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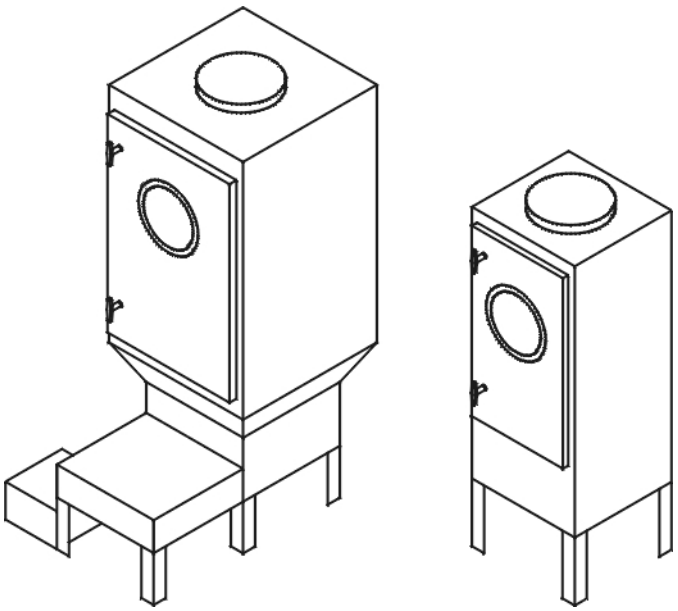
Schematic/Electrical Parts—

DRYVAC01 & DRYVAC02 AUTOLINT COLLECTOR MARK IV CONTROLS



Read the Safety Manual

PELLERIN MILNOR CORPORATION POST OFFICE BOX 400, KENNER, LOUISIANA 70063-0400, U.S.A.

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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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This manual may contain references to "yellow pages." Although the pages containing troubleshooting procedures are no longer printed on yellow paper, troubleshooting instructions, if any, will be contained in the easily located "Troubleshooting" chapter or section. See the table of contents.

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for MEDRYVA1DE/2002532N
DRYVAC01 & DRYVAC02 AUTOLINT COLLECTOR MARK IV CONTROLS

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COMPONENT PARTS LIST

W6DR4LPL/99286N

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT	WHERE TO FIND THIS COMPONENT	MILNOR P/N	DESCRIPTION	LOCATION
	>>>CONTROL BOX LAYOUTS				
1	CONTROL BOX SIZE 1	W6DR4LTAG	B2TAG88057	AUTOLINT 1	SEE FUNCTION
2	CONTROL BOX SIZE 2	W6DR4LTAG	B2TAG88053	AUTOLINT 2	SEE FUNCTION
3	CONTROL BOX SIZE 1 AND 2	W6DR4LTAG	B2TAG96037	AUTOLINT 1 AND 2	SEE FUNCTION
CD	**>>RELAY-TIME DELAY**				
CDBD	DELAY-BAG BLOW DOWN	W6DR4L1A	09CA0HMS37	TDR SET HOUR.MIN SEC 120V	AUTOLINT
CDBD	DELAY-BAG BLOW DOWN	W6DR4L2A	09CA0HMS37	TDR SET HOUR.MIN SEC 120V	AUTOLINT
CDRDA1	DELAY-ALLOW DEVICE #1	W6DR4L1B	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CDRDA1	DELAY-ALLOW DEVICE #1	W6DR4L2G	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CDRDA2	DELAY-ALLOW DEVICE #2	W6DR4L1B	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CDRDA2	DELAY-ALLOW DEVICE #2	W6DR4L2G	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CDRDA3	DELAY-ALLOW DEVICE #3	W6DR4L1B	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CDRDA3	DELAY-ALLOW DEVICE #3	W6DR4L2G	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CDRDA4	DELAY-ALLOW DEVICE #4	W6DR4L2G	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CDRDA5	DELAY-ALLOW DEVICE #5	W6DR4L2G	09CF002037	TDR F2S SPDT 11PIN 120V60/50C	SEQUENCER BX
CL	**>>RELAY-LATCH**				
CLALP	LATCH-BAG IS FULL	W6DR4L1A	09CL2C-C37	RELAY-LATCH DPDT 120V 2-COIL	AUTOLINT
CLALP	LATCH-BAG IS FULL	W6DR4L2A	09CL2C-C37	RELAY-LATCH DPDT 24V 2-COIL	AUTOLINT
CLRDA1	LATCH-ALLOW DEVICE #1	W6DR4L1B	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA1	LATCH-ALLOW DEVICE #1	W6DR4L2C	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA1	LATCH-ALLOW DEVICE #1	W6DR4L2G	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA2	LATCH-ALLOW DEVICE #2	W6DR4L1B	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA2	LATCH-ALLOW DEVICE #2	W6DR4L2C	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA2	LATCH-ALLOW DEVICE #2	W6DR4L2G	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA3	LACTH-ALLOWDEVICE #3	W6DR4L1B	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA3	LACTH-ALLOWDEVICE #3	W6DR4L2C	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA3	LACTH-ALLOWDEVICE #3	W6DR4L2G	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA4	LACTH-ALLOWDEVICE #4	W6DR4L2C	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA4	LACTH-ALLOWDEVICE #4	W6DR4L2G	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA5	LACTH-ALLOWDEVICE #5	W6DR4L2C	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CLRDA5	LACTH-ALLOWDEVICE #5	W6DR4L2G	09CL2C-C37	RELAY-LATCH DPDT 120V 1-COIL	SEQUENCER BX
CR	**>>RELAY-CONTROL**				
CRBPA	RELAY-LINT BLOWER FAILURE	W6FR4L1A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX

COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT	WHERE TO FIND THIS COMPONENT	MILNOR P/N	DESCRIPTION	LOCATION
CRBPA	RELAY-LINT BLOWER FAILURE	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRBPB	RELAY-LINT BLOWER FAILURE	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRBPC	RELAY-LINT BLOWER FAILURE	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBA	RELAY-LINT BLOWER SPRINKLER	W6DR4L1A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBA	RELAY-LINT BLOWER SPRINKLER	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBB	RELAY-LINT BLOWER SPRINKLER	W6DR4L1A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBB	RELAY-LINT BLOWER SPRINKLER	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBC	RELAY-LINT BLOWER SPRINKLER	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBD	RELAY-LINT BLOWER SPRINKLER	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBP	RELAY-LINT BLOWER FAILURE	W6DR4L1A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRLBP	RELAY-LINT BLOWER FAILURE	W6DR4L2A	09C024D37	4PDT "KH" 110/120V	AUTOLINT BOX
CRRDA1	RELAY-ALLOW DEVICE #1	W6DR4L1B	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDA1	RELAY-ALLOW DEVICE #1	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDA2	RELAY-ALLOW DEVICE #2	W6DR4L1B	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDA2	RELAY-ALLOW DEVICE #2	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDA3	RELAY-ALLOW DEVICE #3	W6DR4L1B	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDA3	RELAY-ALLOW DEVICE #3	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDA4	RELAY-ALLOW DEVICE #4	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDA5	RELAY-ALLOW DEVICE #5	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDB3	RELAY-ALLOW DEVICE #3	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDB4	RELAY-ALLOW DEVICE #4	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDB5	RELAY-ALLOW DEVICE #5	W6DR4L2D	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD1	RELAY-ALLOW DEVICE #1	W6DR4L1C	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD1	RELAY-ALLOW DEVICE #1	W6DR4L2H	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD2	RELAY-ALLOW DEVICE #2	W6DR4L1C	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD2	RELAY-ALLOW DEVICE #2	W6DR4L2H	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD3	RELAY-ALLOW DEVICE #3	W6DR4L1C	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD3	RELAY-ALLOW DEVICE #3	W6DR4L2H	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD4	RELAY-ALLOW DEVICE #4	W6DR4L2H	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CRRDD5	RELAY-ALLOW DEVICE #5	W6DR4L2H	09C024D37	4PDT "KH" 110/120V	SEQUENCER BX
CS	**>>CONTACTORS**				
CSLB	CONTACTOR-LINT BLOWER	W6DR4L1A	09MC04G337	37A 3P CONT.NR 120V5/6 IEC	AUTOLINT BOX
EB	**>>BUZZER_AUDIABLE**				

COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT	WHERE TO FIND THIS COMPONENT	MILNOR P/N	DESCRIPTION	LOCATION
EBLBF	BUZZER-AUTOLINT FAILURE	W6DR4L1A	09H020	ALARM SONALERT 115V	AUTOLINT BOX
EBLBF	BUZZER-AUTOLINT FAILURE	W6DR4L2A	09H020	ALARM SONALERT 115V	AUTOLINT BOX
EF	**>>BUZZER-LIGHT**				
EFLBF	FLASHER-AUTOLINT FAILURE	W6DR4L1A	08FL007537	FLASHER 120V 1AMP 75FL/MIN	AUTOLINT BOX
EFLBF	FLASHER-AUTOLINT FAILURE	W6DR4L2A	08FL007537	FLASHER 120V 1AMP 75FL/MIN	AUTOLINT BOX
EF	**>>FUSES**				
EFL1	FUSES-PRIMARY FUSE INCOMING VOLT	W6DR4L1D	MESSAGE VS	DEPENDENT ON VOLTAGE-SEE BELOW	AUTOLINT BOX
EFL2	FUSES-PRIMARY FUSE INCOMING VOLT	W6DR4L1D	MESSAGE VS	DEPENDENT ON VOLTAGE-SEE BELOW	AUTOLINT BOX
EFL2H	FUSE-PRIMARY GREATER THAN 415VAC	W6DR4L1D	09FF003AWN	FUSE #KTK 3A600V=HPS HOLDER	AUTOLINT BOX
EFL2L	FUSE-PRIMARY LESS THAN 400VAC	W6DR4L1D	09FF005AWN	FUSE #KTK 5A600V=HPS HOLDER	AUTOLINT BOX
EL	**>>LIGHT-PILOT**				
ELBF	LIGHT-BAG IS FULL	W6DR4L1A	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	AUTOLINT BOX
ELBF	LIGHT-BAG IS FULL	W6DR4L2A	09J060A37	LAMP 1/2" RED 125V IDI 1050QC3	AUTOLINT BOX
ELDD1	LIGHT-DESIRED DEVICE #1	W6DR4L1C	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELDD1	LIGHT-DESIRED DEVICE #1	W6DR4L2H	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELDD2	LIGHT-DESIRED DEVICE #2	W6DR41C	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELDD2	LIGHT-DESIRED DEVICE #2	W6DR4L2H	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELDD3	LIGHT-DESIRED DEVICE #3	W6DR4L1C	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELDD3	LIGHT-DESIRED DEVICE #3	W6DR4L2H	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELDD4	LIGHT-DESIRED DEVICE #4	W6DR4L2H	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELDD5	LIGHT-DESIRED DEVICE #5	W6DR4L2H	09J060A37	LAMP 1/2" AMB 125V IDI 1050QC3	SEQUENCER BX
ELD1A	LIGHT-ALLOW DEVICE #1	W6DR4L2D	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELD2A	LIGHT-ALLOW DEVICE #2	W6DR4L2D	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELD3A	LIGHT-ALLOW DEVICE #3	W6DR4L2D	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELD4A	LIGHT-ALLOW DEVICE #4	W6DR4L2D	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELD5A	LIGHT-ALLOW DEVICE #5	W6DR4L2D	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELLBF	LIGHT-AUTOLINT FAILURE	W6DR4L1A	09H025V37	BEACON ROTARY 5.5" DIA AMBER	AUTOLINT BOX
ELLBF	LIGHT-AUTOLINT FAILURE	W6DR4L2A	09H025V37	BEACON ROTARY 5.5" DIA AMBER	AUTOLINT BOX
ELRDA1	LIGHT-ALLOW DEVICE #1	W6DR4L1B	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELRDA2	LIGHT-ALLOW DEVIICE #2	W6DR4L1B	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELRDA3	LIGHT-ALLOW DEVIICE #3	W6DR4L1B	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	SEQUENCER BX
ELSMA	LIGHT-MASTER ON	W6DR4L1A	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	AUTOLINT BOX
ELSMA	LIGHT-MASTER ON	W6DR4L2A	09J060G37	LAMP 1/2" GREEN 125V IDI 1052QC5	AUTOLINT BOX

COMPONENT PARTS LIST

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT	WHERE TO FIND THIS COMPONENT	MILNOR P/N	DESCRIPTION	LOCATION
EM	**>>SOLENOID**				
EMSK	SOLENOID-SPRINKLER TRIP	W6DR4L1A	09K061D	SOLENOID 120V 60C #8940	SPRINKLER
EMSK	SOLENOID-SPRINKLER TRIP	W6DR4L2A	09K061D	SOLENOID 120V 60C #8940	SPRINKLER
ET	**>>OVERLOAD**				
ETLB	OVERLOAD-LINT BLOWER MOTOR	W6DR4L1A	09F025SA	OF RELAY 3P SZ1 SQD #9065-SEO5	AUTOLINT BOX
EX	**>>TRANSFORMER**				
EXLF	TRANSFORMER-AUTOLINT	W6DR4L1D	MESSAGE EW	SEE EXLF1, 2, OR 3 FOR VOLTAGE	AUTOLINT BOX
EXLF1	TRANSFORMER-AUTOLINT 200-240V PRI	W6DR4L1D	09U249AA37	XFMR 200-240 PRI/120SEC 250VA	AUTOLINT BOX
EXLF2	TRANSFORMER-AUTOLINT 380-480V PRI	W6DR4L1D	09U200AAB	XFMR 380-480V/240-120V 250VA	AUTOLINT BOX
EXLF3	TRANSFORMER-AUTOLINT 600V PRI	W6DR4L1D	09U251AA37	XFMR 600VPRI/120VSEC/250VA	AUTOLINT BOX
MR	**>>MOTOR**				
MRLB	MOTOR-LINT BLOWER	W6DR4L1D	MESSAGE SN	SEE SPECIFIC MACHINE+NAMEPLATE	AUTOLINT BOX
SH	**>>SWITCH-HAND OPERATED**				
SHALP	SWITCH-BAG IS FULL RESET	W6DR4L1A	09N405PB10	SWASS PBBK 1NO	AUTOLINT BOX
SHALP	SWITCH-BAG IS FULL RESET	W6DR4L2A	09N405PB10	SWASS PBBK 1NO	AUTOLINT BOX
SHMS	SWITCH-TRIP SPRINKLER	W6DR4L1A	09N405PB10	SWASS PBBK 1NO	AUTOLINT BOX
SHMS	SWITCH-MANUAL ENABLE SPRINKLER	W6DR4L2A	09N405PB10	SWASS PBBK 1NO	AUTOLINT BOX
SHSK	SWITCH-SPRINKLER HAS TRIP	W6DR4L1A	09RM01209S	SWASS PBBK 1NO	AUTOLINT BOX
SHSK	SWITCH-SPRINKLER HAS TRIP	W6DR4L2A	09RM01209S	CAPSW 9FT 180 DEG ROLLER SILVER	AUTOLINT BOX
SHSMA	SWITCH-AUTOLINT MASTER	W6DR4L1A	09N405PB10	SWASS M2W 1NO	AUTOLINT BOX
SHSMA	SWITCH-MASTER	W6DR4L2A	09N405PB10	SWASS M2W 1NO	AUTOLINT BOX
SM	**>>SWITCH-MECHANICAL**				
SMDR	SWITCH-AUTOLINT DOOR IS CLOSED	W6DR4L1A	09R012	MICSW SPDT PAINTED BZE6-RN 01	AUTOLINT BOX
SMDR	SWITCH-AUTOLINT DOOR IS CLOSED	W6DR4L2A	09R012	MICSW SPDT PAINTED BZE6-RN 01	AUTOLINT BOX
SP	**>>SWITCH-PRESSURE**				
SPALP	PRESSURE SW-BAG IS FULL	W6DR4L1A	09N19103	AIR PRESSW .40"-1.6" WC 1910-1	AUTOLINT BOX
SPALP	PRESSURE SW-BAG IS FULL	W6DR4L2A	09N19103	AIR PRESSW .40"-1.6" WC 1910-1	AUTOLINT BOX
ST	**>>SWITCH-TEMPERATURE**				
ST225A	TEMPERATURE SW-AUTOLINT A	W6DR4L1A	30R0225P	THERMOSW.FENWAL CLOSE @225F	AUTOLINT BOX
ST225A	TEMPERATURE SW-AUTOLINT A	W6DR4L2A	30R0225P	THERMOSW.FENWAL CLOSE @225F	AUTOLINT BOX
ST225B	TEMPERATURE SW-AUTOLINT B	W6DR4L1A	30R0225P	THERMOSW.FENWAL CLOSE @225F	AUTOLINT BOX
ST225B	TEMPERATURE SW-AUTOLINT B	W6DR4L2A	30R0225P	THERMOSW.FENWAL CLOSE @225F	AUTOLINT BOX
VE	**>>VALVE**				

COMPONENT PARTS LIST

W6DR4LPL/99286N

COMPONENT NUMBER	FUNCTION OF THIS COMPONENT	WHERE TO FIND THIS COMPONENT	MILNOR P/N	DESCRIPTION	LOCATION
VEBD	VALVE-BAG BLOW DOWN	W6DR4L1A	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	AUTOLINT TOP
VEBD	VALVE-BAG BLOW DOWN	W6DR4L2A	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	AUTOLINT TOP
VEEL	VALVE-EXTAND LINT WINGS	W6DR4L1C	96R301A37	1/8" AIRPILOT 3W NC 120V50/60	DRYER VAL BX
VEEL	VALVE-LINT STRIPPER	W6DR4L2F	96R301A37	1/8" AIRPILOT 3W NC 120V50/60	DRYER VAL BX
VELS	VALVE-LINT STRIPPER	W6DR4L1C	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DRYER VAL BX
VELS	VALVE-EXTAND LINT WINGS	W6DR4L2F	96TDC2AA37	1/2" N/C 2WAY 120V50/60C VALVE	DRYER VAL BX
VERL	VALVE-RETRACT LINT WINGS	W6DR4L1C	96R302A37	1/8" AIRPILOT 3W NO 120V50/60	DRYER VAL BX
VERL	VALVE-RETRACT LINT WINGS	W6DR4L2F	96R302A37	1/8" AIRPILOT 3W NO 120V50/60	DRYER VAL BX

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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.

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BMP720097
92732A

How to order repair parts

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

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

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

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

Please read this manual

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

PELLERIN MILNOR CORPORATION
P.O. BOX 400, KENNER, LA., 70063-0400, U.S.A.
FAX: Administration 504/468-9307, Engineering 504/469-1849, Service 504/469-9777

BMP720097R
72332A

On-Site Control Connections for Dryvac (Autolint®) Units Serving Dryers With Mark 5 Controls

If a Milnor Dryvac (Autolint) system is provided, control connections must be made on site between the Dryvac unit and the dryers it serves. The lint removal operation is handled by a sequencer which controls the sequencing of the dryers. Two Dryvac sequencers, corresponding to the two Dryvac models, are available: **Sequencer 3**, which handles up to three dryers, is used with Dryvac01 and **Sequencer 5**, which handles up to five dryers, is used with Dryvac02. The connection points may be on terminal blocks or mating connectors. The mating connectors and pins to be wired are normally provided in bags in the control box or cabinet.

1. Connections for Sequencer 3 (DRYVAC01)

The connections and connection point locations vary depending on the type of system the Dryvac unit is in, as follows:

- Dryvac serves stand-alone dryers or dryers in a Drynet or MultiTrac system—Connection points are on the dryer and the Dryvac unit. The sequencer is located in the Dryvac unit. see Table 1
- Dryvac serves dryers in a Miltrac system with a central controls mounting panel (belt box)—Connection points are on the dryer, the belt box, and the Dryvac unit. The sequencer is located in the belt box and certain dryer-to-sequencer connections are wired at the factory. see Table 2

Table 1: Sequencer 3 Connections When Dryvac Serves Stand-alone Dryers or Dryers in a Drynet or MultiTrac System

Purpose	Cable Specifications	Connection Point						
		On Dryer (Use either connector / pin shown. May have one or both.)					On Sequencer (on Dryvac)	
		Dryer #	Connector	Pin	Connector	Pin	Connector	Pin
Earth ground	14AWG (2.5mm²) with 600VAC insulation	--	--	--	TBA	6	Copper buss bar	
120VAC controls	Multi-conductor cable. Each conductor: 18AWG (1.0mm²) with 300VAC color coded insulation. Ground unused wires one end only.	--	WCN	01	TBA	99	TBT	27
		--	WCN	02	TBA	71	TBT	28
		--	WCN	04	TBA	101	TBT	1
		1	WCN	05	TBA	102	TBT	7
		2	WCN	05	TBA	102	TBT	8
		3	WCN	05	TBA	102	TBT	9
Processor input and digital ground	2-conductor shielded cable. Ground shield on one end only	1	WCN	06	TBA	100	TBT	12
		2	WCN	06	TBA	100	TBT	18
		3	WCN	06	TBA	100	TBT	20
		--	Ground terminal		TBA	7	Copper buss bar	

Table 2: Sequencer 3 Connections When Dryvac Serves Dryers In a Miltrac System With a Belt Box

Purpose	Cable Specifications	Connection Point					
		On Dryer (Use either connector / pin shown. May have one or both.)				On Dryer Controller (In Belt Box)	
		Connector	Pin	Connector	Pin	Connector	Pin
120VAC controls	Multi-conductor cable. Each conductor: 18AWG (1.0mm²) with 300VAC color coded insulation. Ground unused wires on one end only.	WCN	01	TBA	99	WCM	13
		WCN	02	TBA	71	WCM	14
		WCN	04	TBA	101	WCM	10
		WCN	05	TBA	102	WCM	11
Processor input/ ground	2-conductor shielded cable. Ground one end of shield only.	WCN	06	TBA	100	WCM	12
		Ground terminal		TBA	7	TBA	7
		On Dryvac				On Sequencer (in Belt Box)	
Earth ground	14AWG (2.5mm²) with 600VAC insulation	--	--	TBA	6	Copper buss bar	
120VAC controls	Multi-conductor cable. Each conductor: 18AWG (1.0mm²) with 300VAC color coded insulation. Ground unused wires on one end only.	--	--	TBA	19	TBT	27
		--	--	TBA	15	TBT	28
		--	--	TBA	5	TBT	1
		--	--	TBA	6	TBT	2
		--	--	TBA	7	TBT	13
		--	--	TBA	155	TBT	12
		--	--	TBA	156	TBT	18
		--	--	TBA	157	TBT	20

2. Connections for Sequencer 5 (DRYVAC02)

The connections and connection point locations vary depending on the type of system the Dryvac unit is in, as follows:

- Dryvac serves stand-alone dryers or dryers in a Drynet or MultiTrac system—Connection points are on the dryer and the Dryvac unit. The sequencer is located in the Dryvac unit. see Table 3
- Dryvac serves dryers in a Miltrac system with a central controls mounting panel (belt box)—Connection points are on the dryer, the belt box, and the Dryvac unit. The sequencer is located in the belt box and certain dryer-to-sequencer connections are wired at the factory. see Table 4

Table 3: Sequencer 5 Connections When Dryvac Serves Stand-alone Dryers or Dryers In a Drynet or MultiTrac System

Purpose	Cable Specifications	Connection Point						
		On Dryer (Use either connector / pin shown. May have one or both.)					On Sequencer (on Dryvac)	
		Dryer #	Connector	Pin	Connector	Pin	Connector	Pin
Earth ground	14AWG (2.5mm²) with 600VAC insulation	--	--	--	TBA	6	Copper buss bar	
120VAC controls	Multi-conductor cable. Each conductor: 18AWG (1.0mm²) with 300VAC color coded insulation. Ground unused wires on one end only.	--	WCN	01	TBA	99	TBT	27
		--	WCN	02	TBA	71	TBT	28
		--	WCN	04	TBA	101	TBT	1
		1	WCN	05	TBA	102	TBT	7
		2	WCN	05	TBA	102	TBT	8
		3	WCN	05	TBA	102	TBT	9
		4	WCN	05	TBA	102	TBT	10
		5	WCN	05	TBA	102	TBT	11
Processor input and digital ground	2-conductor shielded cable. Ground shield on one end only	1	WCN	06	TBA	100	TBS	2
		2	WCN	06	TBA	100	TBS	3
		3	WCN	06	TBA	100	TBS	4
		4	WCN	06	TBA	100	TBS	5
		5	WCN	06	TBA	100	TBS	6
		--	Ground terminal		TBA	7	Copper buss bar	

Table 4: Sequencer 5 Connections When Dryvac Serves Dryers In a Miltrac System With a Belt Box

Purpose	Cable Specifications	Connection Point					
		On Dryer (Use either connector / pin shown. May have one or both.)				On Dryer Controller (in Belt Box)	
		Connector	Pin	Connector	Pin	Connector	Pin
120VAC controls	Multi-conductor cable. Each conductor: 18AWG (1.0mm²) with 300VAC color coded insulation. Ground unused wires on one end only.	WCN	01	TBA	99	WCM	13
		WCN	02	TBA	71	WCM	14
		WCN	04	TBA	101	WCM	10
		WCN	05	TBA	102	WCM	11
Processor input/ ground	2-conductor shielded cable. Ground one end of shield only.	WCN	06	TBA	100	WCM	12
		Ground terminal		TBA	7	TBA	7
		On Dryvac				On Sequencer (in Belt Box)	
Earth ground	14AWG (2.5mm²) with 600VAC insulation	--	--	TBA	6	Copper buss bar	
120VAC controls	Multi-conductor cable. Each conductor: 18AWG (1.0mm²) with 300VAC color coded insulation. Ground unused wires on one end only.	--	--	TBA	19	TBT	27
		--	--	TBA	15	TBT	28
		--	--	TBA	5	TBT	1
		--	--	TBA	6	TBT	2
		--	--	TBA	7	TBT	13
		--	--	TBA	155	TBT	12
		--	--	TBA	156	TBT	18
		--	--	TBA	157	TBT	20

— End of BICDUI04 —

HOW TO USE MILNOR® ELECTRICAL SCHEMATICS

Milnor® electrical schematic manuals contain a ***table of contents/component list*, a set of s*chematic 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 MSTS0202BE HOW TO USE THE SIGNAL ROUTING TABLE provides more information.

Component Prefix Classifications and Descriptions

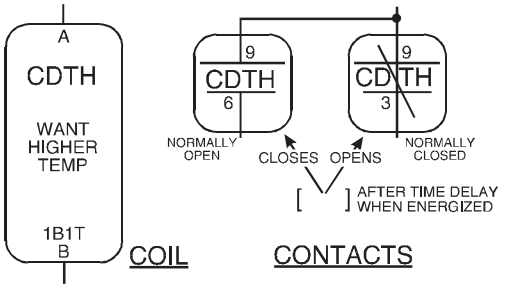
The ***component item numbers*** consist of up to six characters and appear as part of a component's symbol on the schematic. The first two characters indicate the general class of component and the remaining characters are a mnemonic for the function. For example, CD is the code for all time delay relays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

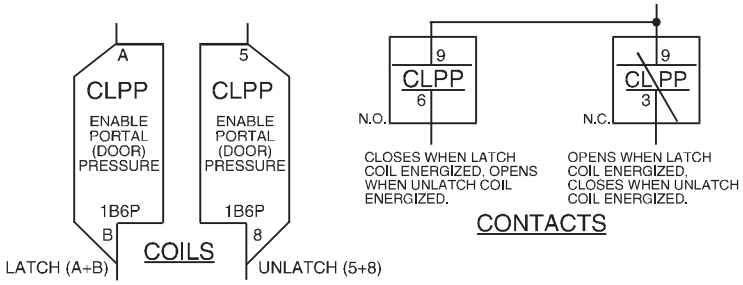
The following are descriptions of the electrical components used in Milnor® machines. Descriptions are in alphabetical order of the component class code (two character prefix).

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).

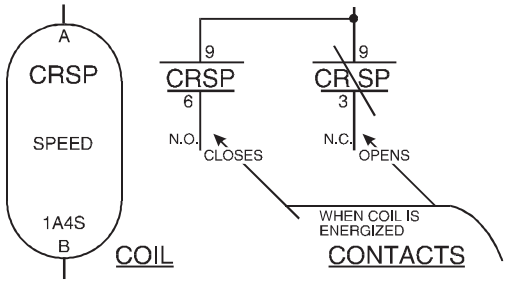
CD=Control, Time Delay Relay A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.

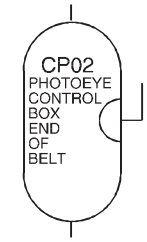




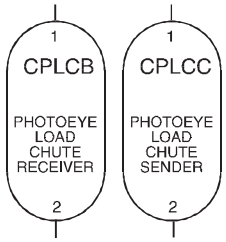
CL=Control, Latch Relay A relay which latches in an energized or set position when operated by one coil (the *latch/set coil*). The relay stays latched, even though coil voltage is removed. The relay releases or unlatches when voltage is applied to a second coil, (the *unlatch/reset coil*).

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.





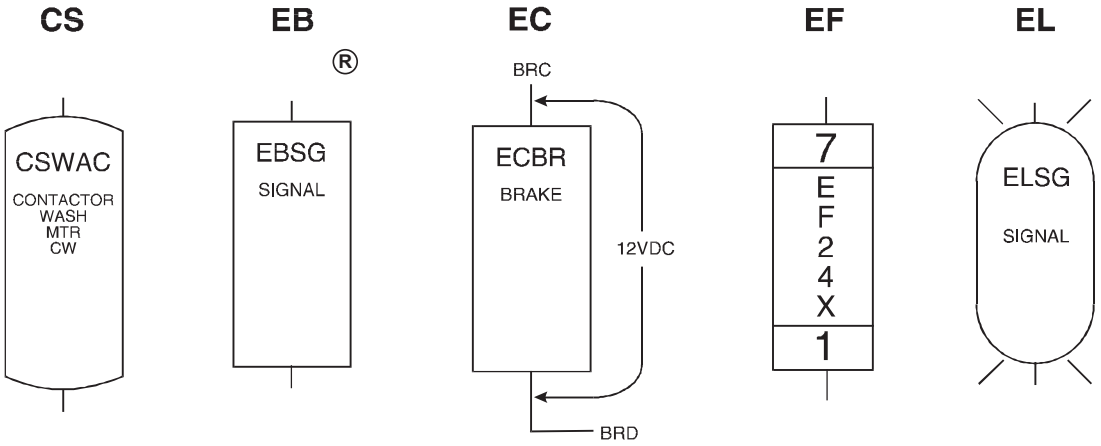
Example of One Assembly



Example of Two Separate Assemblies

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).



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).

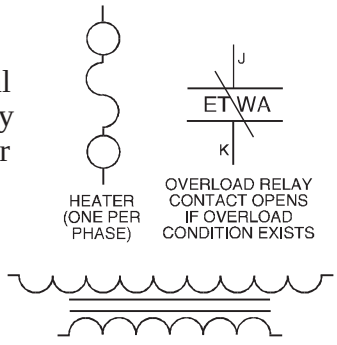
EF=Electric Fuse A fuse is an over-current safety device with a circuit opening fusible member which is heated and severed by the passage of over-current through it.

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 (altemating current) to filtered and regulated DC (direct current). The input voltage to the power supply is usually 120 or 240 VAC . The output is +5, +12, and -12 VDC.

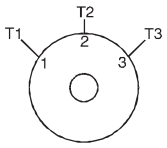
ET=Thermal Overload A safety device designed to protect a motor. A thermal overload consists of an overload block, heaters, and an auxiliary contact. The auxiliary contact is normally installed in a safety (three-wire) circuit that stops power to the motor contactor coil when a motor overload occurs.



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

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

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



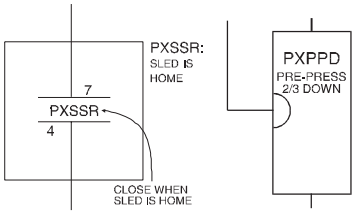
MR=Motors Electro-mechanical device that converts electrical energy into mechanical energy.

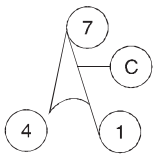
MV=Motor (Variable Speed) Inverter To vary the speed of an AC motor, the volts to frequency ratio must be kept constant. The motor will overheat if this ratio is not maintained.

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

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

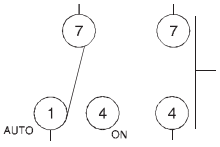
PX=Proximity Switch A device which reacts to the proximity of an target without physical contact or connection. The actuator or target causes a change in the inductance of the proximity switch which causes the switch to operate. Proximity switches can be two-wire (AC) or three-wire (DC) devices.

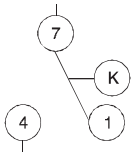




SC=Switch, Cam Operated A switch in which the electrical contacts are opened and/or closed by the mechanical action of a cam(s). Applications include 35-50 pound timer operated machines, autospot, timer reversing motor assembly, and some balancing systems.

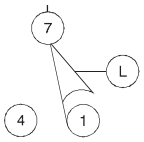
SH=Switch, Hand Operated A switch that is manually operated (e.g., *Start button, Master switch,* etc.).



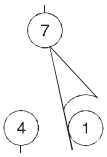


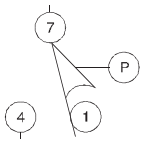
SK=Switch, Key Lock A switch that requires a key to operate . This prevents unauthorized personnel from gaining access to certain functions (e.g., the *Program Menu*).

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



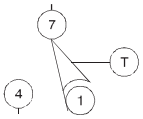
SM=Switch, Mechanically Operated A switch that is mechanically operated by a part of or the motion of the machine (e.g., door closed switch, tilt limit switches, etc.)





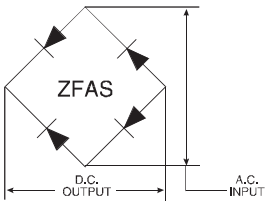
SP=Switch, Pressure Operated A switch consisting of a diaphragm that pushes against a switch actuator.

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



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

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

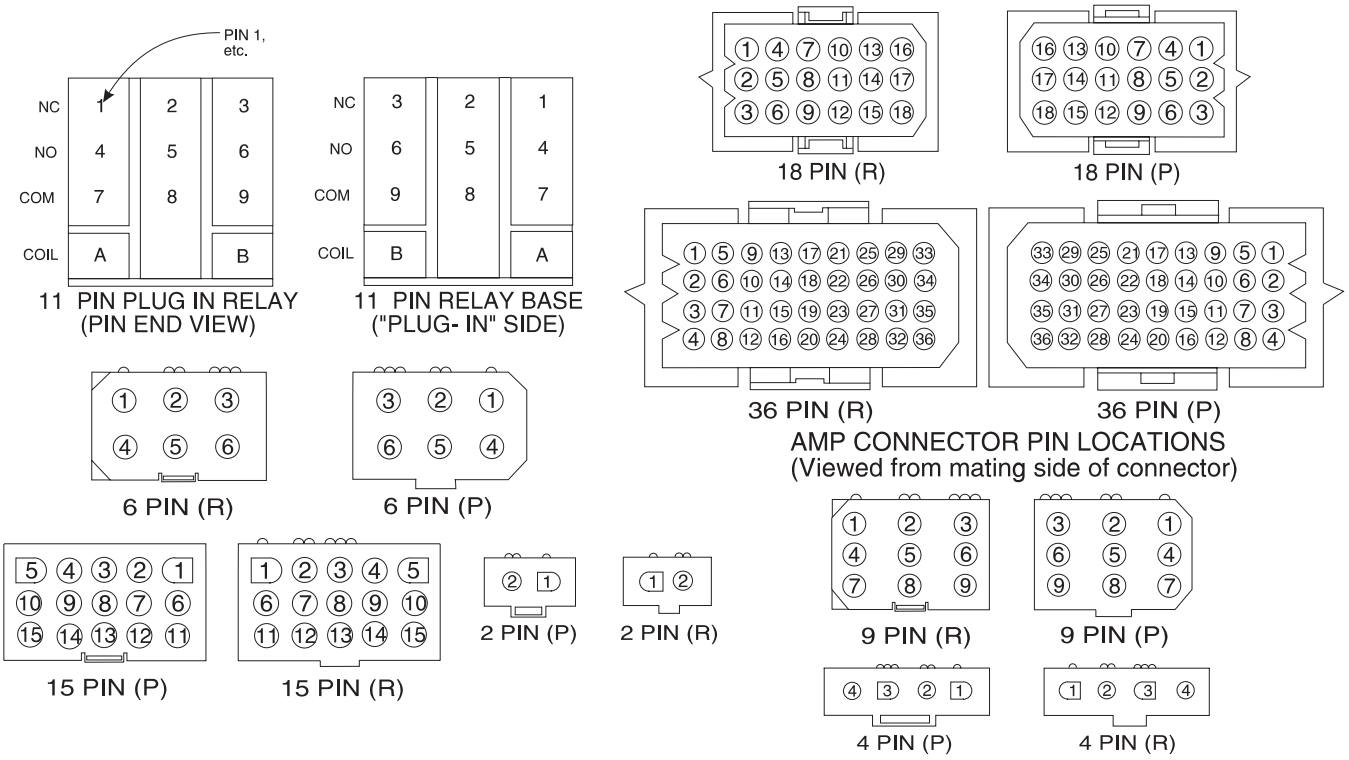


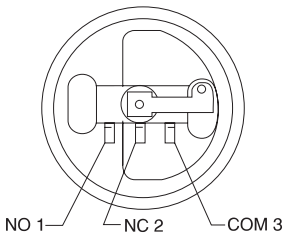
ZF=Rectifier A solid state device that converts alternating current to direct current.

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

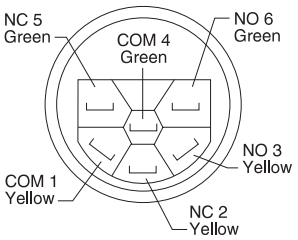
Component Terminal Numbering

NOTE: Numbers shown usually appear on the component.

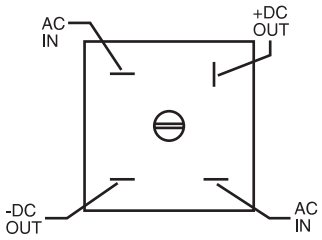




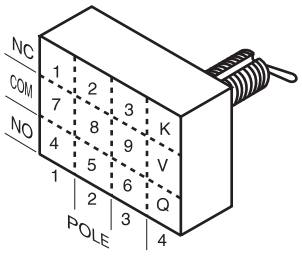
PRESSURE SWITCH



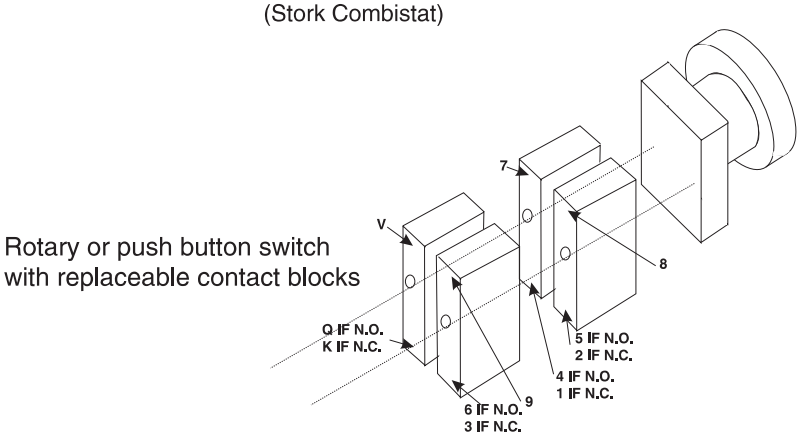
TEMPERATURE CONTROLLER (Stork Combistat)



BRIDGE RECTIFIER



TOGGLE SWITCH



Features of Milnor® Electrical Schematics

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

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

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

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

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

② Included in the drawing title are the class of control system, the title of this circuit, and the circuit voltage.

③ Line numbers are provided along the bottom edge of the drawing. These permit service personnel in the field and at the Milnor factory to quickly relate circuit locations when discussing troubleshooting over the phone. Page and line numbers are referenced on the drawing as explained in items five and six below.

④ General functions of the circuit or portions thereof are stated across the top edge of the drawing.

⑤ Relay contacts show the page and line number on which the relay coil may be found. This is the type of cross referencing most frequently used in troubleshooting.

⑥ Relay coils show the page and line number on which its associated contacts are located.

⑦ Relay contacts and relay coils show the physical location of the relay.

⑧ The designation *MTA* applies to electronic circuit board connections. Typically, a control system will contain several different types of circuit boards and one or more boards of each type. A numerical suffix identifies the board type and a numerical prefix identifies which one of several boards of a given type is being depicted. For example, the designation *1MTA5* identifies this as the first I/O board (8 output, 16 input board) in the control system. As shown on the drawing, a pin number follows the board number, separated by a dash. Thus, *1MTA5-9* is pin 9 on this board. The numerical designations for board types vary from one control system to another. Some of the board types commonly encountered on the Mark II washer-extractor control and their designations are as follows:

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

MTA11-MTA16 = 16 output boards

MTA30-MTA40 = processor boards

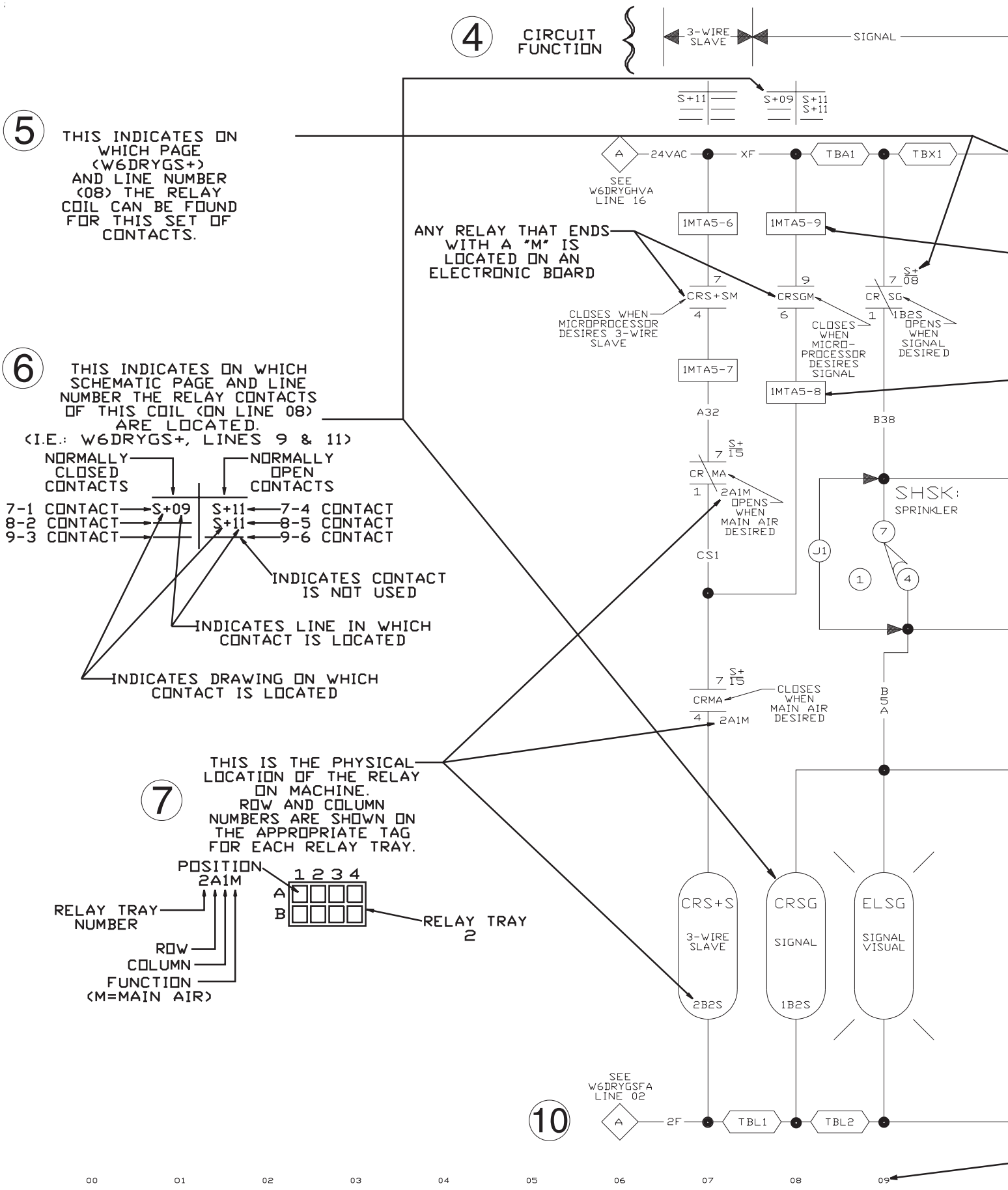
MTA41-MTA43 = digital to analog (D/A) boards

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

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

⑨ The wire numbers, as described in the explanation of the signal routing table at the beginning of this section, are shown at appropriate locations on the schematic drawing.

⑩ Where diamond symbols appear at the end of a conductor, these are match points for continuing the schematic on another drawing. The page and line number that continues the circuit is printed adjacent to the diamond symbol. Where more than one match point appears on the referenced page, match diamonds containing corresponding letters.


4
CIRCUIT FUNCTION
3-WIRE SLAVE
SIGNAL
5
THIS INDICATES ON WHICH PAGE (W6DRYGS+) AND LINE NUMBER (08) THE RELAY COIL CAN BE FOUND FOR THIS SET OF CONTACTS.
6
THIS INDICATES ON WHICH SCHEMATIC PAGE AND LINE NUMBER THE RELAY CONTACTS OF THIS COIL (ON LINE 08) ARE LOCATED.
(I.E.: W6DRYGS+, LINES 9 & 11)
NORMALLY CLOSED CONTACTS
NORMALLY OPEN CONTACTS
7-1 CONTACT
8-2 CONTACT
9-3 CONTACT
S+09
S+11
S+11
7-4 CONTACT
8-5 CONTACT
9-6 CONTACT
INDICATES CONTACT IS NOT USED
INDICATES LINE IN WHICH CONTACT IS LOCATED
INDICATES DRAWING ON WHICH CONTACT IS LOCATED
7
THIS IS THE PHYSICAL LOCATION OF THE RELAY ON MACHINE. ROW AND COLUMN NUMBERS ARE SHOWN ON THE APPROPRIATE TAG FOR EACH RELAY TRAY.
POSITION 2A1M
1 2 3 4
A
B
RELAY TRAY NUMBER
ROW
COLUMN
FUNCTION (M=MAIN AIR)
RELAY TRAY 2
ANY RELAY THAT ENDS WITH A "M" IS LOCATED ON AN ELECTRONIC BOARD
A
24VAC
XF
TBA1
TBX1
SEE W6DRYGHVA LINE 16
1MTA5-6
1MTA5-9
CRS+SM
CRSGM
CR SG
CLOSES WHEN MICROPROCESSOR DESIRES 3-WIRE SLAVE
CLOSES WHEN MICRO-PROCESSOR DESIRES SIGNAL
1B2S OPENS WHEN SIGNAL DESIRED
1MTA5-7
1MTA5-8
A32
B38
CR MA
2A1M OPENS WHEN MAIN AIR DESIRED
CS1
SHSK
SPRINKLER
J1
CRMA
CLOSES WHEN MAIN AIR DESIRED
2A1M
B5A
CRS+S
3-WIRE SLAVE
2B2S
CRSG
SIGNAL
1B2S
ELSG
SIGNAL VISUAL
SEE W6DRYGSFA LINE 02
10
2F
TBL1
TBL2
00 01 02 03 04 05 06 07 08 09

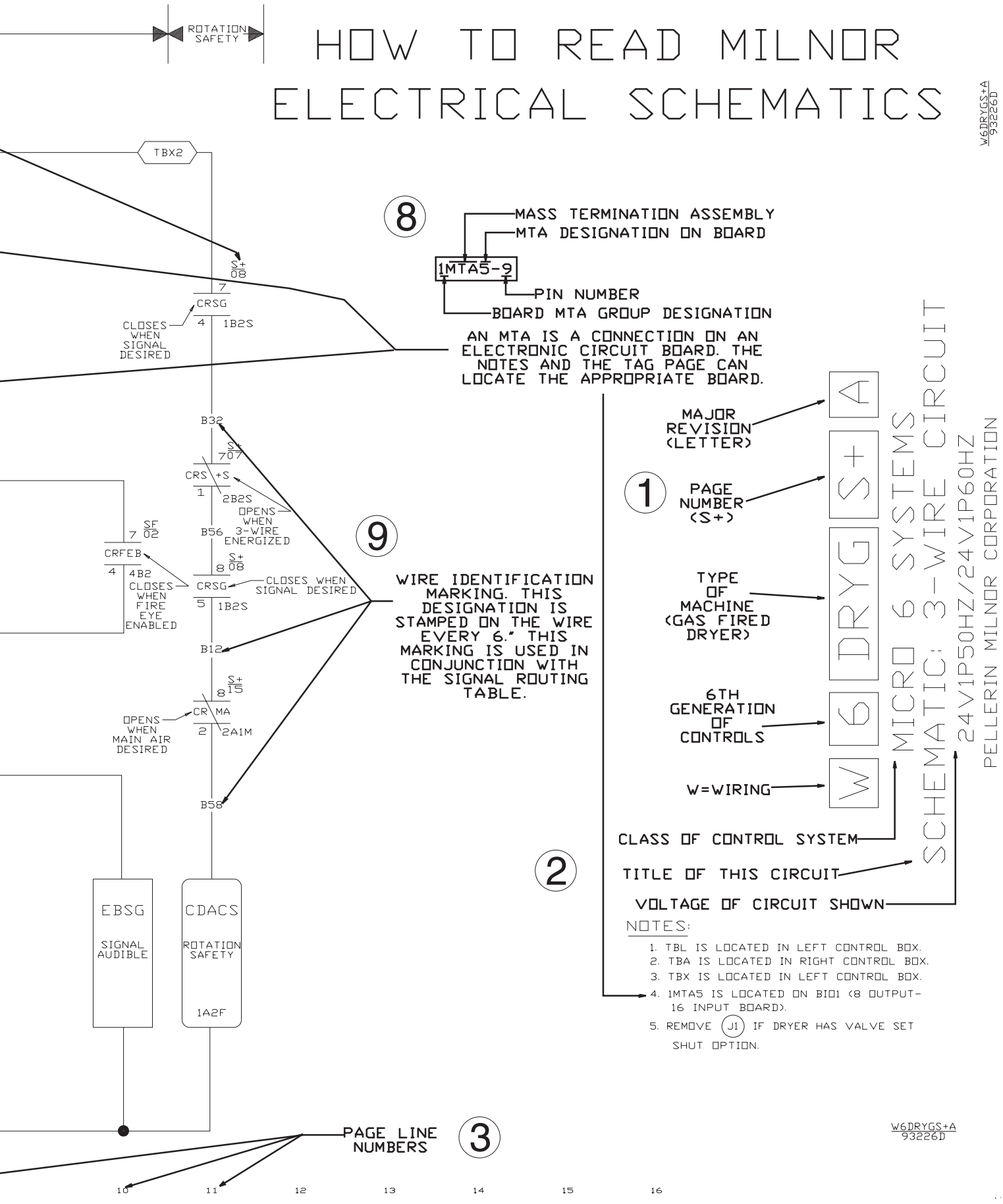
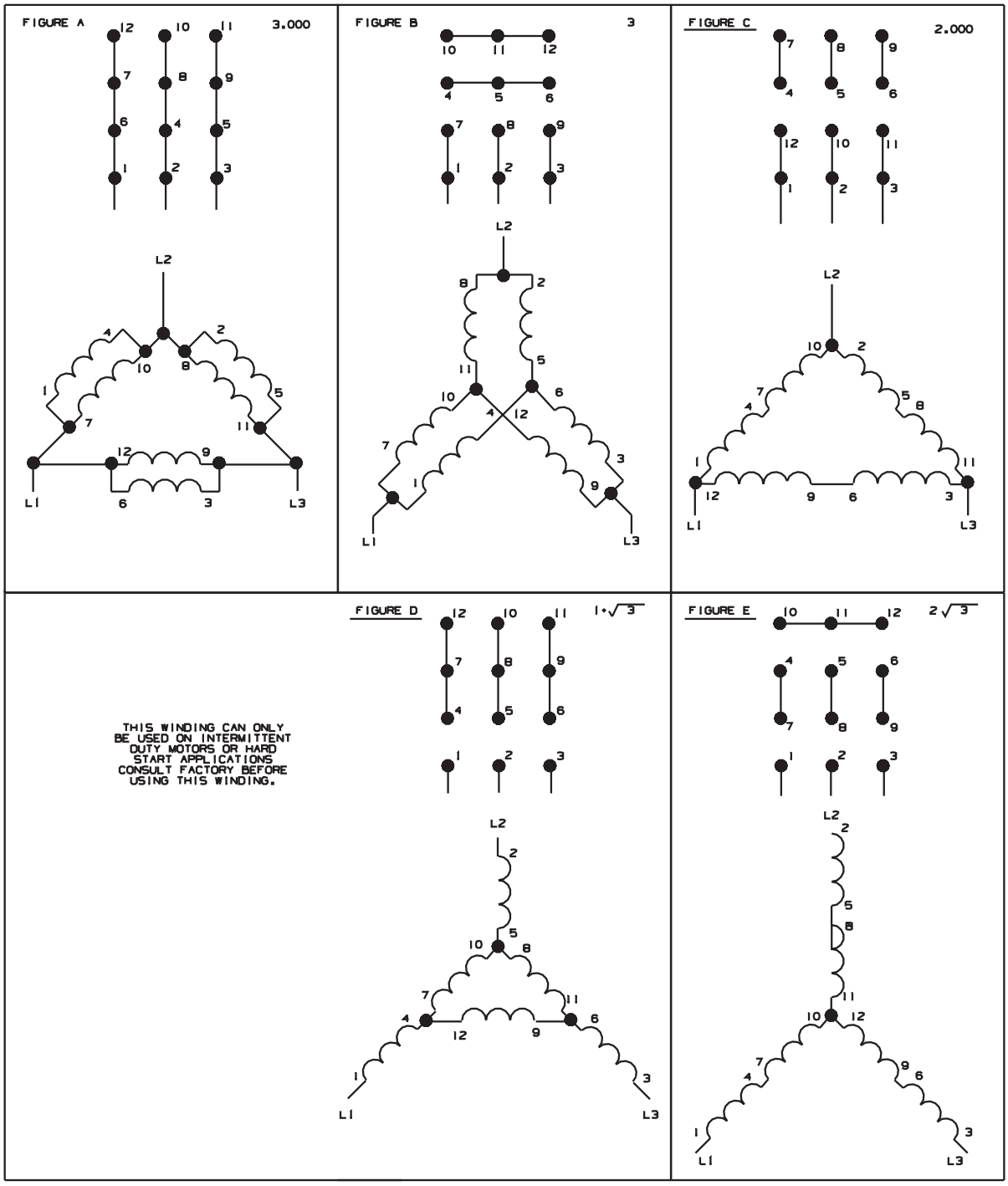

ROTATION SAFETY
HOW TO READ MILNOR ELECTRICAL SCHEMATICS
W6DRYGS+A 93226D
TBX2
8
MASS TERMINATION ASSEMBLY
MTA DESIGNATION ON BOARD
1MTA5-9
PIN NUMBER
BOARD MTA GROUP DESIGNATION
AN MTA IS A CONNECTION ON AN ELECTRONIC CIRCUIT BOARD. THE NOTES AND THE TAG PAGE CAN LOCATE THE APPROPRIATE BOARD.
S+ 08
7
CRSG
4
1B2S
CLOSES WHEN SIGNAL DESIRED
B32
S+ 07
CRS
1
+S
2B2S
OPENS WHEN 3-WIRE ENERGIZED
B56
SF 02
7
CRFEB
4
4B2
CLOSES WHEN FIRE EYE ENABLED
9
S+ 08
8
CRSG
5
1B2S
CLOSES WHEN SIGNAL DESIRED
WIRE IDENTIFICATION MARKING. THIS DESIGNATION IS STAMPED ON THE WIRE EVERY 6." THIS MARKING IS USED IN CONJUNCTION WITH THE SIGNAL ROUTING TABLE.
B12
S+ 15
8
CR
2
MA
2A1M
OPENS WHEN MAIN AIR DESIRED
B58
EBSG
SIGNAL AUDIBLE
CDACS
ROTATION SAFETY
1A2F
MAJOR REVISION (LETTER)
A
1
PAGE NUMBER (S+)
S+
TYPE OF MACHINE (GAS FIRED DRYER)
DRYG
6TH GENERATION OF CONTROLS
6
W=WIRING
W
CLASS OF CONTROL SYSTEM
2
TITLE OF THIS CIRCUIT
MICRO 6 SYSTEMS SCHEMATIC: 3-WIRE CIRCUIT
VOLTAGE OF CIRCUIT SHOWN
24V1P50HZ/24V1P60HZ
PELLERIN MILNOR CORPORATION
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 BIO1 (8 OUTPUT-16 INPUT BOARD).
5. REMOVE (J1) IF DRYER HAS VALVE SET SHUT OPTION.
PAGE LINE NUMBERS
3
W6DRYGS+A 93226D
10
11
12
13
14
15
16

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	$1+\sqrt{3}$						600				600
E	$2\sqrt{3}$			380							



06 07 08 09 10 11 12 13 14 15 16 17

BMP850029

MOTOR CONNECTION DIAGRAMS

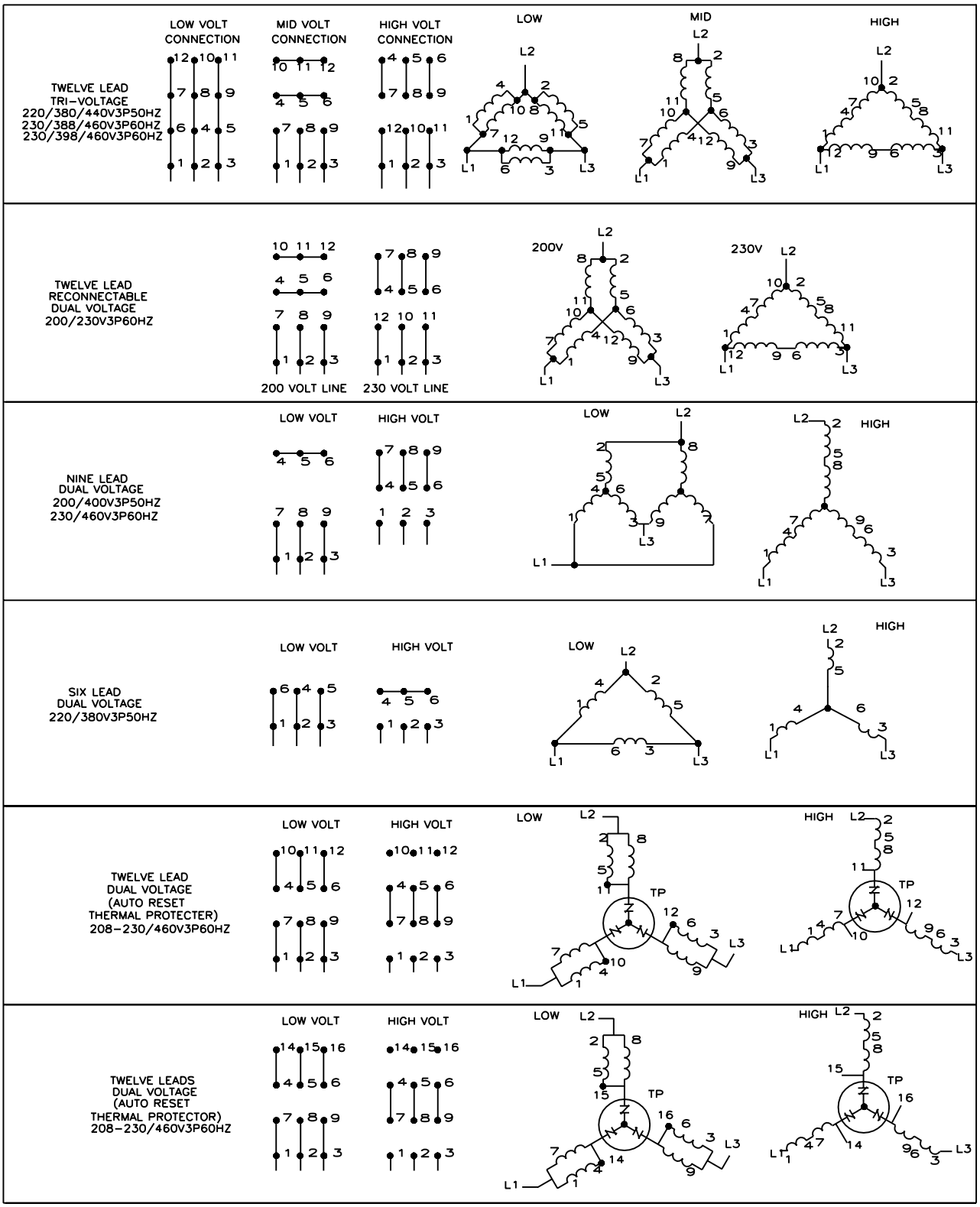
THREE PHASE SINGLE SPEED MOTORS WITH MULTIPLE VOLTAGE RATINGS

(ONLY FOR MOTOR SUFFIXES LISTED)

PELLERIN MILNOR CORPORATION

BMP850029
993628

BMP850029
993628

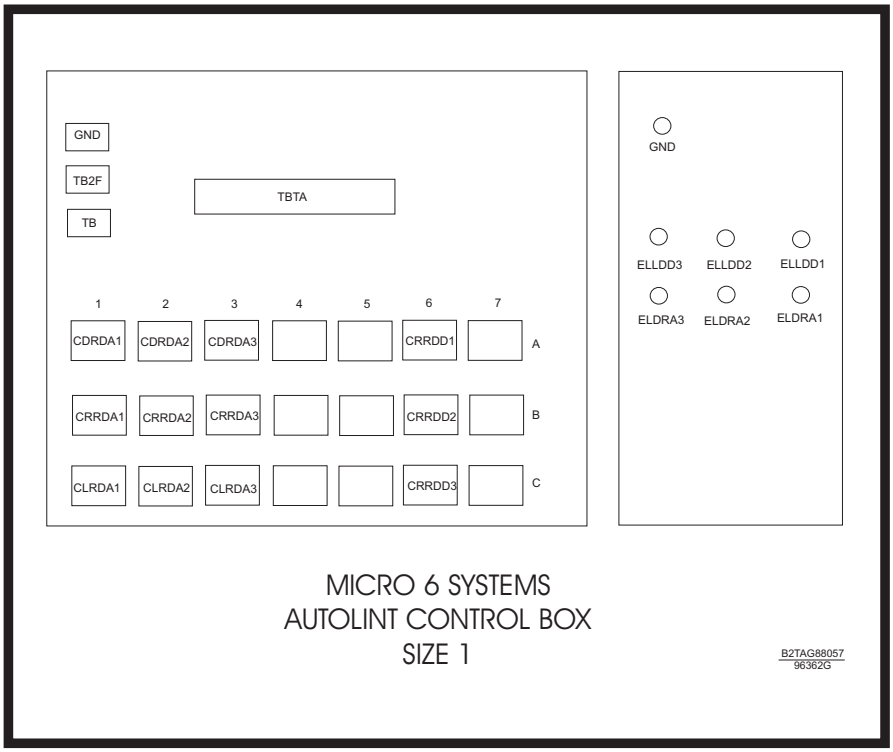


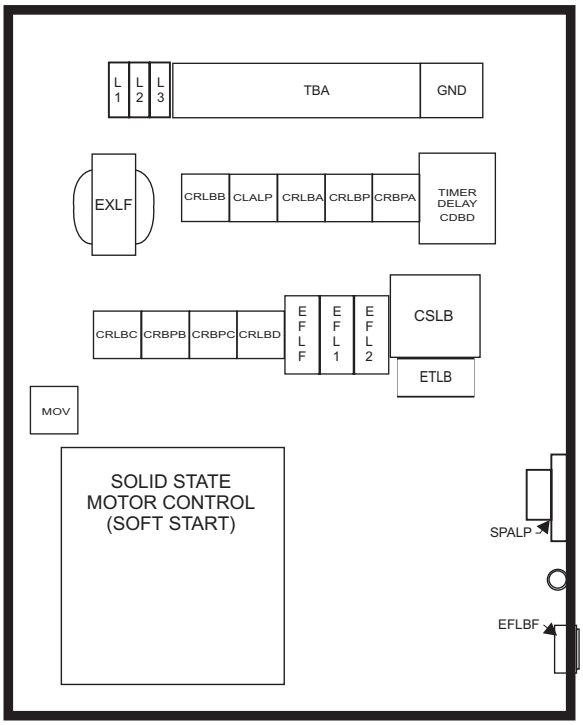
W80008

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

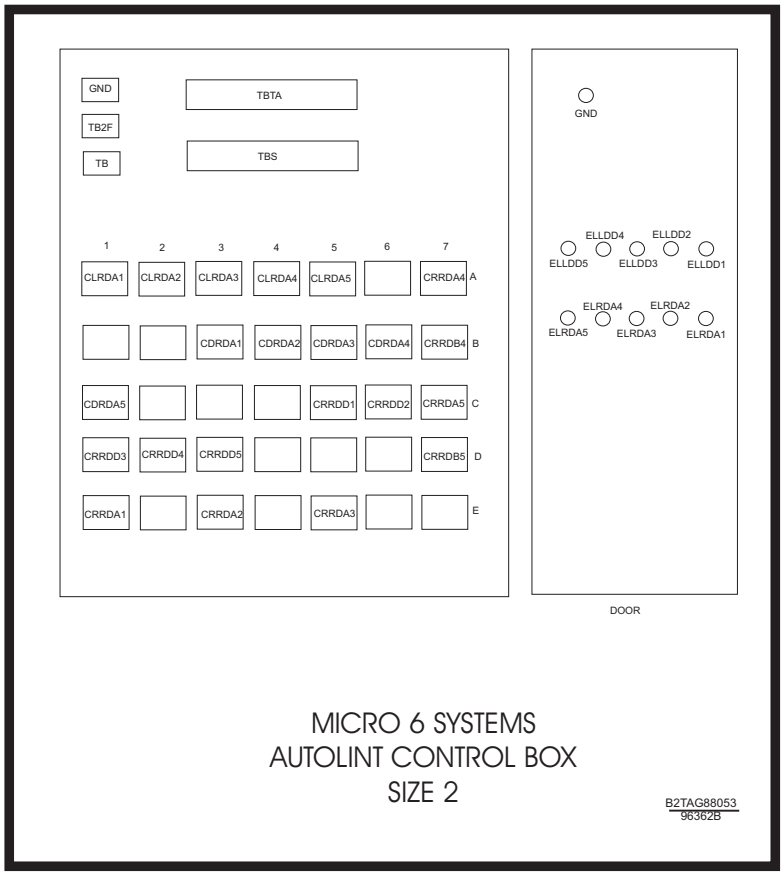
W80008
2001253A

W80008
2001253A


GND
TB2F
TB
TBTA
1
2
3
4
5
6
7
CDRDA1
CDRDA2
CDRDA3
CRRDD1
A
CRRDA1
CRRDA2
CRRDA3
CRRDD2
B
CLRDA1
CLRDA2
CLRDA3
CRRDD3
C
GND
ELLDD3
ELLDD2
ELLDD1
ELDRA3
ELDRA2
ELDRA1
MICRO 6 SYSTEMS
AUTOLINT CONTROL BOX
SIZE 1
B2TAG88057
96362G



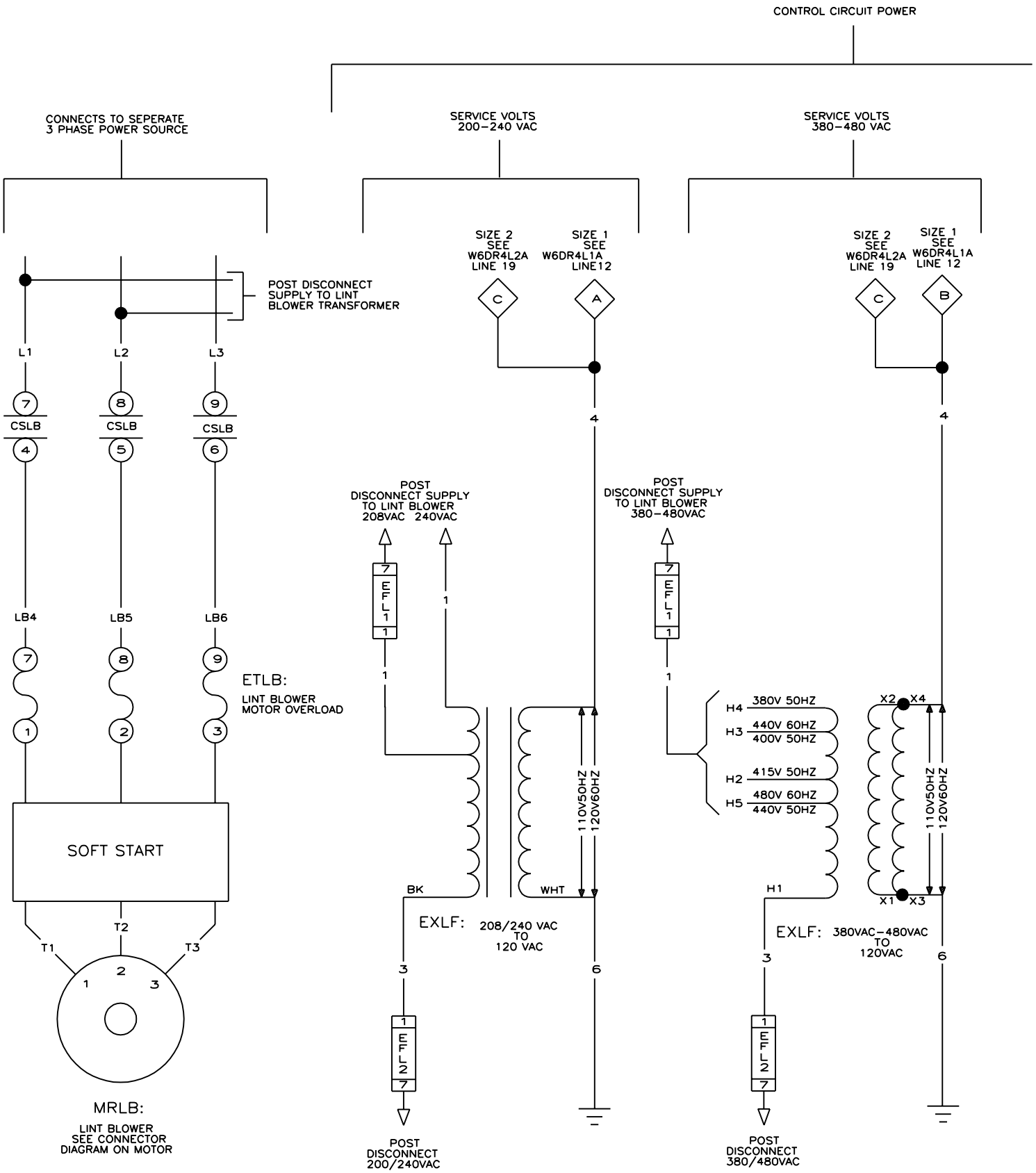
MICRO 6 SYSTEMS
AUTOLINT CONTROL BOX
SIZE 1 AND SIZE 2
PELLERIN MILNOR CORPORATION B2TAG96037
97126G

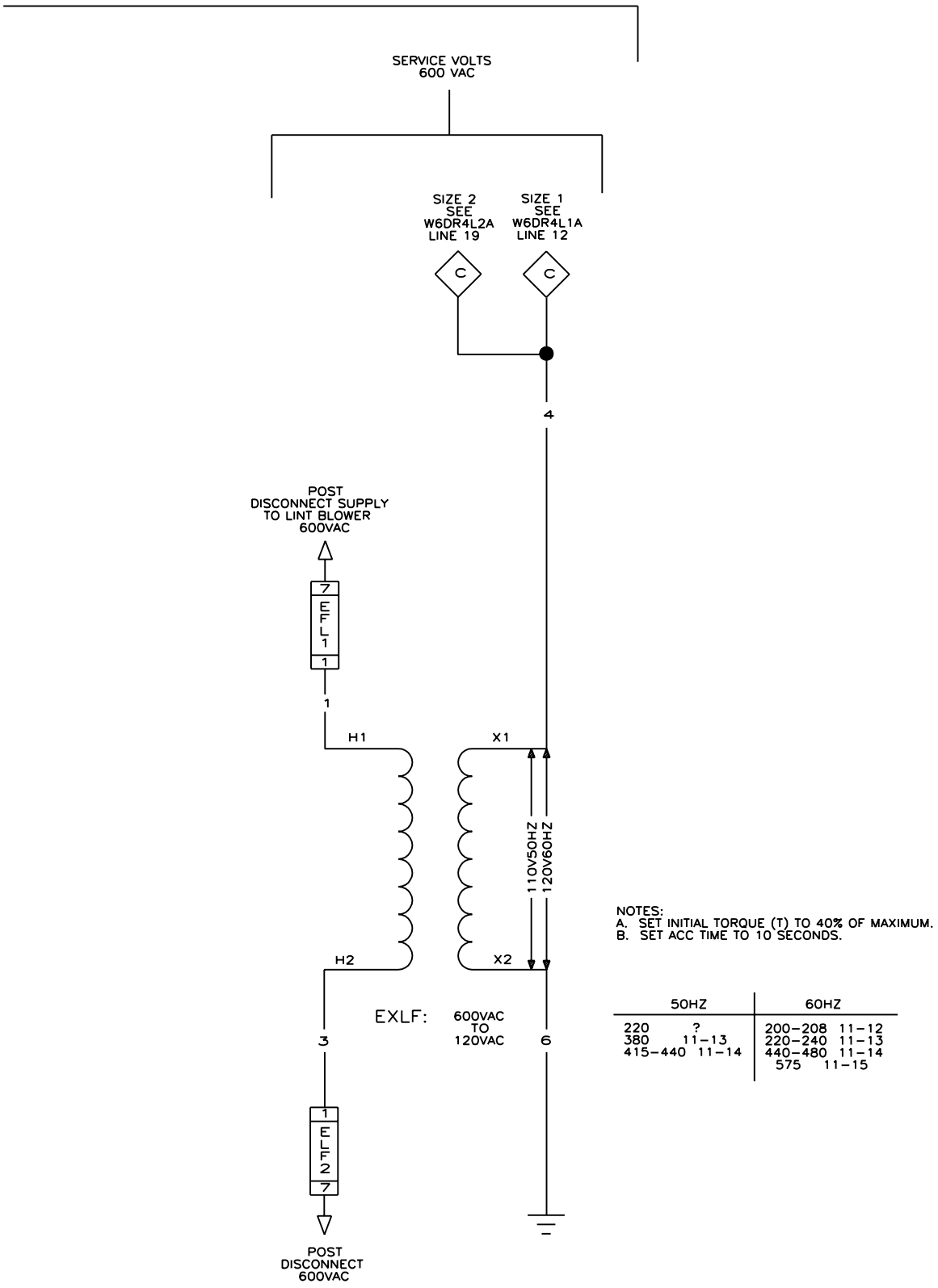


MICRO 6 SYSTEMS
AUTOLINT CONTROL BOX
SIZE 2

B2TAG88053
96362B

W6DR4LTAG
AUTOLINT MACHINE TAGS
PELLERIN MILNOR CORPORATION


CONTROL CIRCUIT POWER
CONNECTS TO SEPERATE 3 PHASE POWER SOURCE
SERVICE VOLTS 200–240 VAC
SERVICE VOLTS 380–480 VAC
POST DISCONNECT SUPPLY TO LINT BLOWER TRANSFORMER
SIZE 2 SEE W6DR4L2A LINE 19
SIZE 1 SEE W6DR4L1A LINE12
SIZE 2 SEE W6DR4L2A LINE 19
SIZE 1 SEE W6DR4L1A LINE 12
L1
L2
L3
CSLB
LB4
LB5
LB6
ETLB:
LINT BLOWER MOTOR OVERLOAD
SOFT START
T1
T2
T3
MRLB:
LINT BLOWER SEE CONNECTOR DIAGRAM ON MOTOR
POST DISCONNECT SUPPLY TO LINT BLOWER 208VAC 240VAC
POST DISCONNECT SUPPLY TO LINT BLOWER 380–480VAC
EFL1
EFL2
110V50HZ
120V60HZ
BK
WHT
EXLF: 208/240 VAC TO 120 VAC
EXLF: 380VAC–480VAC TO 120VAC
H1
H2
H3
H4
H5
380V 50HZ
440V 60HZ
400V 50HZ
415V 50HZ
480V 60HZ
440V 50HZ
X1
X2
X3
X4
POST DISCONNECT 200/240VAC
POST DISCONNECT 380/480VAC
00
01
02
03
04
05
06
07
08
09
LITHO IN THE USA
W6DR4L1D
2002114B



NOTES:
A. SET INITIAL TORQUE (T) TO 40% OF MAXIMUM.
B. SET ACC TIME TO 10 SECONDS.

50HZ		60HZ	
220	?	200–208	11–12
380	11–13	220–240	11–13
415–440	11–14	440–480	11–14
		575	11–15

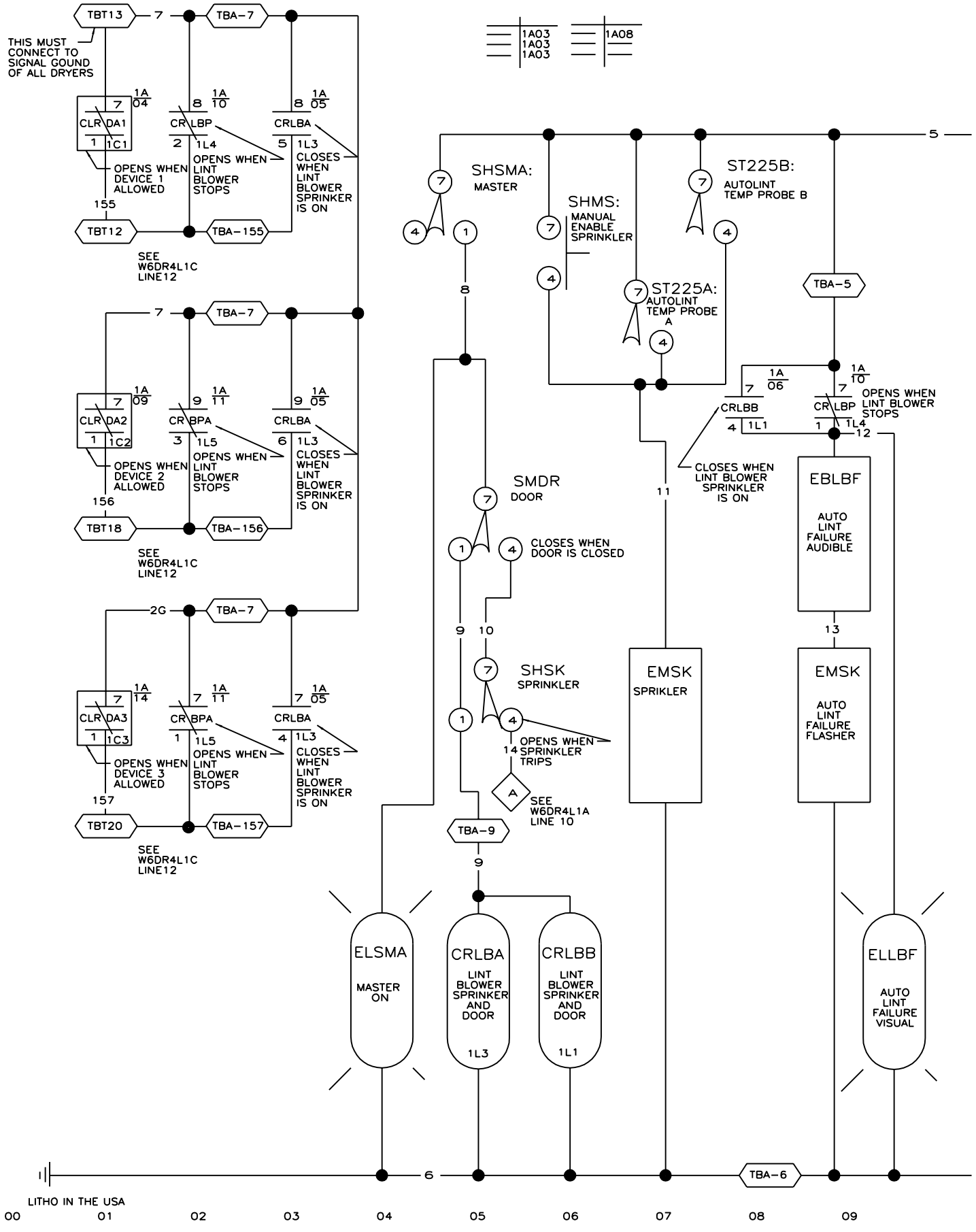
W6DR4L1D

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

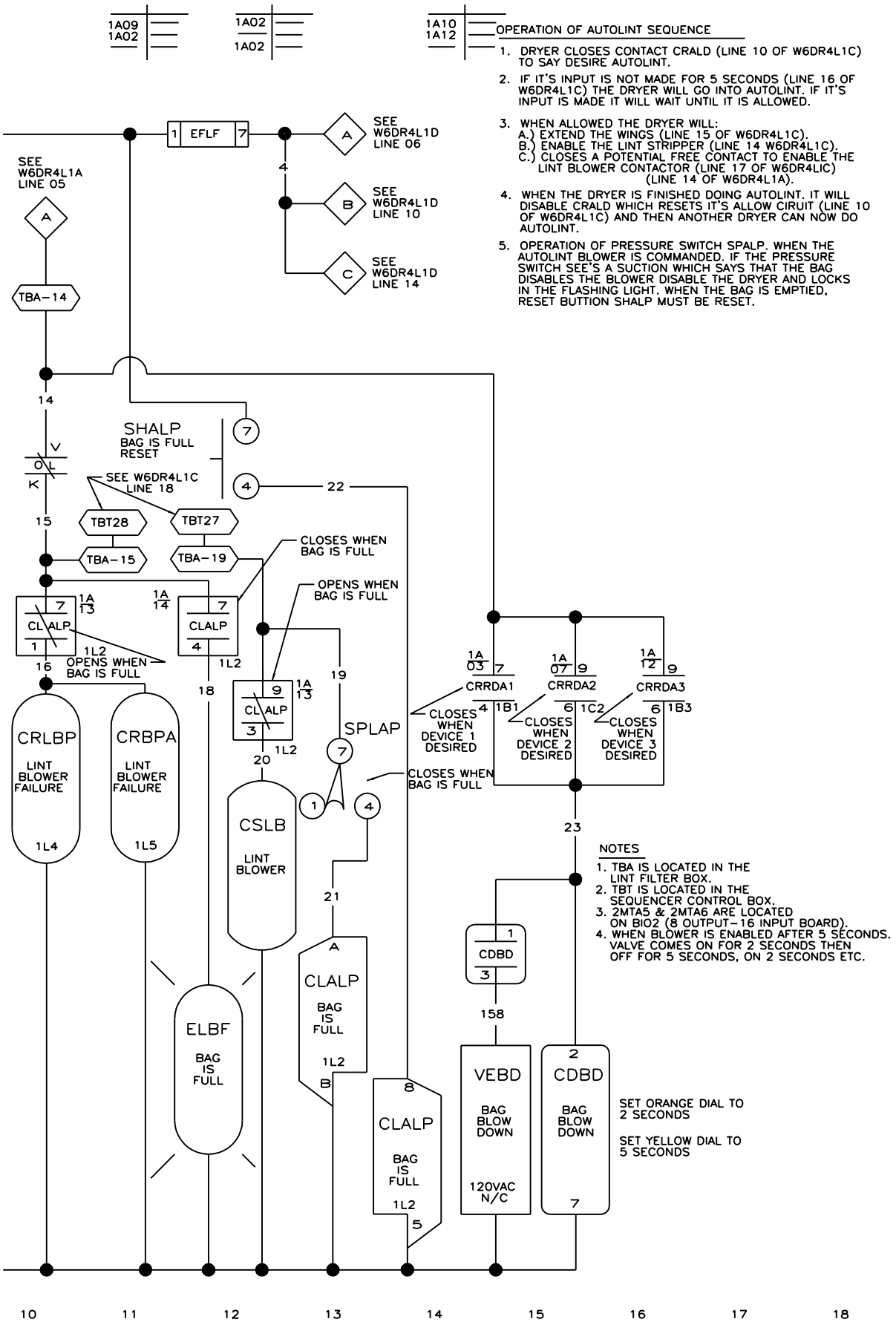
10 11 12 13 14 15 16 17

Section 1

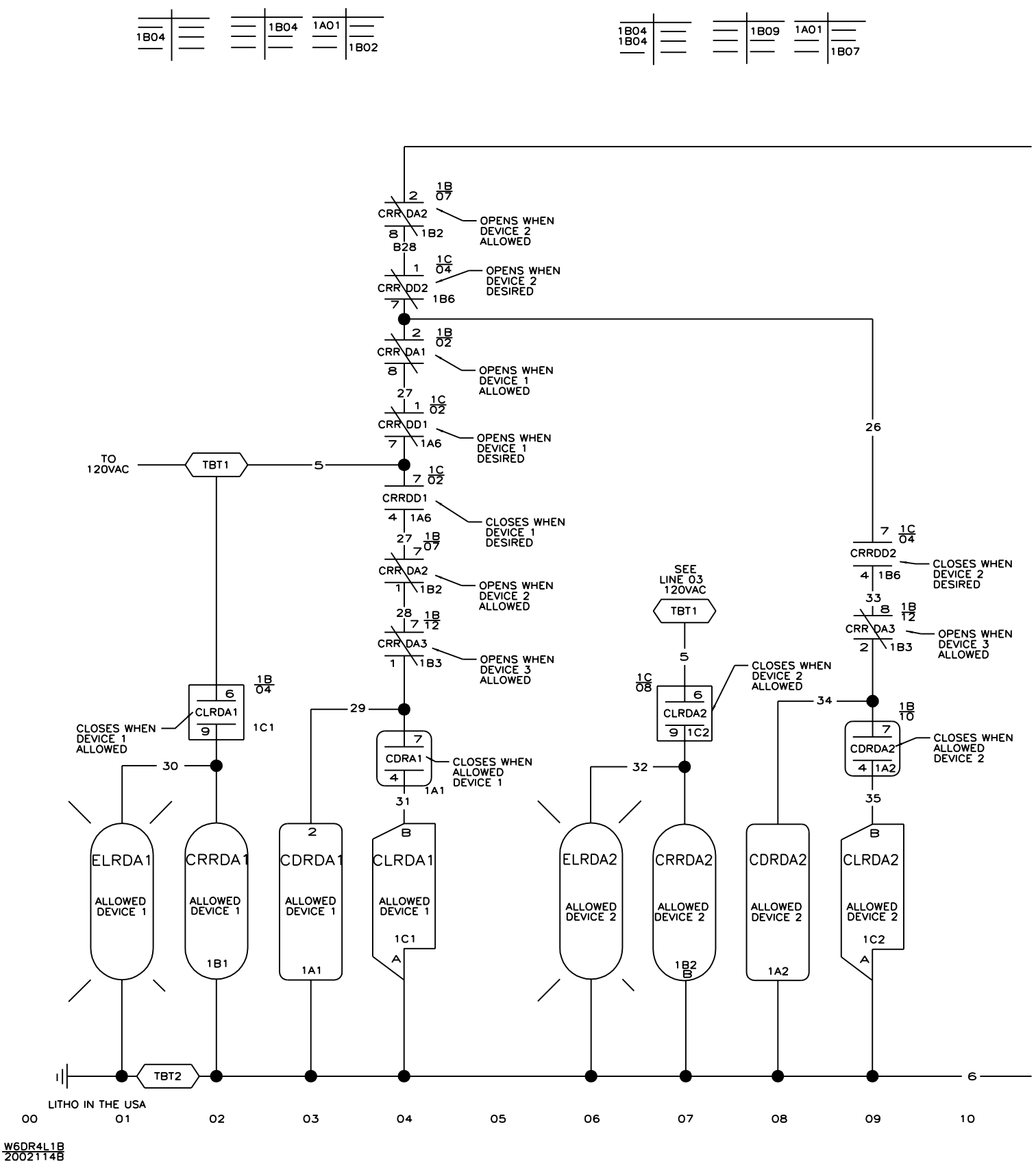
Dryvac01 Schematics



W6DR4L1A
2002114B



W6DR4L1A
MICRO 6 SYSTEMS MARK V CONTROLS
SCHEMATIC: DRY-VAC SIZE 1 LINT FILTER SEQUENCER
PELLERIN MILNOR CORPORATION



W6DR4L1B
2002114B

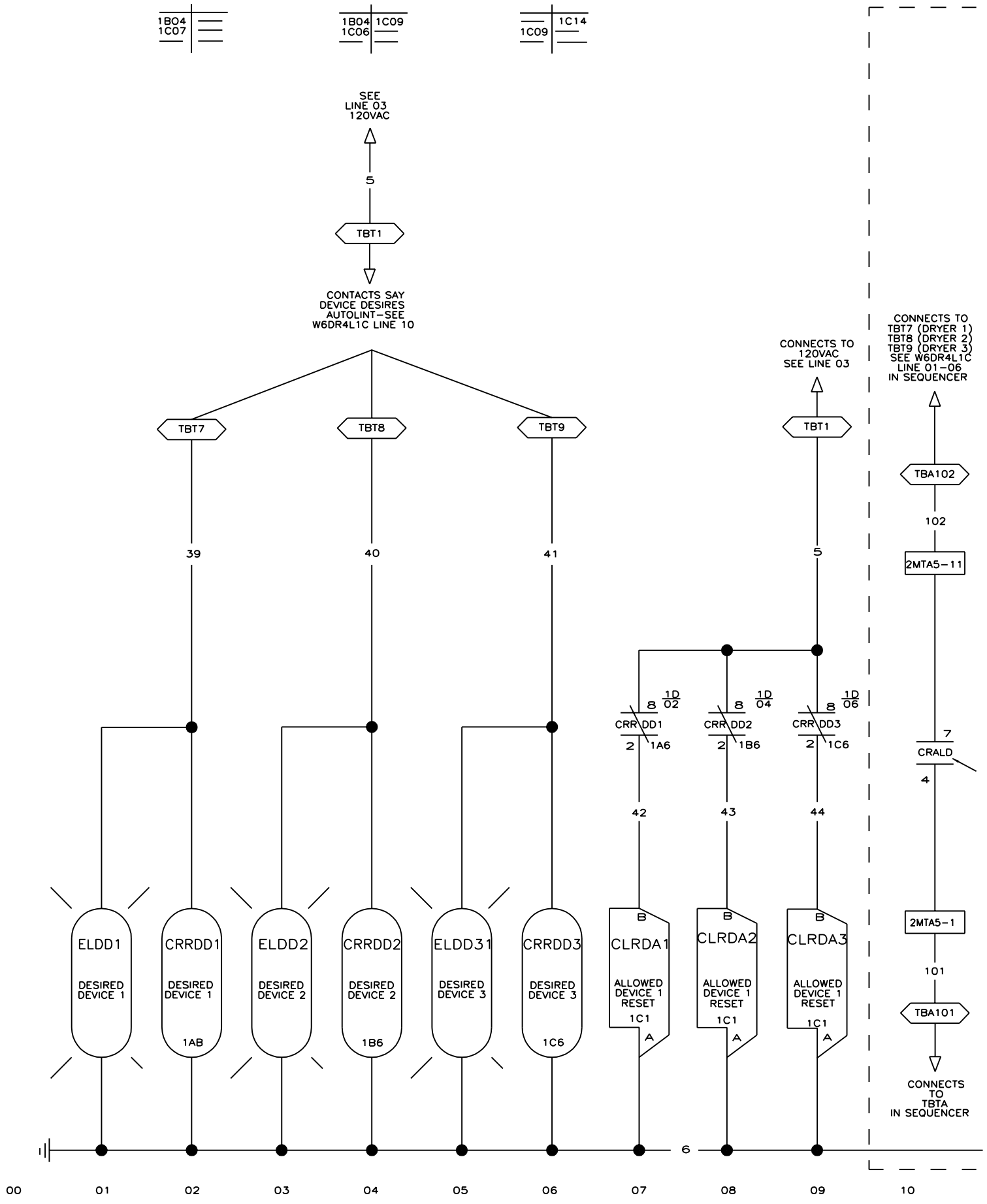
W6DR4L1B

MICRO 6 SYSTEMS MARK V CONTROLS

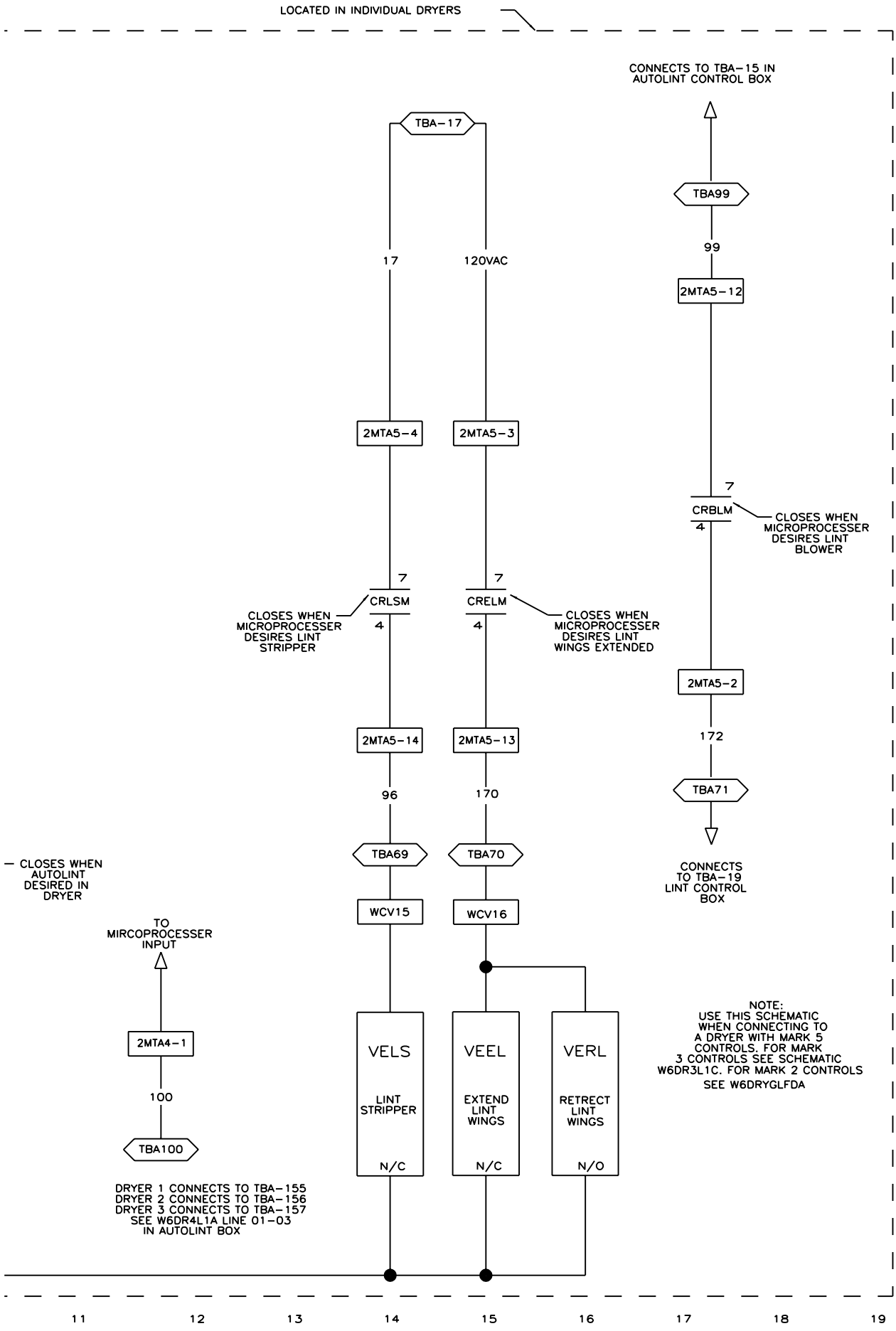
SCHEMATIC: DRY–VAC SIZE 1 LINT FILTER SEQUENCER

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION



W6DR4L1C
2002114B



W6DR4L1C

MICRO 6 SYSTEMS, MARK V CONTROLS

SCHEMATIC: DRY-VAC SIZE 1 SEQUENCER

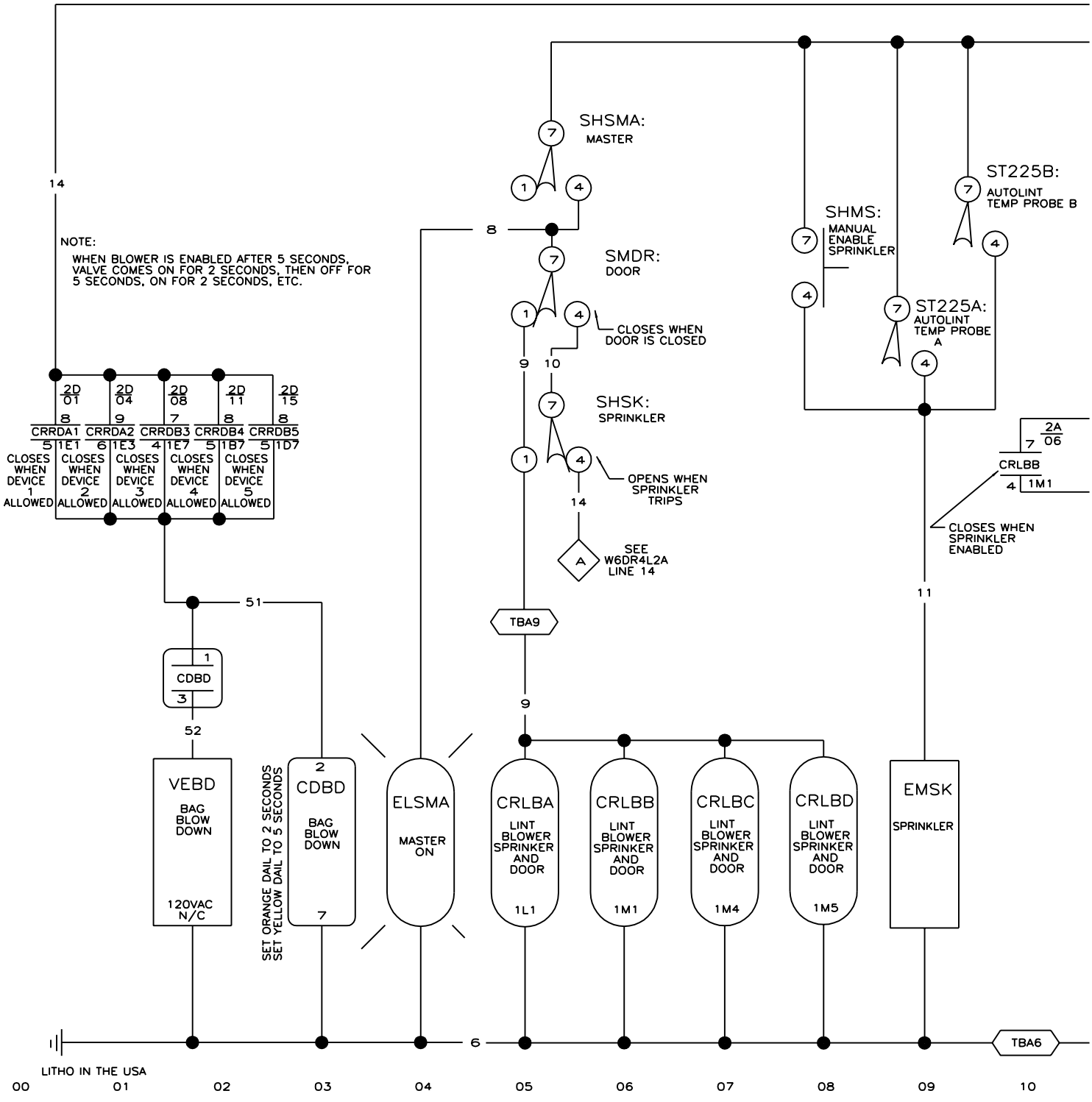
PELLERIN MILNOR CORPORATION

Section 2

Dryvac02 Schematics

NOTES
1. TBA IS LOCATED IN LINT FILTER BOX.
2. TBT IS LOCATED IN THE SEQUENECER BOX.
3. 2MTA5 & 2MTA6 ARE LOCATED ON BIO2 (8 OUTPUT-16 INPUT BOARD).

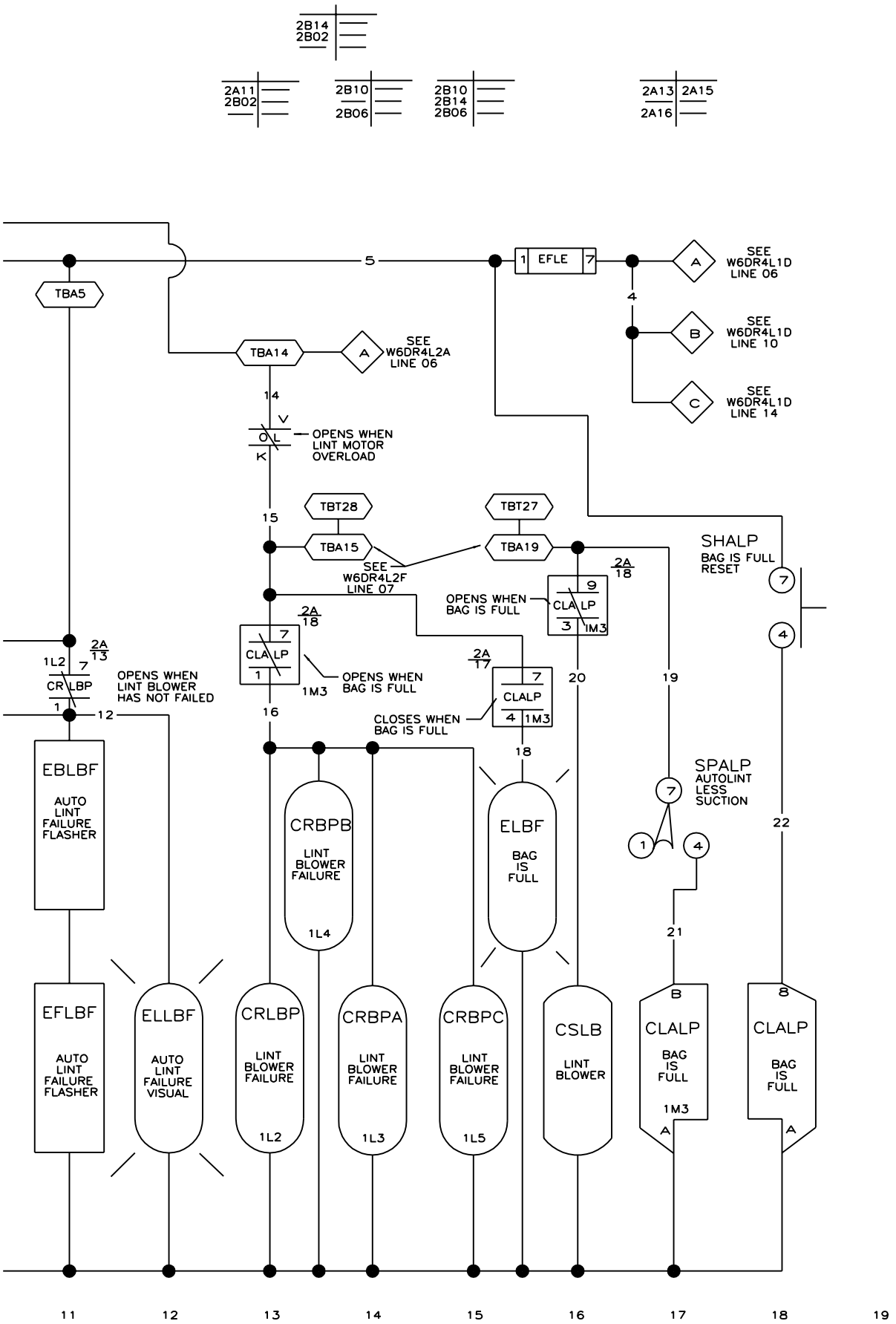
2B11 2B03 2B07 | 2A10 | 2B15 2B03 2B07 | 2B11 2B15

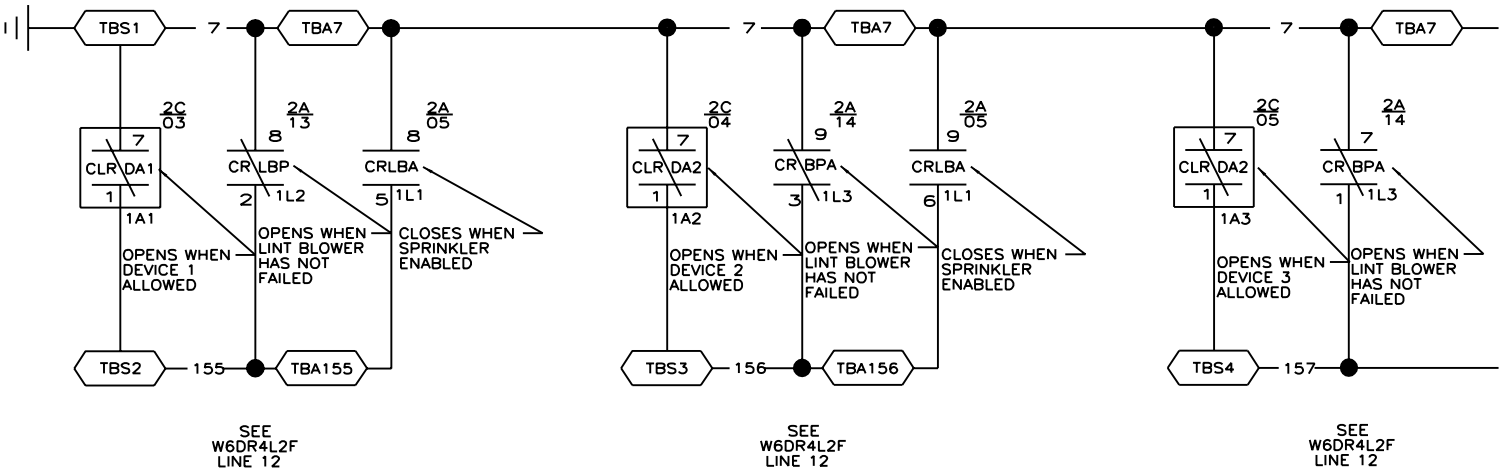


W6DR4L2A
2002114B

W6DR4L2A
MICRO 6 SYSTEMS MARK V CONTROLS
SCHEMATIC: DRY–VAC 2 LINT FILTER

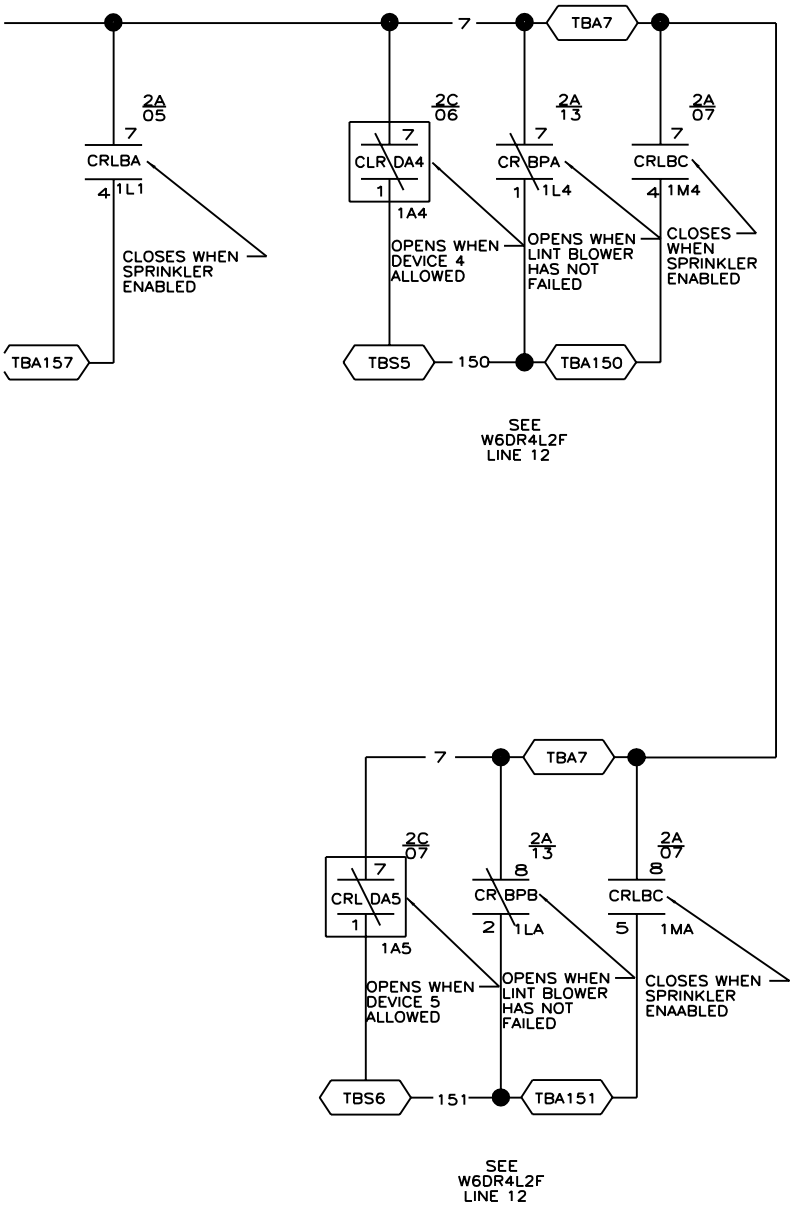
PELLERIN MILNOR CORPORATION





LITHO IN THE USA

00 01 02 03 04 05 06 07 08 09

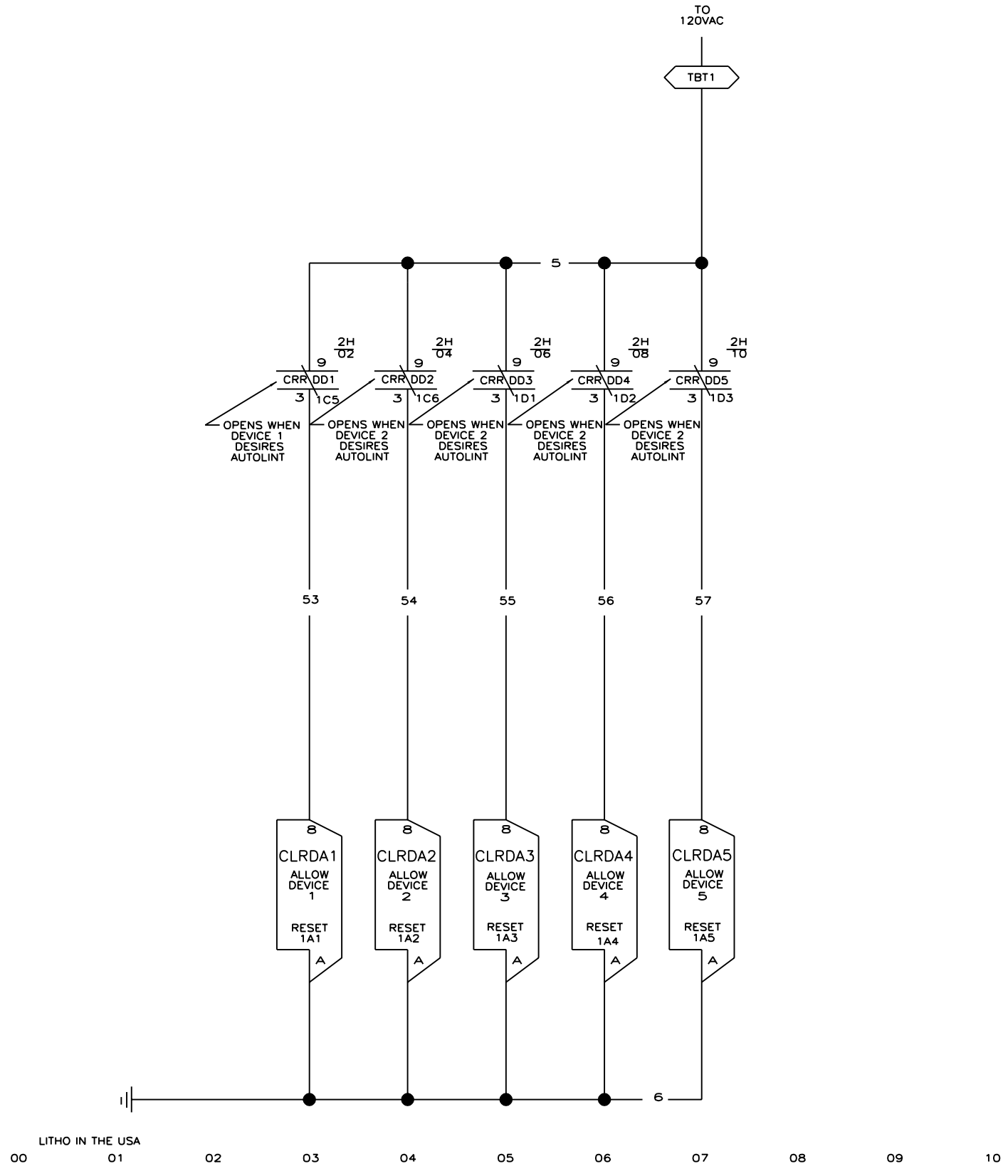


OPERATIONS OF AUTOLINT SEQUENCE

1. DRYER CLOSES CONTACT CRALD (LINE 12 OF W6DR4L2E) TO SAY DESIRE AUTOLINT.
2. IF IT'S INPUT IS NOT MADE FOR 5 SECONDS (LINE 12 OF W6DR4L2F) THE DRYER WILLGO INTO AUTOLINT. IF IT'S INPUT IS MADE IT WILL WAIT UNTIL IT IS ALLOWED.
3. WHEN ALLOWED THE DRYER WILL:
   A. EXTEND THE WINGS (LINE 05 OF W6DR4L2F)
   B. ENABLE THE LINT STRIPPER (LINE 04 OF W6DR4L2F).
   C. CLOSES A POTENTAIL FREE CONTACT TO ENABLE THE LINT BLOWER CONTACTOR (LINE 07 OF W6DR4L2F).
4. WHEN THE FRYER IS FINISHED DOING AUTOLINT, IT WILL DISABLE CRALD WHICH RESETS IT'S ALLOW CIRCUIT (LINE 03–10 W6DR4L2C) AND THEN ANOTHER DRYER CAN NOW DO AUTOLINT.
5. OPERATION OF PRESSURE SWITCH SPALP WHEN THE AUTOLINT BLOWER IS COMMANDED, IF THE PRESSURE SWITCH SEE'S A SUCTION WHICH SAYS THAT THE BAG IS FULL. LATCH RELAY CLALP WILL ENERGIZE WHICH DISABLES THE BLOWER, DISABLES THE DRYER, AND LOCKS IN THE FLASHING LIGHT. WHEN THE BAG IS EMPTIED, RESET BUTTON SHALP MUST BE RESET.

W6DR4L2B
MICRO 6 SYSTEMS MARK V COTNROLS
SCHEMATIC: DRY–VAC 2 LINT FILTER
PELLERIN MILNOR CORPORATION

10 11 12 13 14 15 16 17 18 19



W6DR4L2C
2002114B

W6DR4L2C

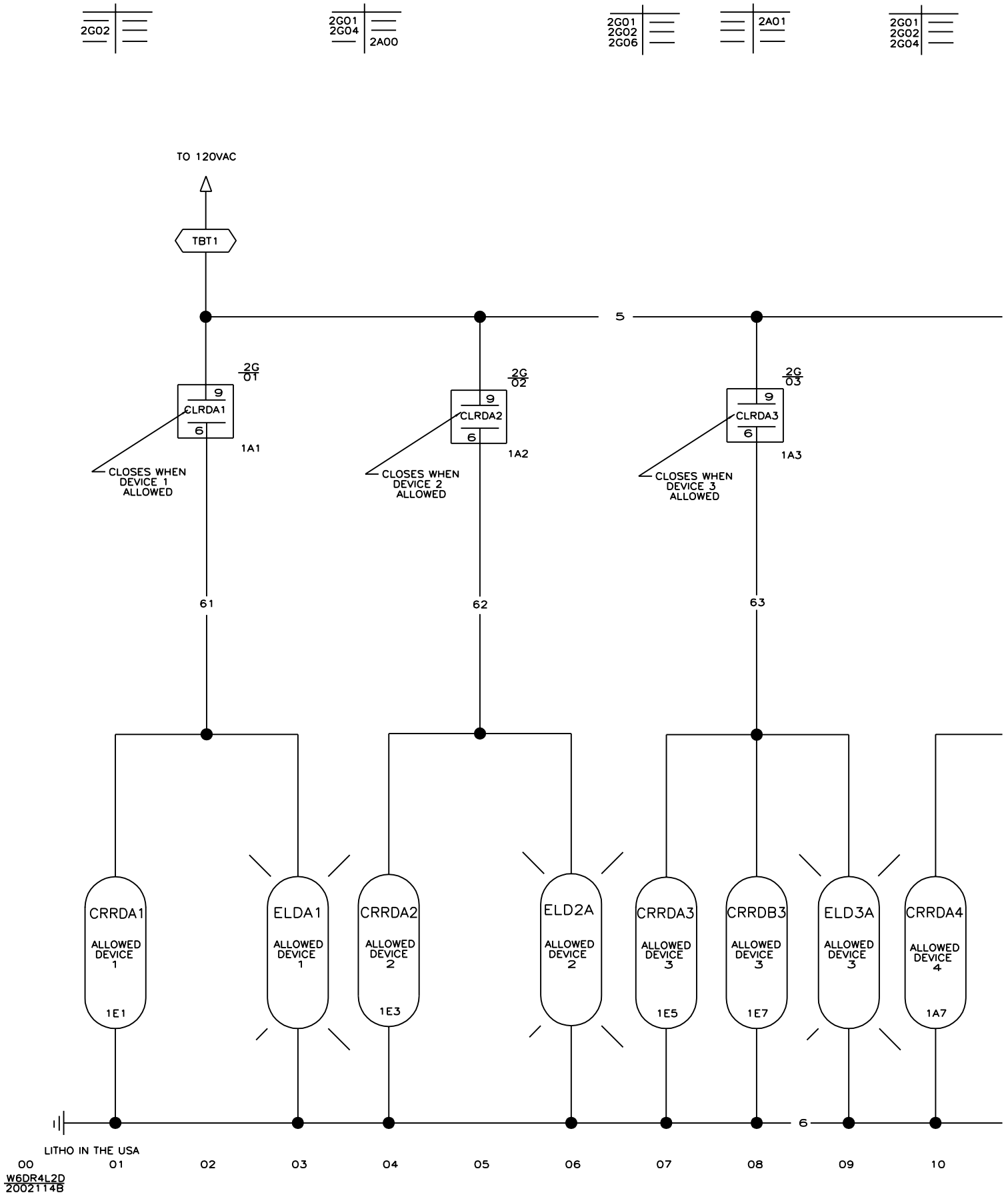
MICRO 6 SYSTEMS MARK V CONTROLS
SCHEMATIC: DRY–VAC 2 LINT FILTER SEQUENCER

110V1P50HZ/120V1P60HZ

PELLERIN MILNOR CORPORATION

W6DR4L2C
2002114B

W6DR4L2C
2002114B


2G02
2G01
2G04
2A00
2G01
2G02
2G06
2A01
2G01
2G02
2G04
TO 120VAC
TBT1
5
2G
01
9
CLRDA1
6
1A1
CLOSES WHEN
DEVICE 1
ALLOWED
2G
02
9
CLRDA2
6
1A2
CLOSES WHEN
DEVICE 2
ALLOWED
2G
03
9
CLRDA3
6
1A3
CLOSES WHEN
DEVICE 3
ALLOWED
61
62
63
CRRDA1
ALLOWED
DEVICE
1
1E1
ELDA1
ALLOWED
DEVICE
1
CRRDA2
ALLOWED
DEVICE
2
1E3
ELD2A
ALLOWED
DEVICE
2
CRRDA3
ALLOWED
DEVICE
3
1E5
CRRDB3
ALLOWED
DEVICE
3
1E7
ELD3A
ALLOWED
DEVICE
3
CRRDA4
ALLOWED
DEVICE
4
1A7
1
6
LITHO IN THE USA
00
01
02
03
04
05
06
07
08
09
10
W6DR4L2D
2002114B

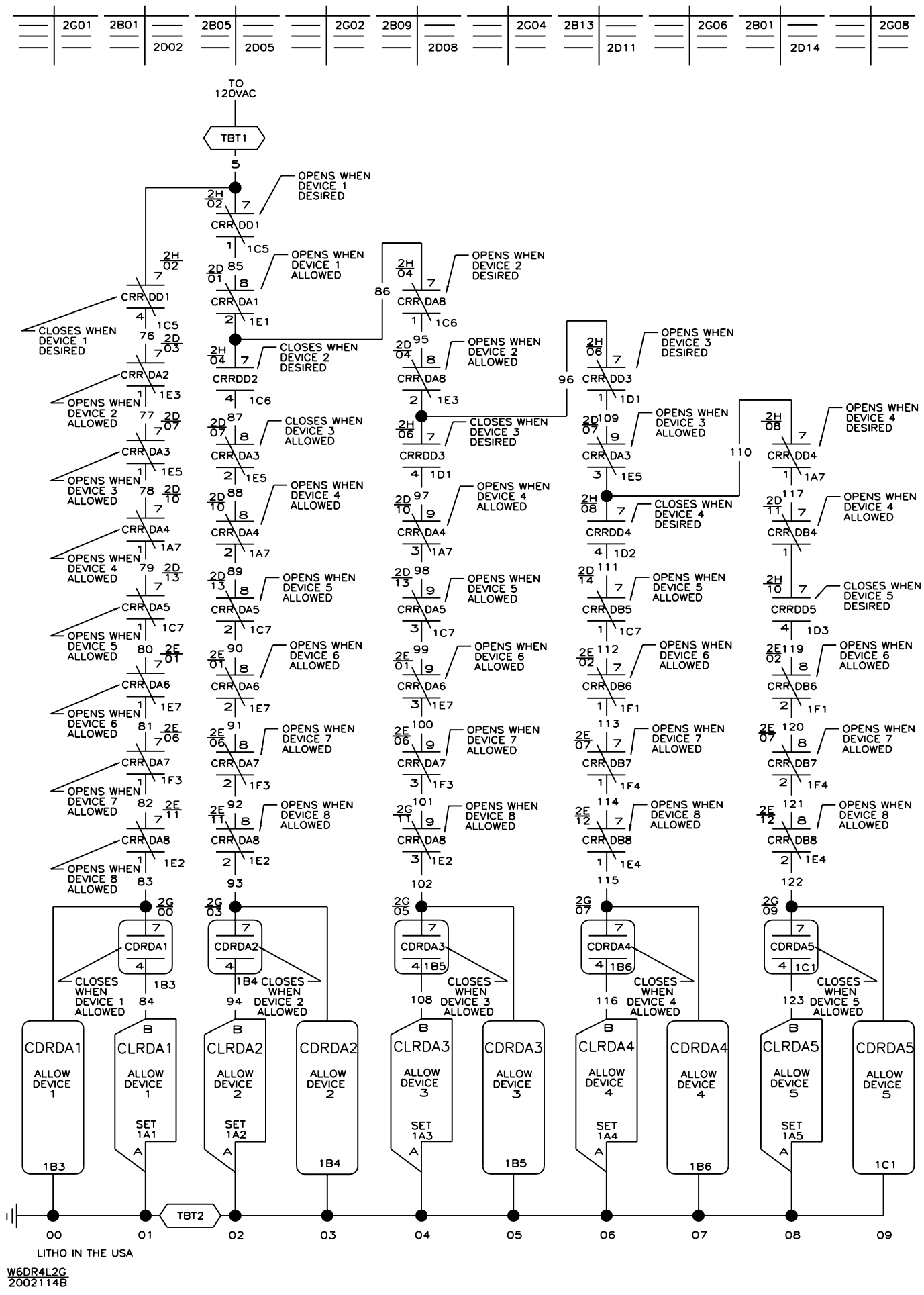
W6DR4L2D

MICRO 6 SYSTEMS MARK V CONTROLS

SCHEMATIC: DRY-VAC 2 LILNT FILTER SEQUENCER

1101P50HZ/1201P60HZ

PELLERIN MILNOR CORPORATION


2G01
2B01
2D02
2B05
2D05
2G02
2B09
2D08
2G04
2B13
2D11
2G06
2B01
2D14
2G08
TO 120VAC
TBT1
OPENS WHEN DEVICE 1 DESIRED
CRR DD1
OPENS WHEN DEVICE 1 ALLOWED
CRR DA1
CLOSES WHEN DEVICE 1 DESIRED
OPENS WHEN DEVICE 2 DESIRED
CRR DA8
OPENS WHEN DEVICE 2 ALLOWED
CLOSES WHEN DEVICE 2 DESIRED
CRRDD2
OPENS WHEN DEVICE 3 DESIRED
CRR DD3
OPENS WHEN DEVICE 3 ALLOWED
CLOSES WHEN DEVICE 3 ALLOWED
CRR DA3
CLOSES WHEN DEVICE 3 DESIRED
CRRDD3
OPENS WHEN DEVICE 4 DESIRED
CRR DD4
OPENS WHEN DEVICE 4 ALLOWED
CLOSES WHEN DEVICE 4 ALLOWED
CRR DA4
CLOSES WHEN DEVICE 4 DESIRED
CRRDD4
OPENS WHEN DEVICE 4 ALLOWED
CRR DB4
OPENS WHEN DEVICE 5 ALLOWED
CRR DA5
OPENS WHEN DEVICE 5 DESIRED
CRRDD5
OPENS WHEN DEVICE 5 ALLOWED
CRR DB5
OPENS WHEN DEVICE 6 ALLOWED
CRR DA6
OPENS WHEN DEVICE 6 ALLOWED
CRR DB6
OPENS WHEN DEVICE 7 ALLOWED
CRR DA7
OPENS WHEN DEVICE 7 ALLOWED
CRR DB7
OPENS WHEN DEVICE 8 ALLOWED
CRR DA8
OPENS WHEN DEVICE 8 ALLOWED
CRR DB8
CDRDA1
CDRDA2
CDRDA3
CDRDA4
CDRDA5
CLOSES WHEN DEVICE 1 ALLOWED
CLOSES WHEN DEVICE 2 ALLOWED
CLOSES WHEN DEVICE 3 ALLOWED
CLOSES WHEN DEVICE 4 ALLOWED
CLOSES WHEN DEVICE 5 ALLOWED
CDRDA1 ALLOW DEVICE 1 1B3
CLRDA1 ALLOW DEVICE 1 SET 1A1
CDRDA2 ALLOW DEVICE 2 1B4
CLRDA2 ALLOW DEVICE 2 SET 1A2
CDRDA3 ALLOW DEVICE 3 1B5
CLRDA3 ALLOW DEVICE 3 SET 1A3
CDRDA4 ALLOW DEVICE 4 1B6
CLRDA4 ALLOW DEVICE 4 SET 1A4
CDRDA5 ALLOW DEVICE 5 1C1
CLRDA5 ALLOW DEVICE 5 SET 1A5
TBT2
00 01 02 03 04 05 06 07 08 09
LITHO IN THE USA
W6DR4L2G
2002114B

W6DR4L2G
20021148

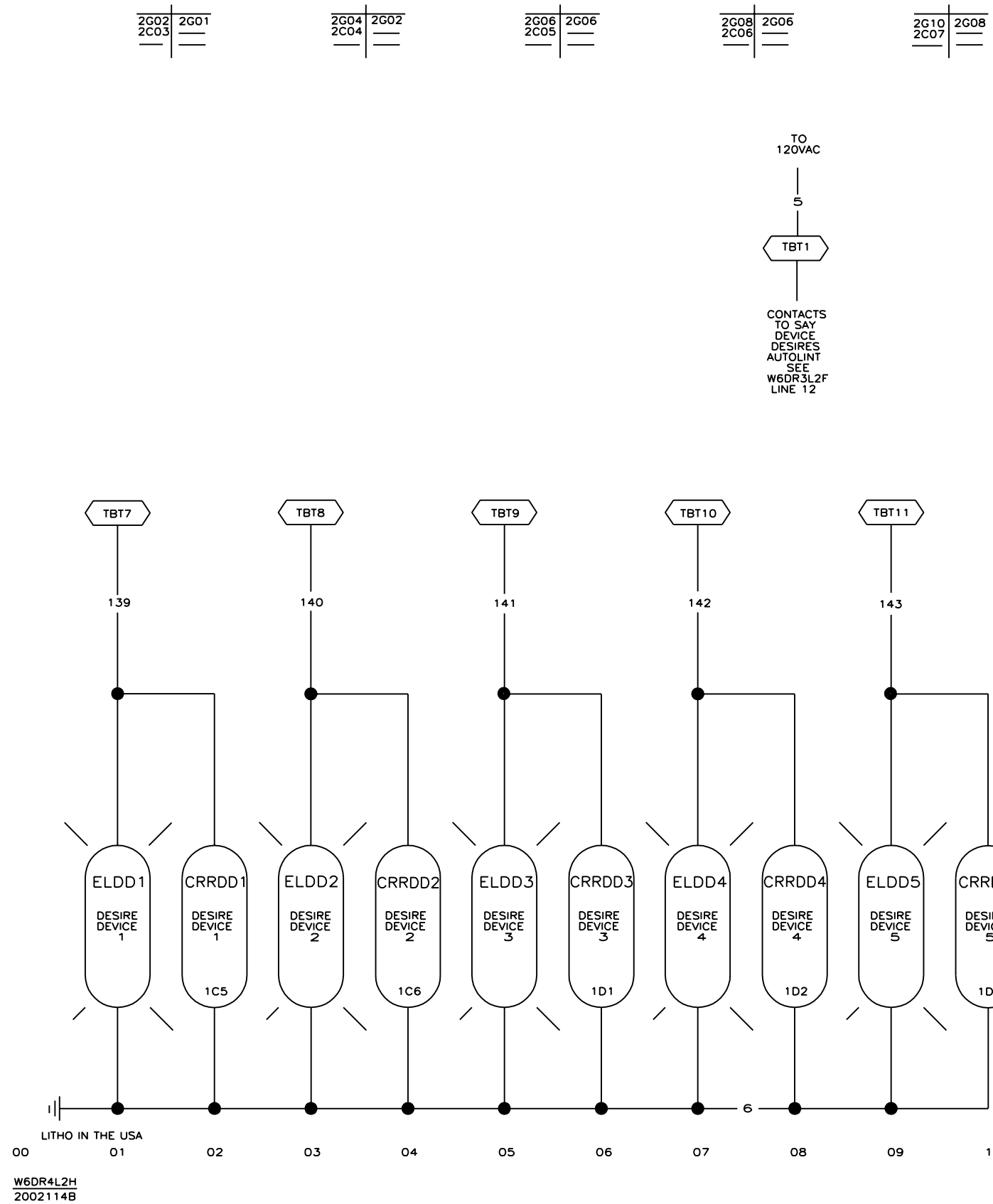
W6DR4L2G

MICRO 6 SYSTEMS MARK V CONTROLS
SCHEMATIC: DRY-VAC 2 LINT FILTER

PELLERIN MILNOR CORPORATION

10 11 12 13 14 15 16 17 18 19

W6DR4L2G
2002114B



W6DR4L2H
2002114B

11 12 13 14 15 16 17 18 19

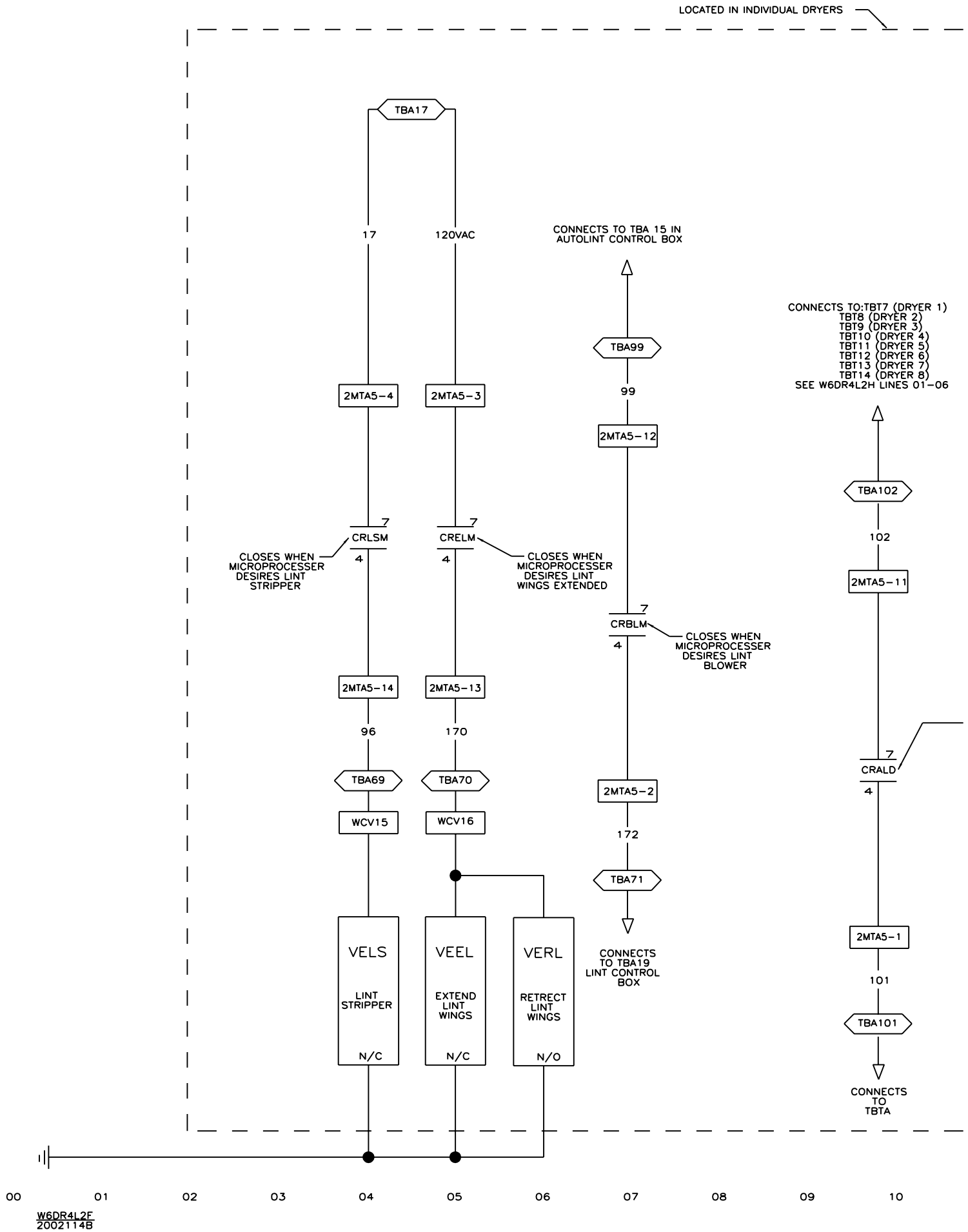
W6DR4L2H

MICRO 6 SYSTEMS MARK V CONTROLS
SCHEMATIC: DRY–VAC 2 LINT FILTER
1101P50HZ/1201P60HZ

PELLERIN MILNOR CORPORATION

W6DR4L2H
2002114B

W6DR4L2H
2002114B

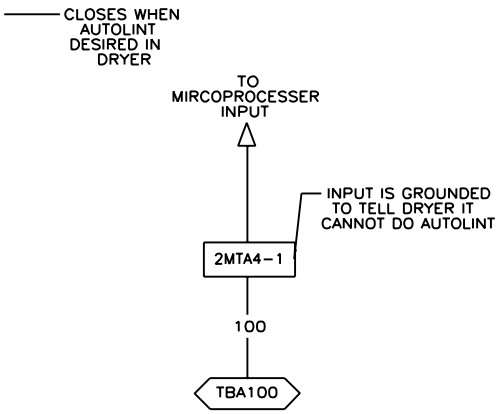


W6DR4L2F
2002114B

W6DR4L2F

MICRO 6 SYSTEMS MARK V CONTROLS
SCHEMATIC: DRY–VAC SIZE 2
LINT FILTER SEQUENCER

PELLERIN MILNOR CORPORATION



DRYER 1 CONNECTS TO TBA155
DRYER 2 CONNECTS TO TBA156
DRYER 3 CONNECTS TO TBA157
DRYER 4 CONNECTS TO TBA150
DRYER 5 CONNECTS TO TBA151
DRYER 6 CONNECTS TO TBA152
DRYER 7 CONNECTS TO TBA153
DRYER 8 CONNECTS TO TBA154
SEE W6DR4L2B LINES 01–15

NOTE:
USE THIS SCHEMATIC WHEN CONNECTING TO A DRYER WITH MARK 5 CONTROLS. FOR MARK 3 AND EARLIER USE SCHEMATIC W6DR3L2F

11 12 13 14 15 16 17 18 19