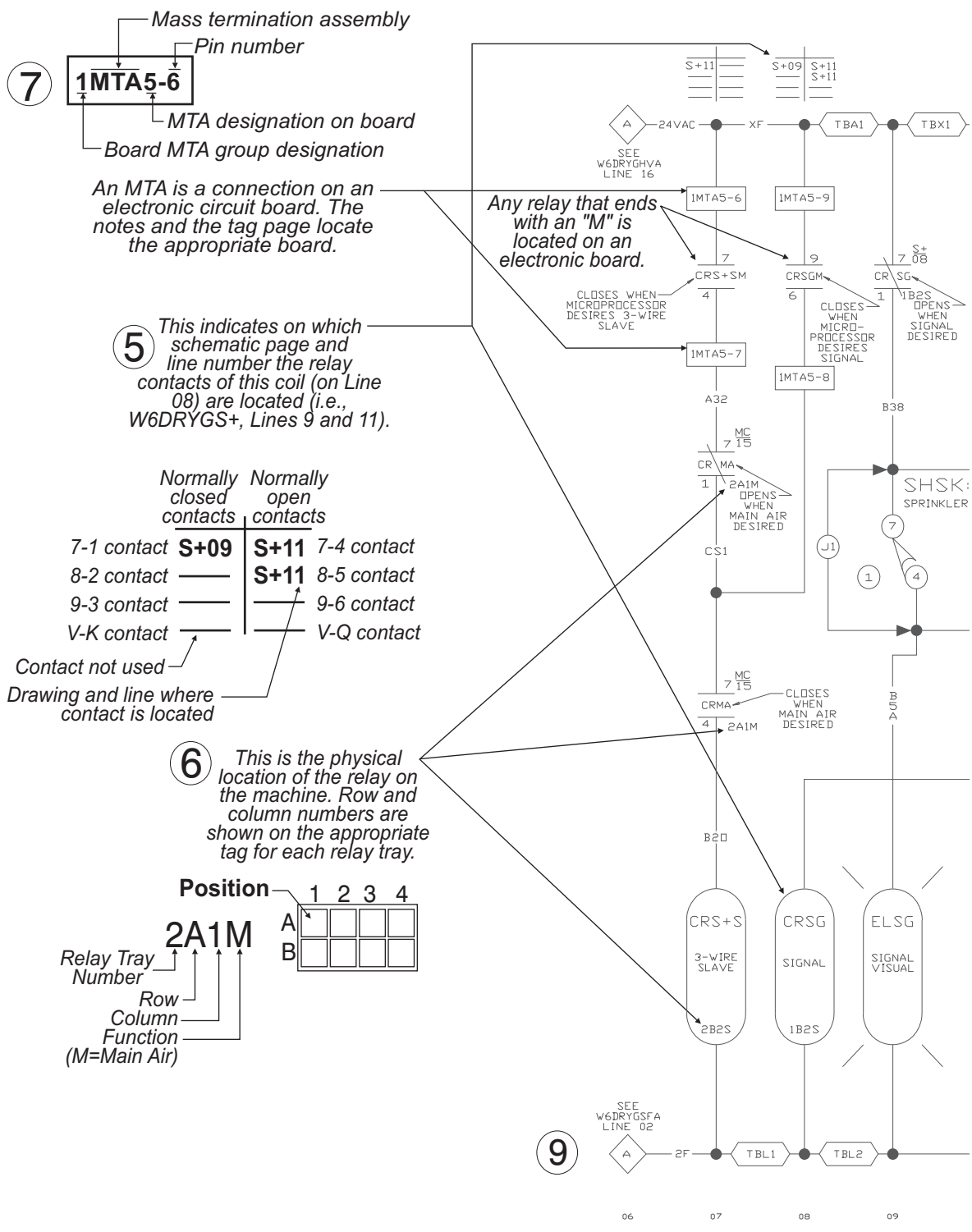
Whenever circuitry changes are significant enough to warrant publishing a new schematic drawing, the new drawing number will be the same as the old except for the major revision letter (A in the example).

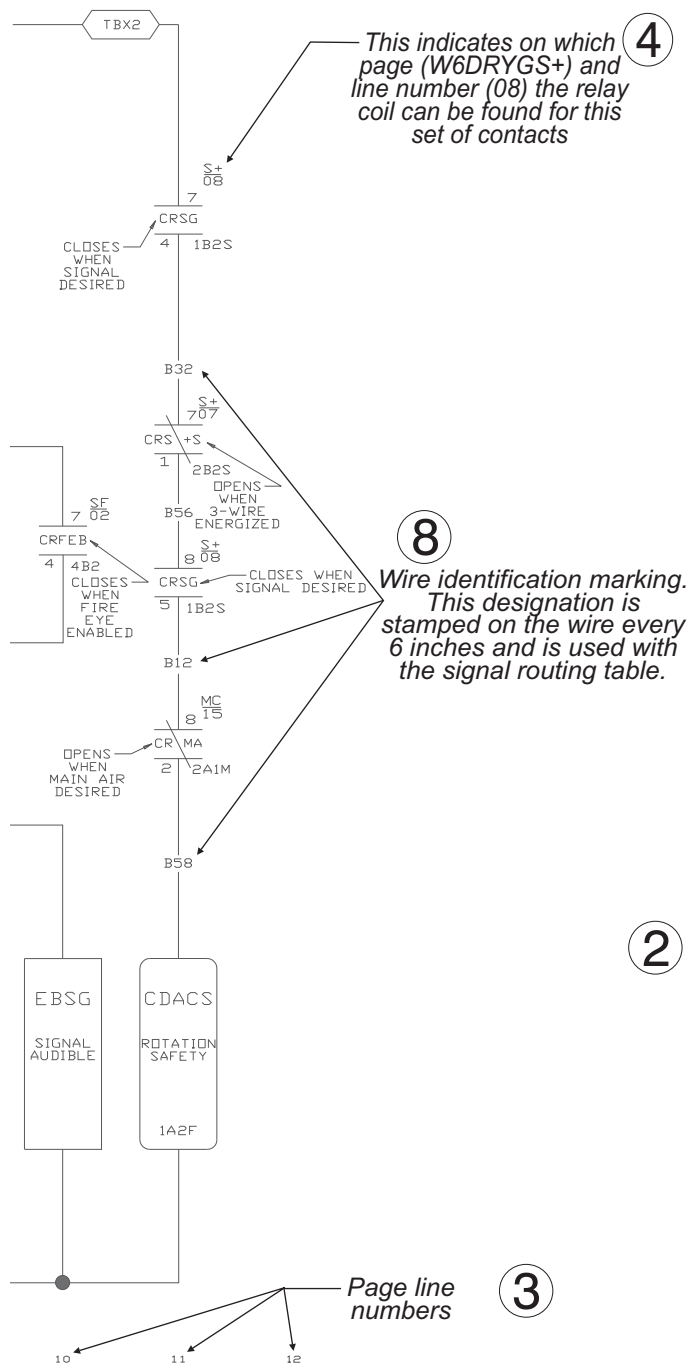
2. Included in the drawing title are the class of control system, the title of this circuit, and the circuit voltage.
3. Line numbers are provided along the bottom edge of the drawing. These permit service personnel in the field and at the Milnor® factory to quickly relate circuit locations when discussing troubleshooting over the phone. Page and line numbers are referenced on the drawing as explained in items five and six below.
4. Relay contacts show the page and line number on which the relay coil may be found. This is the type of cross referencing most frequently used in troubleshooting.
5. Relay coils show the page and line number on which its associated contacts are located.
6. Relay contacts and relay coils show the physical location of the relay.
7. The designation MTA applies to electronic circuit board connections. Typically, a control system will contain several different types of circuit boards and one or more boards of each type. A numerical suffix identifies the board type and a numerical prefix identifies which one of several boards of a given type is being depicted. For example, the designation 1MTA5 identifies this as the first I/O board (8 output, 16 input board) in the control system. As shown on the drawing, a pin number follows the board number, separated by a dash. Thus, 1MTA5-9 is pin 9 on this board. The numerical designations for board types vary from one control system to another. Some of the board types commonly encountered on the Mark V and Mark VI washer-extractor control and their designations are as follows:
 - MTM1-MTM8 = Mother board
 - MTA1-MTA5 = 8 output, 16 input (8/16) boards
 - MTA11-MTA14 = 24 output boards
 - MTA30-MTA40 = processor boards
 - MTA41-MTA43 = digital to analog (D/A) boards
 - MTA51-MTA55 = analog to digital (A/D) boards
 - MTA81-MTA85 = balance A-D board

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

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

— End of BIUUUK01 —





Major revision (letter)

① Page number (S+)

Machine type (Gas fired dryer)

6th generation of controls

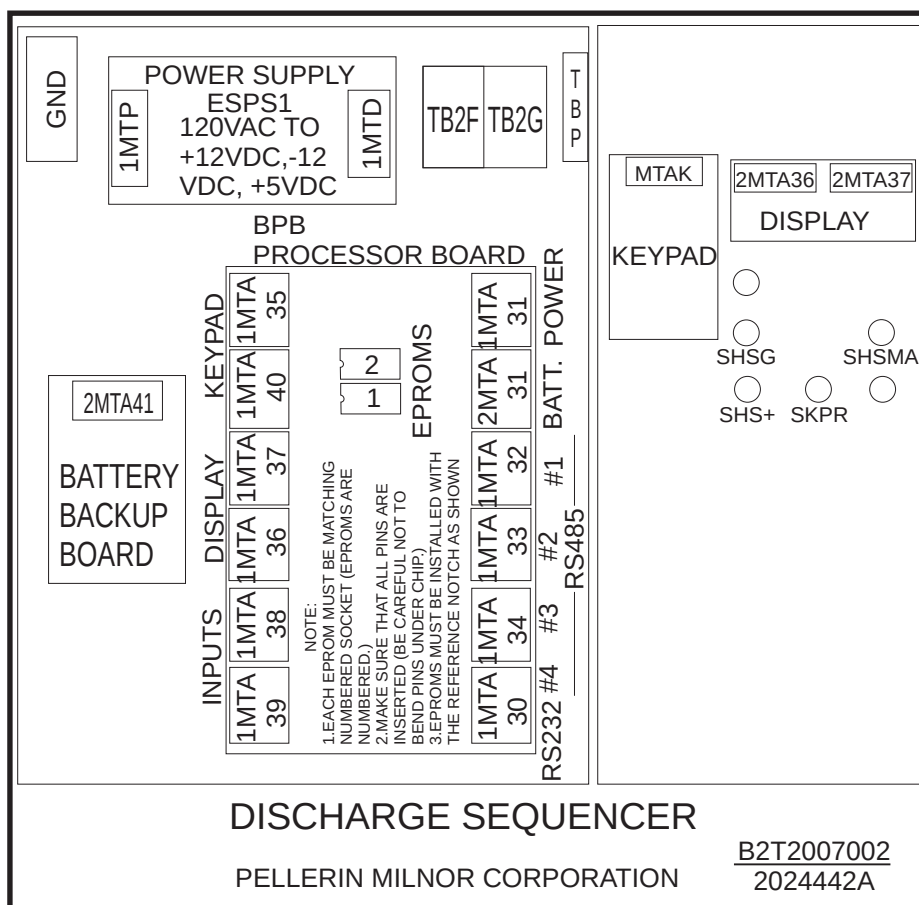
W = Wiring

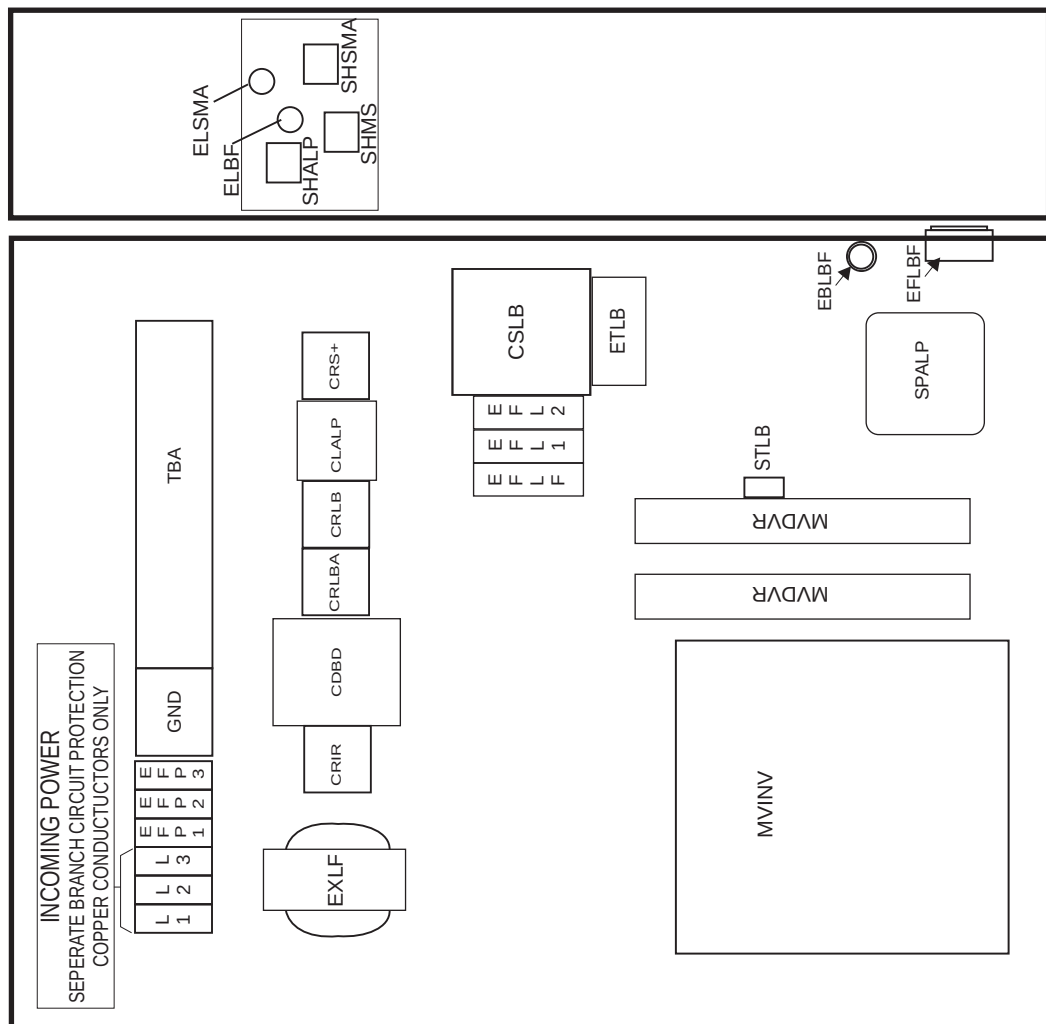
Class of control system

Title of this circuit
Voltage of this circuit

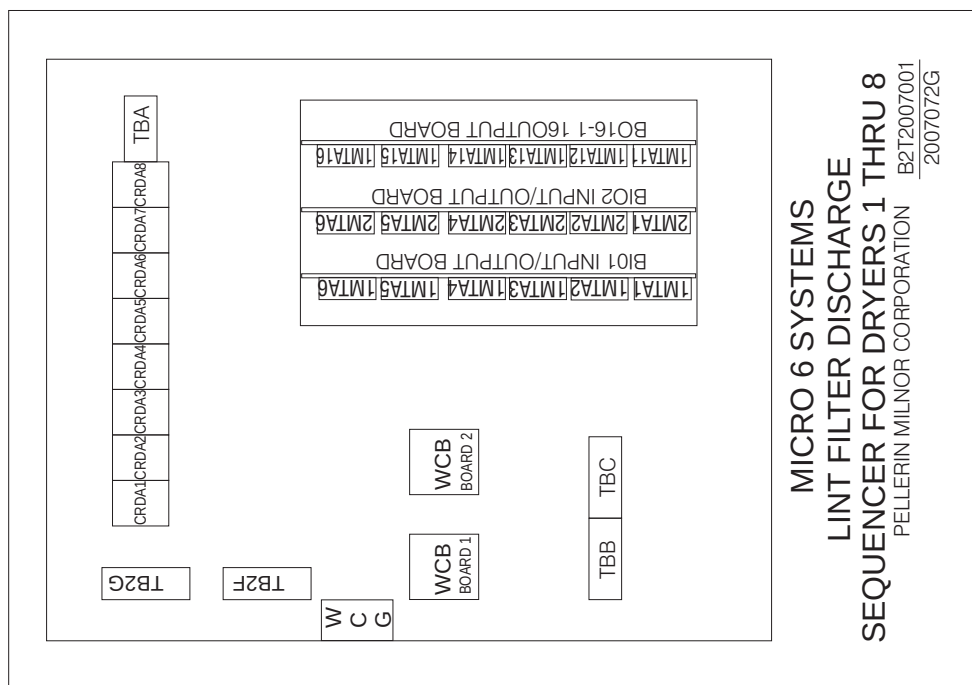
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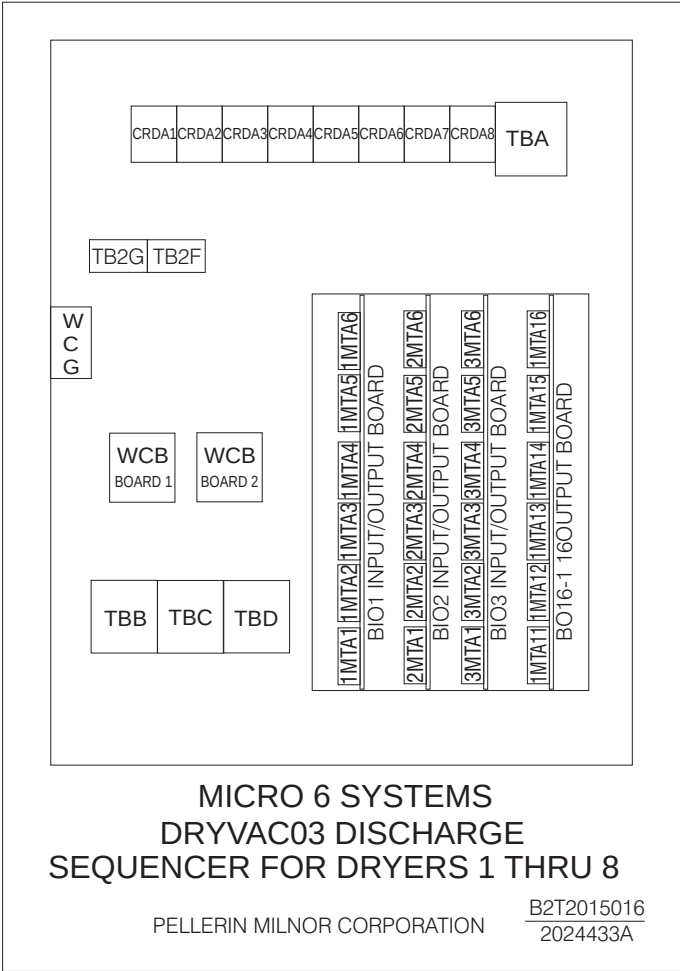
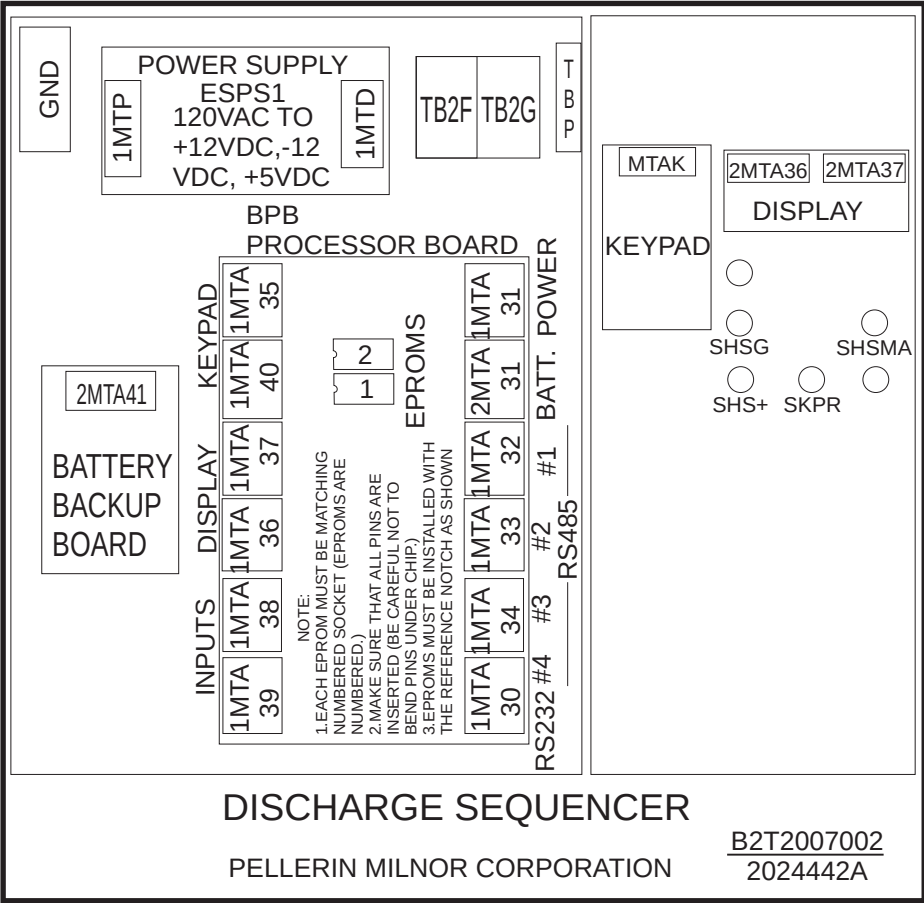
1. TBL IS LOCATED IN LEFT CONTROL BOX.
2. TBA IS LOCATED IN RIGHT CONTROL BOX.
3. TBX IS LOCATED IN LEFT CONTROL BOX.
4. 1MTA5 IS LOCATED ON BID1 (8 OUTPUT-16 INPUT BOARD).
5. REMOVE (J1) IF DRYER HAS VALVE SET SHUT OPTION.

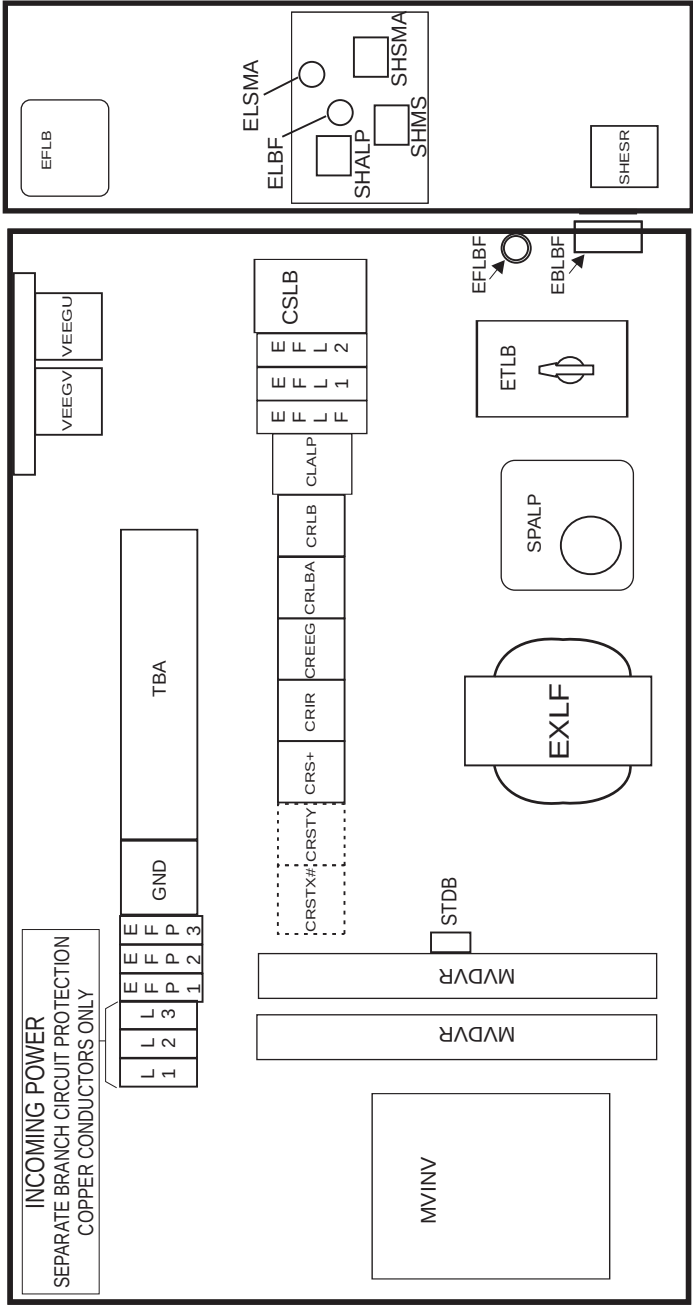




W6DSTAG1
MICRO 6 SYSTEMS
CONTROL BOX LAYOUTS
PELLERIN MILNOR CORPORATION







MICRO 6 SYSTEMS
MK 8 DRYVAC03 CONTROL BOX
PELLERIN MILNOR CORPORATION

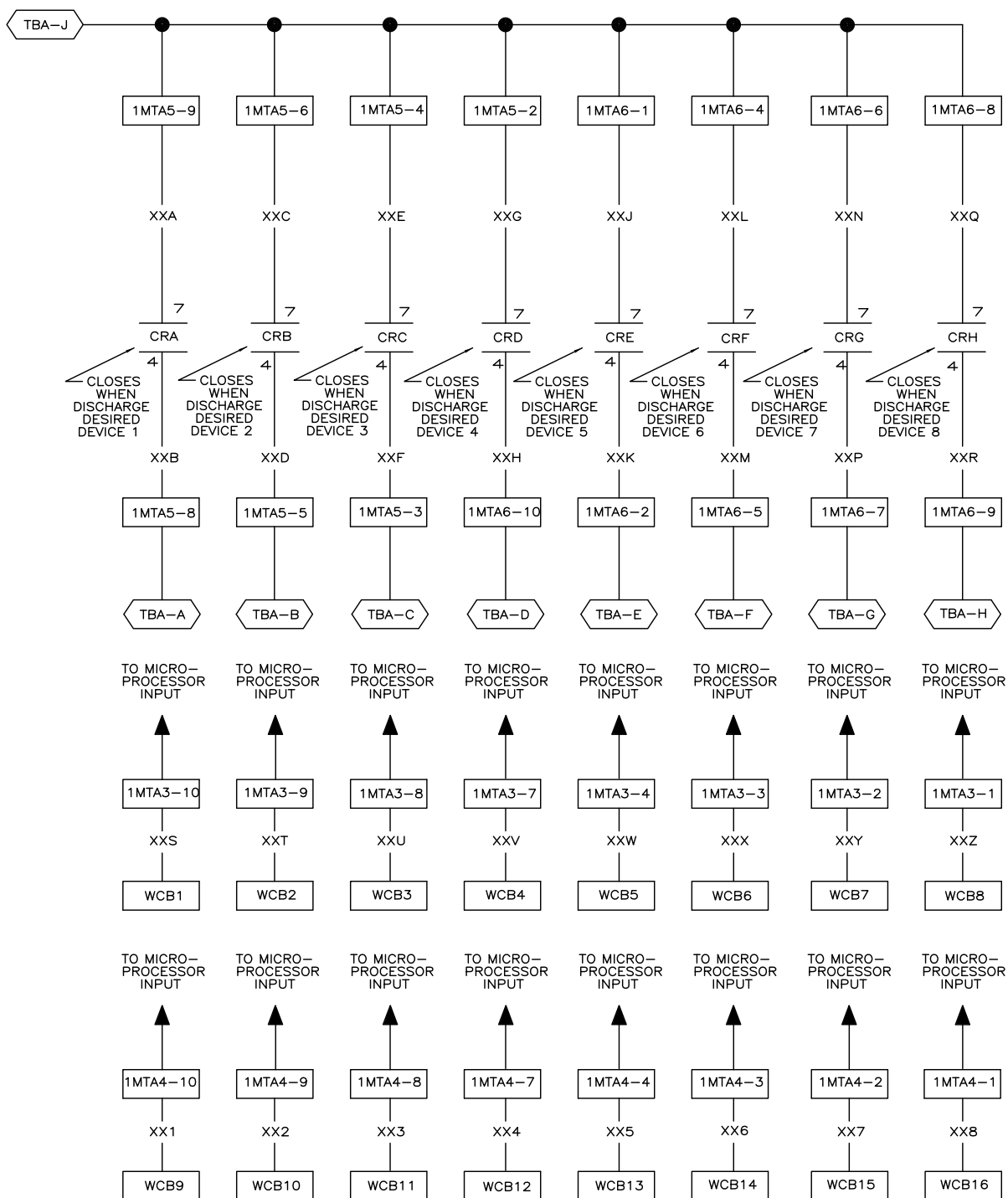
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W6DSTAG2

MICRO 6 SYSTEMS

DRYVAC03 CONTROL BOX LAYOUTS

PELLERIN MILNOR CORPORATION



W6DSA15B
20015404B

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03

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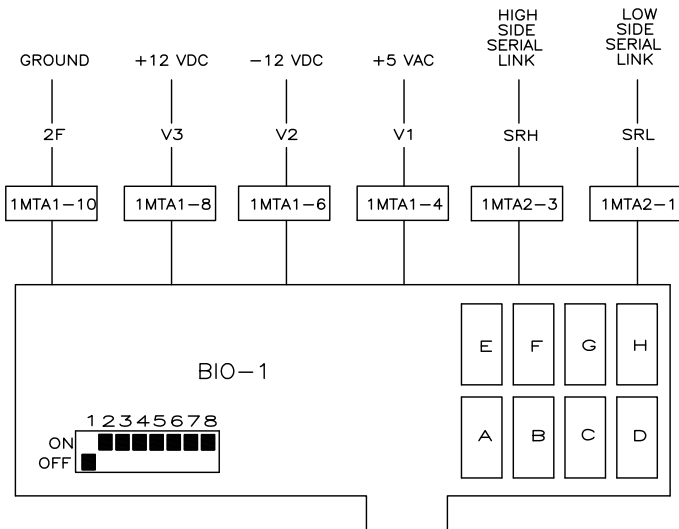
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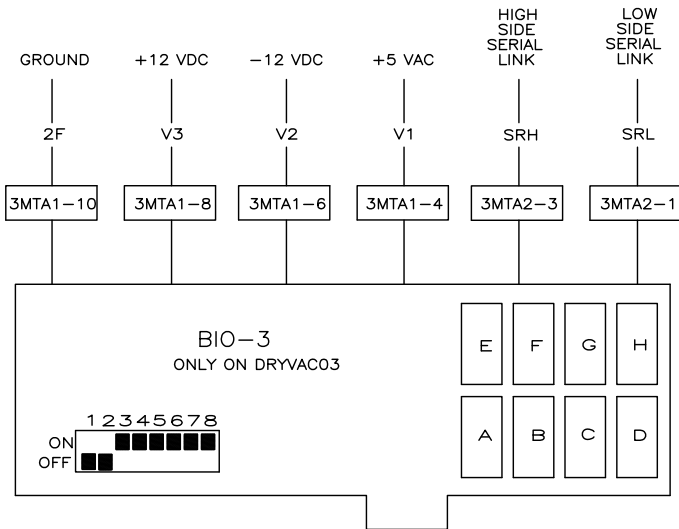
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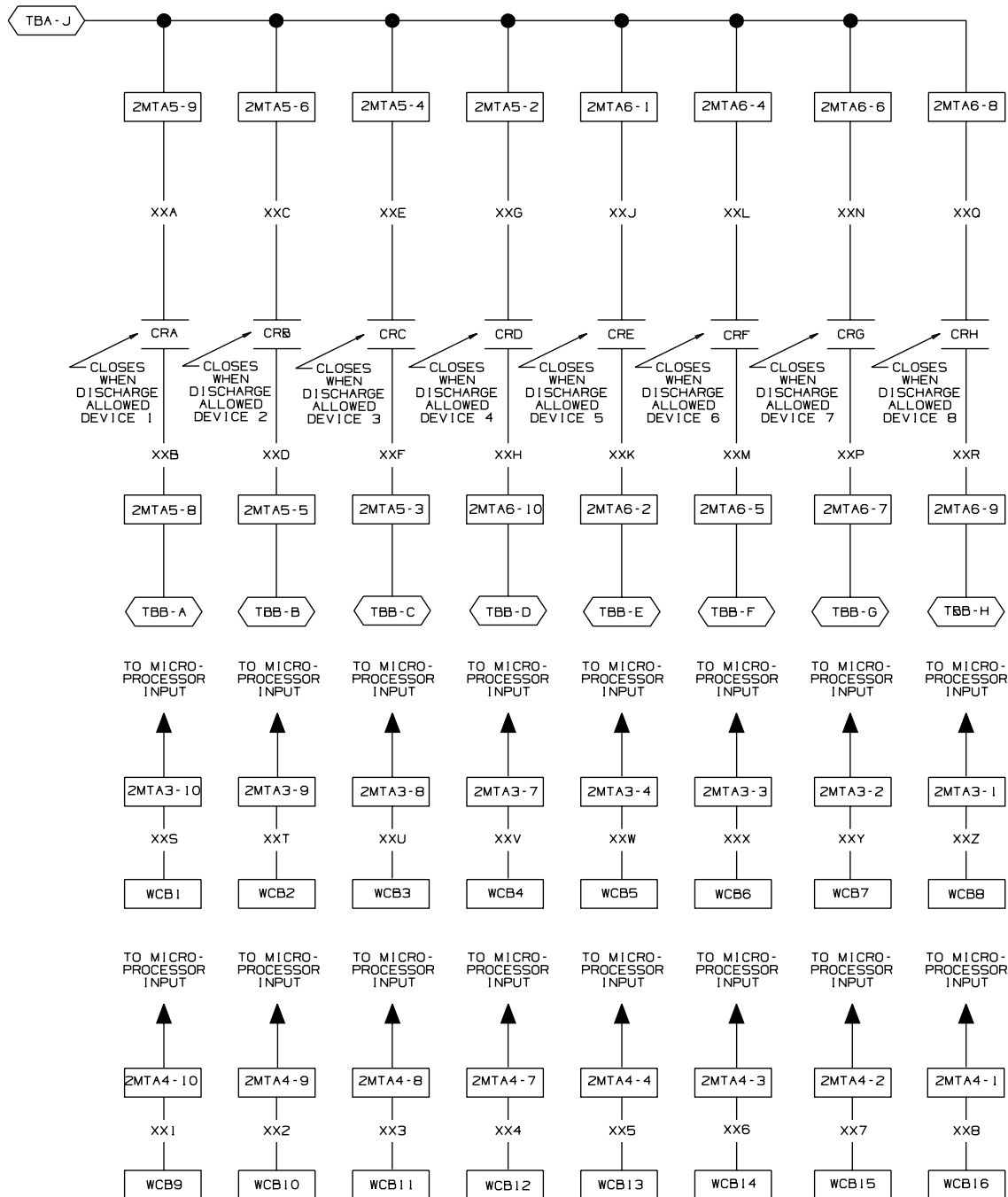
10



XXS = DEVICE 1 DESIRES DISCHARGE
XXT = DEVICE 2 DESIRES DISCHARGE
XXU = DEVICE 3 DESIRES DISCHARGE
XXV = DEVICE 4 DESIRES DISCHARGE
XXW = DEVICE 5 DESIRES DISCHARGE
XXX = DEVICE 6 DESIRES DISCHARGE
XXY = DEVICE 7 DESIRES DISCHARGE
XXZ = DEVICE 8 DESIRES DISCHARGE
XX1 = DEVICE 9 DESIRES DISCHARGE
XX2 = DEVICE 10 DESIRES DISCHARGE
XX3 = DEVICE FINISHED
XX4 = DEVICE 11 DESIRES DISCHARGE
XX5 = DEVICE 12 DESIRES DISCHARGE
XX6 = DEVICE 13 DESIRES DISCHARGE
XX7 = DEVICE 14 DESIRES DISCHARGE
XX8 = DEVICE 15 DESIRES DISCHARGE



W6DSA15B
MICRO 6 SYSTEMS
SCHEMATIC: DISCHARGE SEQUENCER
(8 OUTPUT 16 INPUT)
PELLERIN MILNOR CORPORATION



00

01

02

03

04

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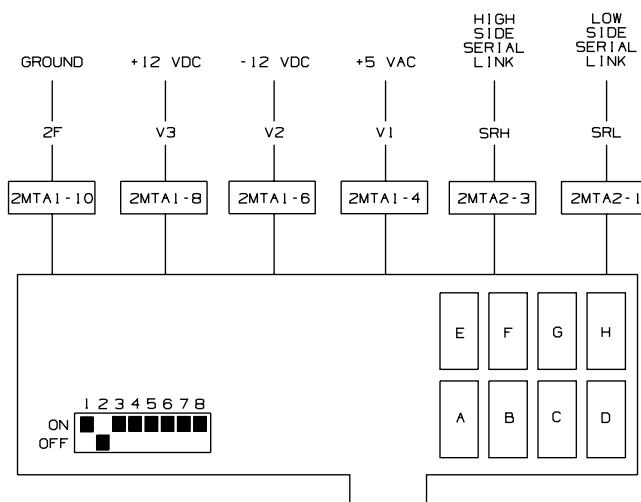
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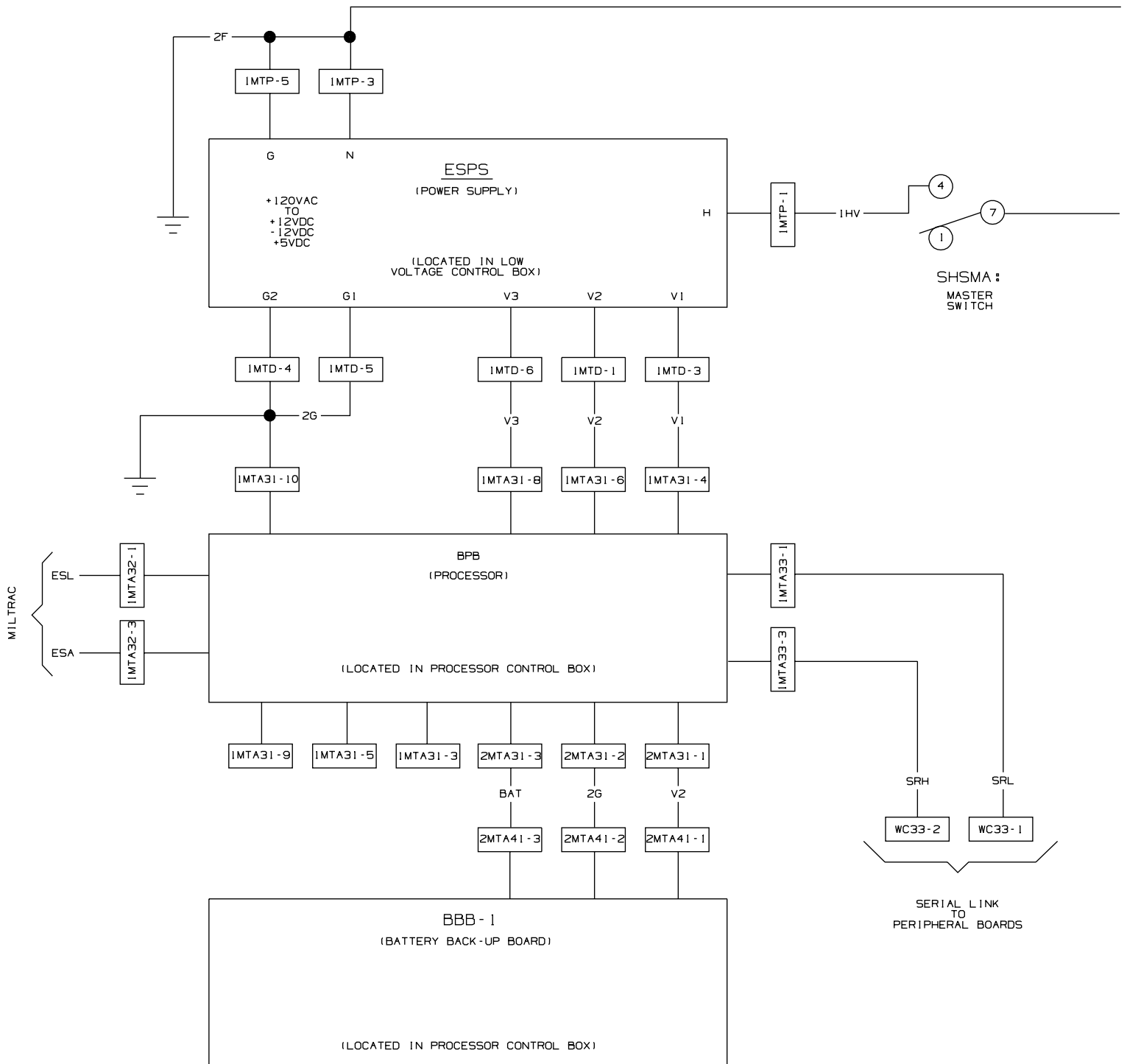
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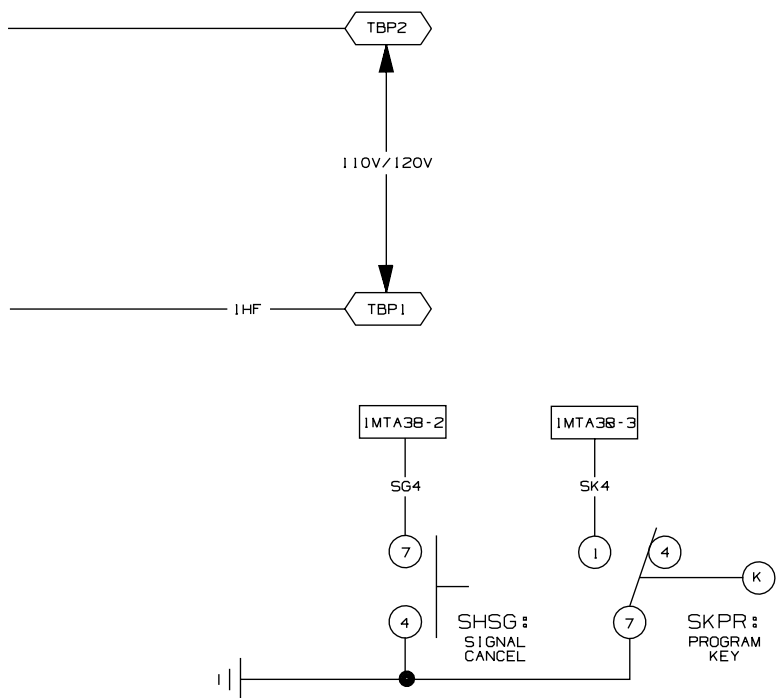


DEVICE 1 CANCEL DISCHARGE
 DEVICE 2 CANCEL DISCHARGE
 DEVICE 3 CANCEL DISCHARGE
 DEVICE 4 CANCEL DISCHARGE
 DEVICE 5 CANCEL DISCHARGE
 DEVICE 6 CANCEL DISCHARGE
 DEVICE 7 CANCEL DISCHARGE
 DEVICE 8 CANCEL DISCHARGE
 DEVICE 9 CANCEL DISCHARGE
 DEVICE 10 CANCEL DISCHARGE
 DEVICE 11 CANCEL DISCHARGE
 DEVICE 12 CANCEL DISCHARGE
 DEVICE 13 CANCEL DISCHARGE
 DEVICE 14 CANCEL DISCHARGE
 DEVICE 15 CANCEL DISCHARGE

W6DSB15B MICRO 6 SYSTEMS SCHEMATIC: DISCHARGE SEQUENCER 15 DEVICES (8 OUTPUT, 16 INPUTS) PELLERIN MILNOR CORPORATION



00 01 02 03 04 05 06 07 08 09 10



WIRE COLORING CODE

WIRE NO.	VOLTAGE	WIRE COLOR
V1	+5VDC	BLUE
V2	+12VDC	BLUE/ORANGE
V3	-12VDC	BLUE/BLACK
SG	SIGNAL GROUND	BLUE/WHITE
SRH	SERIAL HIGH	BLUE/RED
SRL	SERIAL LOW	BLUE/BLACK
ESH	MILNET HIGH	BLUE/RED
ESL	MILNET LOW	BLUE/BLACK
2F	CONTROL GROUND	RED/WHITE
24VAC	LOW VOLTAGE CONTROL	RED/BLUE
120VAC	HIGH VOLTAGE CONTROL	RED
INPUTS	INPUTS TO MICRO	BLUE/BLACK
OUTPUTS	OUTPUTS FROM MICRO	RED/BLACK
MSL	MAID LOW	BLUE/BLACK
MSH	MAID HIGH	BLUE/RED

W6DS015B
MIRCO 6 SYSTEMS
DEVICE SEQUENCER
SCHEMATIC: BOARD TO BOARD WIRING
110V50HZ/120V60HZ
PELLERIN MILNOR CORPORATION

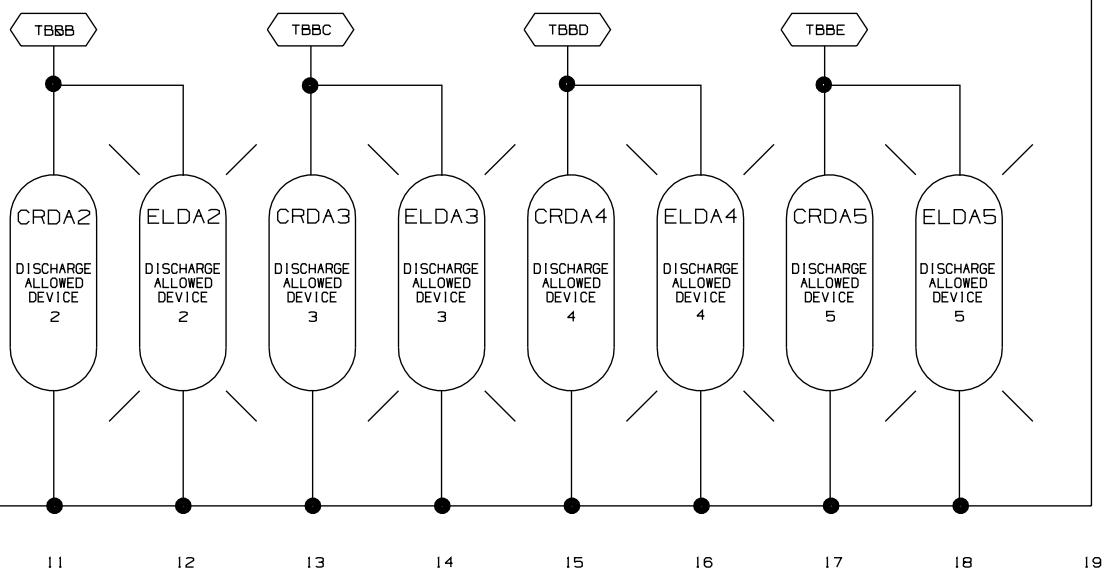
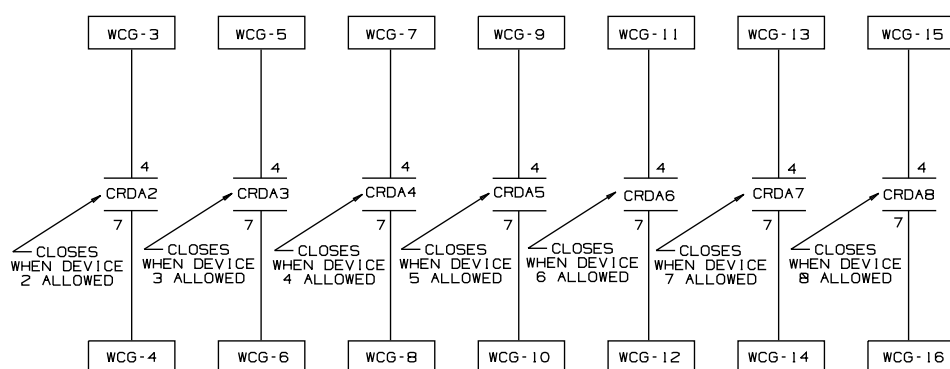
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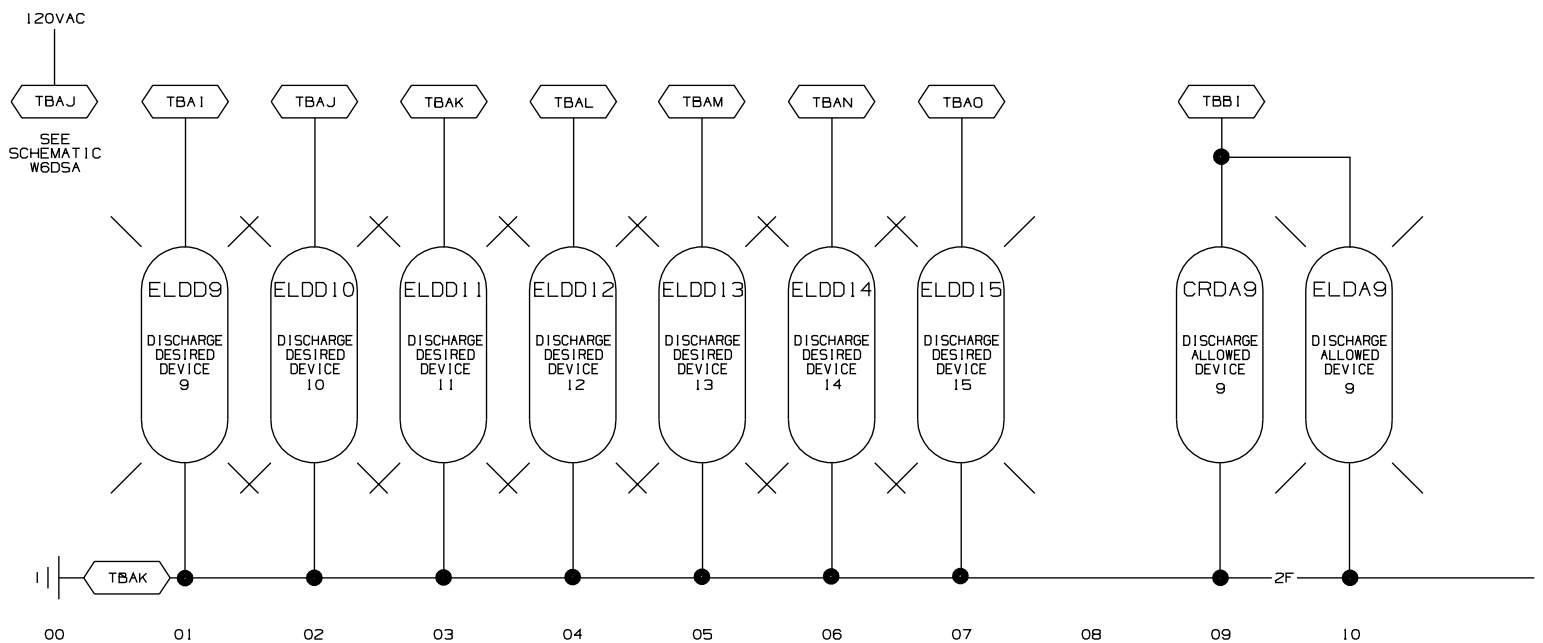
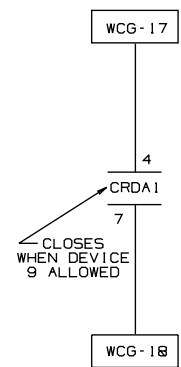
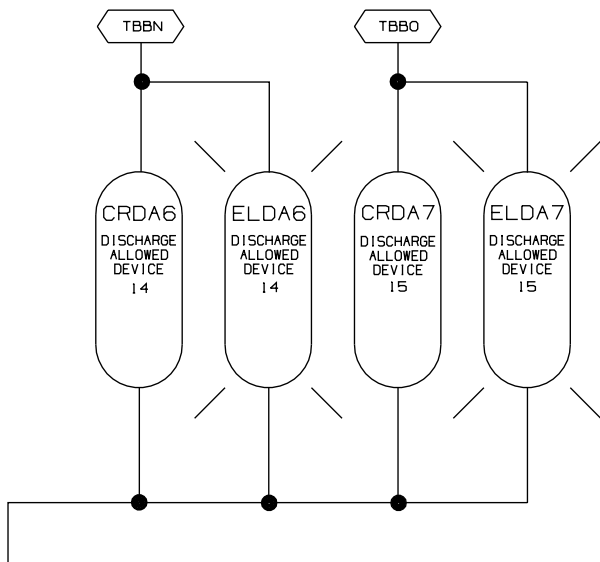
W6DSE15B

MICRO 6 SYSTEMS

SCHEMATIC: DISCHARGE SEQUENCER

PELLERIN MILNOR CORPORATION



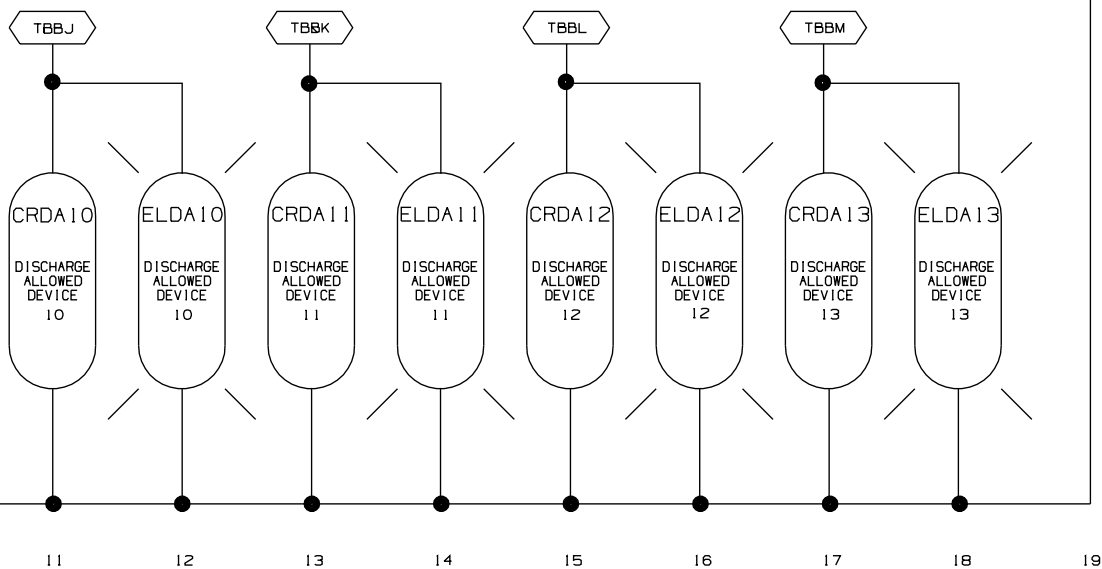
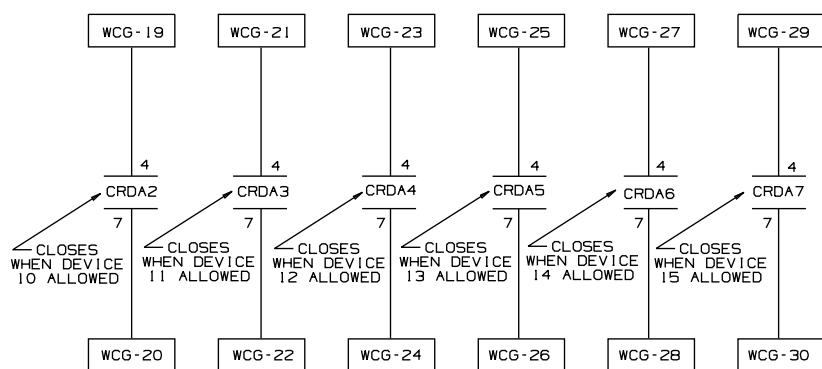


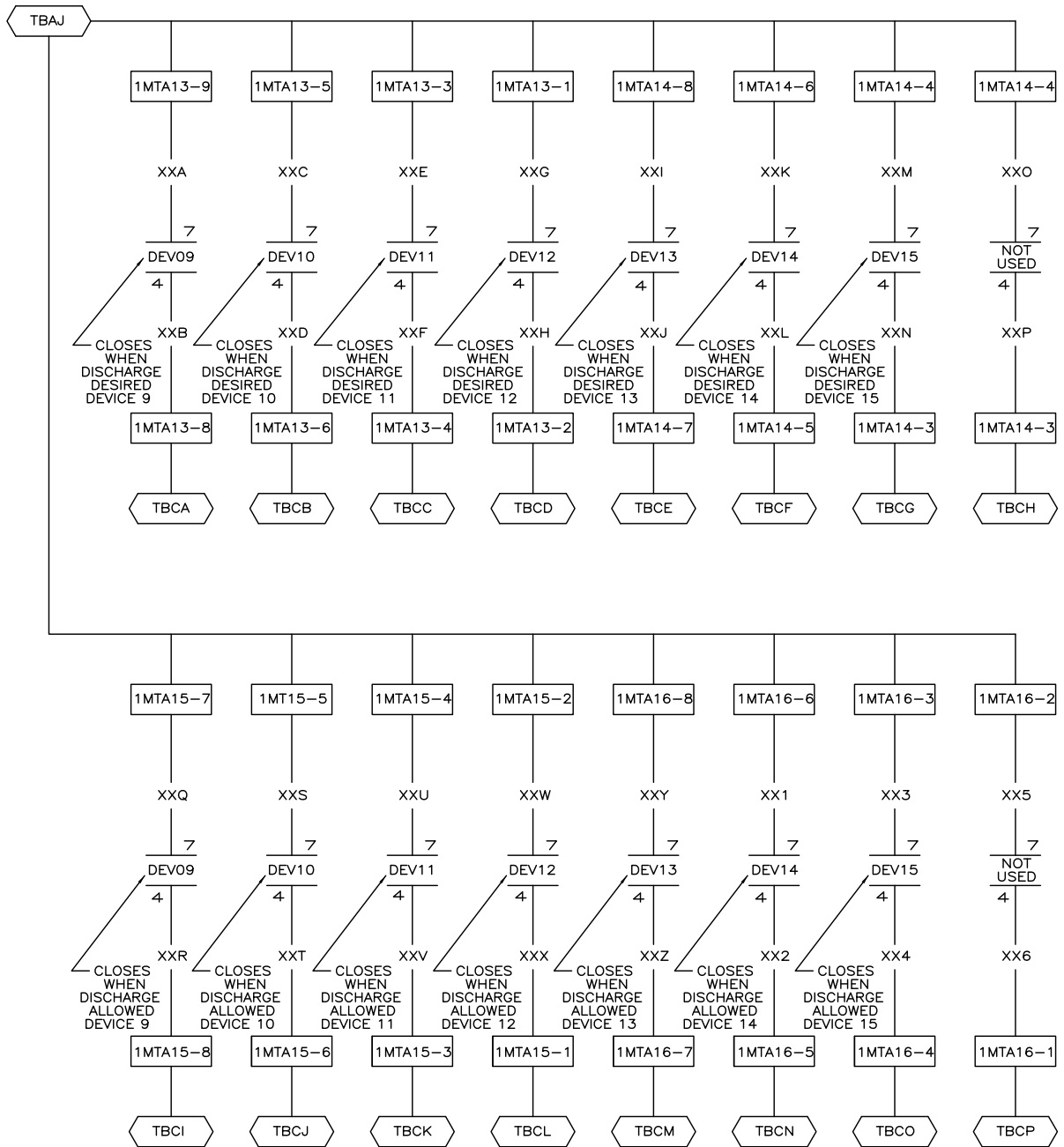
W6DSF15B

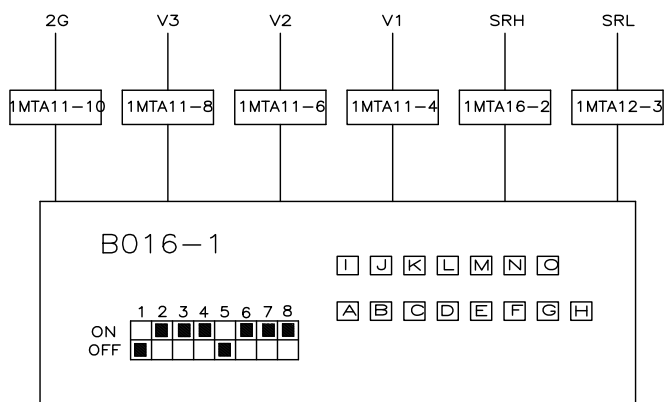
MICRO 6 SYSTEMS

SCHEMATIC: DISCHARGE SEQUENCER

PELLERIN MILNOR CORPORATION





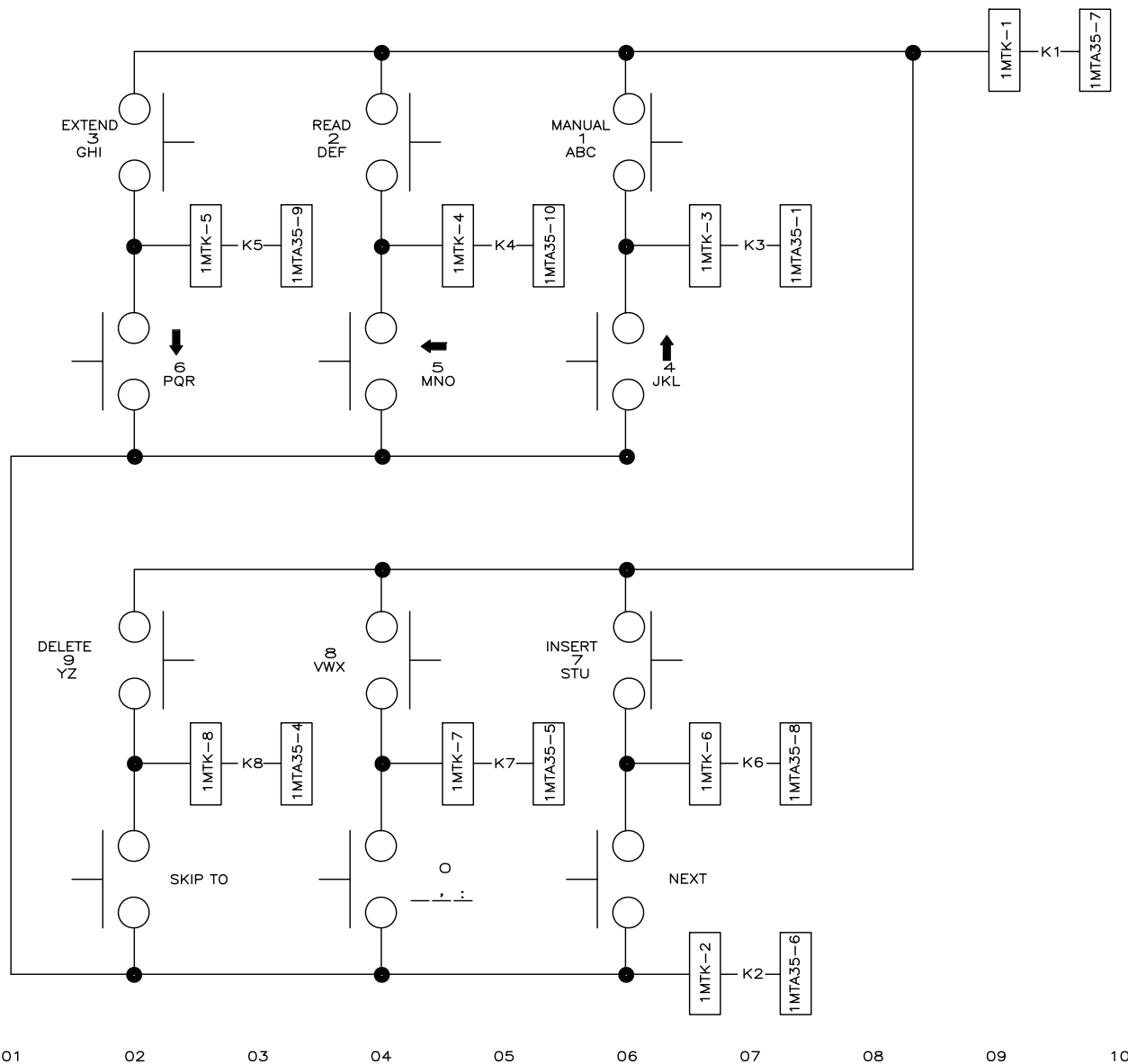


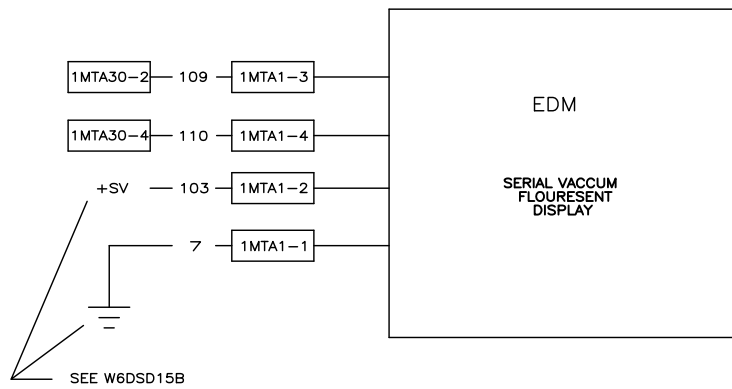
W6DSG15B

MICRO 6 SYSTEMS SCHEMATIC: DISCHARGE SEQUENCER OUTPUTS PELLERIN MILNOR CORPORATION

W6DSG15B
2017203B

W6DSG15B
2017203B





NOTES

1. 1MTA30 IS LOCATED ON BPB (PROCESSOR BOARD).
2. 1MTA1 IS LOCATED ON SERIAL DISPLAY BOARD.

W6DSKPD

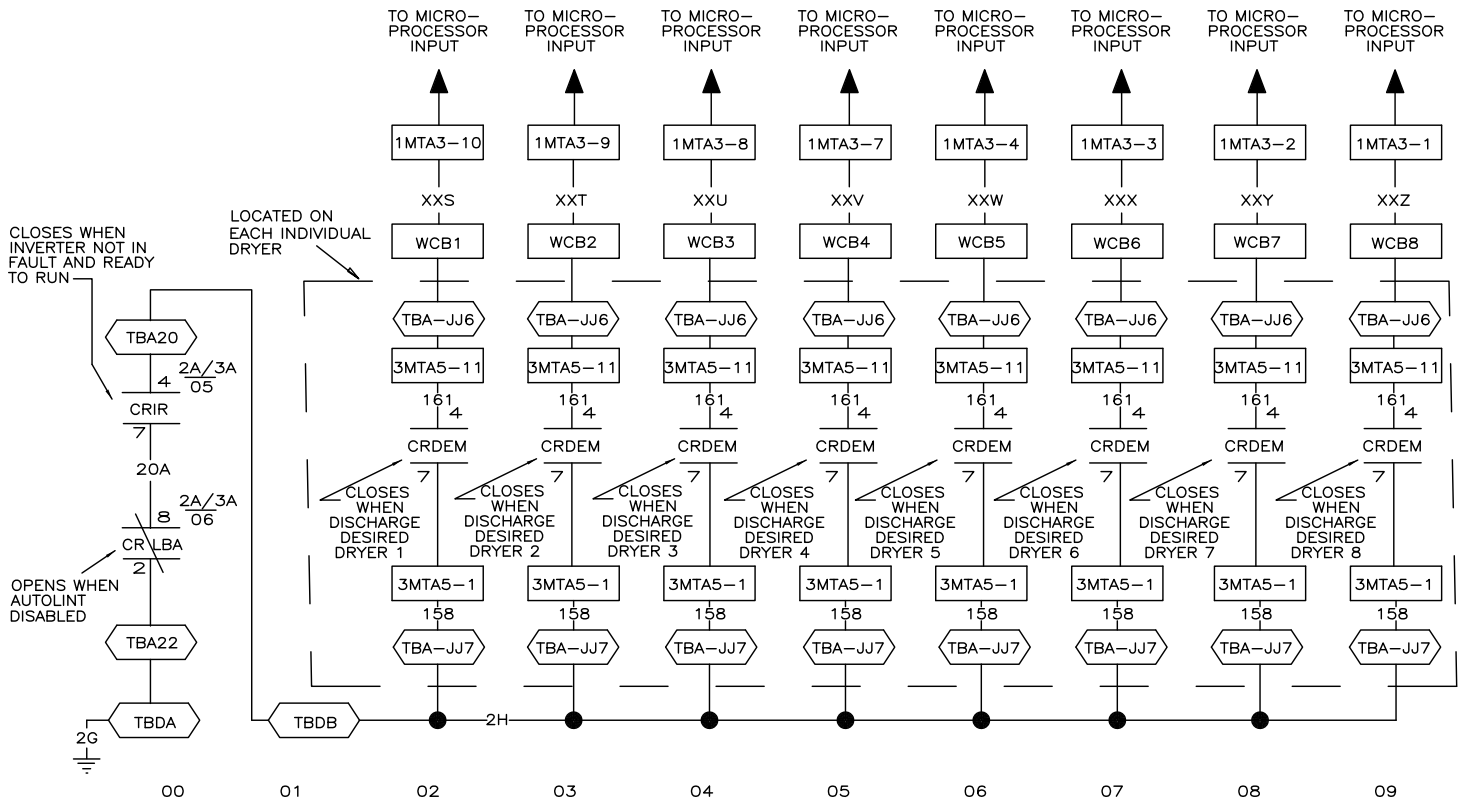
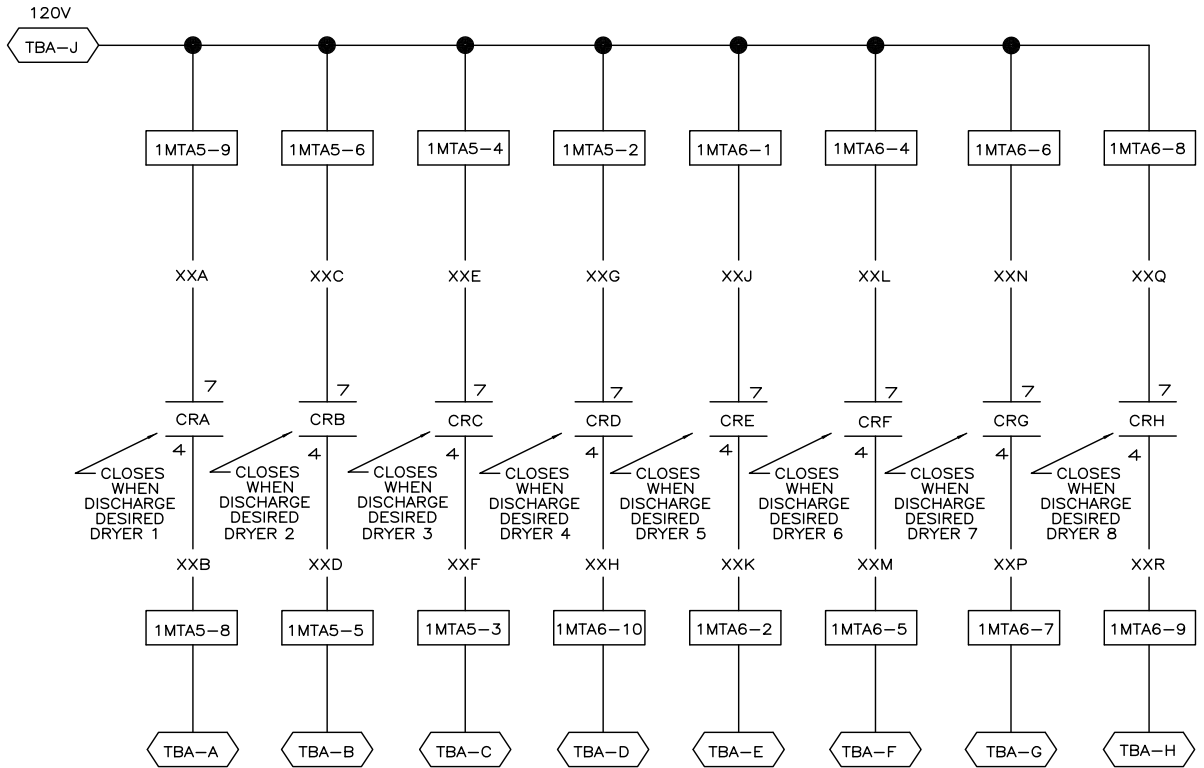
MICRO 6 SYSTEMS

SERIAL CONTROLS MARK II

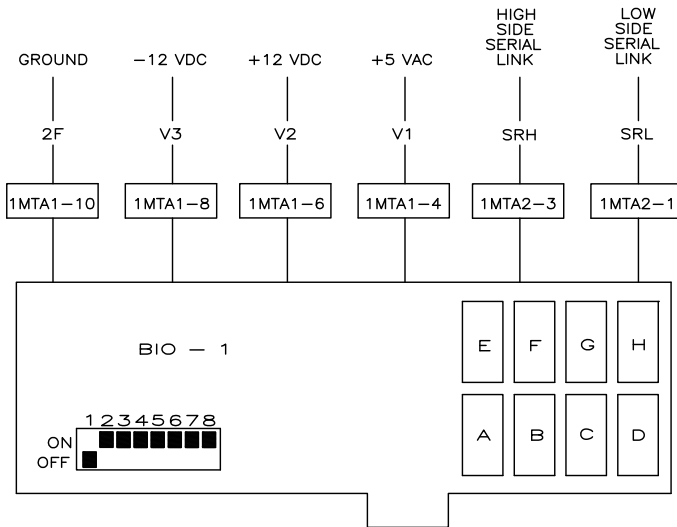
SCHEMATIC: SERIAL VFD DISPLAY/KEYPAD

PELLERIN MILNOR CORPORATION

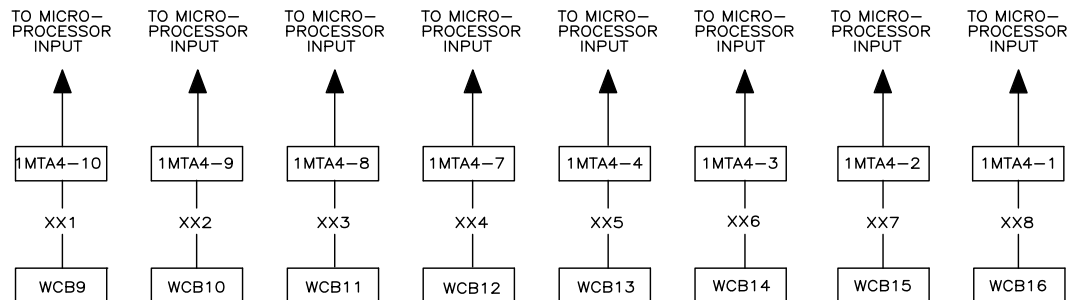
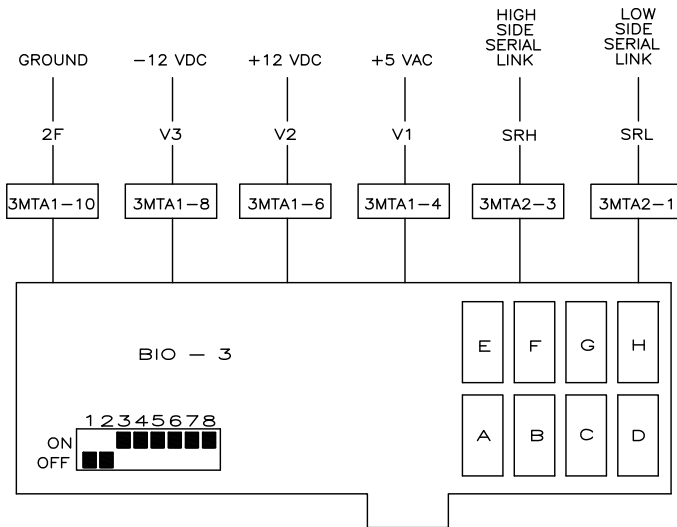
SEE TBP1
W6DS15B
LINE 12



W6DSA15C
2025132B



XXS = DEVICE 1 DESIRES DISCHARGE
 XXT = DEVICE 2 DESIRES DISCHARGE
 XXU = DEVICE 3 DESIRES DISCHARGE
 XXV = DEVICE 4 DESIRES DISCHARGE
 XXW = DEVICE 5 DESIRES DISCHARGE
 XXX = DEVICE 6 DESIRES DISCHARGE
 XXY = DEVICE 7 DESIRES DISCHARGE
 XXZ = DEVICE 8 DESIRES DISCHARGE
 XX1 = DEVICE 9 DESIRES DISCHARGE
 XX2 = DEVICE 10 DESIRES DISCHARGE
 XX3 = DEVICE FINISHED
 XX4 = DEVICE 11 DESIRES DISCHARGE
 XX5 = DEVICE 12 DESIRES DISCHARGE
 XX6 = DEVICE 13 DESIRES DISCHARGE
 XX7 = DEVICE 14 DESIRES DISCHARGE
 XX8 = DEVICE 15 DESIRES DISCHARGE



W6DSA15C

MICRO 6 SYSTEMS

SCHEMATIC: LINT FILTER DISCHARGE SEQUENCER

(8 OUTPUT 16 INPUT)

PELLERIN MILNOR CORPORATION

SEE
W6DSA15C
LINE 13

WCB-11

DEVICE
FINISHED
INPUT

XX3

4

TBA-XX3

3MTA5-19

4

CRFHM

7

CLOSES
WHEN DRYER #1
MICROPROCESSOR
SAYS I'M FINISHED

3MTA5-10

TBA-JJ9

TBC-1

5

CRDA1

8

CLOSES
WHEN DRYER
1 ALLOWED

DRYER 1

3MTA4-1

TBA-JJ0

WCG-1

4

CRDA1

7

CLOSES
WHEN DRYER
1 ALLOWED

WCG-2

TBBF

TBBG

TBBH

CRDA6
DISCHARGE
ALLOWED
DRYER
6

ELDA6
DISCHARGE
ALLOWED
DRYER
6

CRDA7
DISCHARGE
ALLOWED
DRYER
7

ELDA7
DISCHARGE
ALLOWED
DRYER
7

CRDA8
DISCHARGE
ALLOWED
DRYER
8

ELDA8
DISCHARGE
ALLOWED
DRYER
8

TBAA

TBAB

TBAC

TBAD

TBAE

TBAF

TBAG

TBAH

TBBA

ELDD1
DISCHARGE
DESIRED
DRYER
1

ELDD2
DISCHARGE
DESIRED
DRYER
2

ELDD3
DISCHARGE
DESIRED
DRYER
3

ELDD4
DISCHARGE
DESIRED
DRYER
4

ELDD5
DISCHARGE
DESIRED
DRYER
5

ELDD6
DISCHARGE
DESIRED
DRYER
6

ELDD7
DISCHARGE
DESIRED
DRYER
7

ELDD8
DISCHARGE
DESIRED
DRYER
8

CRDA1
DISCHARGE
ALLOWED
DRYER
1

ELDA1
DISCHARGE
ALLOWED
DRYER
1

TBAK

2F

00

01

02

03

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05

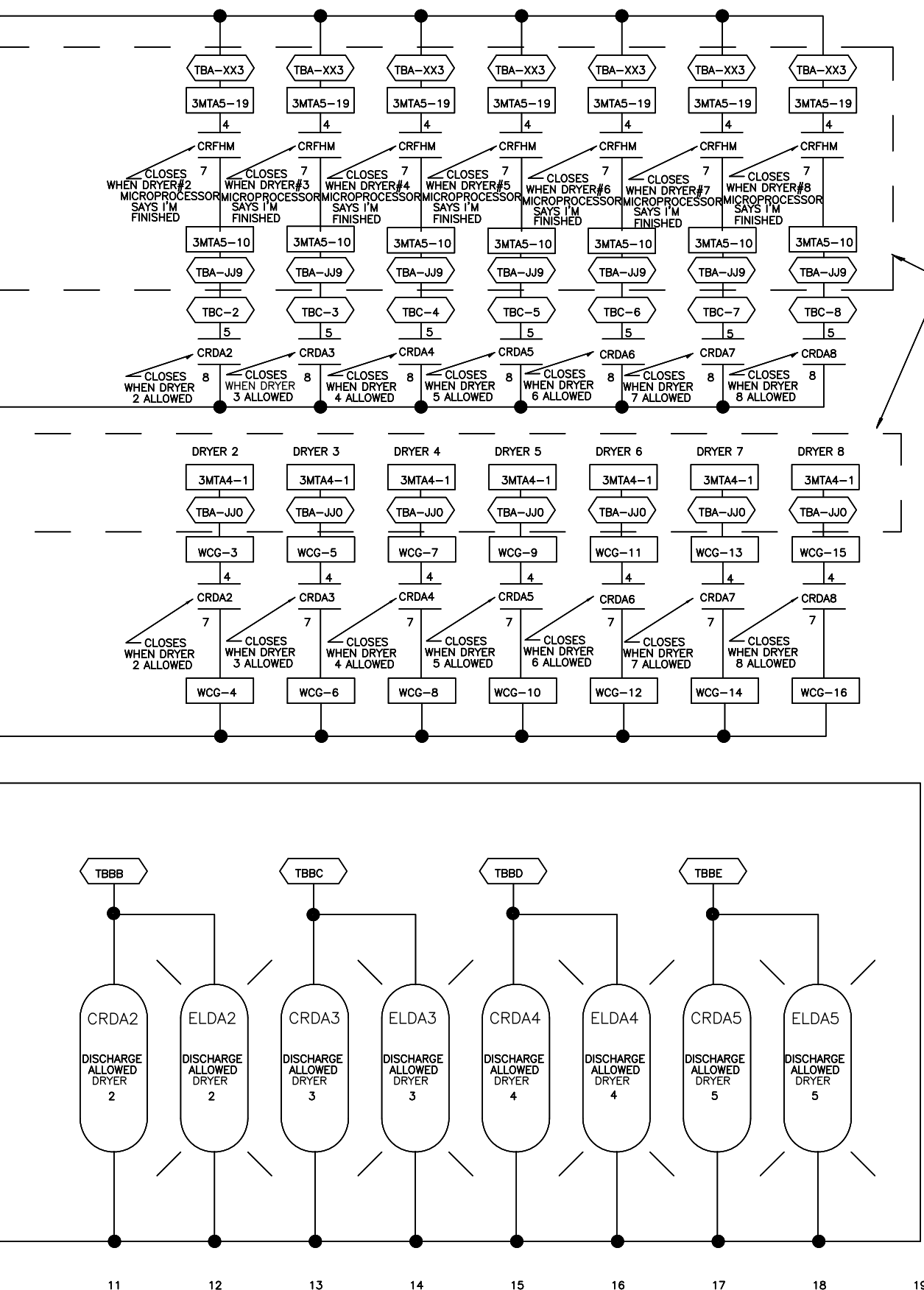
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W6DSE15C

MICRO 6 SYSTEMS

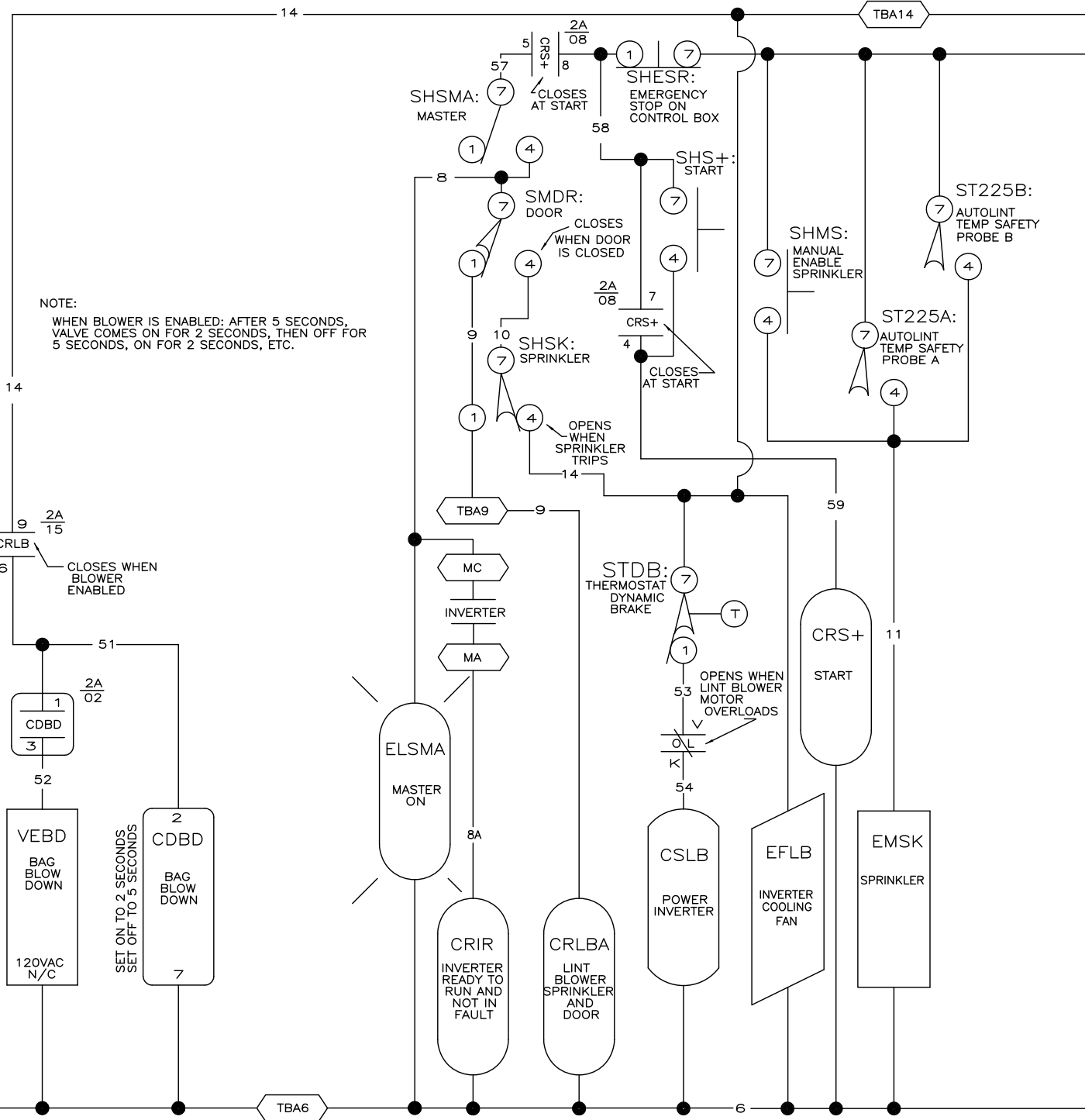
SCHEMATIC: DRYER LINT FILTER SEQUENCER

PELLERIN MILNOR CORPORATION

2A01

15C00 2A11
2A12 15C00

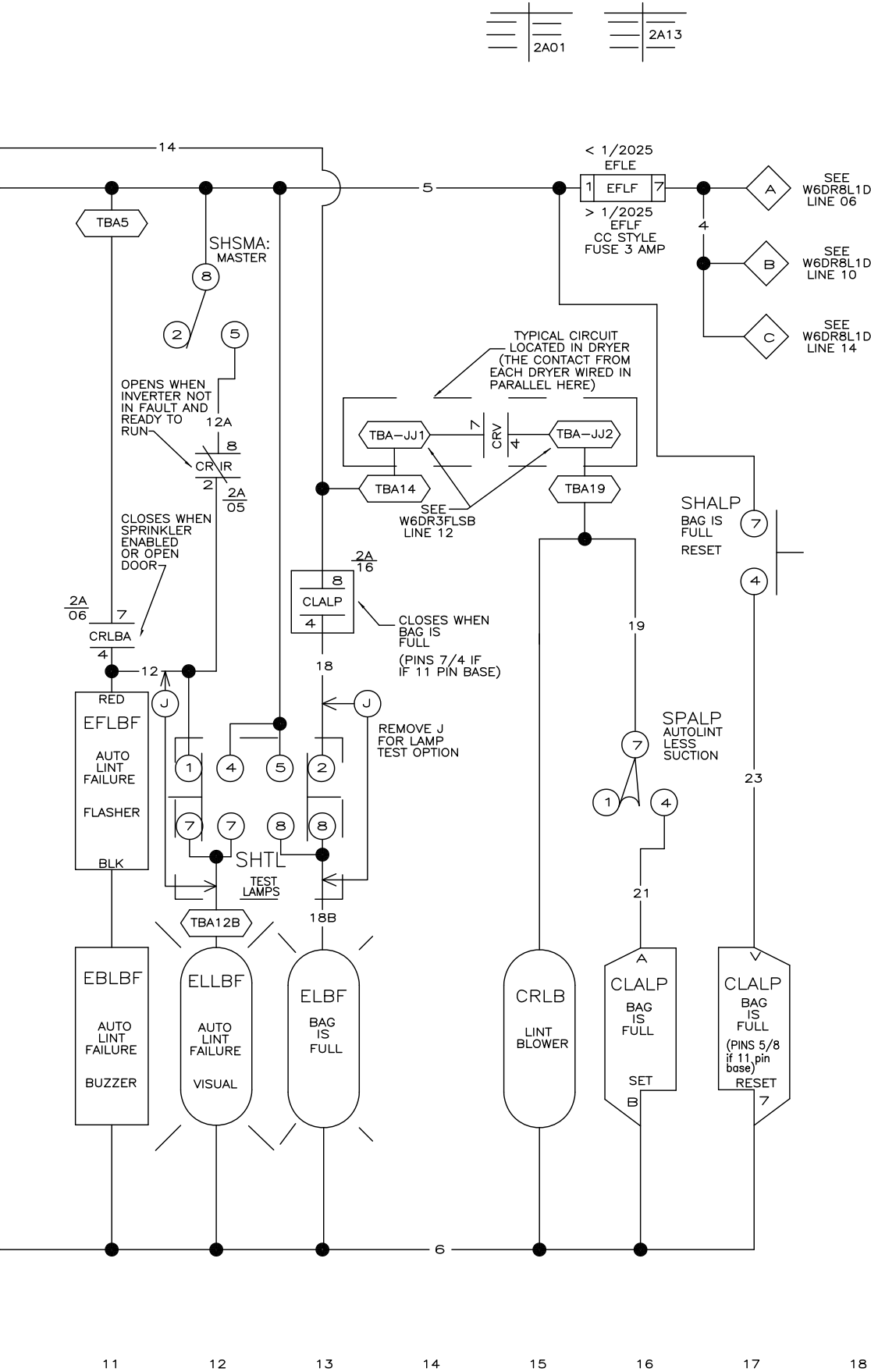
2A07 2A06



LITHO IN THE USA

00 01 02 03 04 05 06 07 08 09 10

W6DR8L2A
2025174B

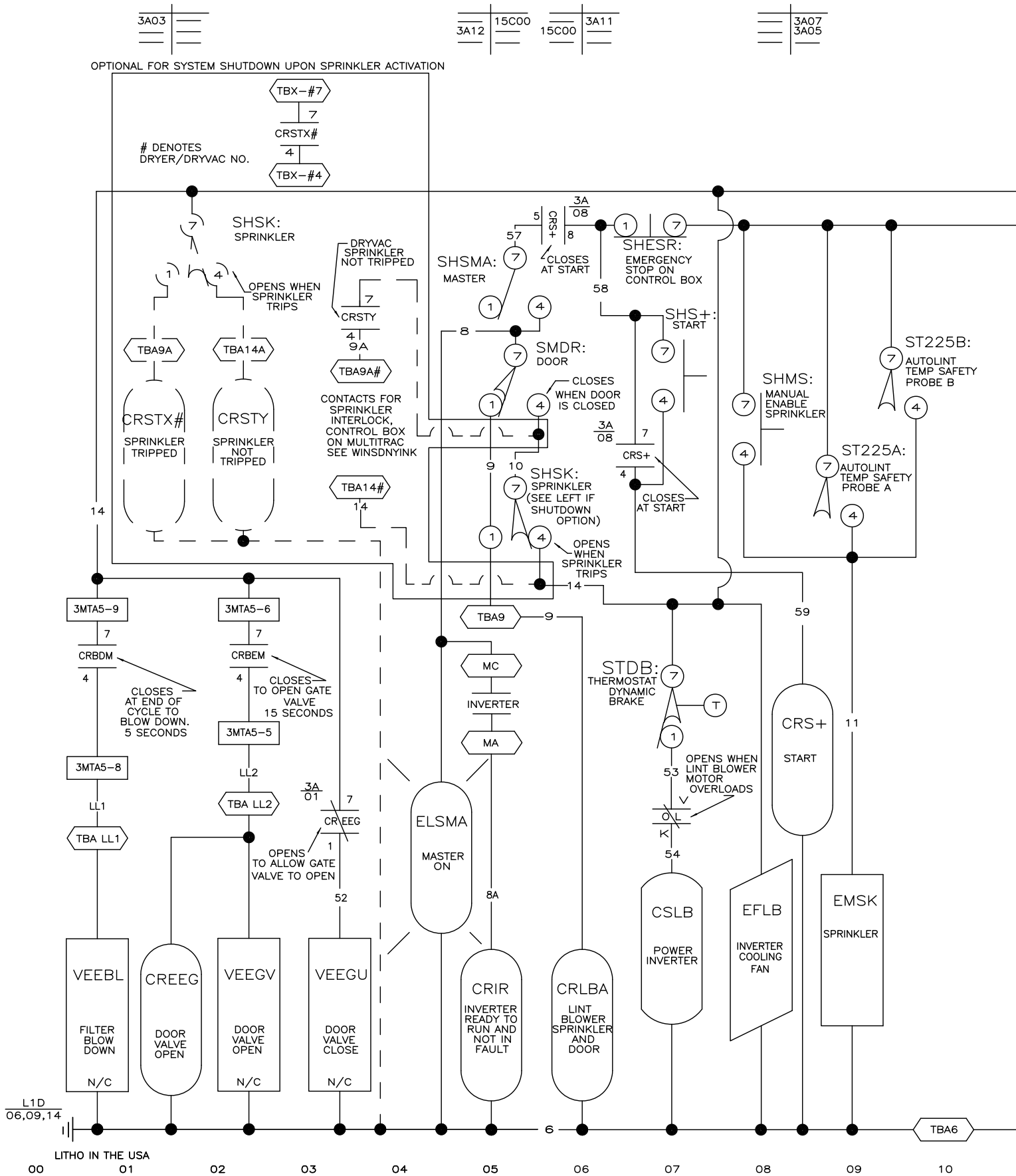


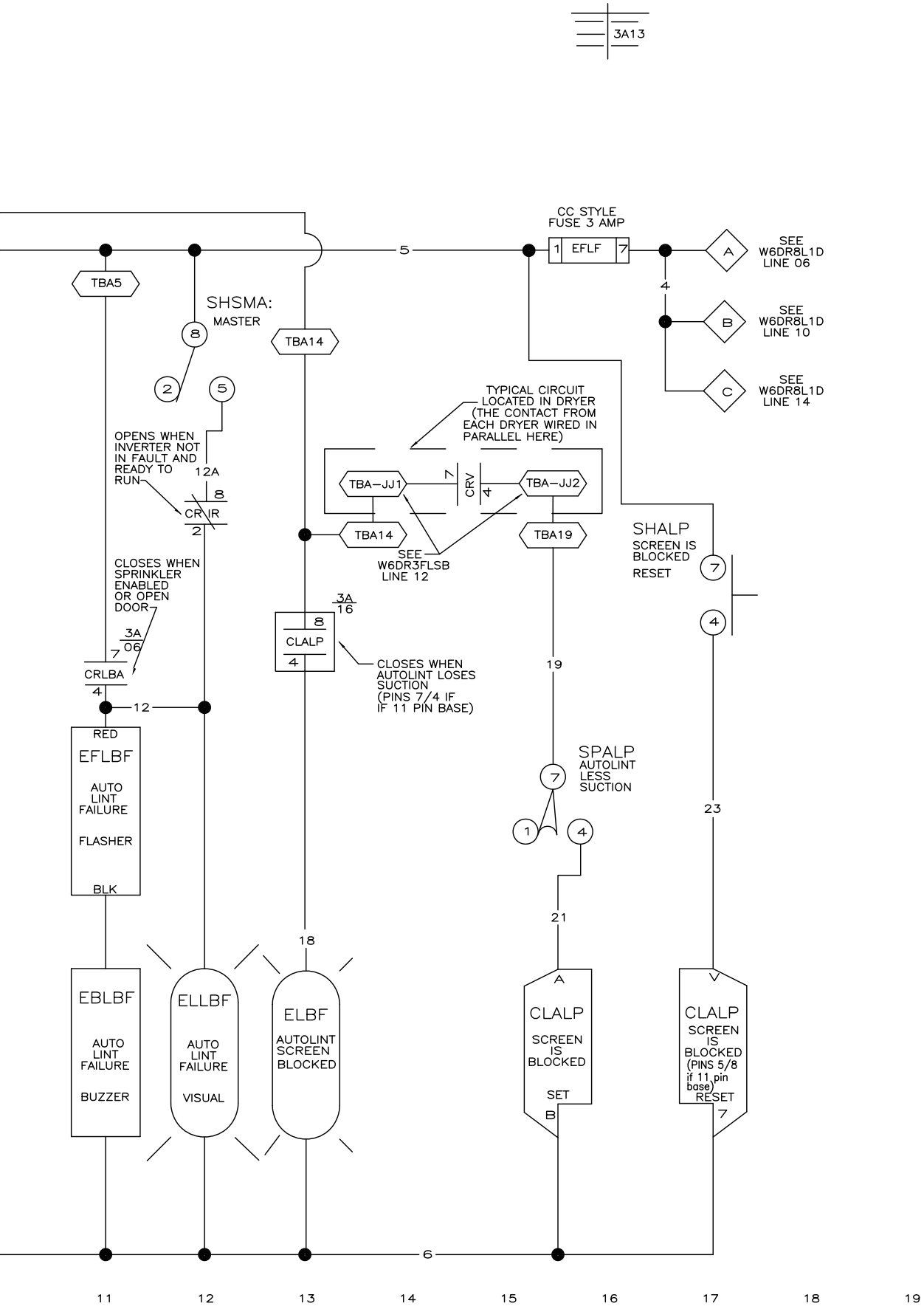
W6DR8L2A

MICRO 6 SYSTEMS MARK 8 CONTROLS

SCHEMATIC: DRYVACO2 LINT FILTER

PELLERIN MILNOR CORPORATION



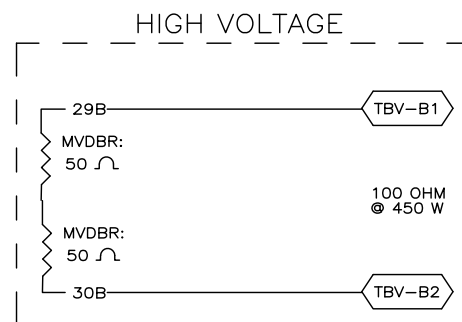
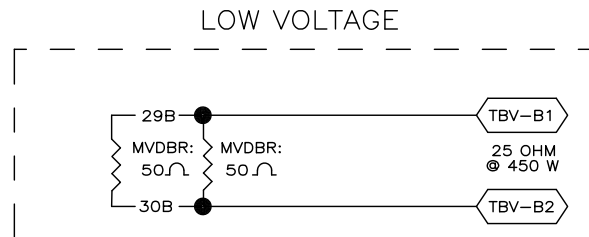
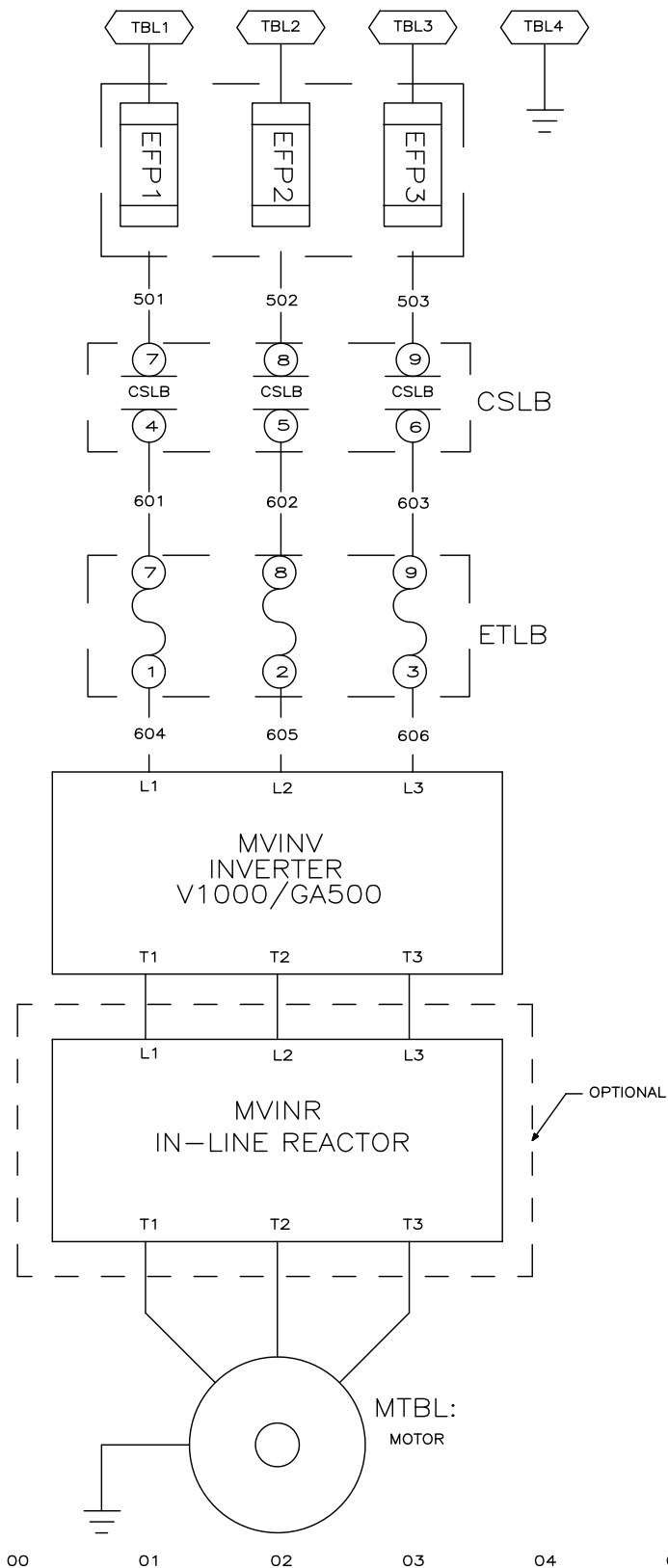


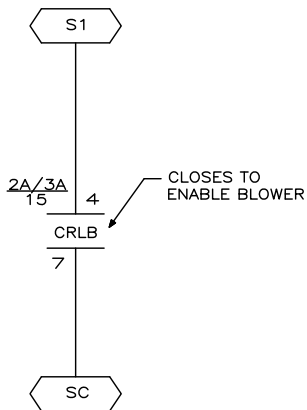
W6DR8L3A

MICRO 6 SYSTEMS MARK 8 CONTROLS

SCHEMATIC: DRYVACO3 LINT FILTER

PELLERIN MILNOR CORPORATION





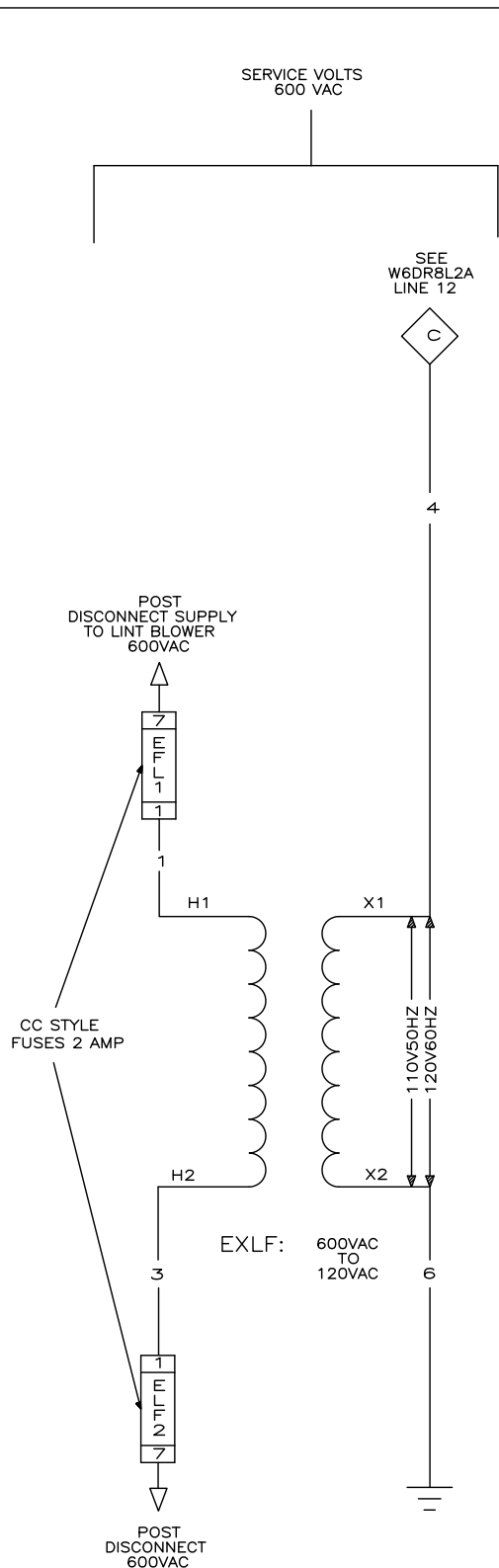
W6DR8L2B

MICRO 6 SYSTEMS MARK 8 CONTROLS

SCHEMATIC: DRYVAC INVERTER

3-PHASE POWER

PELLERIN MILNOR CORPORATION



W6DR8L1D

MICRO 6 SYSTEMS MARK 8 CONTROLS
SCHEMATIC: DRY-VAC LINT FILTER POWER
110V1P50HZ/120V1P60HZ
PELLERIN MILNOR CORPORATION

Extract Sequencer 15 Devices

2

COMPONENT PARTS LIST

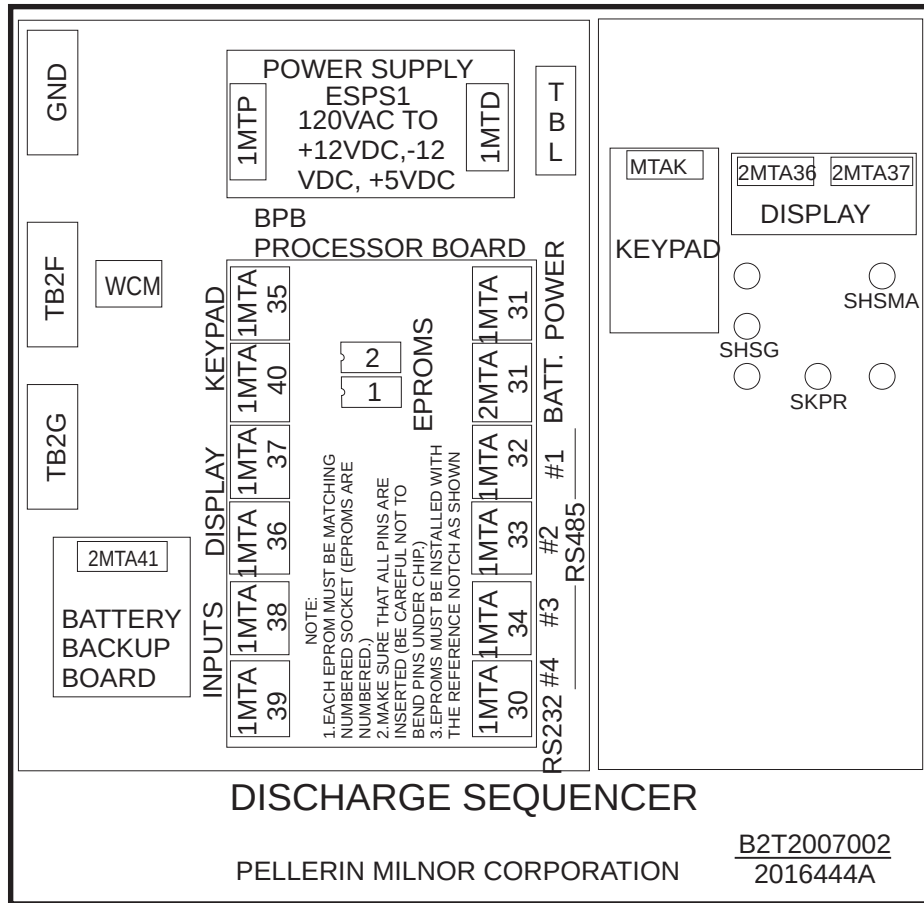
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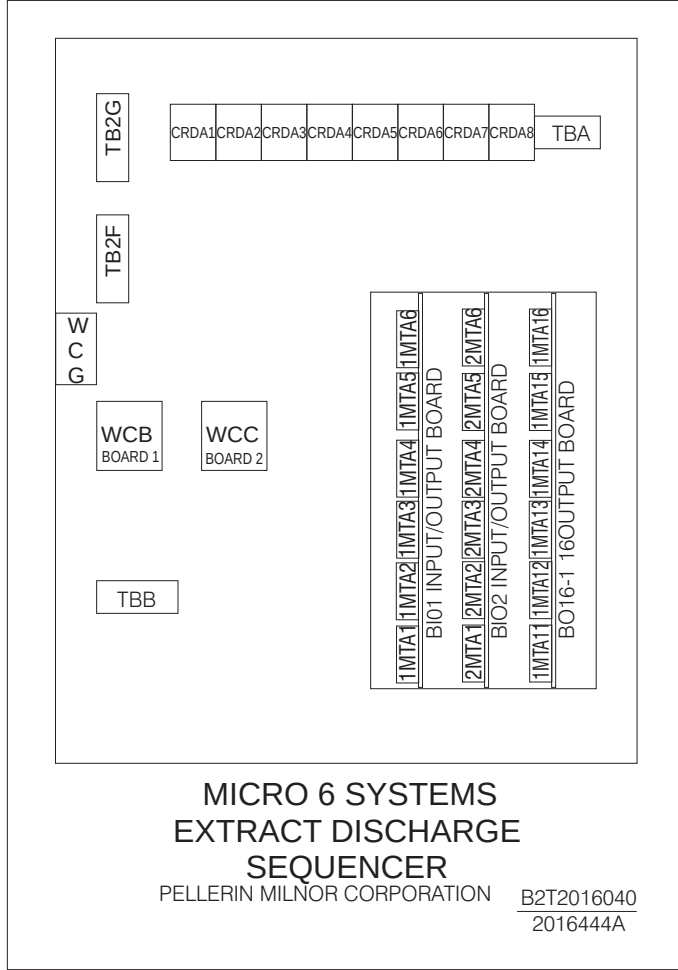
<u>COMPONENT NUMBER</u>	<u>FUNCTION OF THIS COMPONENT</u>	<u>WHERE TO FIND</u>		<u>DESCRIPTION</u>	<u>LOCATION</u>
		<u>THIS COMPONENT</u>	<u>MIL/NOR P/N</u>		
	>>>CONTROL BOX LAYOUTS				
001	LAYOUT-PROCESSOR BOX	W6DSETG1	B2T2007002	DISCHARGE SEQUENCER PROCESSOR BOX SEE FUNCTION	
002	LAYOUT-BOARD BOX	W6DSETG1	B2T2016040	EXTRACTOR DISCHARGE SEQUENCER BOAF SEE FUNCTION	
BA	>>>PRINTED CIRCUIT BOARDS				
BBB-1	BOARD-BATTERY BACKUP BOARD	W6DSD15E	08BSBB1T	BOARD: SER BATT BACKUP-TEST	PROCESSOR BX
BIO-1	BOARD-8-OUTPUT, 16-INPUT BOARD 1	W6DSA15E	08BS816BT	SERIAL 8OUT-16INPUT-TESTED	LOW VOLT BOX
BIO-2	BOARD-8-OUTPUT, 16-INPUT BOARD 2	W6DSB15E	08BS816BT	SERIAL 8OUT-16INPUT-TESTED	LOW VOLT BOX
BO16-6	BOARD-16-OUTPUT BOARD	W6DSG15E	08BSO16BT	BD:SERIAL 24 OUTPUT->TEST	LOW VOLT BOX
BPB	BOARD-PROCESSOR BOARD	W6DSD15E	08BSPE2T	186 PROC BD+FP->TEST	PROCESSOR BX
CR	>>>RELAY-PILOT OR CONTROL				
CRDA1	RELAY-EXTRACT ALLOWED DEVICE 1	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA2	RELAY-EXTRACT ALLOWED DEVICE 2	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA3	RELAY-EXTRACT ALLOWED DEVICE 3	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA4	RELAY-EXTRACT ALLOWED DEVICE 4	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA5	RELAY-EXTRACT ALLOWED DEVICE 5	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA6	RELAY-EXTRACT ALLOWED DEVICE 6	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA7	RELAY-EXTRACT ALLOWED DEVICE 7	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA8	RELAY-EXTRACT ALLOWED DEVICE 8	W6DSE15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
CRDA9	RELAY-EXTRACT ALLOWED DEVICE 9	W6DSF15E	09C024D37	4PDT MINITURE RELAY PT W/LED	BOARD BOX
ED	>>>ELECTRONIC DISPLAY				
EDM	ELECTRONIC DISPLAY MONITOR	W6DSKPDE	08BSEVFD5U	SERIAL VFD 2LINE 9600B-TEST	SWITCH PANEL
EL	>>>LIGHT PILOT OR INDICATOR				
ELDA1	LIGHT-EXTRACT ALLOWED DEVICE 1	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA2	LIGHT-EXTRACT ALLOWED DEVICE 2	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA3	LIGHT-EXTRACT ALLOWED DEVICE 3	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA4	LIGHT-EXTRACT ALLOWED DEVICE 4	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA5	LIGHT-EXTRACT ALLOWED DEVICE 5	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA6	LIGHT-EXTRACT ALLOWED DEVICE 6	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA7	LIGHT-EXTRACT ALLOWED DEVICE 7	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA8	LIGHT-EXTRACT ALLOWED DEVICE 8	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDA9	LIGHT-EXTRACT ALLOWED DEVICE 9	W6DSF15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD1	LIGHT-EXTRACT DESIRED DEVICE 1	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX

COMPONENT PARTS LIST

W6DSEPL/2016444N

ELDD2	LIGHT-EXTRACT DESIRED DEVICE 2	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD3	LIGHT-EXTRACT DESIRED DEVICE 3	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD4	LIGHT-EXTRACT DESIRED DEVICE 4	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD5	LIGHT-EXTRACT DESIRED DEVICE 5	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD6	LIGHT-EXTRACT DESIRED DEVICE 6	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD7	LIGHT-EXTRACT DESIRED DEVICE 7	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD8	LIGHT-EXTRACT DESIRED DEVICE 8	W6DSE15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ELDD9	LIGHT-EXTRACT DESIRED DEVICE 9	W6DSF15E	09J060A37	LAMP 1/2" AMB 125V WL-1050QC3	BOARD BOX
ES	>>POWER SUPPLY TESTED				
ESPS	POWER SUPPLY-MICROPROCESSOR	W6DSD15E	08PSS3401T	40 WATT POWER SUPPLY TESTED	CONTROLLER BOX
KB	>>KEYBOARD-ELECTRONIC				
KBM	KEYPAD-MICROPROCESSOR	W6DSKPDE	08ND0206N	KEYPAD-DOME-2X6 MATRIX NUME.	CONTROLLER BOX
SH	>>SWITCH-HAND OPERATED				
SHSG	SWITCH-SIGNAL CANCEL	W6DSD15E	09N405PY10	SWASS PB YELLOW 1NO	SWITCH PANEL
SHSMA	SWITCH-MASTER	W6DSD15E	09N405M220	SWASS M2W 2NO	SWITCH PANEL
SK	>>SWITCH-KEY OPERATED				
SKPR	SWITCH-PROGRAM	W6DSD15E	09N127C	KEYSW SPST 7A120VAC SCREW TER	SWITCH PANEL

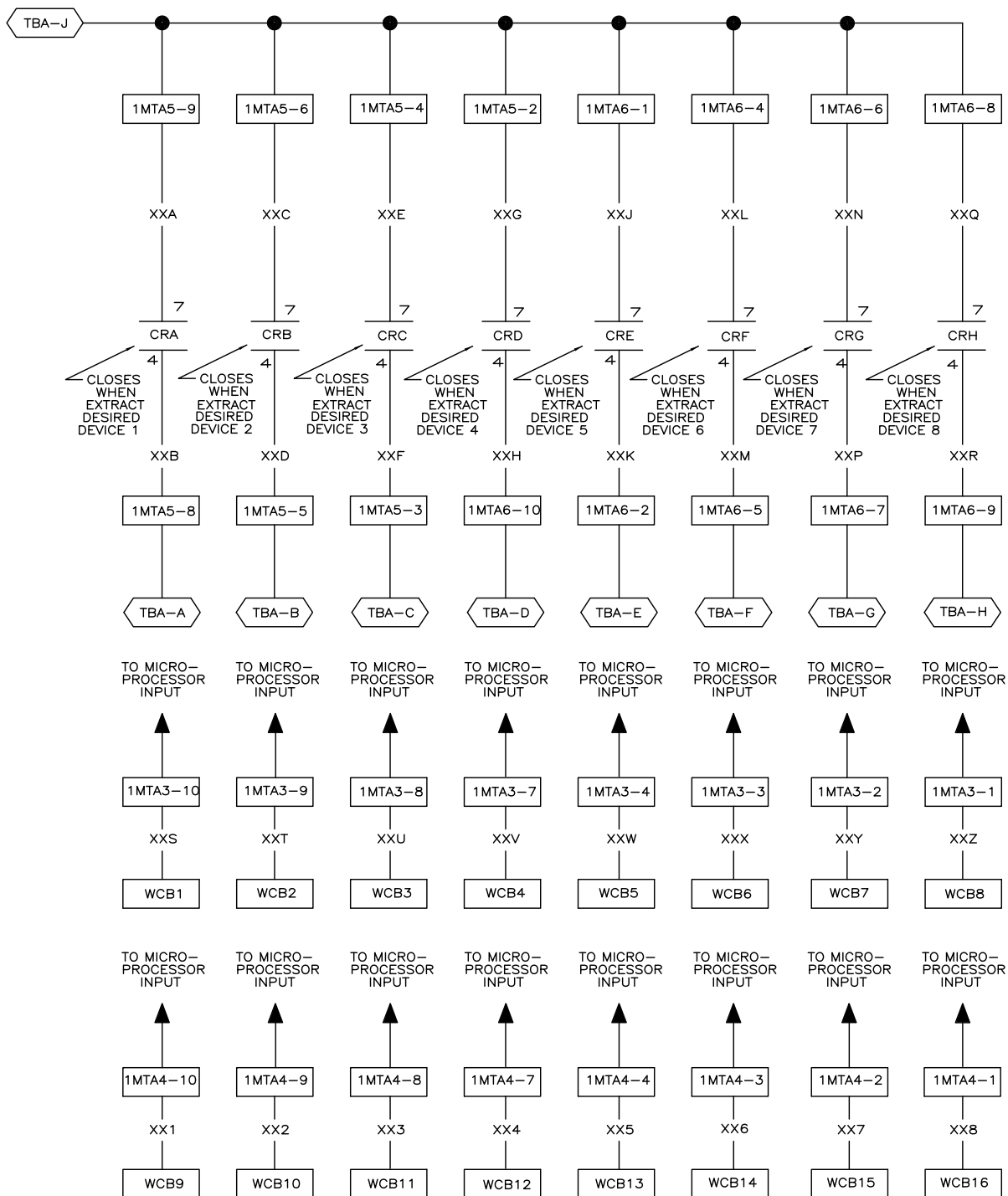




W6DSETAG1

MICRO 6 SYSTEMS EXTRACT SEQUENCER CONTROL BOX LAYOUTS

PELLERIN MILNOR CORPORATION



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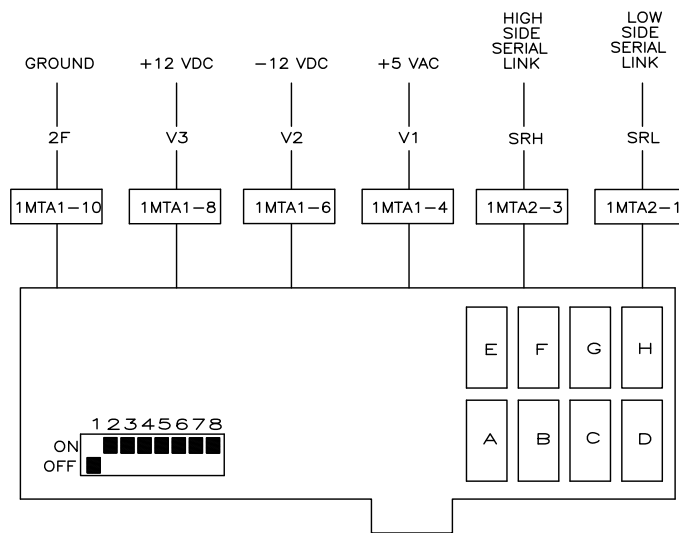
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XXS = DEVICE 1 DESIRES TO EXTRACT
 XXT = DEVICE 2 DESIRES TO EXTRACT
 XXU = DEVICE 3 DESIRES TO EXTRACT
 XXV = DEVICE 4 DESIRES TO EXTRACT
 XXW = DEVICE 5 DESIRES TO EXTRACT
 XXX = DEVICE 6 DESIRES TO EXTRACT
 XXY = DEVICE 7 DESIRES TO EXTRACT
 XXZ = DEVICE 8 DESIRES TO EXTRACT
 XX1 = DEVICE 9 DESIRES TO EXTRACT
 XX2 = DEVICE 10 DESIRES TO EXTRACT
 XX3 = DEVICE FINISHED
 XX4 = DEVICE 11 DESIRES TO EXTRACT
 XX5 = DEVICE 12 DESIRES TO EXTRACT
 XX6 = DEVICE 13 DESIRES TO EXTRACT
 XX7 = DEVICE 14 DESIRES TO EXTRACT
 XX8 = DEVICE 15 DESIRES TO EXTRACT

W6DSA15E

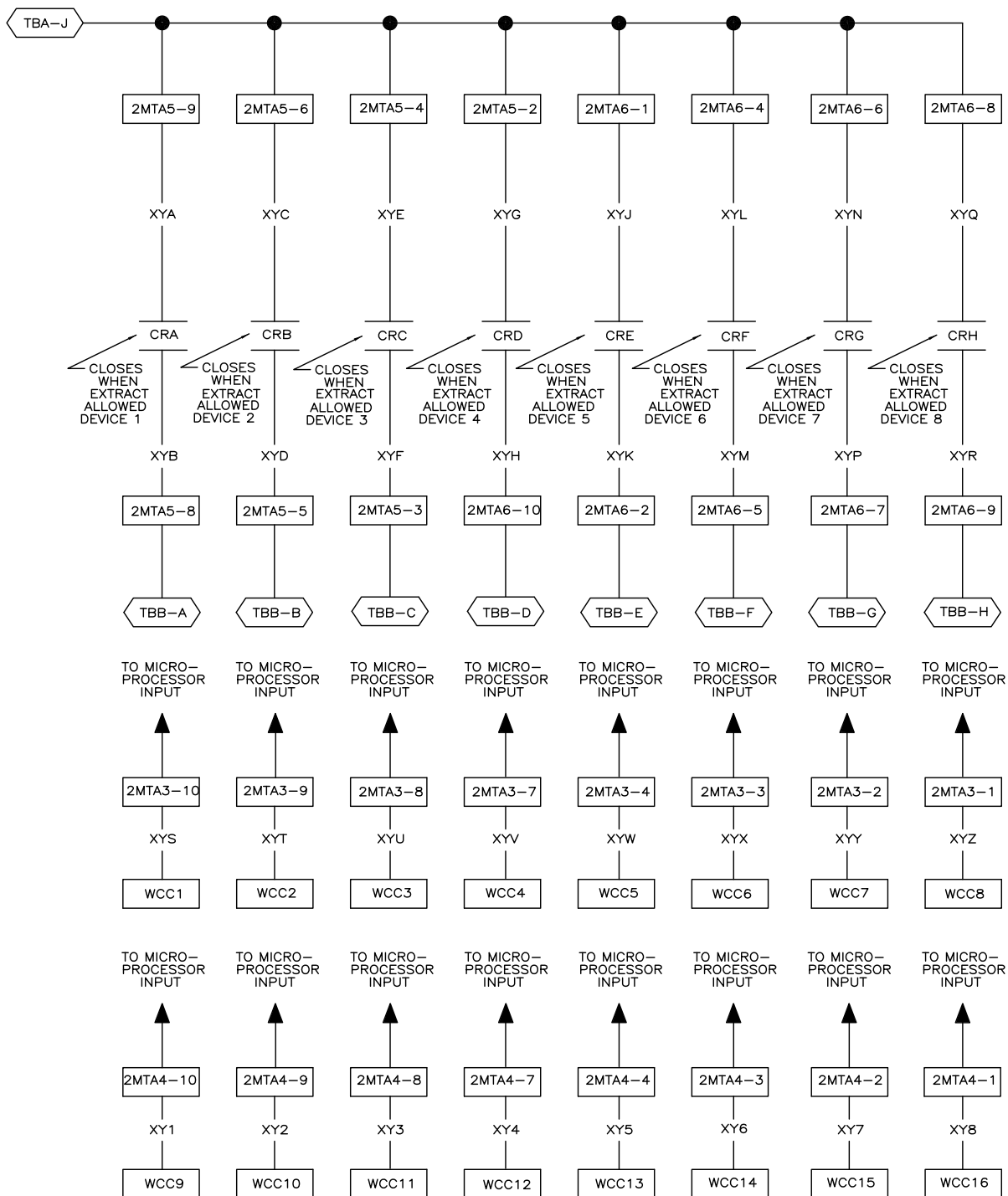
MICRO 6 SYSTEMS

SCHEMATIC: EXTRACT DESIRED SEQUENCER

(8 OUTPUT 16 INPUT)

PELLERIN MILNOR CORPORATION

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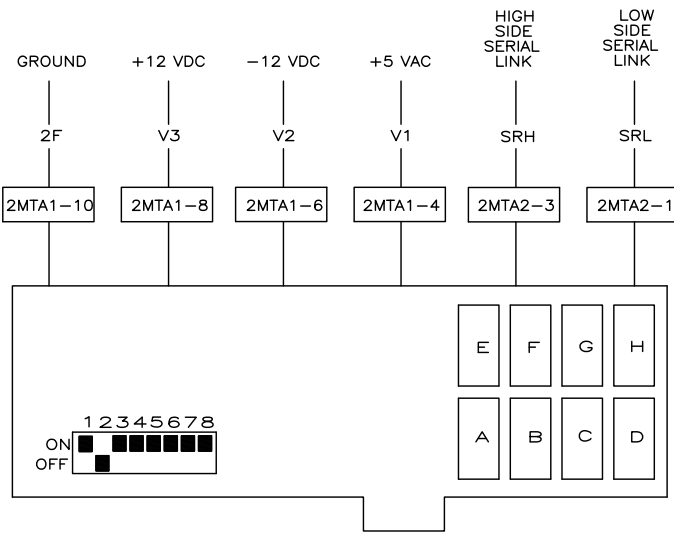
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DEVICE 1 CANCEL EXTRACT
 DEVICE 2 CANCEL EXTRACT
 DEVICE 3 CANCEL EXTRACT
 DEVICE 4 CANCEL EXTRACT
 DEVICE 5 CANCEL EXTRACT
 DEVICE 6 CANCEL EXTRACT
 DEVICE 7 CANCEL EXTRACT
 DEVICE 8 CANCEL EXTRACT
 DEVICE 9 CANCEL EXTRACT
 DEVICE 10 CANCEL EXTRACT
 DEVICE 11 CANCEL EXTRACT
 DEVICE 12 CANCEL EXTRACT
 DEVICE 13 CANCEL EXTRACT
 DEVICE 14 CANCEL EXTRACT
 DEVICE 15 CANCEL EXTRACT

W6DSB15E

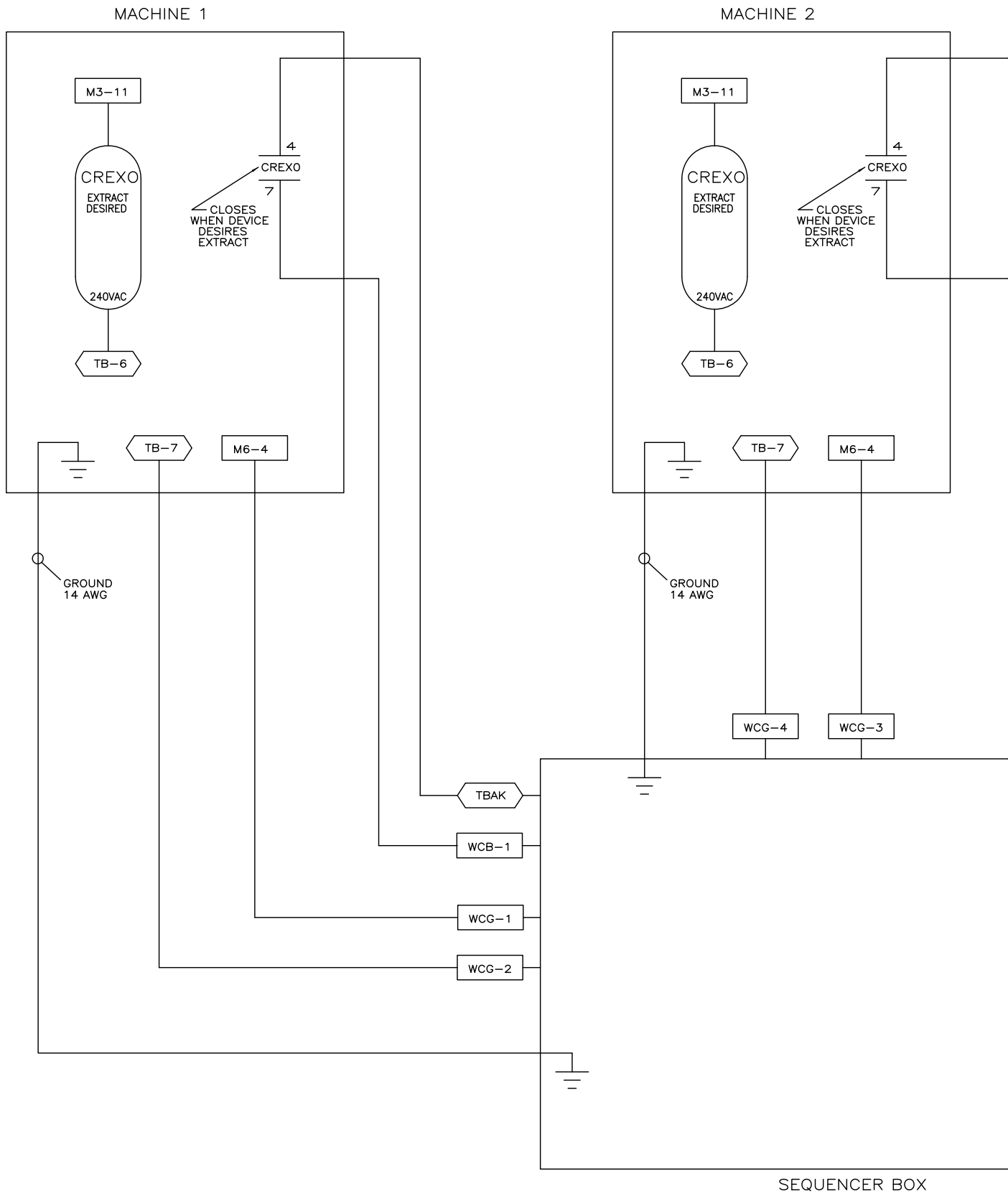
MICRO 6 SYSTEMS

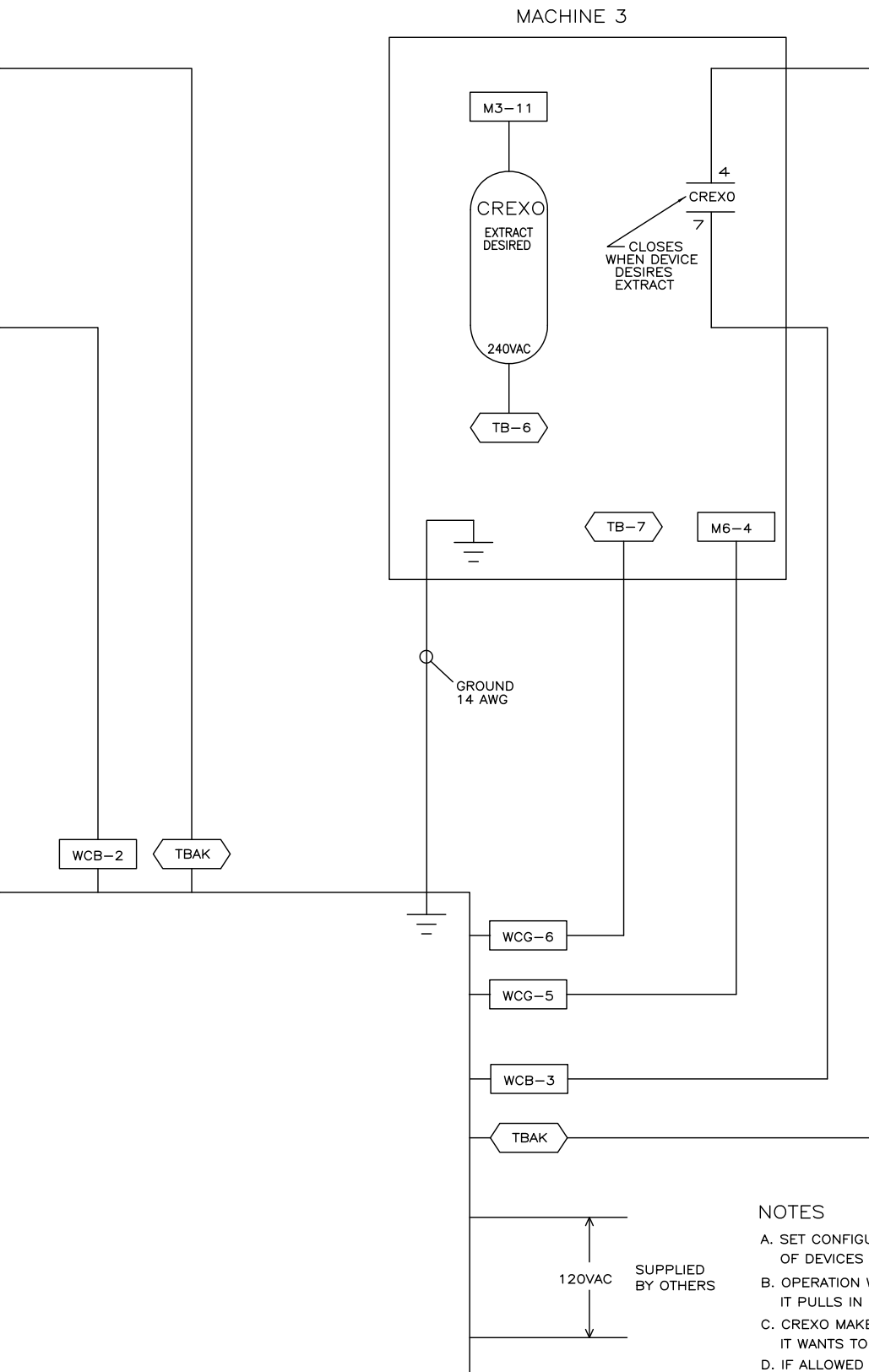
SCHEMATIC: EXTRACT ALLOWED SEQUENCER

15 DEVICES (8 OUTPUT, 16 INPUTS)

PELLERIN MILNOR CORPORATION

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2016444B





NOTES

- SET CONFIGURE IN SEQUENCER TO THE AMOUNT OF DEVICES AND MOMENTARY SIGNAL/0=NO
- OPERATION WHEN WASHER DESIRES EXTRACT IT PULLS IN CREXO.
- CREXO MAKES INPUT INTO SEQUENCER SAYING IT WANTS TO EXTRACT.
- IF ALLOWED THE SEQUENCER WILL REMOVE INPUT ON M6-4.
- ONCE EXTRACT IS FINISHED, CREXO IS TURNED OFF AND SEQUENCER IS RESET TO ALLOW NEXT DEVICE.

W6DSC15E

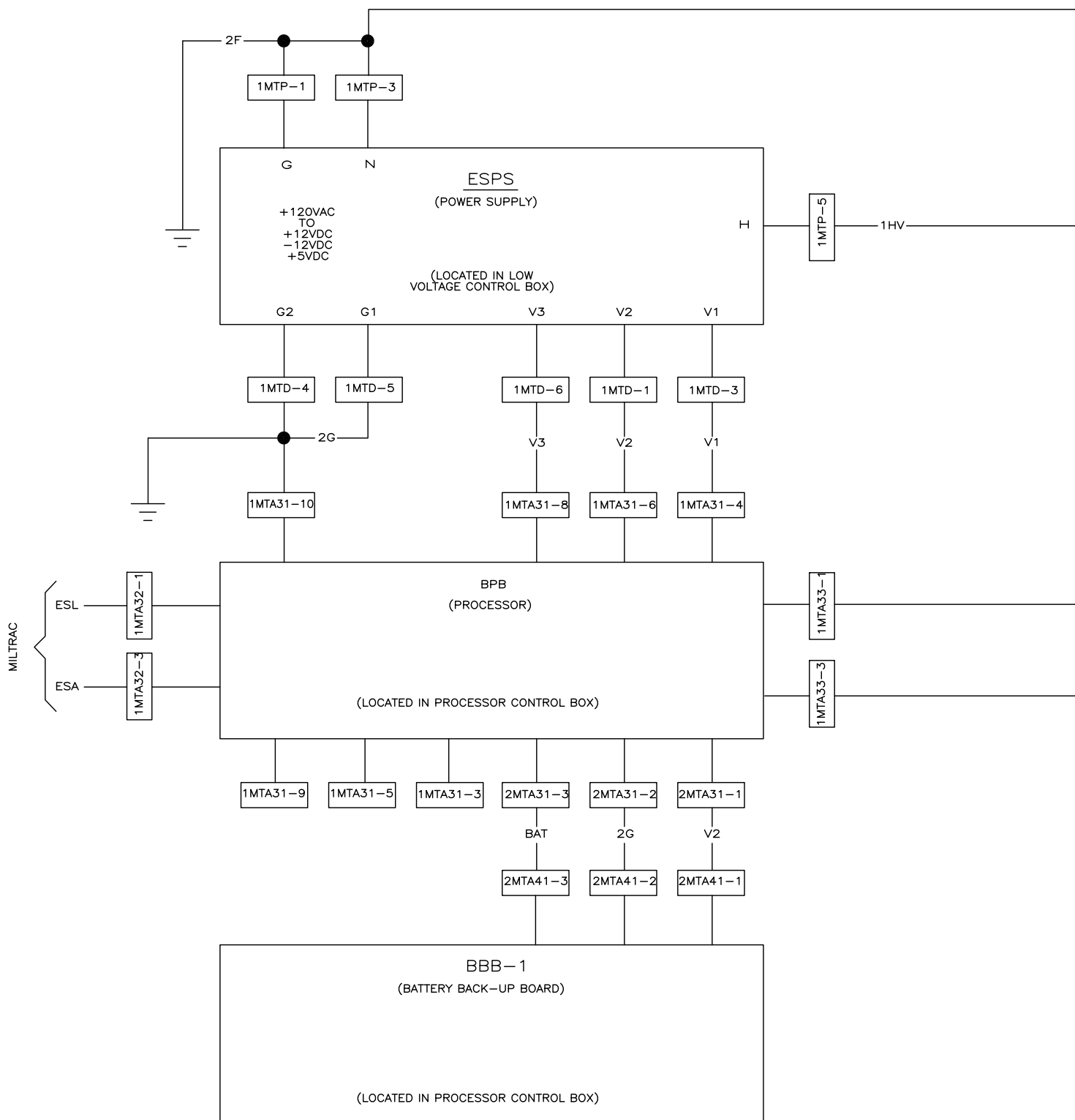
MICRO 6 SYSTEMS

SCHEMATIC: EXTRACT SEQUENCER/MACHINE CONNECTIONS

PELLERIN MILNOR CORPORATION

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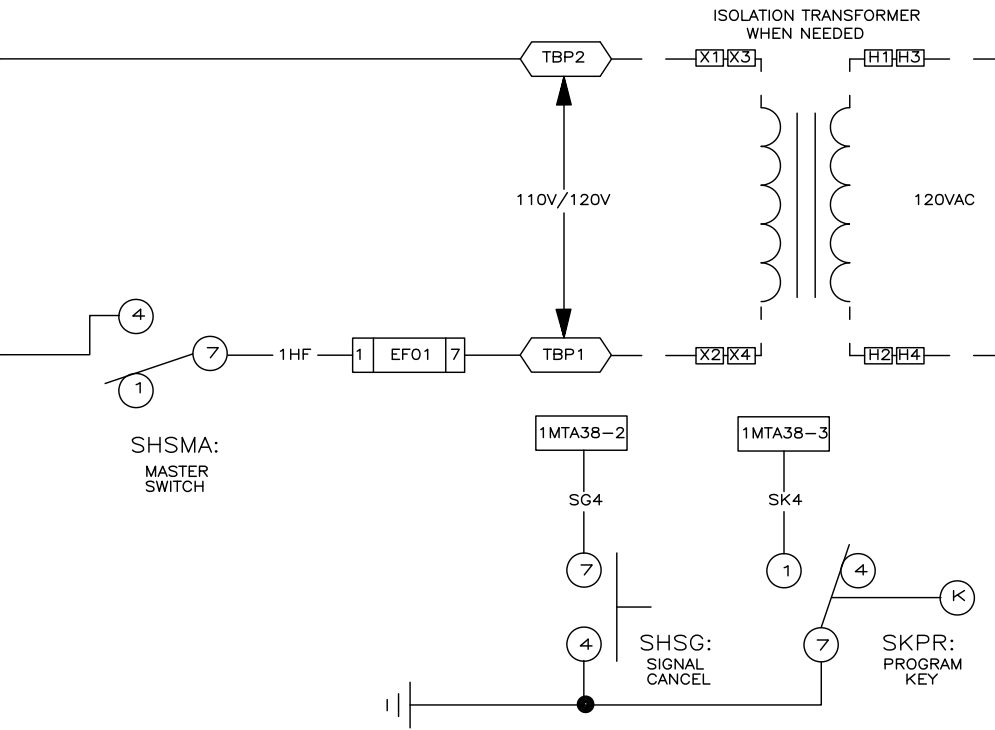
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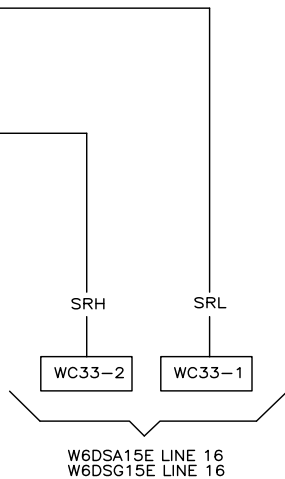
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WIRE COLORING CODE

WIRE NO.	VOLTAGE	WIRE COLOR
V1	+5VDC	BLUE
V2	+12VDC	BLUE/ORANGE
V3	-12VDC	BLUE/BLACK
SG	SIGNAL GROUND	BLUE/WHITE
SRH	SERIAL HIGH	BLUE/RED
SRL	SERIAL LOW	BLUE/BLACK
ESH	MILNET HIGH	BLUE/BLACK
ESL	MILNET LOW	BLUE/BLACK
2F	CONTROL GROUND	RED/WHITE
24VAC	LOW VOLTAGE CONTROL	RED/BLUE
120VAC	HIGH VOLTAGE CONTROL	RED
INPUTS	INPUTS TO MICRO	BLUE/BLACK
OUTPUTS	OUTPUTS FROM MICRO	RED/BLACK
MSL	MAID LOW	BLUE/BLACK
MSH	MAID HIGH	BLUE/RED



These are the configure decisions for the sequencer:

1. HOW MANY DEVICES
00 [1 – 15 DEVICES]

How many devices are connected to the sequencer

2. PRIORITY OF DEV #xx
01 [1=HIGH, XX=LOW]

Sets the priority of each device. 1 is the highest priority and the maximum device number is the lowest. Devices with a higher priority will be sequenced before devices with a lower priority

3. MOMENTARY SIGNAL
0 = NO [1 = YES]

Set to a 1 [Yes] if the desired signal is momentary. Set to a 0 [No] if it is on until the device is allowed.

4. LOADS BEFORE STRIP

Sets the number of loads before the lint filter runs a strip cycle.

W6DSD15E

MIRCO 6 SYSTEMS

DEVICE SEQUENCER

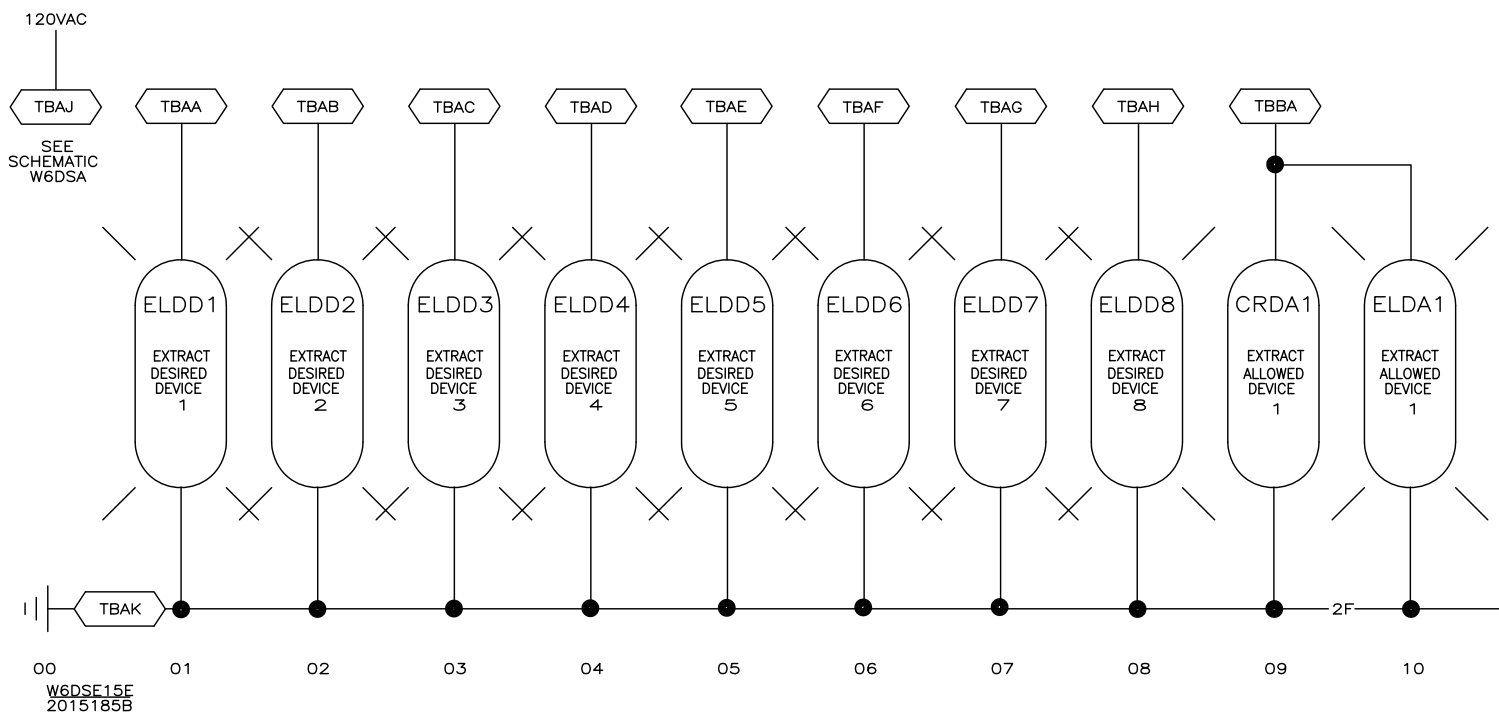
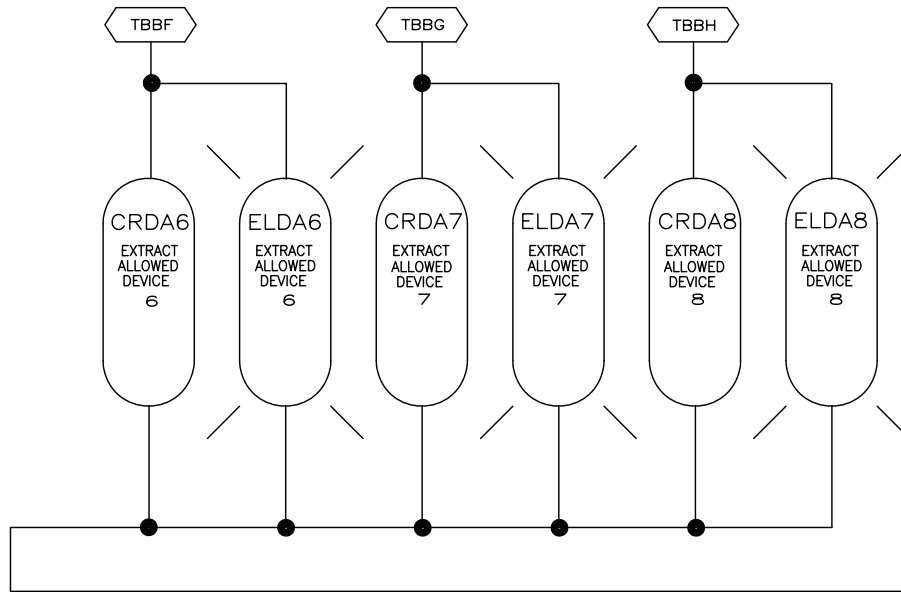
SCHEMATIC: BOARD TO BOARD WIRING

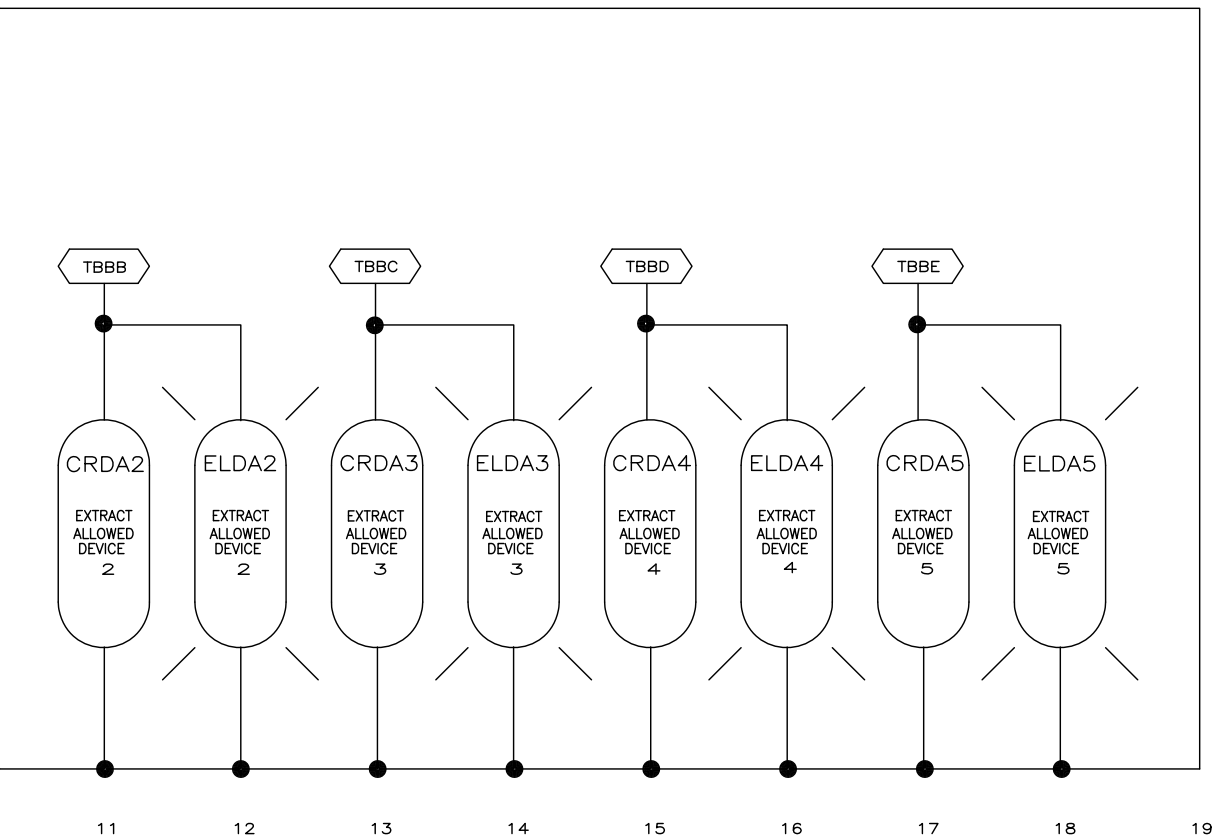
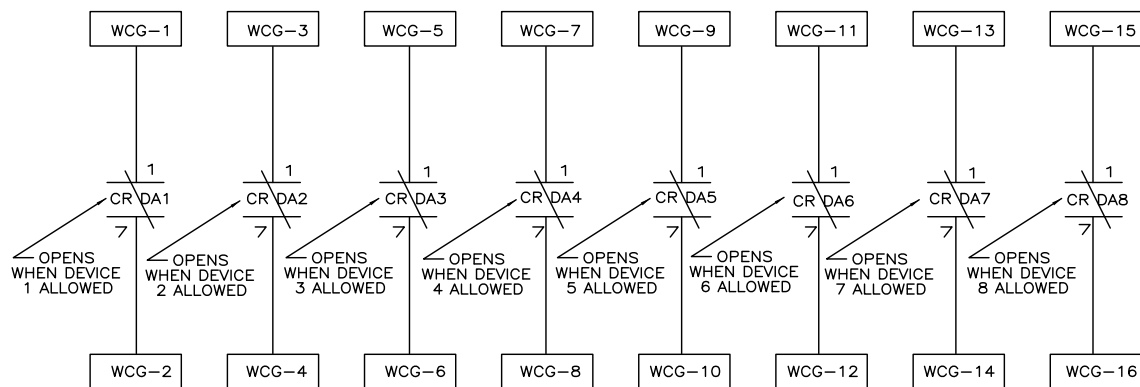
110V50HZ/120V60HZ

PELLERIN MILNOR CORPORATION

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2019324B

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2019324B





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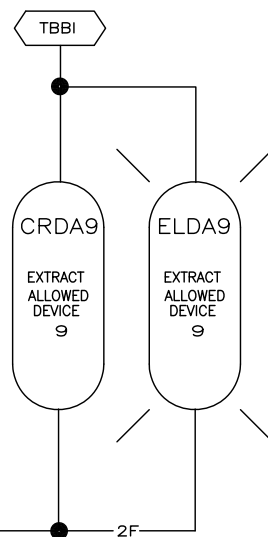
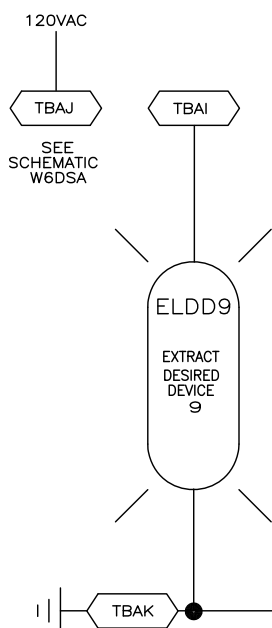
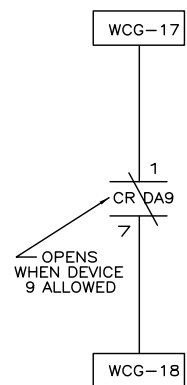
MICRO 6 SYSTEMS

SCHEMATIC: EXTRACT SEQUENCER OUTPUTS

PELLERIN MILNOR CORPORATION

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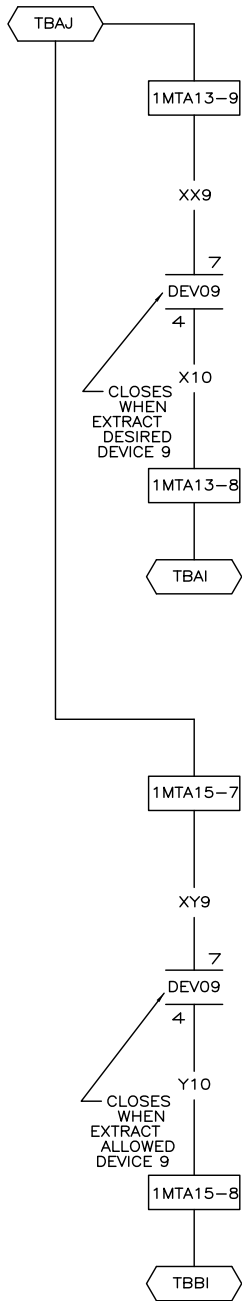
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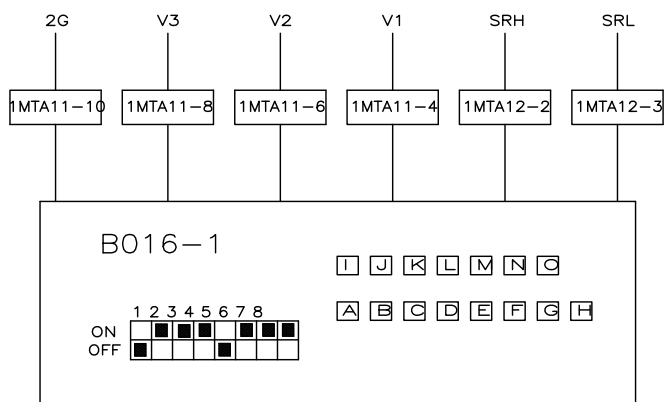
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MICRO 6 SYSTEMS
SCHEMATIC: EXTRACT SEQUENCER OUTPUTS
PELLERIN MILNOR CORPORATION

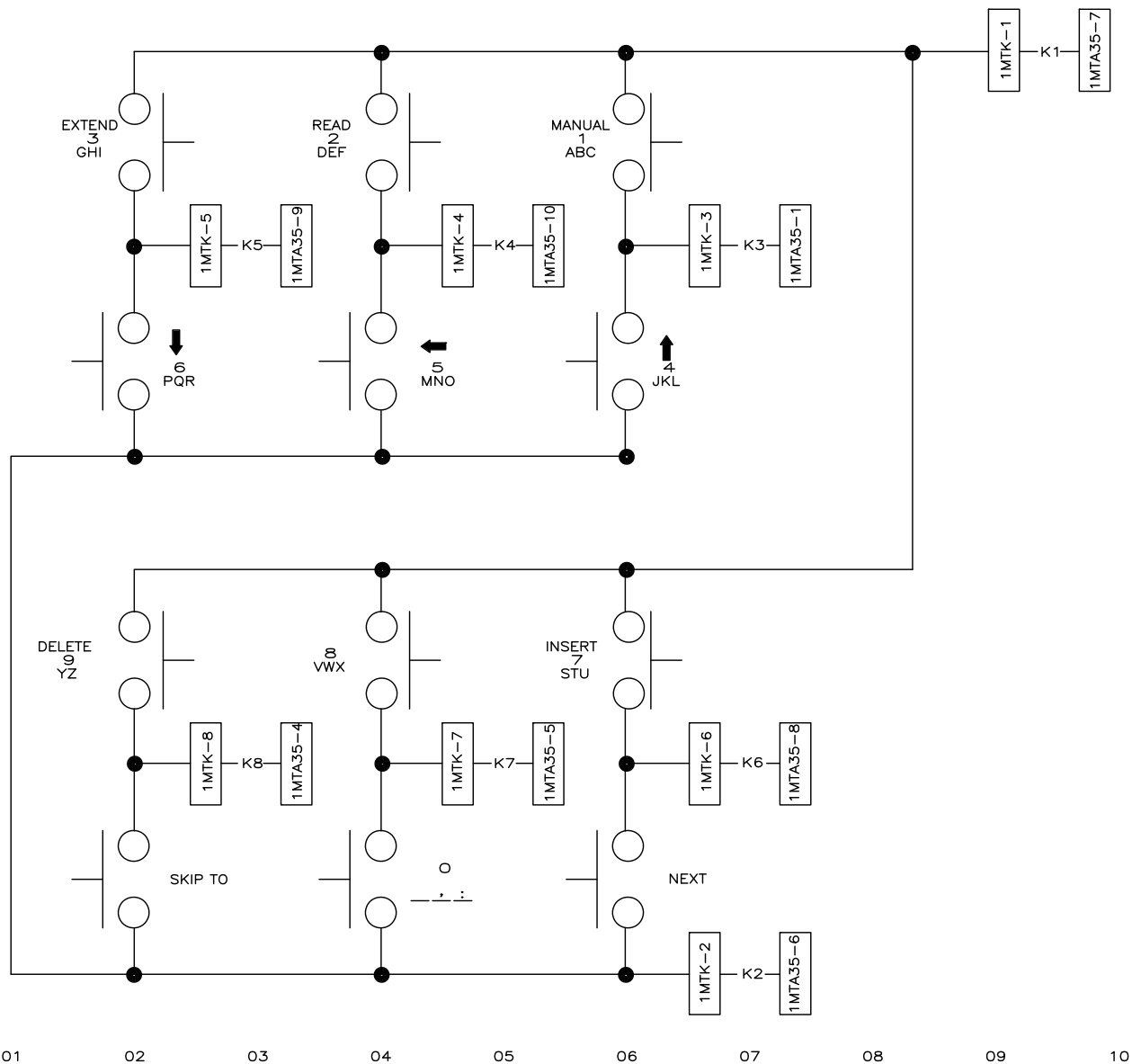




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MICRO 6 SYSTEMS
SCHEMATIC: EXTRACT SEQUENCER OUTPUT BOARD
PELLERIN MILNOR CORPORATION

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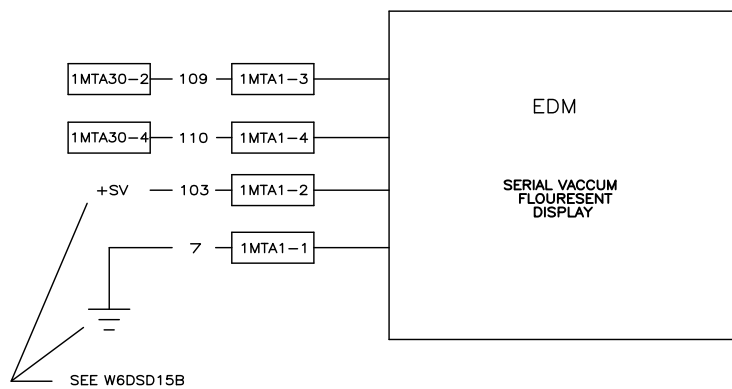
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NOTES

1. 1MTA30 IS LOCATED ON BPB (PROCESSOR BOARD).
2. 1MTA1 IS LOCATED ON SERIAL DISPLAY BOARD.

W6DSKPDE

MICRO 6 SYSTEMS SERIAL CONTROLS MARK II SCHEMATIC: SERIAL VFD DISPLAY/KEYPAD

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