

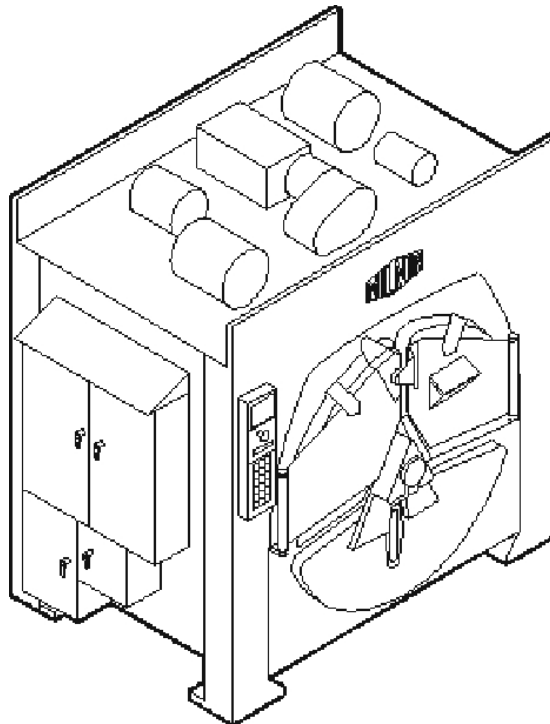
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**Read the  
separate  
safety  
manual  
before  
installing,  
operating,  
or servicing**

# Schematic/Electrical Parts— Divided Cylinder Washer-Extractors Serial Mark II Controls



# Please Read

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# COMPONENT PARTS LIST

W6WEDSPL/2004514N

| <u>COMPONENT<br/>NUMBER</u> | <u>FUNCTION OF<br/>THIS COMPONENT</u> | <u>WHERE TO FIND<br/>THIS COMPONENT</u> | <u>MILNOR P/N</u> | <u>DESCRIPTION</u>              | <u>LOCATION</u> |
|-----------------------------|---------------------------------------|-----------------------------------------|-------------------|---------------------------------|-----------------|
|                             | <b>&gt;&gt;CONTROL BOX LAYOUTS</b>    |                                         |                   |                                 |                 |
| 001                         | DETAIL-OUTPUT BOARD #2                | W6WEDSTAG                               | B2TAG86014        | M6 OPENPKT+DIV DYE 0/P#2        | SEE FUNCTION    |
| 002                         | DETAIL-INTERPRET RELAY BOX            | W6WEDSTAG                               | B2TAG90065        | TAG:M6 INTREPRET RELAY BOX      | SEE FUNCTION    |
| 003                         | DETAIL-DIVIDED CYL LOW BOLTAGE BX     | W6WEDSTAG                               | B2TAG86029        | M6 DIVCYL RIGHT CONTROL BX      | SEE FUNCTION    |
| 004                         | DETAIL-AUTOSPOT CONTROL BOX 2DIR      | W6WEDSTAG                               | B2TAG85013        | MIC 6 AUTOSPOT=2DIR DIVCYL      | SEE FUNCTION    |
| 005                         | DETAIL-HIGH VOLTAGE CONTROL BOX       | W6WEDSTAG                               | B2TAG84008        | MICRO 6 CONTROL PANEL LEFT      | SEE FUNCTION    |
| 006                         | DETAIL-PROCESSOR CONTROL BOX          | W6WEDSTAG                               | B2TAG98033        | TAG:8088PROCESSOR CNTL BOX      | SEE FUNCTION    |
| 007                         | DETAIL-AUTOSPOT CONTROL BOX 1DIR      | W6WEDSTAG                               | B2TAG85037        | MIC6 AUTOSPOT=1DIR DIVCYL       | SEE FUNCTION    |
| 008                         | DETAIL-OUTPUT BOARD #1                | W6WEDSTAG                               | B2TAG86013        | M6 OPENPKT,DIV,STAPH 0/P#1      | SEE FUNCTION    |
| 009                         | DETAIL-D/A BOARD                      | W6WEDSTAG                               | B2TAG86025        | M6 D TO A BOARD CONT BOX        | SEE FUNCTION    |
| 010                         | DETAIL-I/O BOARD #1                   | W6WEDSTAG                               | B2TAG86015        | M6 OPENPKT,DIV,STAPH I/O#1      | SEE FUNCTION    |
| BA                          | <b>&gt;&gt;PRINTED CIRCUIT BOARDS</b> |                                         |                   |                                 |                 |
| BAD-1                       | BOARD-ANALOG TO DIGITAL CONVERTER     | W6WEDSBWC                               | 08BSADDBT         | BOARD:W/E+DYE SERIAL ATO D TEST | LOW VOLT BOX    |
| BAD-1                       | BOARD-ANALOG TO DIGITAL CONVERTER     | W6WEDSEC                                | 08BSADDBT         | BOARD:W/E+DYE SERIAL ATO D TEST | LOW VOLT BOX    |
| BBB-1                       | BOARD-MEMORY BATTERY BACKUP           | W6WEDSBWC                               | 08BSBB1T          | BOARD: SER BATT BACKUP-TEST     | PROCESSOR BX    |
| BDA-1                       | BOARD-DIGITAL TO ANALOG CONVERTOR     | W6WEDSBWC                               | 08BSBADT          | BOARD:SERIAL D TO A-TEST        | LOW VOLT BOX    |
| BFS-1                       | BOARD-FLOW SENSOR SIGNAL COND. BD.    | W6WEDSFS                                | 08BNDFS           | FLOW SENSOR SIG COND>TESTED     | LOW VOLT BOX    |
| BIO-1                       | BOARD-8OUTPUT/16INPUT #1              | W6WEDSBWC                               | 08BS816BT         | BOARD:SERIAL 8OUT-16IN-TEST     | LOW VOLT BOX    |
| BIO-3                       | BOARD-8OUTPUT/16INPUT #3 20 OUTPUTS   | W6WEDSOP                                | 08BS816BT         | BOARD:SERIAL 8OUT-16IN-TEST     | LOW VOLT BOX    |
| BLB                         | BOARD-LEVEL TRANSDUCER+RECEIVER       | W6WEDSEC                                | 08BNLRIT          | E-LVL +PRM INTERF 0-2.5V>TST    | LOW VOLT BOX    |
| BO16-1                      | BOARD-16 OUTPUT #1                    | W6WEDSBWC                               | 08BSQ16BT         | BOARD:SERIAL 16 OUTPUT-TEST     | LOW VOLT BOX    |
| BO16-2                      | BOARD-16 OUTPUT #2                    | W6WEDSBWC                               | 08BSQ16BT         | BOARD:SERIAL 16 OUTPUT-TEST     | LOW VOLT BOX    |
| BO16-4                      | BOARD 16 OUTPUT #4 20 OUTPUTS         | W6WEDSOP                                | 08BSQ16BT         | BOARD:SERIAL 16 OUTPUT-TEST     | LOW VOLT BOX    |
| BPB                         | BOARD-MICROPROCESSOR                  | W6WEDSBWC                               | 08BSPDT           | 8088 PROCESSOR -> TESTED        | PROCESSOR BX    |
| BTP-1                       | BOARD-TEMP PROBE INTERFACE-2CHANL     | W6WEDSBWC                               | 08BNTPT           | BD-THERMISTOR 2 CHAN->TESTED    | LOW VOLT BOX    |
| CD                          | <b>&gt;&gt;RELAY-TIME DELAY</b>       |                                         |                   |                                 |                 |
| CDEXN                       | DELAY-EXTRACT HAS ENDED               | W6WEDSSPB                               | 09CF002037        | TDR F2S 2PDT 11PIN 120V60/50C   | LOW VOLT BOX    |
| CDS+N                       | DELAY-3-WIRE DISABLE                  | W6WEDSSPB                               | 09CF007537        | TDR F7.5S 2PDT 11PIN 120V60C    | LOW VOLT BOX    |
| CDVS                        | DELAY-VARIABLE SPEED FAULT            | W6WEDSVPB                               | 09CF007537        | TDR F7.5S 2PDT 11PIN 120V60C    | VARI SPD BOX    |
| CDWA                        | DELAY-CCW WASH                        | W6WEDSVPB                               | 09CF001037        | TDR F1S 2PDT 11PIN 120V60C      | VARI SPD BOX    |
| CDWC                        | DELAY-CW-WASH                         | W6WEDSVPB                               | 09CF001037        | TDR F1S 2PDT 11PIN 120V60C      | VARI SPD BOX    |
| CR                          | <b>&gt;&gt;RELAY-PILOT OR CONTROL</b> |                                         |                   |                                 |                 |
| CRASA                       | RELAY-AUTOSPOT ENABLED BEFORE 11/03   | W6WEDSASB                               | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |

# COMPONENT PARTS LIST

W6WEDSPL/2004514N

| <u>COMPONENT</u> | <u>FUNCTION OF</u>                   | <u>WHERE TO FIND</u>  | <u>MILNOR PIN</u> | <u>DESCRIPTION</u>              | <u>LOCATION</u> |
|------------------|--------------------------------------|-----------------------|-------------------|---------------------------------|-----------------|
| <u>NUMBER</u>    | <u>THIS COMPONENT</u>                | <u>THIS COMPONENT</u> |                   |                                 |                 |
| CRASA            | RELAY-AUTOSPOT ENABLED AFTER 11/03   | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASB            | RELAY-ENABLE RECOGNIZE SLOW <11/03   | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASB            | RELAY-ENABLE RECOGNIZE SLOW>11/03    | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASH            | RELAY-AUTOSPOT DESIRED SLAVE <11/03  | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASH            | RELAY-AUTOSPOT DESIRED SLAVE>11/03   | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASI            | RELAY-AUTOSPOT DESIRED BEFORE 11/03  | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASI            | RELAY-AUTOSPOT DESIRED AFTER 11/03   | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASJ            | RELAY-INCH NOT AUTOSPOT BEFORE 11/03 | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASJ            | RELAY-INCH NOT AUTOSPOT AFTER 11/03  | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASK            | RELAY-AUTOSPOT JOG DESIRED<11/03     | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASK            | RELAY-AUTOSPOT JOG DESIRED>11/03     | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASL            | RELAY-A-SPOT RECOGNIZE SLOW<11/03    | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASL            | RELAY-A-SPOT RECOGNIZE SLOW>11/03    | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASM            | RELAY-A-SPOT RECOGNIZE SLOW<11/03    | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASM            | RELAY-A-SPOT RECOGNIZE SLOW>11/03    | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRASS            | RELAY-AUTOSPOT STOP BEFORE 11/2003   | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRASS            | RELAY-AUTOSPOT STOP AFTER 11/2003    | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRAST            | RELAY-AUTOSPOT STOP BEFORE 11/2003   | W6WEDSASB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRAST            | RELAY-AUTOSPOT STOP AFTER 11/2003    | W6WEDSASB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRC01            | RELAY-CHEM INTERPERT #1 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC01            | RELAY-CHEM INTERPERT #1 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC02            | RELAY-CHEM INTERPERT #2 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC02            | RELAY-CHEM INTERPERT #2 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC03            | RELAY-CHEM INTERPERT #3 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC03            | RELAY-CHEM INTERPERT #3 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC04            | RELAY-CHEM INTERPERT #4 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC04            | RELAY-CHEM INTERPERT #4 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC05            | RELAY-CHEM INTERPERT #5 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC05            | RELAY-CHEM INTERPERT #5 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC06            | RELAY-CHEM INTERPERT #6 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC06            | RELAY-CHEM INTERPERT #6 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC07            | RELAY-CHEM INTERPERT #7 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC07            | RELAY-CHEM INTERPERT #7 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |

# COMPONENT PARTS LIST

| <u>COMPONENT</u> | <u>FUNCTION OF</u>                    | <u>WHERE TO FIND</u>  | <u>MILNOR P/N</u> | <u>DESCRIPTION</u>              | <u>LOCATION</u> |
|------------------|---------------------------------------|-----------------------|-------------------|---------------------------------|-----------------|
| <u>NUMBER</u>    | <u>THIS COMPONENT</u>                 | <u>THIS COMPONENT</u> |                   |                                 |                 |
| CRC08            | RELAY-CHEM INTERPERT #8 BEFORE 11/03  | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC08            | RELAY-CHEM INTERPERT #8 AFTER 11/03   | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC09            | RELAY-CHEM INTERPERT #9 BEFORE 11/03  | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC09            | RELAY-CHEM INTERPERT #9 AFTER 11/03   | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC10            | RELAY-CHEM INTERPERT #10 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC10            | RELAY-CHEM INTERPERT #10 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC11            | RELAY-CHEM INTERPERT #11 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC11            | RELAY-CHEM INTERPERT #11 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC12            | RELAY-CHEM INTERPERT #12 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC12            | RELAY-CHEM INTERPERT #12 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC13            | RELAY-CHEM INTERPERT #13 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC13            | RELAY-CHEM INTERPERT #13 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC14            | RELAY-CHEM INTERPERT #14 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC14            | RELAY-CHEM INTERPERT #14 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRC15            | RELAY-CHEM INTERPERT #15 BEFORE 11/03 | W6WEDSCPA             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | INT RELAY BX    |
| CRC15            | RELAY-CHEM INTERPERT #15 AFTER 11/03  | W6WEDSCPA             | 09C024D37         | 4PDT "KH" 110/120V              | INT RELAY BX    |
| CRDL             | RELAY-OPEN DOOR BEFORE 11/2003        | W6WEDSS+B             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | LOW VOLT BOX    |
| CRDL             | RELAY-OPEN DOOR AFTER 11/2003         | W6WEDSS+B             | 09C024D37         | 4PDT "KH" 110/120V              | LOW VOLT BOX    |
| CREXA            | RELAY-AMPSAVER AMPS O.K. BEFORE 11/03 | W6WEDSEAB             | 09C01DDDD24       | RELAY 3PDT DIFGOLD 11PIN 24V    | LOW VOLT BOX    |
| CREXA            | RELAY-AMPSAVER AMPS O.K. AFTER 11/03  | W6WEDSEAB             | 09C024D37         | 4PDT "KH" 110/120V              | LOW VOLT BOX    |
| CRPLA            | RELAY-DOOR LATCH BEFORE 11/2003       | W6WEDSSPB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | AUTOSPOT BOX    |
| CRPLA            | RELAY-DOOR LATCH AFTER 11/2003        | W6WEDSSPB             | 09C024D37         | 4PDT "KH" 110/120V              | AUTOSPOT BOX    |
| CRPLB            | RELAY-DOOR IS CLOSED BEFORE 11/2003   | W6WEDSSPB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | LOW VOLT BOX    |
| CRPLB            | RELAY-DOOR IS CLOSED AFTER 11/2003    | W6WEDSSPB             | 09C024D37         | 4PDT "KH" 110/120V              | LOW VOLT BOX    |
| CRS+             | RELAY-START 3-WIRE BEFORE 11/2003     | W6WEDSS+B             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | LOW VOLT BOX    |
| CRS+             | RELAY-START 3-WIRE AFTER 11/2003      | W6WEDSS+B             | 09C024D37         | 4PDT "KH" 110/120V              | LOW VOLT BOX    |
| CRS+S            | RELAY-START 3-WIRE BEFORE 11/2003     | W6WEDSS+B             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | HIGH VOLT BX    |
| CRS+S            | RELAY-START 3-WIRE AFTER 11/2003      | W6WEDSS+B             | 09C024D37         | 4PDT "KH" 110/120V              | HIGH VOLT BX    |
| CRSG             | RELAY-SIGNAL BEFORE 11/2003           | W6WEDSS+B             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | LOW VOLT BOX    |
| CRSG             | RELAY-SIGNAL AFTER 11/2003            | W6WEDSS+B             | 09C024D37         | 4PDT "KH" 110/120V              | LOW VOLT BOX    |
| CRSP             | RELAY-SPEED IS SLOW BEFORE 11/2003    | W6WEDSSPB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | LOW VOLT BOX    |
| CRSP             | RELAY-SPEED IS SLOW AFTER 11/2003     | W6WEDSSPB             | 09C024D37         | 4PDT "KH" 110/120V              | LOW VOLT BOX    |
| CRSPA            | RELAY-SPEED IS SLOW BEFORE 11/2003    | W6WEDSSPB             | 09C01DDDD37       | RELAY 3PDT DIFGOLD 11PIN 120VAC | LOW VOLT BOX    |

# COMPONENT PARTS LIST

W6WEDSPL/2004514N

| <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> |                    |                                     |                 |
| CRSPA            | RELAY-SPEED IS SLOW AFTER 11/2003    | W6WEDSSPB             | 09C024D37          | 4PDT "KH" 110/120V                  | LOW VOLT BOX    |
| CRSS             | RELAY-START BEFORE 11/2003           | W6WEDSS+B             | 09C01DDDD37        | RELAY 3PDT DIFGOLD 11PIN 120VAC     | LOW VOLT BOX    |
| CRSS             | RELAY-START AFTER 1120/03            | W6WEDSS+B             | 09C024D37          | 4PDT "KH" 110/120V                  | LOW VOLT BOX    |
| CS               | >>CONTACTOR-MOTOR STARTER            |                       |                    |                                     |                 |
| CSDR             | CONTACTOR-DRAIN MOTOR                | W6WEDSMCB             | MESSAGE EW         | SEE CSDR-1,-2 OR -3 FOR PART NUMBER | HIGH VOLT BX    |
| CSDR-1           | CONTACTOR-DRAIN MTR 4231WP2.&SP3     | W6WEDSMCB             | 09MC04C337         | 18A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSDR-2           | CONTACTOR-DRAIN MTR 4244 & 6044      | W6WEDSMCB             | 09MC04D337         | 25A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSDR-3           | CONTACTOR-DRAIN MTR 7244WP2 &WP3     | W6WEDSMCB             | 09MC04E337         | 32A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSE1             | CONTACTOR-LO EXTRACT                 | W6WEDSMCB             | MESSAGE EW         | SEE CSE1-1,-2 OR -3 FOR PART NUMBER | HIGH VOLT BX    |
| CSE1-1           | CONTACTOR-LO EXT.MTR4231 & 4244      | W6WEDSMCB             | 09MC04C337         | 18A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSE1-2           | CONTACTOR-LO EXT.MTR 6044 WP2/3      | W6WEDSMCB             | 09MC04G337         | 37A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSE1-3           | CONTACTOR-LO EXT.MTR 7244 WP2/3      | W6WEDSMCB             | 09MC04L337         | 60A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSE2             | CONTACTOR-HI EXTRACT                 | W6WEDSMCB             | MESSAGE EW         | SEE CSE2-1-2 OR-3 FOR PART NUMBER   | HIGH VOLT BX    |
| CSE2-1           | CONTACTOR-HI EXT.MTR 4231WP2 &WP3    | W6WEDSMCB             | 09MC04D337         | 25A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSE2-2           | CONTACTOR-HI EXT.MTR 4244WP2 &WP3    | W6WEDSMCB             | 09MC04E337         | 32A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSE2-3           | CONTACTOR-HI EXT.MTR 6044 & 7244     | W6WEDSMCB             | 09MC04L337         | 60A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSJ              | CONTACTOR-AUTOSPOT-1DIRECTION        | W6WEDSMCB             | 09MC04B337         | 12A 3P CONT.NR 120V5/6 IEC          | AUTOSPOT BOX    |
| CSJA             | CONTACTOR-AUTOSPOT                   | W6WEDSMCB             | MESSAGE EW         | SEE CSJC FOR PART NUMBER            | AUTOSPOT BOX    |
| CSJC             | CONTACTOR-AUTOSPOT 2DIRECTION        | W6WEDSMCB             | 09MR04B337         | 12A 3P REV+2N/C 120V5/6 IEC         | AUTOSPOT BOX    |
| CSVS             | CONTACTOR-VARIABLE SPEED             | W6WEDSVPB             | MESSAGE EW         | SEE CSVS-1-2 OR-3 FOR PART NUMBER   | HIGH VOLT BX    |
| CSVS-1           | CONTACTOR-VARI SPD 4231 & 4244       | W6WEDSVPB             | 09MC04C337         | 18A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSVS-2           | CONTACTOR-VARI SPD 6044WP2/3         | W6WEDSVPB             | 09MC04G337         | 37A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSVS-3           | CONTACTOR-VARI SPD 7244WP2/3         | W6WEDSVPB             | 09MC04J337         | 44A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSWA             | CONTACTOR-REVERSING WASH CCW         | W6WEDSMCB             | MESSAGE EW         | SEE CSWC-1-2 OR-3 FOR PART NUMBER   | HIGH VOLT BX    |
| CSWC             | CONTACTOR-REVERSING WASH CW          | W6WEDSMCB             | MESSAGE EW         | SEE CSWC-1-2 OR-3 FOR PART NUMBER   | HIGH VOLT BX    |
| CSWC-1           | CONTACTOR-WASH MTR 4231&4244WP2/3    | W6WEDSMCB             | 09MR04C337         | 18A 3P REV+2N/C 120V5/6 IEC         | HIGH VOLT BX    |
| CSWC-2           | CONTACTOR-WASH MTR 6044WP2/3         | W6WEDSMCB             | 09MR04G337         | 38A 3P REV+2N/C 120V5/6 IEC         | HIGH VOLT BX    |
| CSWC-3           | CONTACTOR-WASH MTR 7244WP2/3         | W6WEDSMCB             | 09MR04J337         | 44A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |
| CSW2L            | CONTACTOR-2 SPD WASH LOW             | W6WEDSMCB             | MESSAGE EW         | SEE CSW2N1, 2 OR 3 FOR PART NUMBER  | HIGH VOLT BX    |
| CSW2N            | CONTACTOR-2 SPD WASH NORMAL          | W6WEDSMCB             | MESSAGE EW         | SEE CSW2N1, 2 OR 3 FOR PART NUMBER  | HIGH VOLT BX    |
| CSW2N1           | CONTACTOR-LO SPD WASH 4231&4244WP2/3 | W6WEDSMCB             | 09MR04C337         | 18A 3P REV+2N/C 120V5/6 IEC         | HIGH VOLT BX    |
| CSW2N2           | CONTACTOR-LO SPD WASH 6044WP2/3      | W6WEDSMCB             | 09MR04G337         | 38A 3P REV+2N/C 120V5/6 IEC         | HIGH VOLT BX    |
| CSW2N3           | CONTACTOR-LO SPD WASH 7244WP2/3      | W6WEDSMCB             | 09MR04J337         | 44A 3P CONT.NR 120V5/6 IEC          | HIGH VOLT BX    |

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W6WEDSPL/2004514N

| <u>COMPONENT<br/>NUMBER</u> | <u>FUNCTION OF<br/>THIS COMPONENT</u> | <u>WHERE TO FIND<br/>THIS COMPONENT</u> | <u>MILNOR P/N</u> | <u>DESCRIPTION</u>                    | <u>LOCATION</u> |
|-----------------------------|---------------------------------------|-----------------------------------------|-------------------|---------------------------------------|-----------------|
| EB                          | >>BUZZER OR AUDIBLE SIGNAL            |                                         |                   |                                       |                 |
| EBSG                        | BUZZER-SIGNAL AUDIBLE                 | W6WEDSS+B                               | 09H015            | BUZZER 115V W/6-32 CRT+6" LEADS       | SWITCH PANEL    |
| ED                          | >>DISPLAY-ELECTRONIC                  |                                         |                   |                                       |                 |
| EDM                         | DISPLAY-MICROPROCESSOR                | W6WEDSDS                                | 08BSEVFD1T        | BD VFD DISPLAY BUF->TESTED            | SWITCH PANEL    |
| EDP                         | >>PRINTER-ELECTRONIC                  |                                         |                   |                                       |                 |
| EDPM                        | PRINTER-MICROPROCESSOR                | W6WEDSPIA                               | 08MPSEREPN        | PRINTER - EPSON LX300                 | REMOTE MOUNT    |
| EF                          | >>FUSE OR FUSE HOLDER                 |                                         |                   |                                       |                 |
| EF1                         | FUSE-PRIMARY INCOMING VOLTAGE         | W6WEDSPSB                               | 09FF005AWN        | BUSE BUSS KTK 5AMP 600V=HPS HOLDER    | HIGH VOLT BX    |
| EF2                         | FUSE-PRIMARY INCOMING VOLTAGE         | W6WEDSPSB                               | 09FF005AWN        | BUSE BUSS KTK 5AMP 600V=HPS HOLDER    | HIGH VOLT BX    |
| EF1                         | FUSE-WASH MOTOR                       | W6WEDSMTA                               | MESSAGE SN        | SEE SPECIFIC MACHINE + NAMEPLATE      | HIGH VOLT BX    |
| EF16X                       | FUSE-AUTOSPOT CLUTCH X-BUS            | W6WEDSMCB                               | 09FF002AMG        | FUSE BK/MDX 2 AMP 250V BUSS           | AUTOSPOT BOX    |
| EF16Y                       | FUSE-AUTOSPOT CLUTCH Y-BUS            | W6WEDSMCB                               | 09FF002AMG        | FUSE BK/MDX 2 AMP 250V BUSS           | AUTOSPOT BOX    |
| EF2                         | FUSE-LO EXTRACT MOTOR                 | W6WEDSMTA                               | MESSAGE SN        | SEE SPECIFIC MACHINE + NAMEPLATE      | HIGH VOLT BX    |
| EF3                         | FUSE-DRAIN MOTOR                      | W6WEDSMTA                               | MESSAGE SN        | SEE SPECIFIC MACHINE + NAMEPLATE      | HIGH VOLT BX    |
| EF37                        | FUSE-120VAC CONTROL CIRCUIT           | W6WEDSPSB                               | 09FF006AMA        | FUSE BK/ABC 6 AMP 250V BUSS           | HIGH VOLT BX    |
| EF4                         | FUSE-DRAIN MOTOR                      | W6WEDSMTA                               | MESSAGE SN        | SEE SPECIFIC MACHINE + NAMEPLATE      | HIGH VOLT BX    |
| EL                          | >>LIGHT-PILOT OR INDICATOR            |                                         |                   |                                       |                 |
| ELASI                       | LIGHT-AUTOSPOT STOP                   | W6WEDSASB                               | 09J060A37         | LAMP 1/2" AMB 125V IDI 1050QC3        | SWITCH PANEL    |
| ELFSG                       | LIGHT-ROTATING BEACON                 | W6WEDSS+B                               | 09H025V37         | BEACON ROTARY 5.5"DIA AMBER           | TOP OF MACHINE  |
| ELSG                        | LIGHT-SIGNAL VISUAL                   | W6WEDSS+B                               | 09J060WH37        | LAMP 1/2" WH 120 TAB IDI1050QC4       | SWITCH PANEL    |
| ELSG                        | LIGHT-SPRAY DOWN                      | W6WEDSS+B                               | 09J060G37         | LAMP 1/2" GRN 120V IDI 1050QC3        | SWITCH PANEL    |
| EM                          | >>ELECTROMAGNET AND SOLENOID          |                                         |                   |                                       |                 |
| EMAS                        | CLUTCH-AUTOSPOT                       | W6WEDSMCB                               | 54H164A           | CLUTCH 12VDC MAPM02                   | DRIVE BASE      |
| EMCF                        | FAN-INVERTER COOLING                  | W6WEDSVPB                               | 13AF100A37        | FAN 92CFM115V60 NEWARK #90F6921       | VARI SPD BOX    |
| ES                          | >>POWER SUPPLY-ELECTRONIC             |                                         |                   |                                       |                 |
| ESPS                        | POWER SUPPLY-120V TO +12,-12,+5V      | W6WEDSBWC                               | 08PSS3401T        | 30 WATT POWER SUPPLY TESTED           | LOW VOLT BOX    |
| ET                          | >>THERMAL OVERLOAD DEVICES            |                                         |                   |                                       |                 |
| ETDB                        | OVERLOAD-DYNAMIC BRAKE                | W6WEDSVPB                               | 09F024A           | OL RELAY 1P SZ1 SQD #9065-C01         | VARI SPD BOX    |
| ETDR                        | OVERLOAD-DRAIN MOTOR                  | W6WEDSMTA                               | MESSAGE EW        | SEE ETDR-1, OR -2 FOR PART NUMBER     | HIGH VOLT BX    |
| ETDR-1                      | OVERLOAD-DRAIN MTR 42"-+60">346V      | W6WEDSMTA                               | 09FTC0037T        | OL RELAY 3.7-12A AB#193-A3F1          | HIGH VOLT BX    |
| ETDR-2                      | OVERLOAD-DRAIN MTR 72" +60"<346V      | W6WEDSMTA                               | 09FTC0120T        | OL RELAY 12-32A AB #193-A3H1          | HIGH VOLT BX    |
| ETE1                        | OVERLOAD-LOW EXTRACT MOTOR            | W6WEDSMTA                               | MESSAGE EW        | SEE ETE1-1, -2, OR -3 FOR PART NUMBER | HIGH VOLT BX    |
| ETE1-1                      | OVERLOAD-LOW EXT 60"DIA               | W6WEDSMTA                               | 09FTC0120T        | OL RELAY 12-32A AB #193-A3H1          | HIGH VOLT BX    |

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| COMPONENT | FUNCTION OF                            |  | WHERE TO FIND  |            |                                           |              |
|-----------|----------------------------------------|--|----------------|------------|-------------------------------------------|--------------|
| NUMBER    | THIS COMPONENT                         |  | THIS COMPONENT | MILNOR PIN | DESCRIPTION                               | LOCATION     |
| ETE1-2    | OVERLOAD-LOW EXT 72"<346V              |  | W6WEDSMTA      | 09FTC0230T | OL RELAY 23-75A AB#193-A3K3               | HIGH VOLT BX |
| ETE1-3    | OVERLOAD-LOW EXT 72">346V              |  | W6WEDSMTA      | 09FTC0140T | OL RELAY 14-45A AB#193-A3J2               | HIGH VOLT BX |
| ETE2      | OVERLOAD-HIGH EXTRACT MOTOR            |  | W6WEDSMTA      | MESSAGE EW | SEE ETE2-1, -2, -3, OR -4 FOR PART NUMBER | HIGH VOLT BX |
| ETE2-1    | OVERLOAD-LOW EXT 42">346V              |  | W6WEDSMTA      | 09FTC0037T | OL RELAY 3.7-12A AB#193-A3F1              | HIGH VOLT BX |
| ETE2-2    | OVERLOAD-LOW EXT42"<346V               |  | W6WEDSMTA      | 09FTC0120T | OL RELAY 12-32A AB #193-A3H1              | HIGH VOLT BX |
| ETE2-3    | OVERLOAD-LOW EXT 60"+72" >346V         |  | W6WEDSMTA      | 09FTC0140T | OL RELAY 14-45A AB#193-A3J2               | HIGH VOLT BX |
| ETE2-4    | OVERLOAD-LOW EXT 60"+72" <346V         |  | W6WEDSMTA      | 09FTC0230T | OL RELAY 23-75A AB#193-A3K3               | HIGH VOLT BX |
| ETWA      | OVERLOAD-HIGH EXTRACT MOTOR            |  | W6WEDSMTA      | MESSAGE EW | SEE ETWA-1, -2, OR -3 FOR PART NUMBER     | HIGH VOLT BX |
| ETWA-1    | OVERLOAD-LOW EXT 42">346V              |  | W6WEDSMTA      | 09FTC0037T | OL RELAY 3.7-12A AB#193-A3F1              | HIGH VOLT BX |
| ETWA-2    | OVERLOAD-LOW EXT42"<346V+60", 72">346V |  | W6WEDSMTA      | 09FTC0120T | OL RELAY 12-32A AB #193-A3H1              | HIGH VOLT BX |
| ETWA-3    | OVERLOAD-LOW EXT 60"+72" <346V         |  | W6WEDSMTA      | 09FTC0121T | OL RELAY 12-38A AB #193-A3H2              | HIGH VOLT BX |
| EX        | >>TRANSFORMERS                         |  |                |            |                                           |              |
| EXAS      | TRANSFORMER-120V-16VAC                 |  | W6WEDSMCB      | 09UB100A16 | XFMR 120/240VP EBR 12VDC 90 WATT          | AUTOSPOT BOX |
| EX37      | TRANSFORMER-INCOMING VOLT.120VAC       |  | W6WEDSPSB      | MESSAGE EW | SEE EX37-1, -2, OR -3 FOR VOLTAGE         | HIGH VOLT BX |
| EX37-1    | TRANSFORMER-208/240>120VAC             |  | W6WEDSPSB      | 09U249AA37 | XFMR 200-240V PRI/120VSEC/250VA           | HIGH VOLT BX |
| EX37-2    | TRANSFORMER-380/480>120VAC             |  | W6WEDSPSB      | 09U200AAB  | XFMR 380-480V/240-120V-250VA              | HIGH VOLT BX |
| EX37-3    | TRANSFORMER-600->120VAC                |  | W6WEDSPSB      | 09U251AB37 | XFMR 600VPRI/120VSC-250VA-3%REG           | HIGH VOLT BX |
| EX96AH    | TRANSFORMER-600V-480V 52-72"DIA        |  | W6WEDSMT6      | 09US050A96 | XFMR 1PH 5KVA 240/280 X 120/240           | 600V BOX     |
| EX96AL    | TRANSFORMER-600V-480V 42-48"DIA        |  | W6WEDSMT6      | 09US030A96 | XFMR 1PH 3KVA 240/480X120/240             | 600V BOX     |
| EX96BH    | TRANSFORMER-600V-480V 52-72"DIA        |  | W6WEDSMT6      | 09US050A96 | XFMR 1PH 5KVA 240/280 X 120/240           | 600V BOX     |
| EX96BL    | TRANSFORMER-600V-480V 42-48"DIA        |  | W6WEDSMT6      | 09US030A96 | XFMR 1PH 3KVA 240/480X120/240             | 600V BOX     |
| KB        | >>KEYBOARD-ELECTRONIC                  |  |                |            |                                           |              |
| KBM       | KEYPAD-MICROPROCESSOR                  |  | W6WEDSKP       | 08ND5X6WE  | KEYPAD:5X6MATRIX WASHER-EXT               | SWITCH PANEL |
| MV        | >>MOTOR POWER INVERTERS                |  |                |            |                                           |              |
| MVDBR     | RESISTOR-DYNAMIC BRAKE                 |  | W6WEDSVPB      | 09MV100RES | RESIST 100 OHM 225WATT ADJ                | VARI SPD BOX |
| MVW       | INVERTER-WASH MOTOR                    |  | W6WEDSVPB      | MESSAGE EW | SEE MVWAH OR MVWAL FOR VOLTAGE            | VARI SPD BOX |
| MVW-1     | INVERTER-WASH MTT 4231&4244 LO VL      |  | W6WEDSVPB      | 09MV027A96 | VARSPEED 27 AMPS 460V                     | VARI SPD BOX |
| MVW-2     | INVERTER-WASH MTT 4231&4244 HI VL      |  | W6WEDSVPB      | 09MV054A74 | VARSPEED 54 AMPS 230V                     | VARI SPD BOX |
| MVW-3     | INVERTER-WASH MTR 6044&7244 LO VL      |  | W6WEDSVPB      | 09MV027A96 | VARSPEED 27 AMPS 460V                     | VARI SPD BOX |
| MVW-4     | INVERTER-WASH MTR 6044&7244 HI VL      |  | W6WEDSVPB      | 09MV054A74 | VARSPEED 54 AMPS 230V                     | VARI SPD BOX |
| SC        | >>SWITCH-AUTOSPOT                      |  |                |            |                                           |              |
| SCAS1     | SWITCH-AUTOSPOT SELECT 1ST POCKET      |  | W6WESSASB      | 09R015     | ACTUATOR,MICROSW #JV-9 (CLASS 004)        | ASPOT SENSOR |
| SCAS2     | SWITCH-AUTOSPOT SELECT 2ND POCKET      |  | W6WESSASB      | 09R015     | ACTUATOR,MICROSW #JV-9 (CLASS 004)        | ASPOT SENSOR |

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|------------------|-----------------------------------|-----------------------|-------------------|------------------------------------|-----------------|
| <u>NUMBER</u>    | <u>THIS COMPONENT</u>             | <u>THIS COMPONENT</u> |                   |                                    |                 |
| SCAS3            | SWITCH-AUTOSPOT SELECT 3RD POCKET | W6WESSASB             | 09R015            | ACTUATOR,MICROSW #JV-9 (CLASS 004) | ASPT SENSOR     |
| SH               | >>SWITCH-HAND OPERATED            |                       |                   |                                    |                 |
| SHAS             | SWITCH-DESIRE AUTOSPOT POCKET     | W6WEDSASB             | 09N041R           | ROTSW 2POLE 8POSIT 5A125V ULCSA    | SWITCH PANEL    |
| SHDO             | SWITCH-DOOR OPEN                  | W6WEDSS+B             | 09R019            | MICSW SPDT KEYED BZ-2RQ128T (03    | SWITCH PANEL    |
| SHEAK            | SWITCH-EXTRACT CONTROL (AMPSAVER) | W6WEDSEAB             | 09N405M210        | SWASS M2W 1NO                      | LOW VOLT BOX    |
| SHMD             | SWITCH-MILDATA LOCAL/REMOTE       | W6WEDSI1A             | 09N405M210        | SWASS M2W 1NO                      | PROCESSOR BX    |
| SHS+             | SWITCH-START 3-WIRE               | W6WEDSS+B             | 09N405PG10        | SWASS PBGN 1NO                     | SWITCH PANEL    |
| SHSG             | SWITCH-SIGNAL CANCEL              | W6WEDSI1A             | 09N405PY10        | SWASS PB YELLOW 1NO                | SWITCH PANEL    |
| SHSMA            | SWITCH-MASTER                     | W6WEDSSPB             | 09N405M210        | SWASS M2W 1NO                      | SWITCH PANEL    |
| SHSOE            | SWITCH-EMERGENCY STOP             | W6WEDSS+B             | 09N505            | SW ASSY EMER STOP                  | SWITCH PANEL    |
| SHSOM            | SWITCH-STOP                       | W6WEDSS+B             | 09N405PR01        | SWASS PBRD 1NC                     | SWITCH PANEL    |
| SHWJ             | SWITCH-JOG                        | W6WEDSASB             | 09N405M211        | SWASS M2W 1NO+1NC                  | SWITCH PANEL    |
| SK               | >>SWITCH-KEYLOCK                  |                       |                   |                                    |                 |
| SKPR             | SWITCH-RUN/PROGRAM (KEY OP)       | W6WEDS11              | 09N127C           | KEYSW SPST 7A120VAC SCREW TERM     | SWITCH PANEL    |
| SL               | >>SWITCH-LEVEL OPERATED           |                       |                   |                                    |                 |
| SLL1             | LEVEL SW-LOW LEVEL                | W6WEDS11              | 09R014A           | MINI-SW SPDT STAKON #V15G1C26K     | LEVEL TUBE      |
| SLL3             | LEVEL SW-HIGH LEVEL               | W6WEDS11              | 09R014A           | MINI-SW SPDT STAKON #V15G1C26K     | LEVEL TUBE      |
| SM               | >>SWITCH-MECHANICAL OPERATED      |                       |                   |                                    |                 |
| SMD2             | SWITCH-SECONDARY DOOR             | W6WEDSS+B             | 09RM01212S        | CAPSW 12FT 180DEG ROLLER SILVER    | DOOR HINGE      |
| SMERB            | SWITCH-EXCURSION                  | W6WEDSS+B             | 09R008A           | MICSW SPDT PAINTED BZE6-RN 01      | MACH HOUSE      |
| SMPL1            | SWITCH-DOOR LATCHED LEFT          | W6WEDSSPB             | 09R012            | MICSW SPDT PAINTED BZE6-RN 01      | DOOR ASSEMBY    |
| SMPL2            | SWITCH-DOOR LATCHED RIGHT         | W6WEDSSPB             | 09R012            | MICSW SPDT PAINTED BZE6-RN 01      | DOOR ASSEMBY    |
| SMSP             | SWITCH-SPEED IS SLOW              | W6WEDSSPB             | SAE03-088         | ASSY=CENSW + MOUNTBKT 42           | MOTOR DRIVE     |
| SMWVB            | SWITCH-MACHINE VIBRATION          | W6WESSS+B             | 09R020            | SWITCH NC VIBR #WZ-2RW84429-P52    | HIGH VOLT BX    |
| SP               | >>SWITCH-PRESSURE OPERATED        |                       |                   |                                    |                 |
| SPBR             | PRESSURE SW-BRAKE                 | W6WEDS11              | 09N082A           | PRESSW NASON CLOSE @ 62 LB.        | AIR VALVE BX    |
| SPB2R            | PRESSURE SW-2ND BRAKE             | W6WEDSS+B             | 09N082A           | PRESSW NASON CLOSE @ 62 LB.        | AIR VALVE BX    |
| SPLL1            | PRESSURE SW-LOWLEVEL              | W6WEDS11              | 09N069            | PRESS SWITCH 4"WC EATON738-719     | LOW VOLT BOX    |
| VE               | >>VALVE-ELECTRIC OPERATED         |                       |                   |                                    |                 |
| VEAS             | VALVE-AUTOSPOT SW ENGAGE          | W6WEDSASB             | 96R301A37         | 1/8" PILOT 3W-NC 110/50 120/60     | AIR VALVE BX    |
| VEB2R            | VALVE-2ND BRAKE                   | W6WEDSSPB             | 96R302A37         | 1/8"AIR PILOT 3WANO 120V50/60C     | AIR VALVE BX    |
| VECFM            | VALVE-FLUSH MANIFOLD              | W6WEDSCXA             | 96R301A37         | 1/8" PILOT 3W-NC 110/50 120/60     | SUPPLY VLVST    |
| VEC01            | VALVE-CHEMICAL #1 FLUSH           | W6WEDSCFB             | 96TCC2AA37        | 1/2" N/C 2WAY 120V50/60C VALVE     | SUPPLY INJEC    |

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| NUMBER    | THIS COMPONENT                      | THIS COMPONENT |            |                                  |              |
| VEC02     | VALVE-CHEMICAL #2 FLUSH             | W6WEDSCFB      | 96TCC2AA37 | 1/2" N/C 2WAY 120V50/60C VALVE   | SUPPLY INJEC |
| VEC03     | VALVE-CHEMICAL #3 FLUSH             | W6WEDSCFB      | 96TCC2AA37 | 1/2" N/C 2WAY 120V50/60C VALVE   | SUPPLY INJEC |
| VEC04     | VALVE-CHEMICAL #4 FLUSH             | W6WEDSCFB      | 96TCC2AA37 | 1/2" N/C 2WAY 120V50/60C VALVE   | SUPPLY INJEC |
| VEC05     | VALVE-CHEMICAL #5 FLUSH             | W6WEDSCFB      | 96TCC2AA37 | 1/2" N/C 2WAY 120V50/60C VALVE   | SUPPLY INJEC |
| VEC06     | VALVE-CHEMICAL #6                   | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC07     | VALVE-CHEMICAL #7                   | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC08     | VALVE-CHEMICAL #8                   | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC09     | VALVE-CHEMICAL #9                   | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC10     | VALVE-CHEMICAL #10                  | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC11     | VALVE-CHEMICAL #11                  | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC12     | VALVE-CHEMICAL #12                  | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC13     | VALVE-CHEMICAL #13                  | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC14     | VALVE-CHEMICAL #14                  | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEC15     | VALVE-CHEMICAL #15                  | W6WEDSCXA      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | INTERPRET BX |
| VEDRR     | VALVE-DRAIN TO REUSE                | W6WEDSEVB      | 96R302A37  | 1/8" AIR PILOT 3WANO 120V50/60C  | AIR VALVE BX |
| VEDRS     | VALVE-DRAIN TO SEWER                | W6WEDSEVB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEPL      | VALVE-DOOR LATCH                    | W6WEDSSPB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEPPO     | VALVE-INFLATE DOOR SEAL             | W6WEDSSPB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VESTM     | VALVE-STEAM                         | W6WEDSEVB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VETCWA    | VALVE-COOLDOWN 60" AND 72"          | W6WEDSEVB      | 96P151A37  | 1+1/4" VAL 110V HAYS 2110-60211S | WATER INLET  |
| VETCWB    | VALVE-COOLDOWN 42" ONLY             | W6WEDSEVB      | 96P053A37  | 3/4" VAL 110V HAYS #2110-60211S  | WATER INLET  |
| VEWBR     | VALVE-BRAKE                         | W6WEDSEVB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEWBRA    | VALVE-BRAKE FOR 72" ONLY            | W6WEDSEVB      | 96TBO3BA37 | 1/4" N/O 3WAY 120V50/60C         | AIR VALVE BX |
| VEWCL     | VALVE-AIR CLUTCH 42" DIA            | W6WEDSSPB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEWCL*    | VALVE-AIR CLUTCH 60" & 72" DIA      | W6WEDSSPB      | 96TBC3BA37 | 1/4" N/C 3WAY 120V50/60C VALVE   | AIR VALVE BX |
| VEWCLA    | VALVE-AIR CLUTCH VENT 42" DIA       | W6WEDSSPB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEWCLA*   | VALVE-AIR CLUTCH VENT 60" & 72" DIA | W6WEDSSPB      | 96TBC3BA37 | 1/4" N/C 3WAY 120V50/60C VALVE   | AIR VALVE BX |
| VEWPD     | VALVE-PUSH DOWN 42" DIA             | W6WEDSSPB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEWPD*    | VALVE-PUSH DOWN 60" & 72" DIA       | W6WEDSSPB      | 96TCC3AA37 | 3/8" N/C 3WAY 120V50/60C VALVE   | AIR VALVE BX |
| VEWSS     | VALVE-SEAL SUCKER                   | W6WEDSSPB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEWVC     | VALVE-COLD WATER                    | W6WEDSSPB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEWVH     | VALVE-HOT WATER                     | W6WEDSEVB      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |
| VEWVS     | VALVE-SPRAY DOWN                    | W6WEDSS+B      | 96R301A37  | 1/8" PILOT 3W-NC 110/50 120/60   | AIR VALVE BX |

# COMPONENT PARTS LIST

W6WEDSPL/2004514N

| <u>COMPONENT<br/>NUMBER</u> | <u>FUNCTION OF<br/>THIS COMPONENT</u> | <u>WHERE TO FIND<br/>THIS COMPONENT</u> | <u>MILNOR P/N</u> | <u>DESCRIPTION</u>             | <u>LOCATION</u> |
|-----------------------------|---------------------------------------|-----------------------------------------|-------------------|--------------------------------|-----------------|
| VEWVX                       | VALVE-EXTRA WATER                     | W6WEDSEVB                               | 96R301A37         | 1/8" PILOT 3W-NC 110/50 120/60 | AIR VALVE BX    |
| WF                          | >>METER-WATER                         |                                         |                   |                                |                 |
| WFM                         | METER-WATER FLOW                      | W6WEDSFS                                | 30F515            | FLOW SENSOR SIGNET P51530-P0   | WATER INLET     |
| ZF                          | >>RECTIFIERS                          |                                         |                   |                                |                 |
| ZFAS                        | RECTIFIER-AUTOSPOT                    | W6WEDSMCB                               | 09A020EBR         | RECTIFIER (EBR) 15A/600PIV     | AUTOSPOT BOX    |



# **PELLERIN MILNOR CORPORATION**

## **LIMITED STANDARD WARRANTY**

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

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

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

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

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

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

**BMP720097**  
**92732A**



## **How to order repair parts**

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

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

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

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

## **Please read this manual**

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

### **PELLERIN MILNOR CORPORATION**

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

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

**BMP720097R**  
**72332A**

## 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.

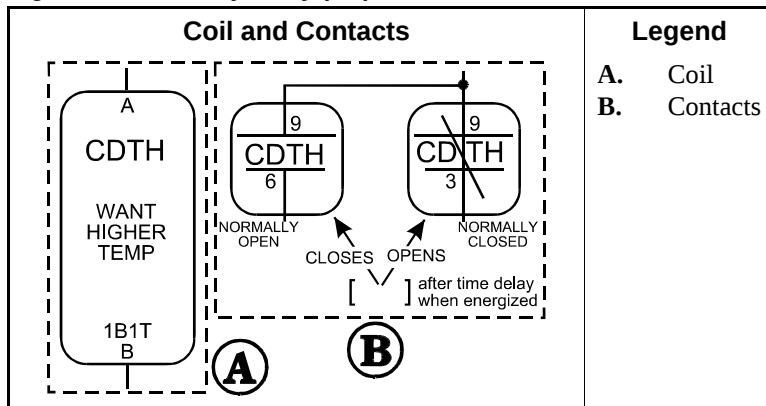
**CB=Circuit Breaker (Figure 1)**—Automatic switch that opens an electric circuit in abnormal current conditions (e.g., an overload).

**Figure 1: Circuit Breaker (CB)**



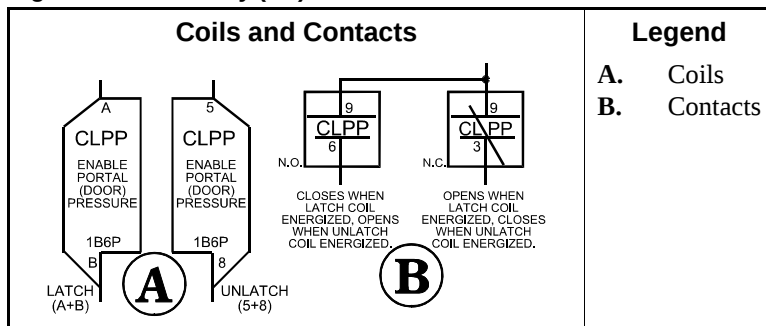
**CD=Control, Time Delay Relay (Figure 2)**—A relay whose contacts switch only after a fixed or adjustable delay, once voltage has been applied to its coil. The contacts switch back to normal (de-energized state) immediately when the voltage is removed.

**Figure 2: Time Delay Relay (CD)**



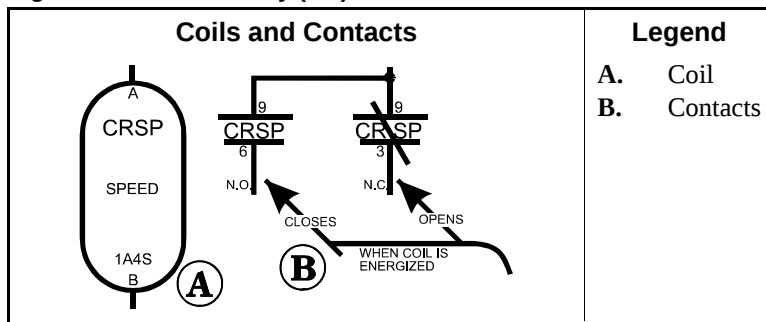
**CL=Control, Latch Relay (Figure 3)**—A relay which latches in an energized or set position when operated by one coil (the latch/set coil). The relay stays latched even though coil voltage is removed. The relay releases or unlatches when voltage is applied to a second coil (the unlatch/reset coil).

**Figure 3: Latch Relay (CL)**



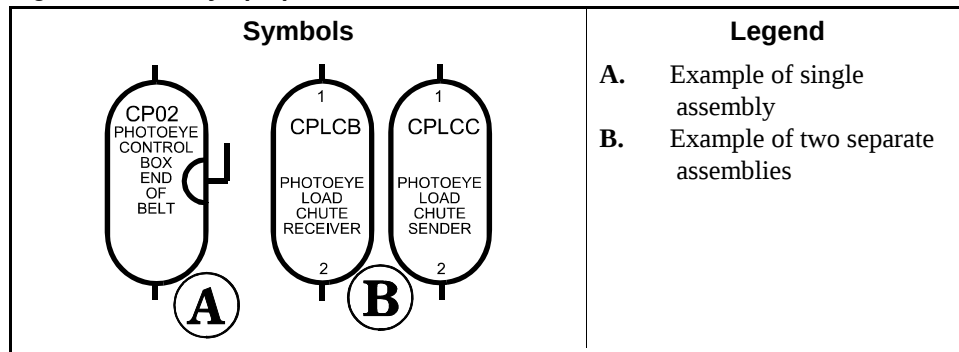
**CR=Control, Relay (Figure 4)**—A relay whose contacts switch immediately when voltage is applied to its coil and revert to normal when the voltage is removed.

**Figure 4: Standard Relay (CR)**



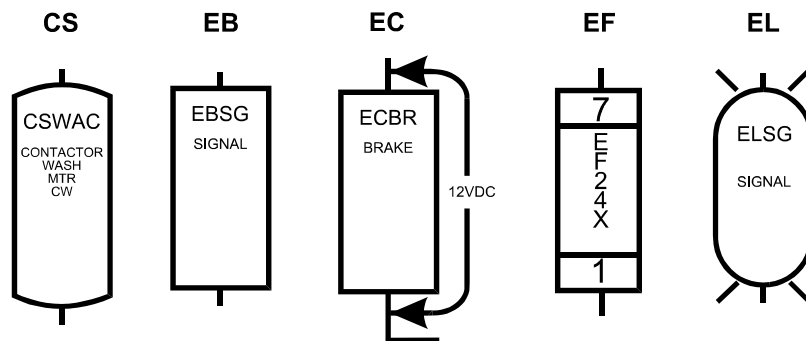
**CP=Control, Photo-Eye (Figure 5)**—Photo-eyes sense the presence of an object without direct physical contact. Photo-eyes consist of a transmitter, receiver, and output module. These components may be housed in one assembly with the transmitter bouncing light off of a reflector to the receiver, or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

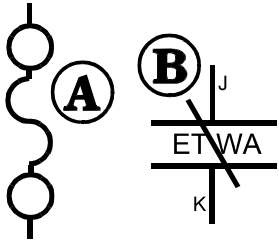
**EL=Electric Light (Figure 6)**—Indicator lights may be either incandescent or fluorescent.

**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                                                                                                |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  | <p>A. Heater (one per phase)</p> <p>B. Overload relay; contacts open if overload condition exists</p> |

**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.

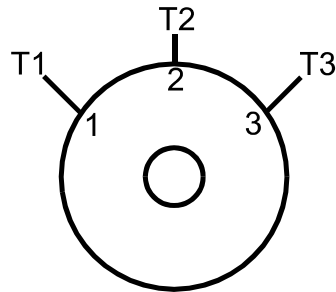
**MN=Electronic Monitor (CRT)**—A cathode ray tube used for visual presentation of data.

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

Figure 8: Transformer (EX)



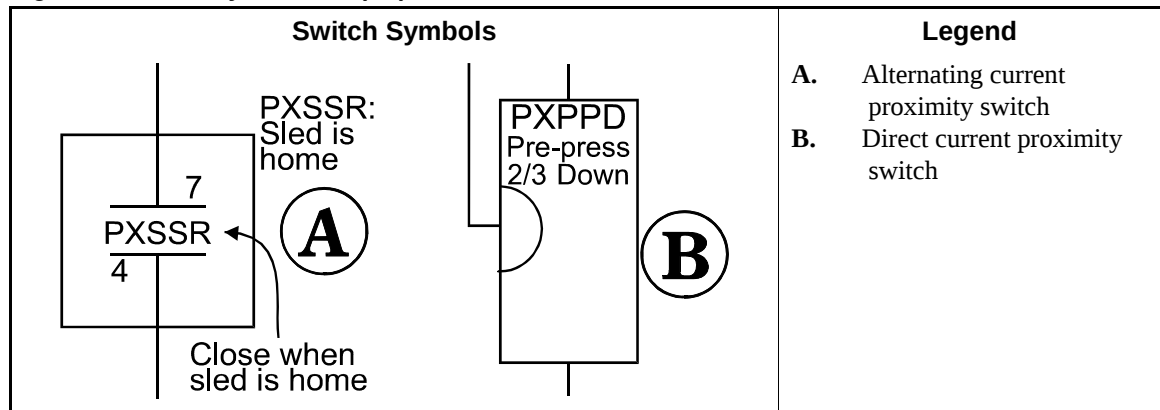
Figure 9: Electric Motor (MR)



**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.

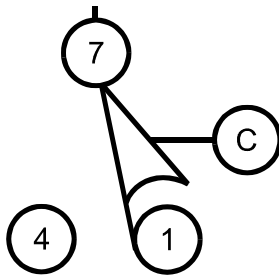
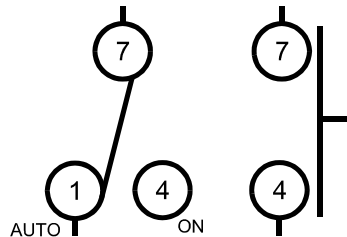
**Note 2:** Switch symbols used in the schematics and described below always depict the switch in its un-actuated state.

**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)**

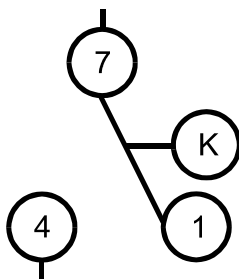
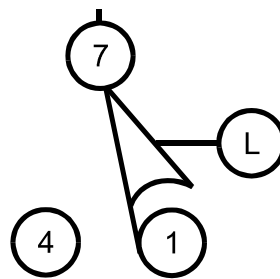
**SC=Switch, Cam Operated (Figure 11)**—A switch in which the electrical contacts are opened and/or closed by the mechanical action of a cam(s). Applications include 35-50 pound timer operated machines, Autospot, timer reversing motor assembly, and some balancing systems.

**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)

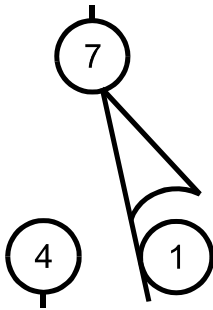
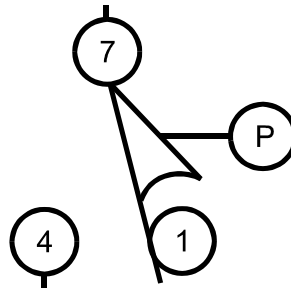


Figure 16: Pressure Switch (SP)



**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)

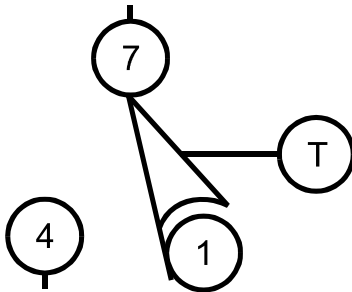
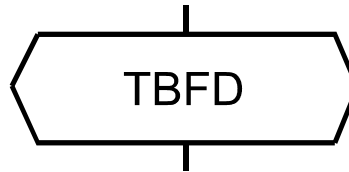
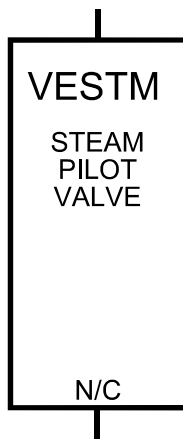


Figure 18: Terminal Board (TB)



**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)

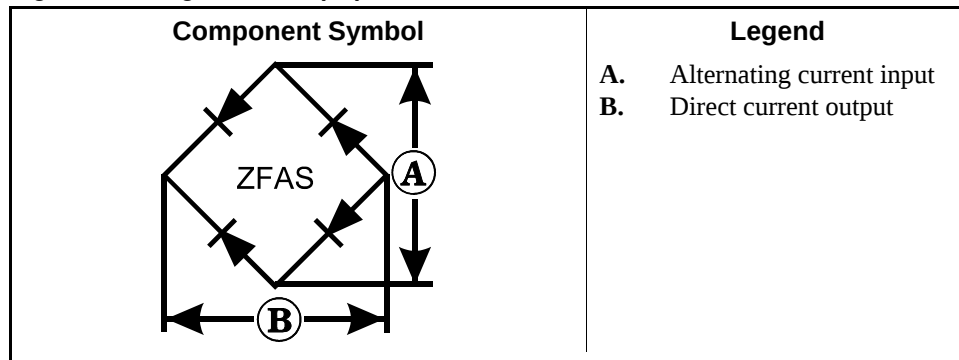
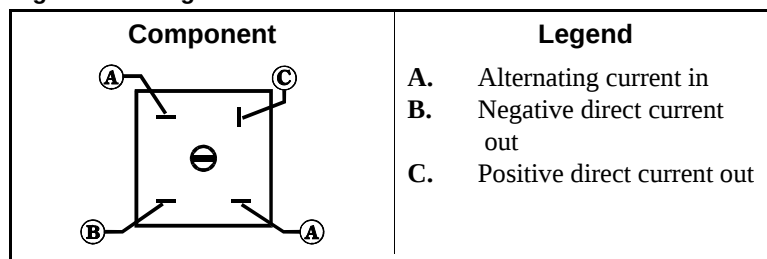


Figure 21: Bridge Rectifier



**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.

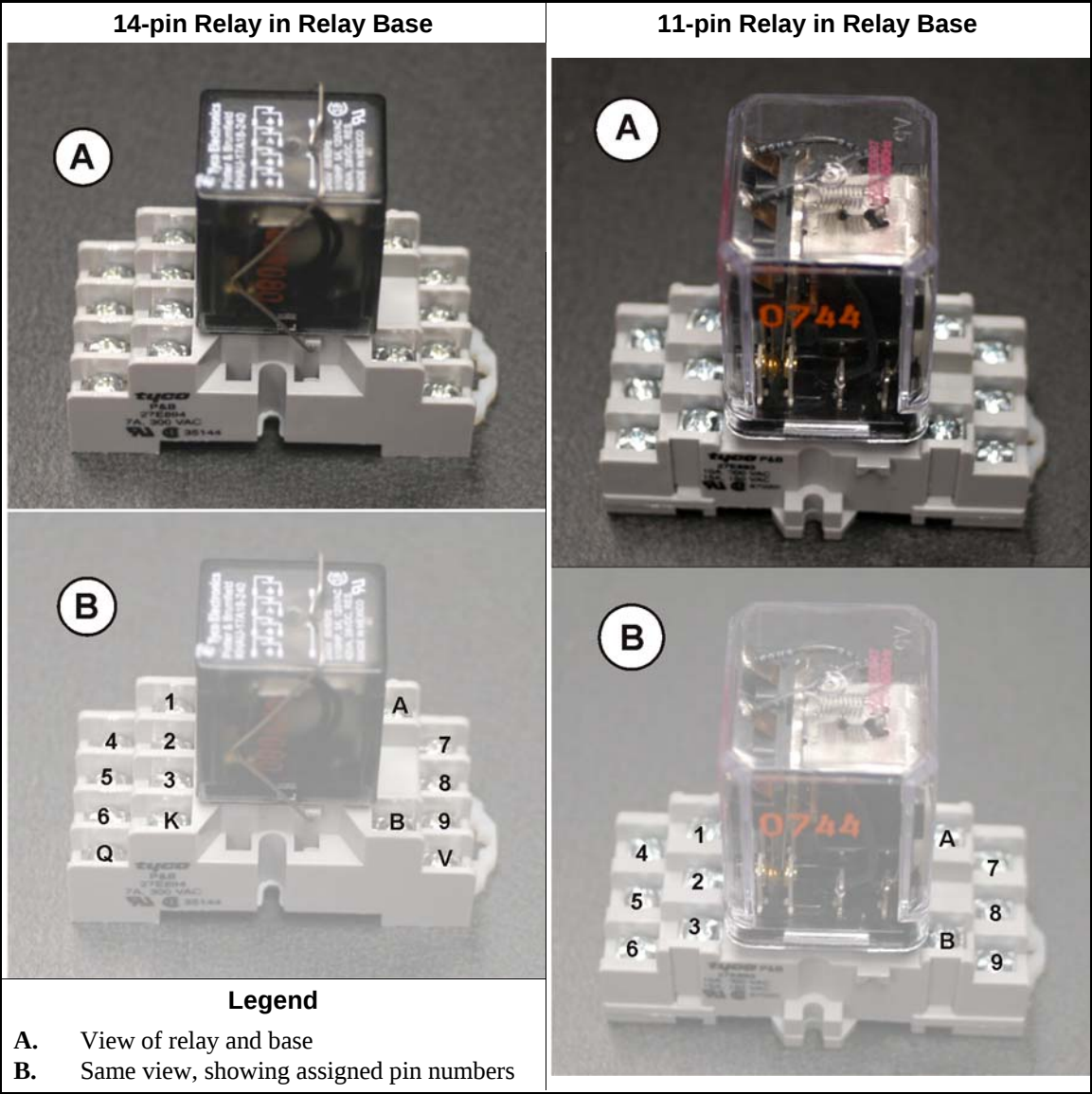
## 2. Component Terminal Numbering



**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

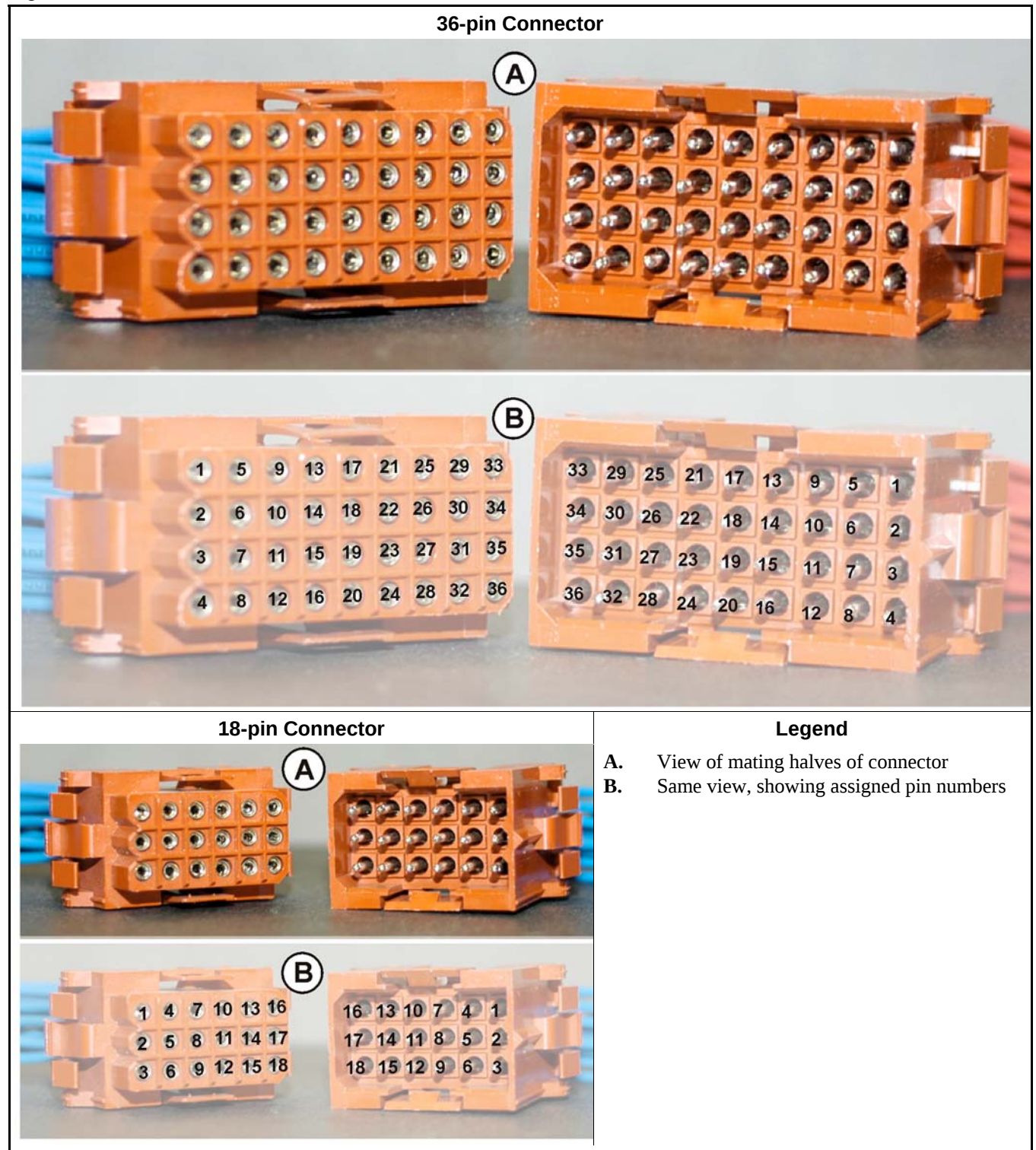


Figure 24: Molex Connector Pin Locations

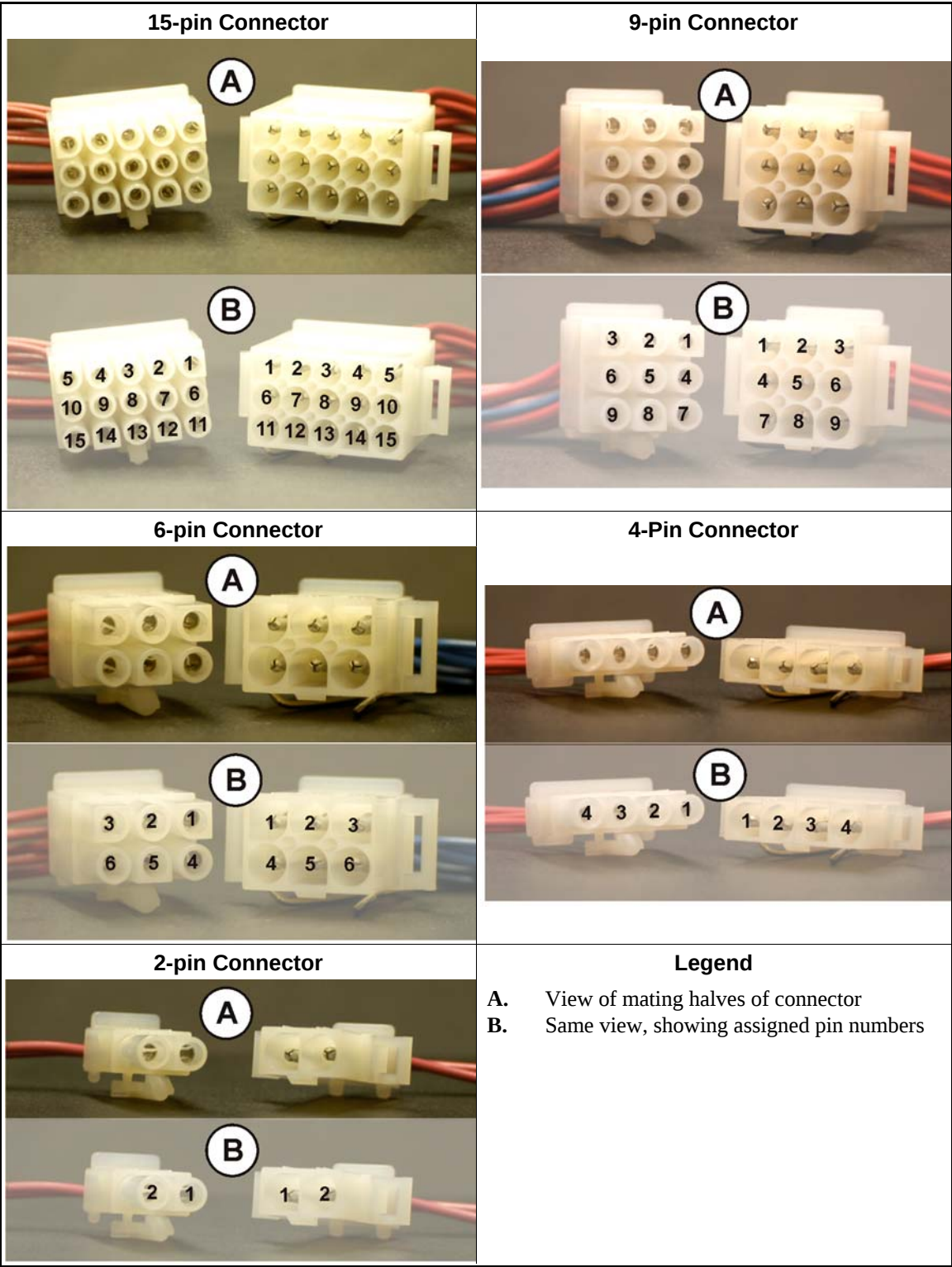


Figure 25: Pressure Switch

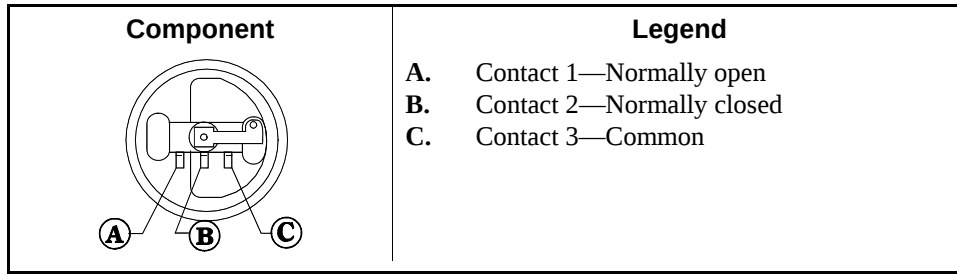


Figure 26: Toggle Switch

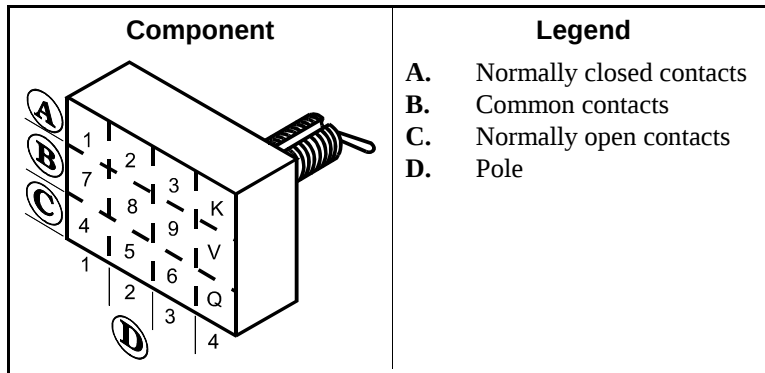
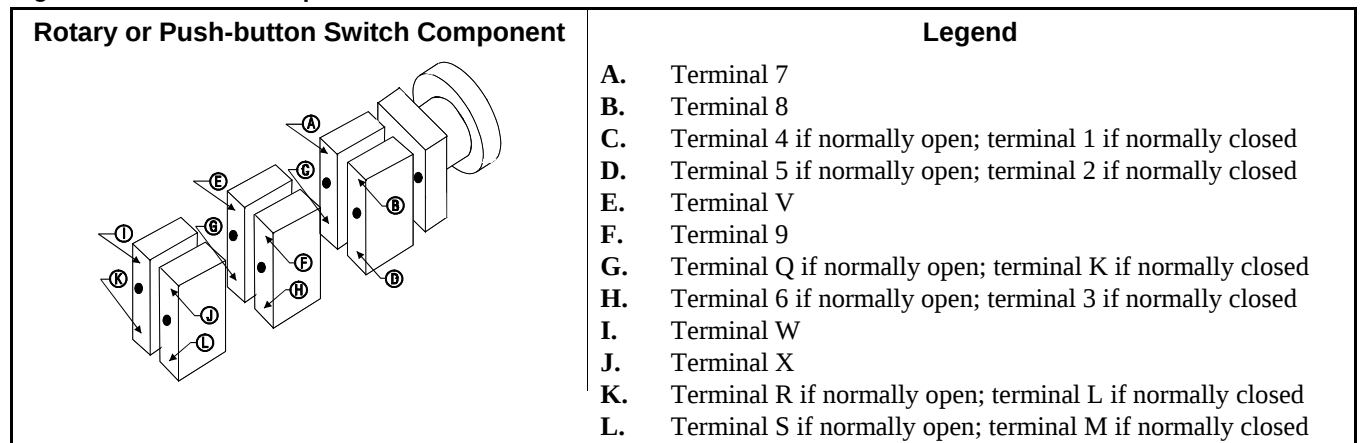


Figure 27: Switch with Replaceable Contact Blocks



### 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 —

4

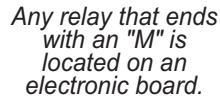
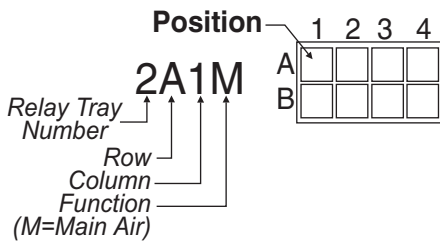
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5

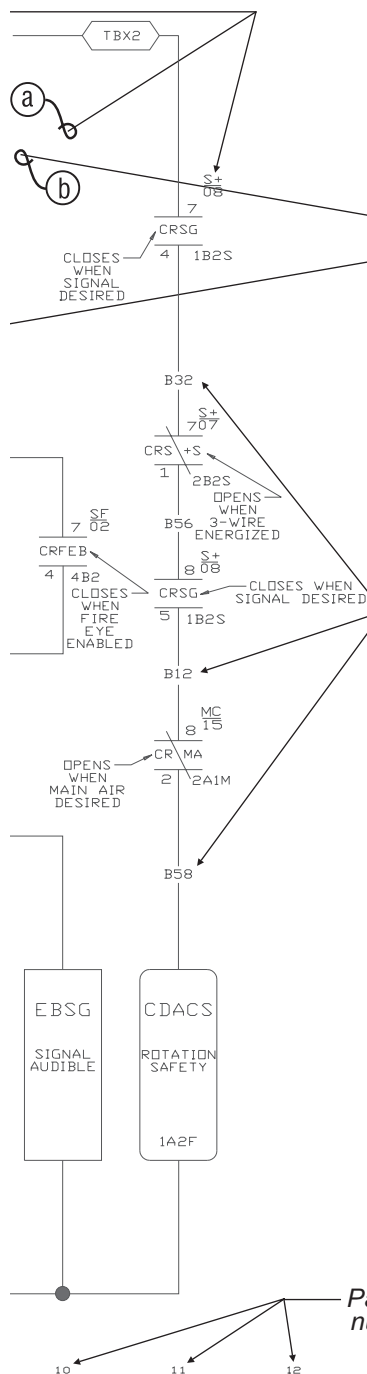
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 7-1 contact | <b>S+09</b> | <b>S+11</b> | 7-4 contact |
| 8-2 contact | —           | <b>S+11</b> | 8-5 contact |
| 9-3 contact | —           | —           | 9-6 contact |
| V-Q contact | —           | —           | V-K contact |

Contact not used —  
Drawing and line where  
contact is located

6



9



7 **1MTA5-9**

Mass termination assembly  
Pin number  
MTA designation on board  
Board MTA group designation

An MTA is a connection on an electronic circuit board. The notes and the tag page locate the appropriate board.

8 **Wire identification marking.**  
This designation is stamped on the wire every 6 inches and is used with the signal routing table.

Major revision (letter)

1 Page number (S+)

Machine type (Gas fired dryer)

6th generation of controls

W = Wiring

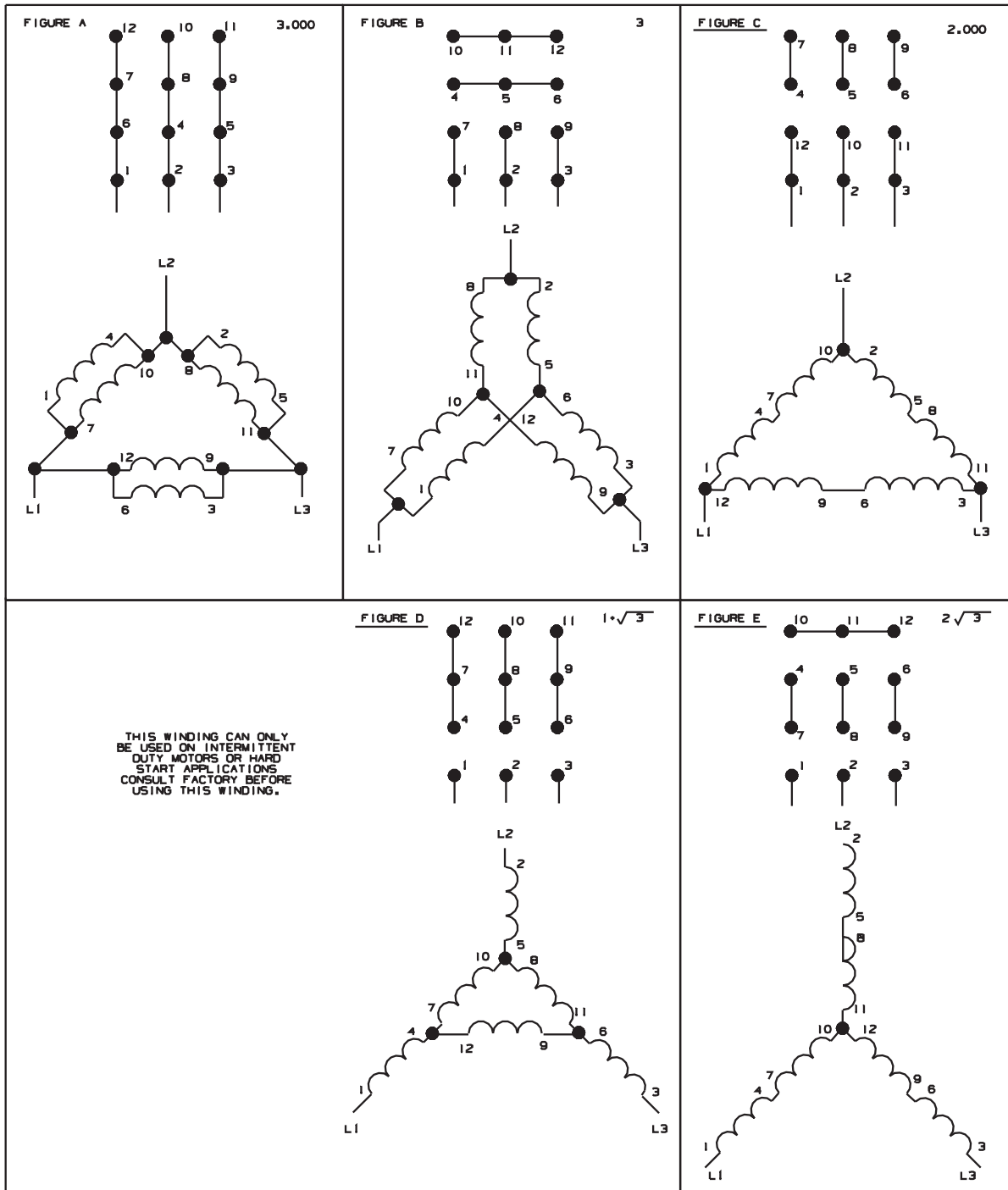
Class of control system

Title of this circuit  
Voltage of this circuit

NOTES:

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

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



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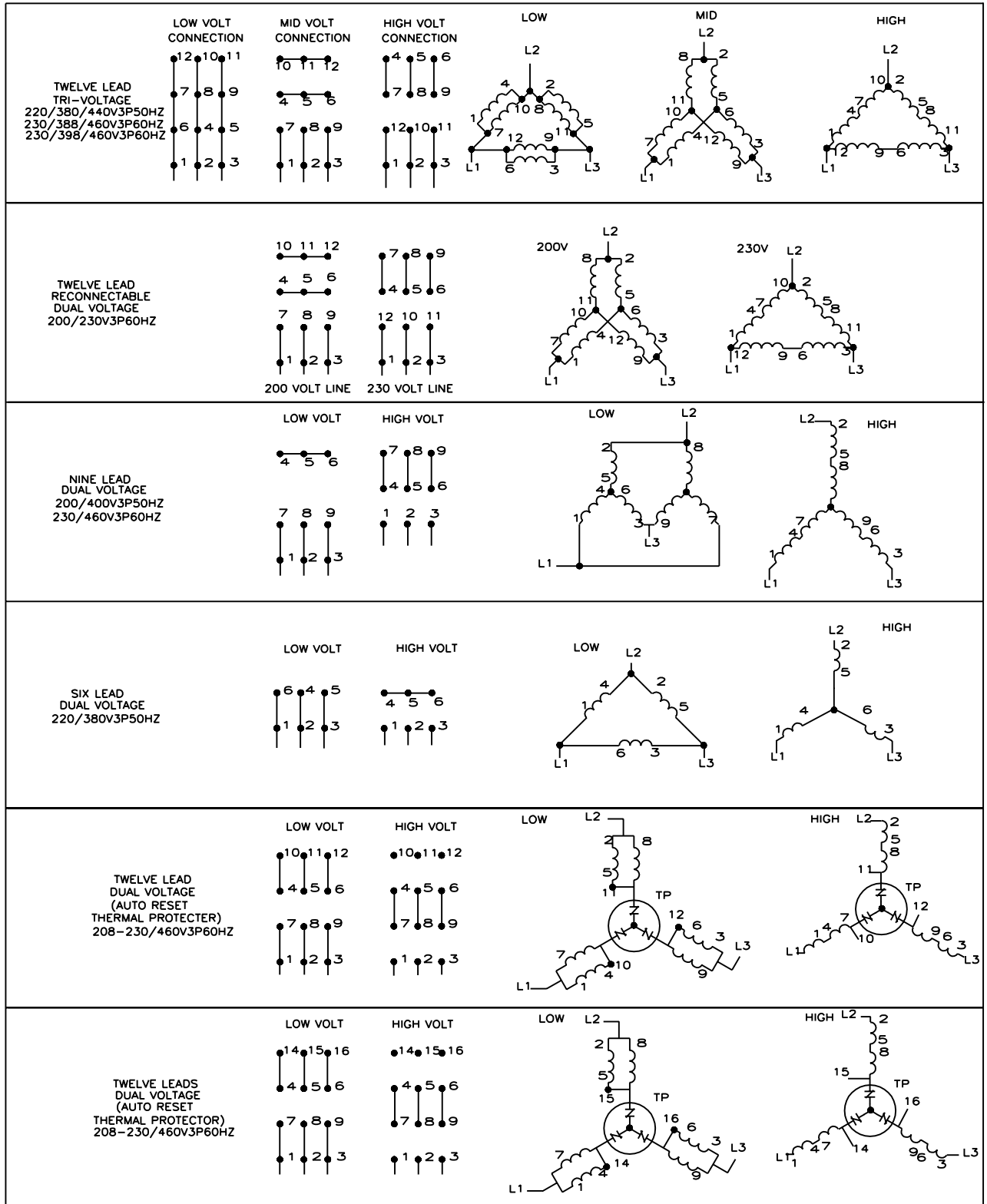
17

# BMP850029

## MOTOR CONNECTION DIAGRAMS

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

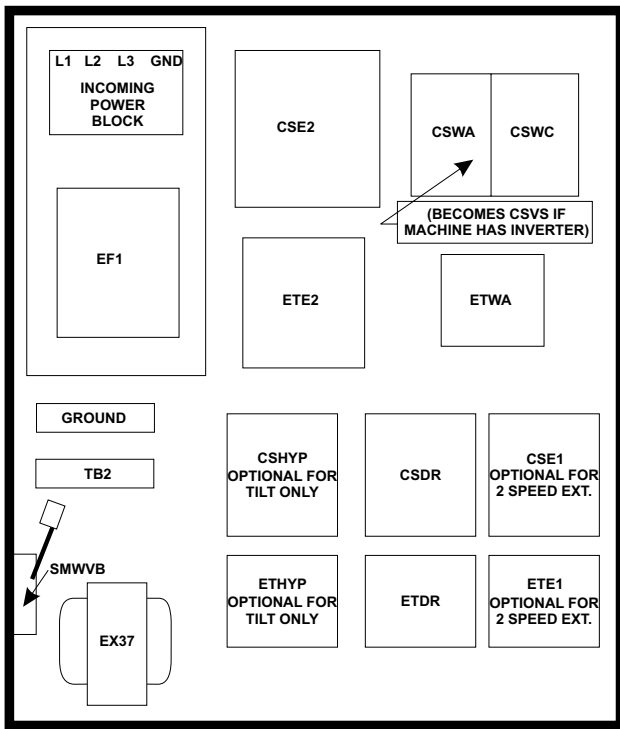
PELLERIN MILNOR CORPORATION



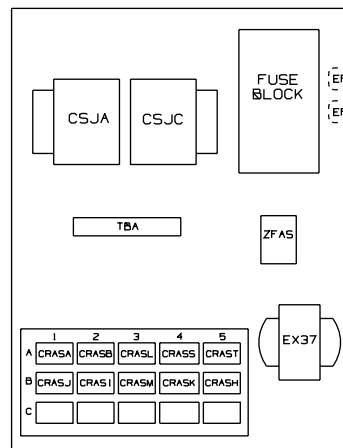
# W80008

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

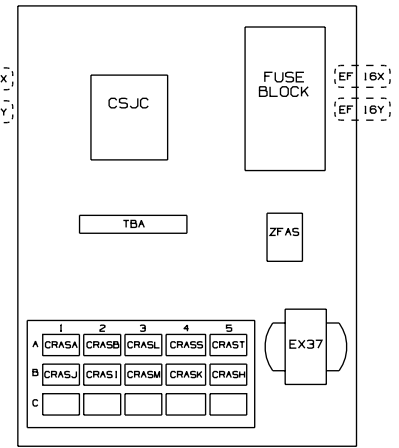
W80008  
2001253A



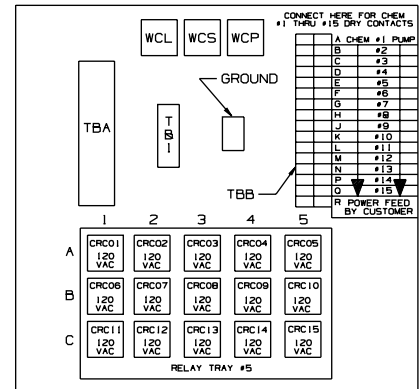
**MICRO 6 SYSTEMS**  
**OPEN POCKET WASHER-EXTRACTOR**  
**HIGH VOLTAGE CONTROL BOX** B2TAG84008  
 PELLERIN MILNOR CORPORATION 95021G



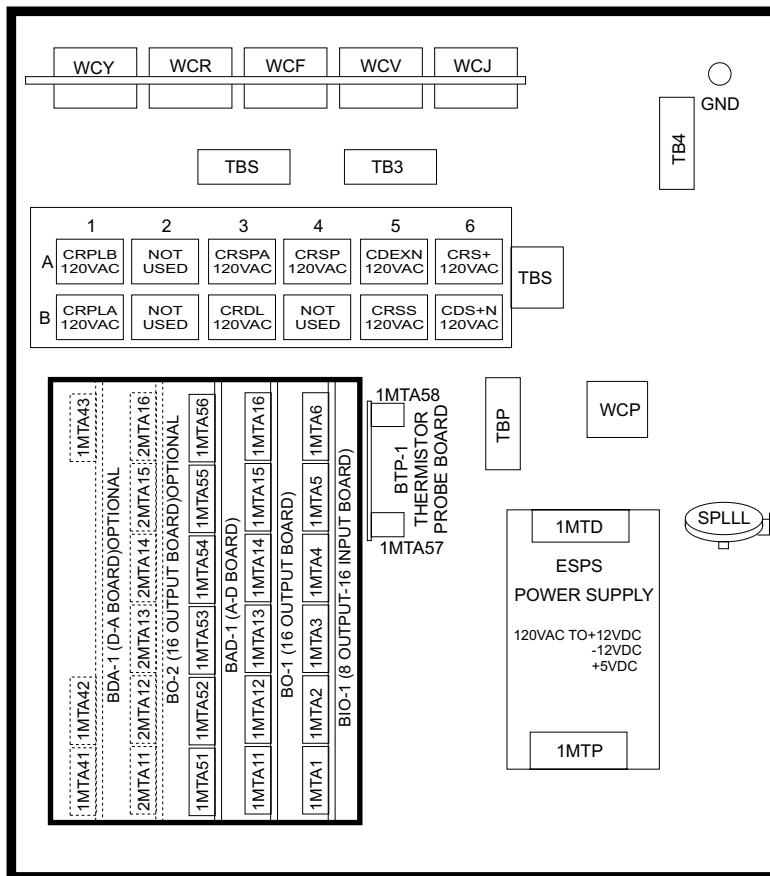
**MICRO 6 SYSTEMS**  
**MICRO 6 AUTOSPOT CONTROL BOX**  
 AUTOSPOT TWO DIRECTIONS  
 DIVCYL B2TAG85013  
 92536G  
 PELLERIN MILNOR CORPORATION

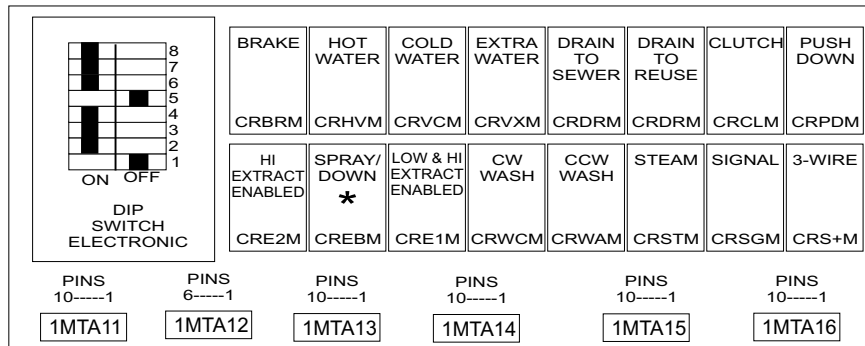
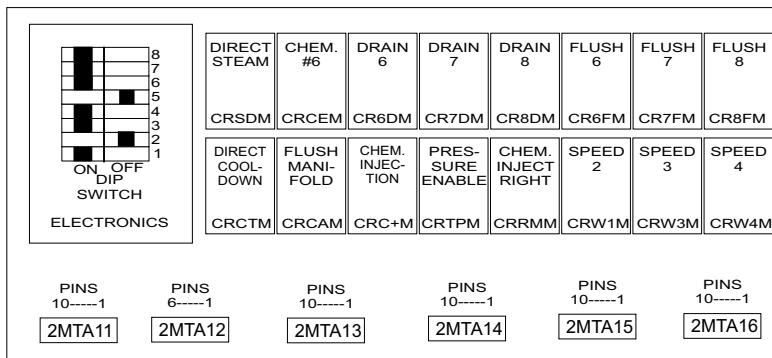


**MICRO 6 SYSTEMS**  
**MICRO 6 AUTOSPOT CONTROL BOX**  
 AUTOSPOT ONE DIRECTION  
 DIVCYL B2TAG85037  
 92536G  
 PELLERIN MILNOR CORPORATION

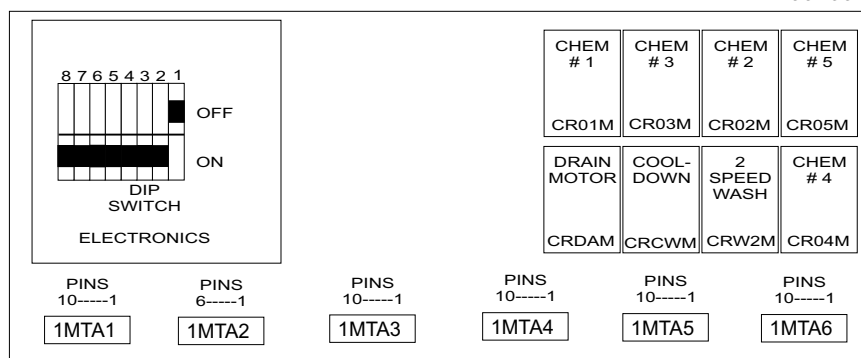
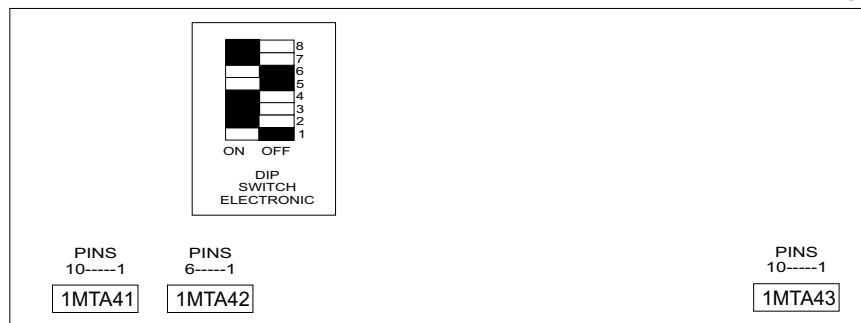


**MICRO 6 SYSTEMS**  
**SUPPLIES INTERPRET RELAY BOX** B2TAG90065  
 92536G  
 PELLERIN MILNOR CORPORATION





\* ON STAPHGUARD MACHINE, THIS RELAY IS "CLEANSIDE TRANSFER" (CRTM)



**W6WEDSTAG**  
 MICRO 6 SYSTEMS  
 SCHEMATIC: MACHINE TAGS  
 PELLERIN MILNOR CORPORATION

W6WEDSTAG  
 2004514B

B2TAG86014  
92236G

B2TAG86013  
87353G

B2TAG68025  
99406G

B2TAG86015  
86383G

W6WEDSTAG  
2004514B

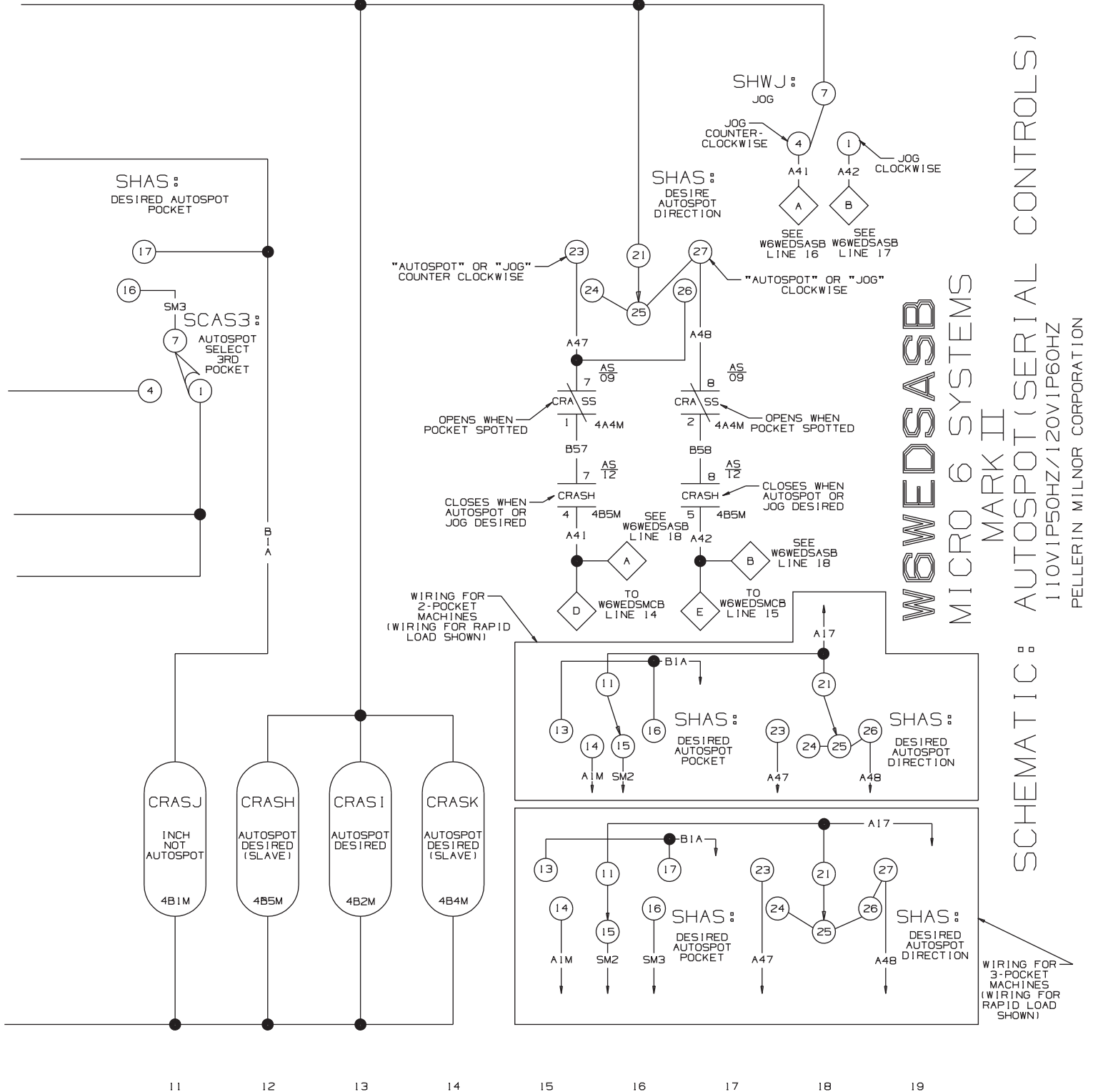


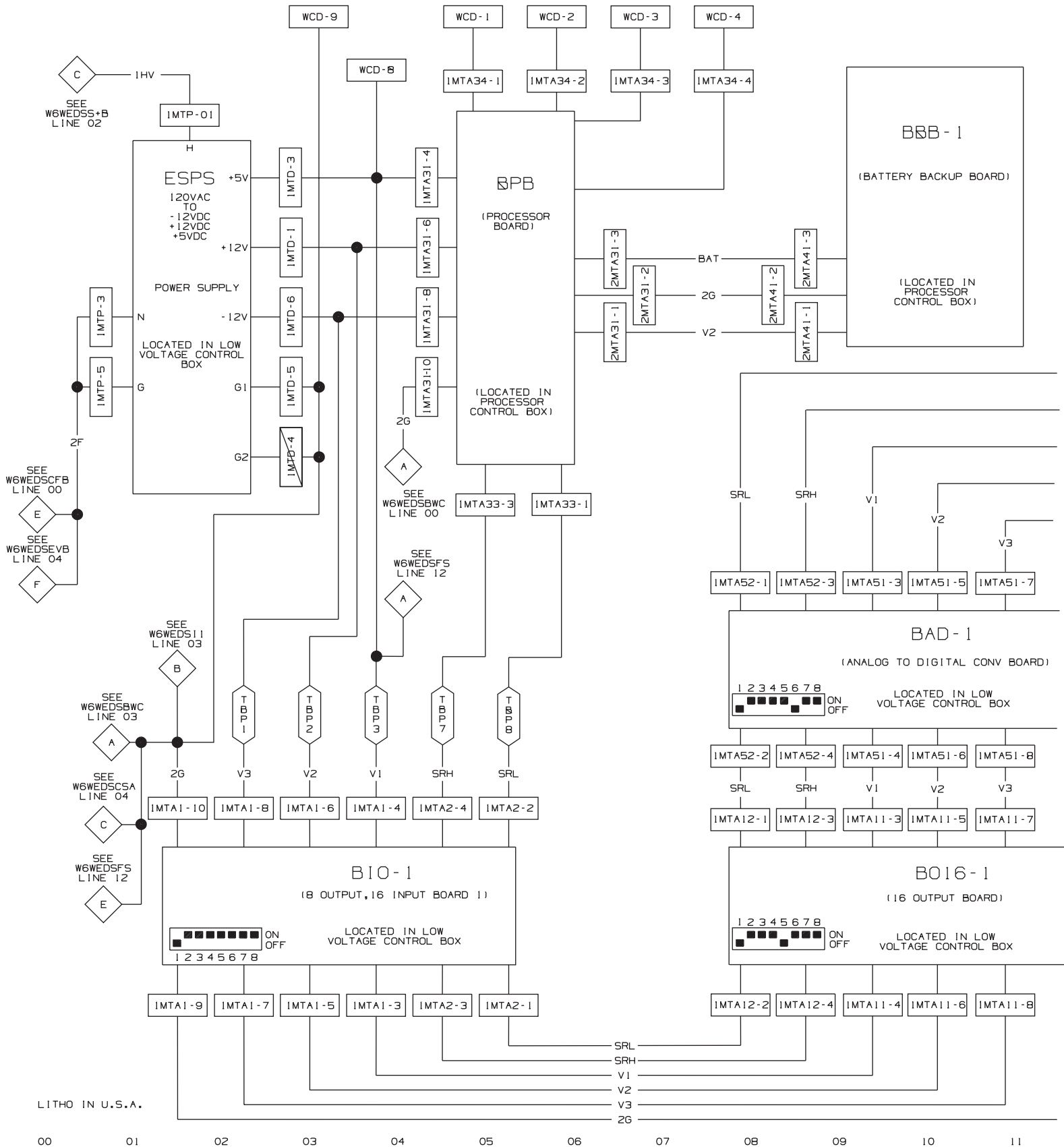
SELECT SWITCH, AND POCKET SENSING SWITCHES

NOTES:

1. REMOVE (J1) FOR MACHINES WITHOUT DOOR CLOSED OPTION  
ALL RELAYS ON THIS SCHEMATIC ARE LOCATED IN THE AUTOSPOT CONTROL BOX.
2. TBA IS LOCATED IN LOW VOLTAGE CONTROL BOX.

|      |      |      |      |
|------|------|------|------|
| EV01 | AS15 | SP00 |      |
| AS04 | AS17 | EV02 |      |
|      |      | AS04 | SP12 |



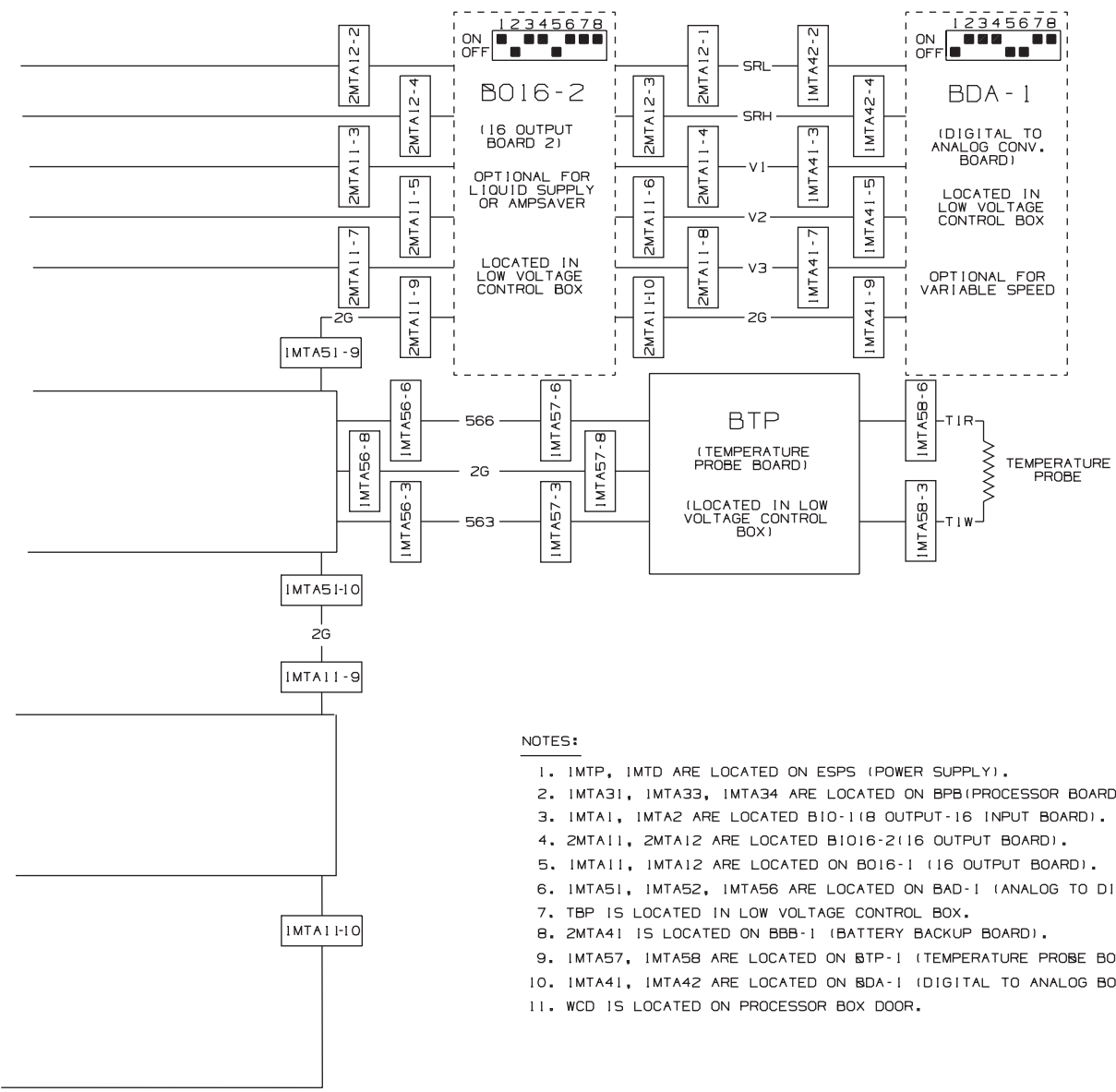


LITHO IN U.S.A.

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

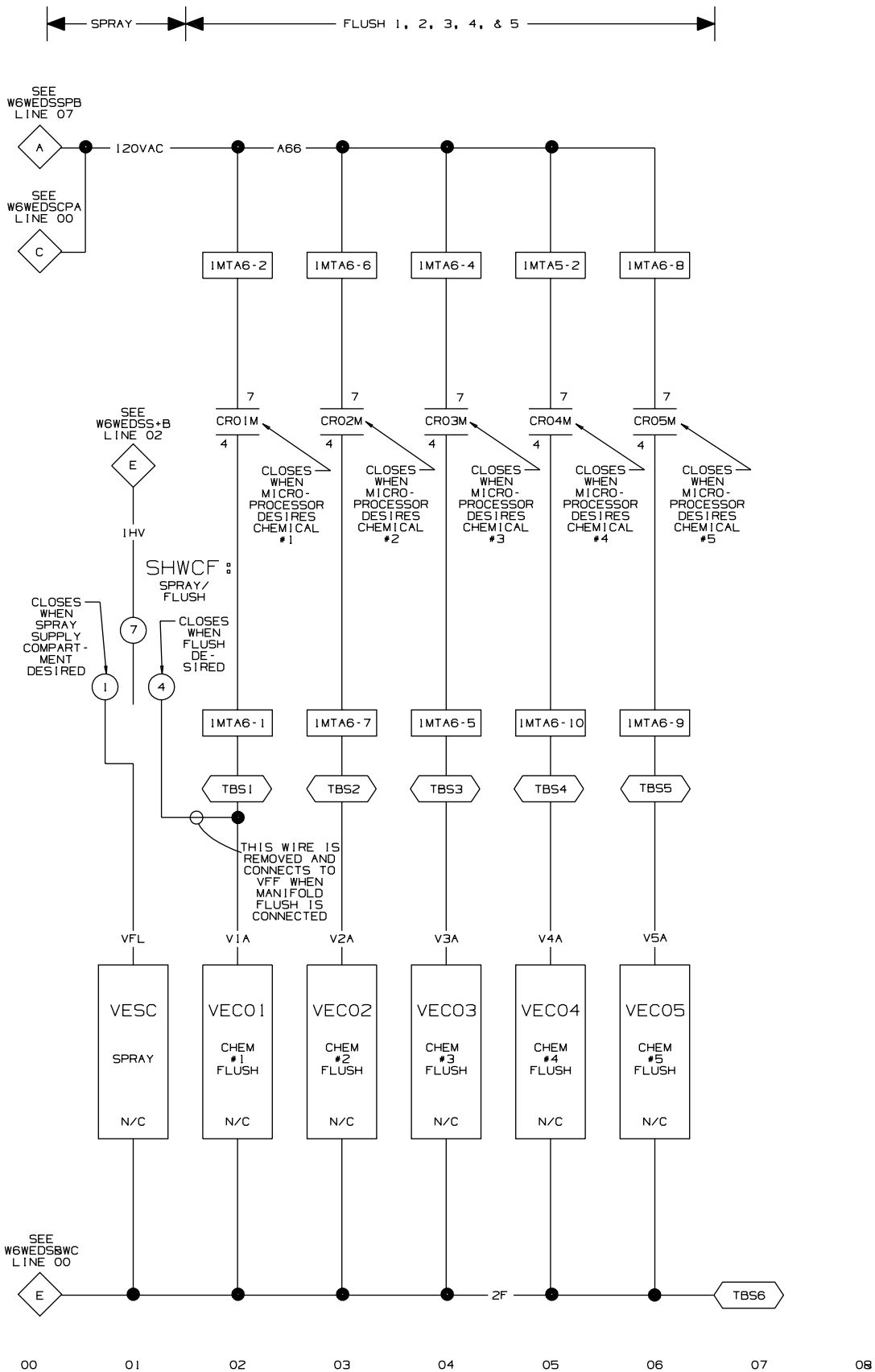


| WIRE NO. | VOLTAGE        | WIRE COLOR  |
|----------|----------------|-------------|
| V1       | +5VDC          | BLUE        |
| V2       | +12VDC         | BLUE/ORANGE |
| V3       | -12VDC         | BLUE/BLACK  |
| ZG       | GROUND         | BLUE/WHITE  |
| SRH      | SERIAL HIGH    | BLUE/RED    |
| SRL      | SERIAL LOW     | BLUE/BLACK  |
| INPUTS   | -              | BLUE/BLACK  |
| -        | 24VAC          | BLUE/RED    |
| -        | 120VAC         | RED         |
| ZF       | CONTROL GROUND | RED/WHITE   |
| OUTPUTS  | -              | RED/BLACK   |



- NOTES:
1. IMTP, IMTD ARE LOCATED ON ESPS (POWER SUPPLY).
  2. IMTA31, IMTA33, IMTA34 ARE LOCATED ON BPB (PROCESSOR BOARD).
  3. IMTA1, IMTA2 ARE LOCATED B10-118 OUTPUT-16 INPUT BOARD).
  4. ZMTA11, ZMTA12 ARE LOCATED B1016-2 (16 OUTPUT BOARD).
  5. IMTA11, IMTA12 ARE LOCATED ON B016-1 (16 OUTPUT BOARD).
  6. IMTA51, IMTA52, IMTA56 ARE LOCATED ON BAD-1 (ANALOG TO DIGITAL BOARD).
  7. TBP IS LOCATED IN LOW VOLTAGE CONTROL BOX.
  8. ZMTA41 IS LOCATED ON BBB-1 (BATTERY BACKUP BOARD).
  9. IMTA57, IMTA58 ARE LOCATED ON BTP-1 (TEMPERATURE PROBE BOARD).
  10. IMTA41, IMTA42 ARE LOCATED ON BDA-1 (DIGITAL TO ANALOG BOARD).
  11. WCD IS LOCATED ON PROCESSOR BOX DOOR.

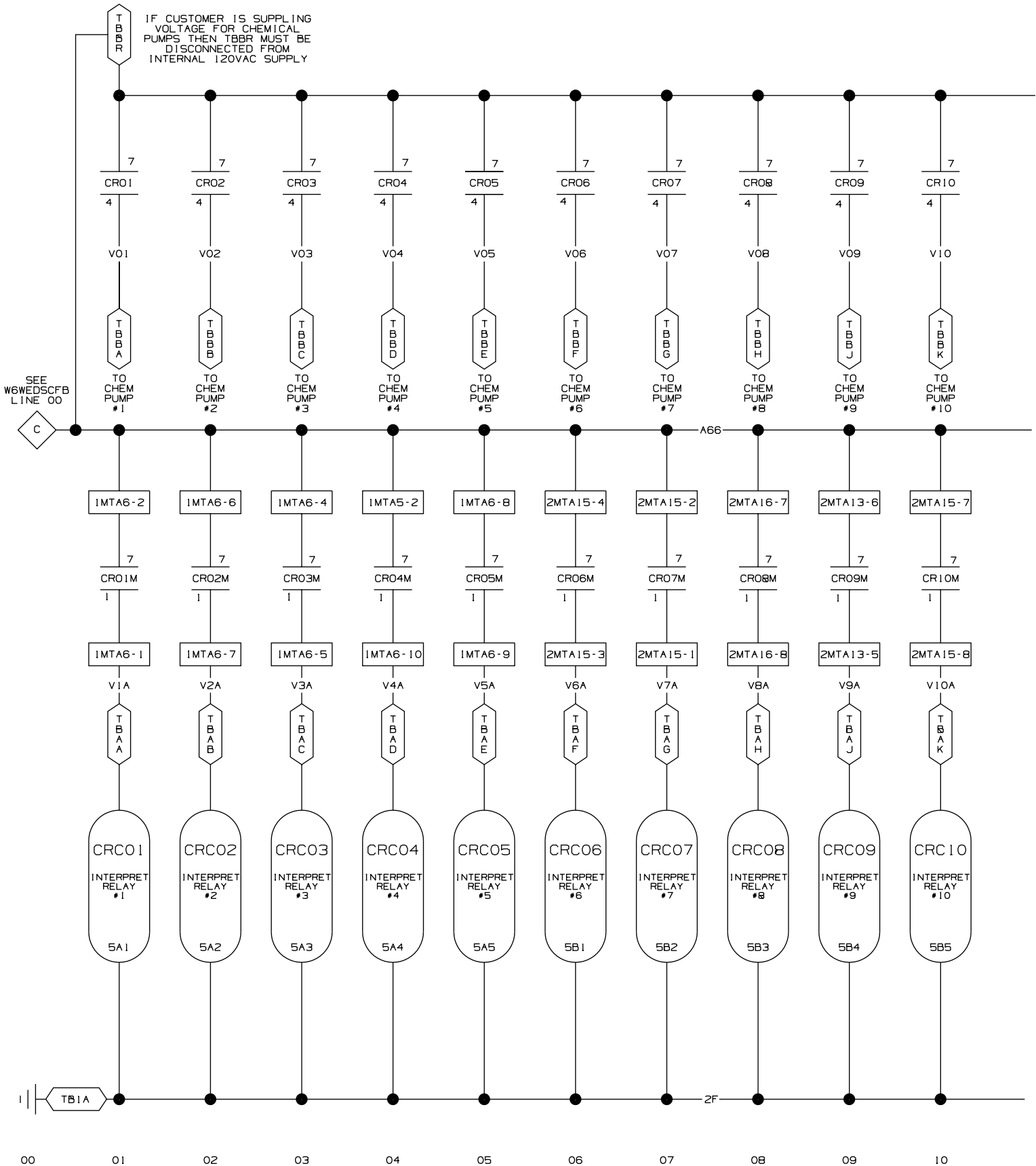
W6WEDSBWC  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: BOARD TO BOARD WIRING  
(SERIAL CONTROLS)  
PELLERIN MILNOR CORPORATION



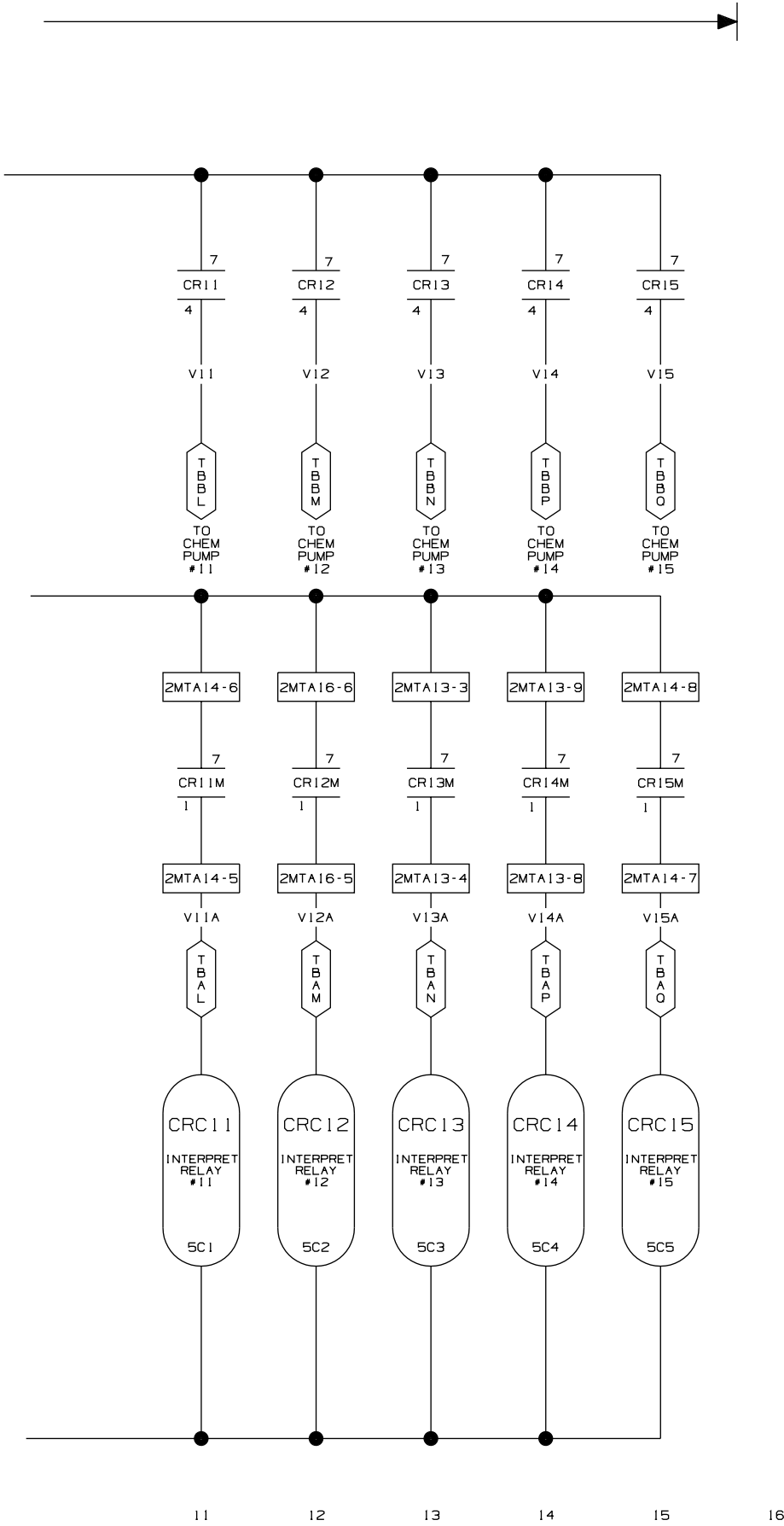
NOTES:

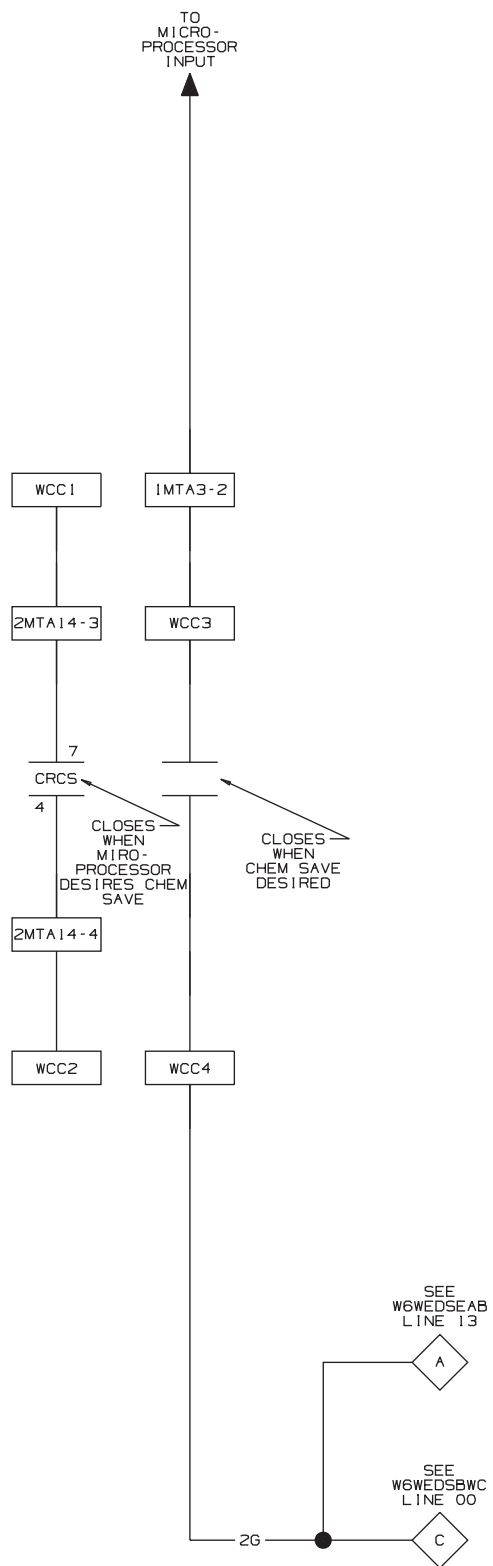
1. IMTA5, IMTA6 ARE LOCATED ON B10-1 (8 OUTPUT-16 INPUT)

W6WEDSCFB  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: FLUSHING SUPPLIES  
(SERIAL CONTROLS)  
110V1P50HZ/120V1P60HZ  
PELLERIN MILNOR CORPORATION



W6WEDSCPA  
MICRO 6 SYSTEMS  
SERIAL CONTROLS  
SCHEMATIC: LIQUID SUPPLY - INTERPRET RELAYS  
110V1P50HZ/120V1P60HZ  
PELLERIN MILNOR CORPORATION





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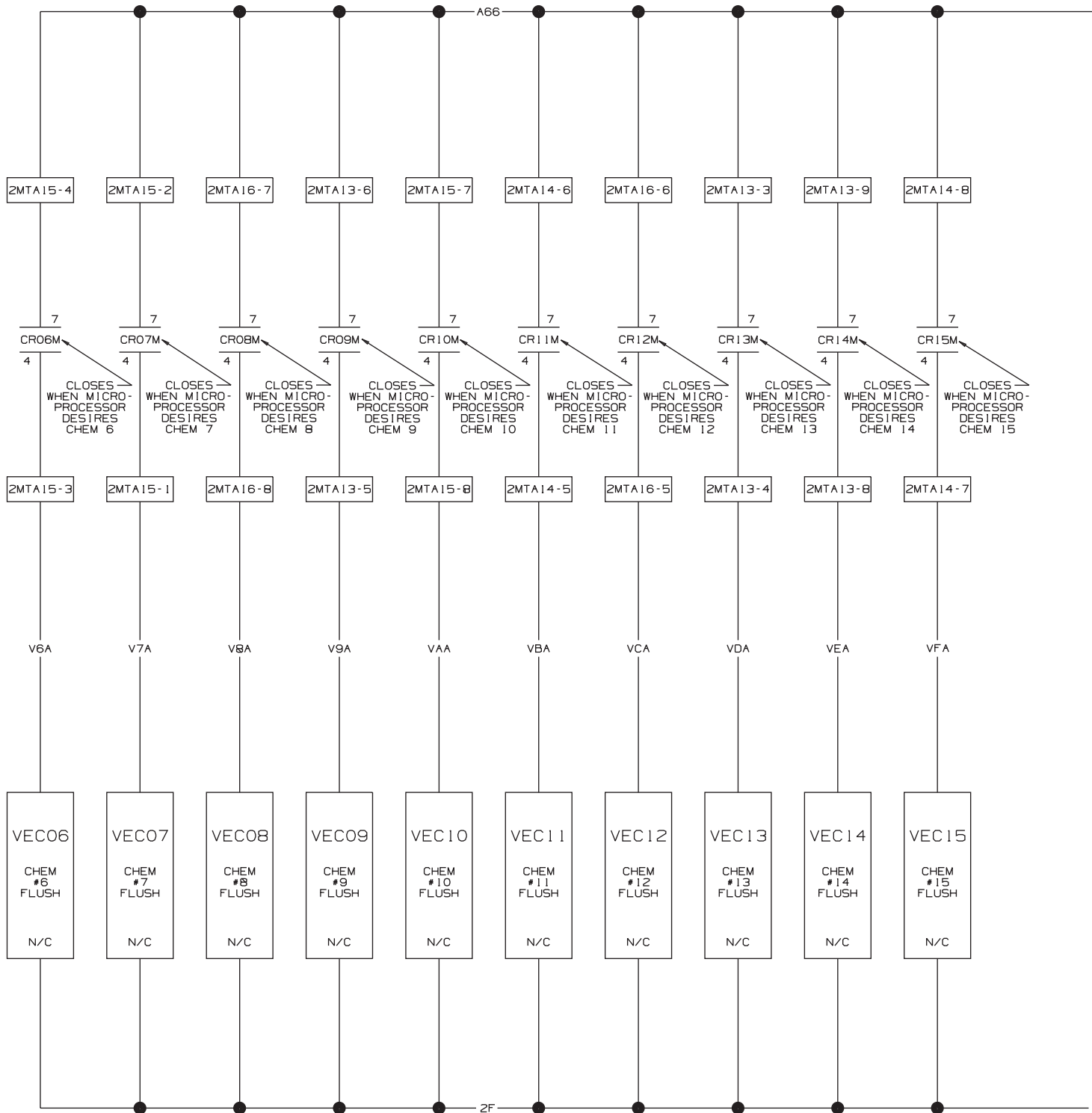
06

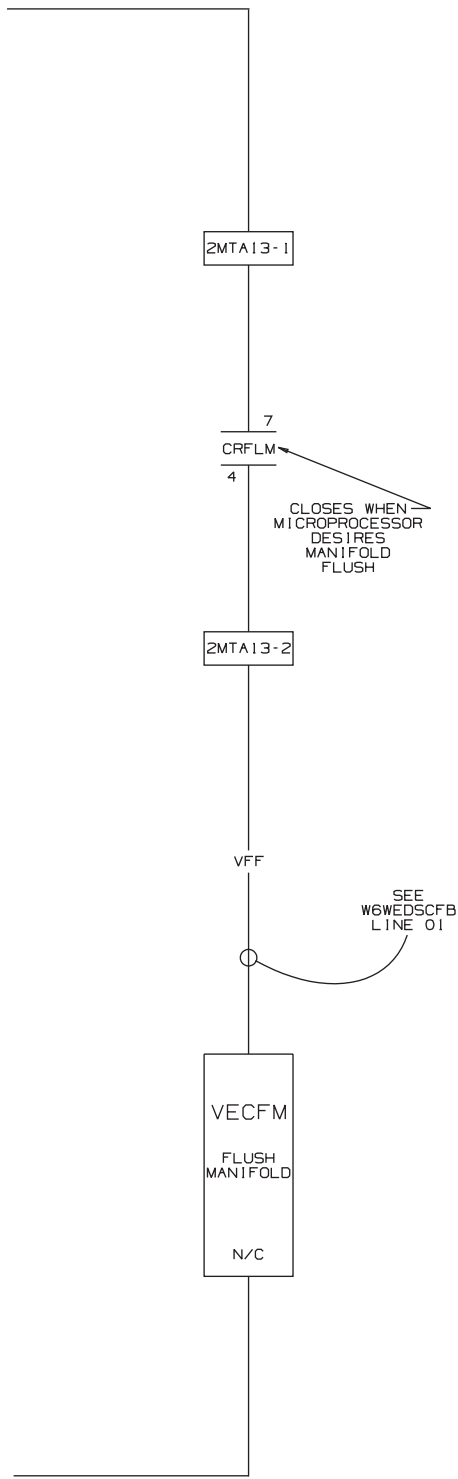
07

NOTES:

WCC IS LOCATED IN  
THE RIGHT CONTROL BOX

W6WEDSCSA  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: CHEMICAL SAVE (OPTIONAL)  
PELLERIN MILNOR CORPORATION



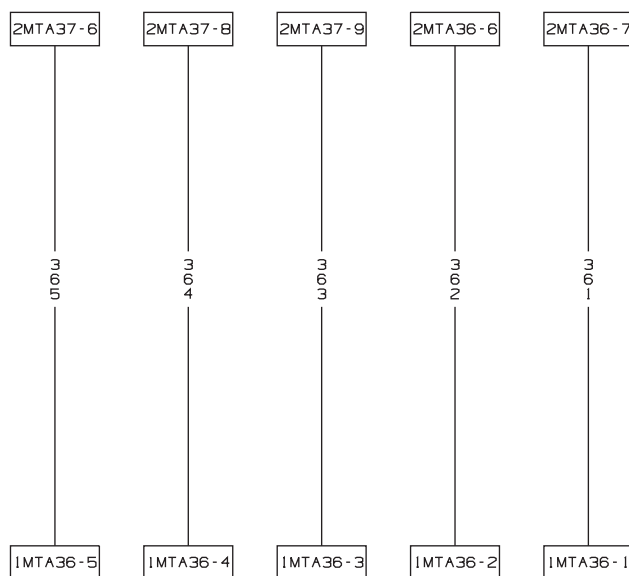
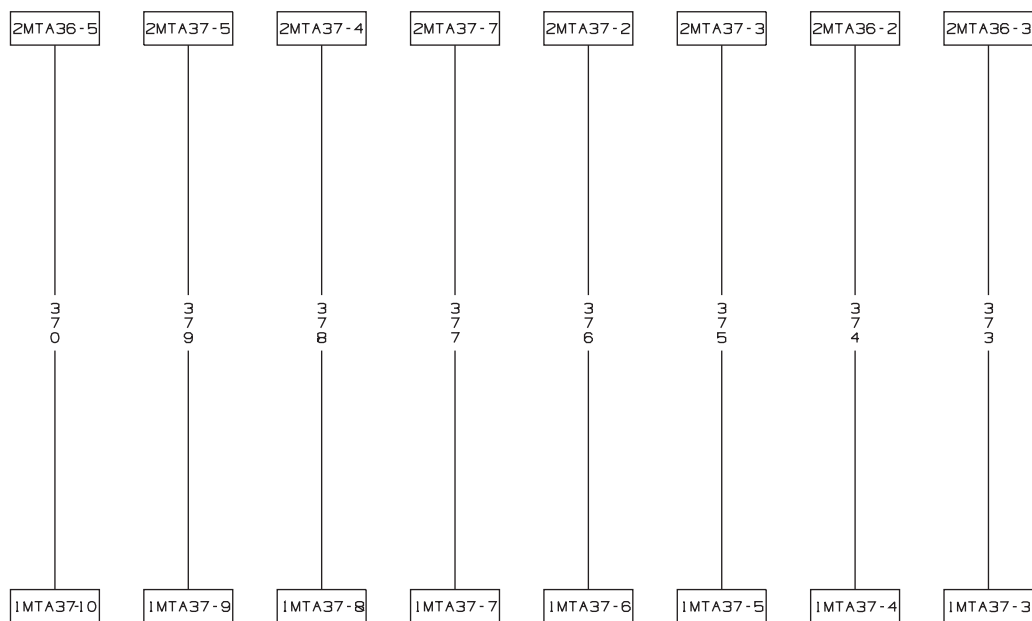


# W6WEDSCXA

MICRO 6 SYSTEMS  
SERIAL CONTROLS  
MARK II

SCHEMATIC: CENTRAL LIQUID SUPPLY FLUSH  
6 THRU 15

PELLERIN MILNOR CORPORATION



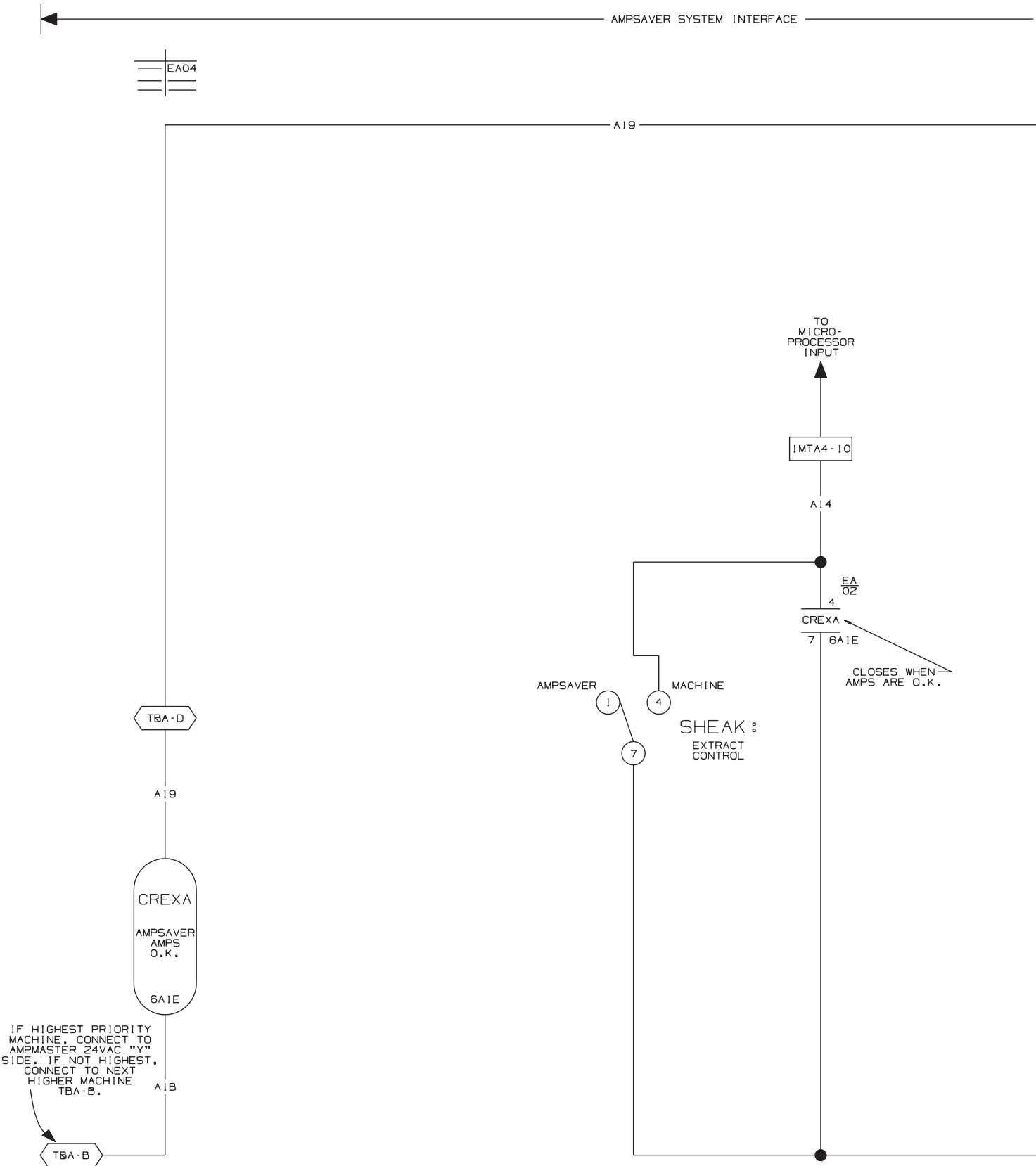
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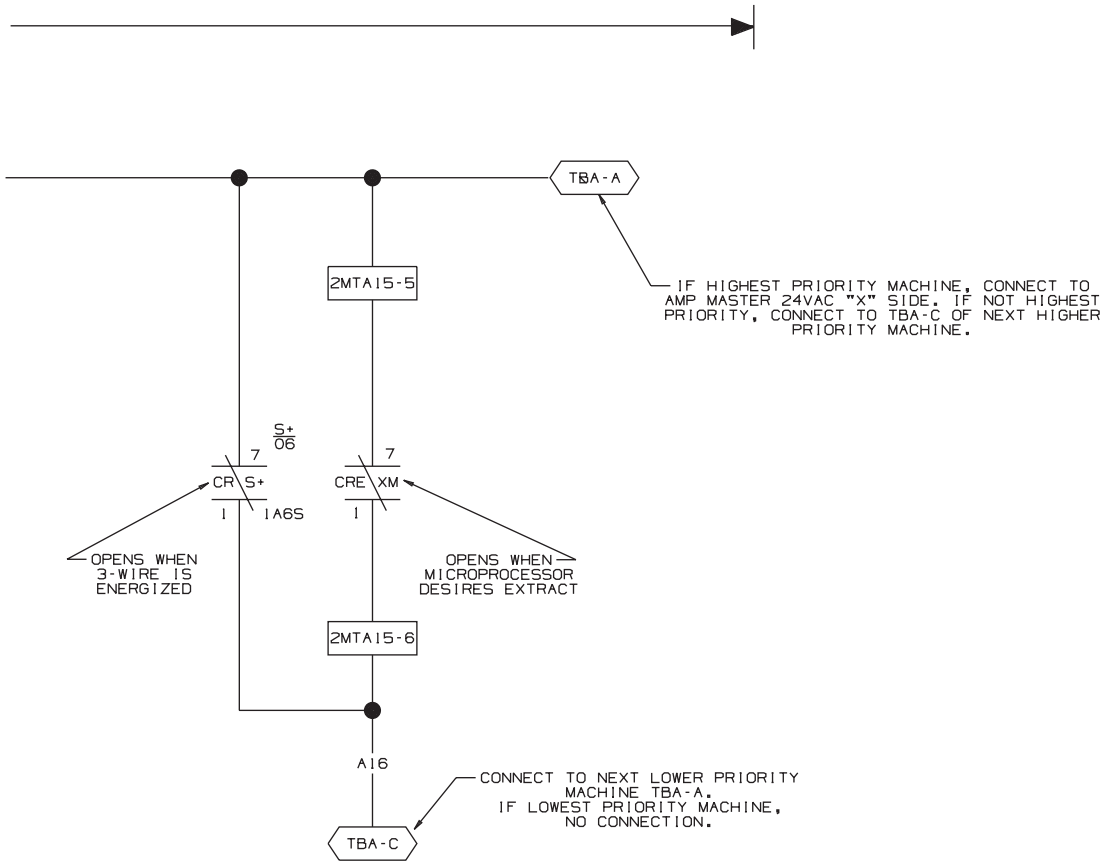
W6WEDSD  
MICRO 6 SYSTEMS  
SERIAL CONTROLS  
MARK II  
SCHEMATIC: DISPLAY  
PELLERIN MILNOR CORPORATION

NOTES:

1. 1MTA36, 1MTA37 ARE LOCATED ON  
BPB (PROCESSOR BOARD).
2. 2MTA36, 2MTA37 ARE LOCATED ON  
DISPLAY BOARD.



00 01 02 03 04 05 06 07 08 09 10



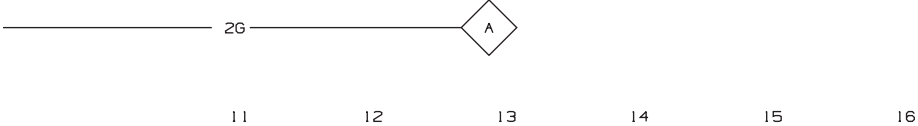
W6WEDSEAB  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: EXTRACT COMMANDS SATISFIED  
(SERIAL CONTROLS)

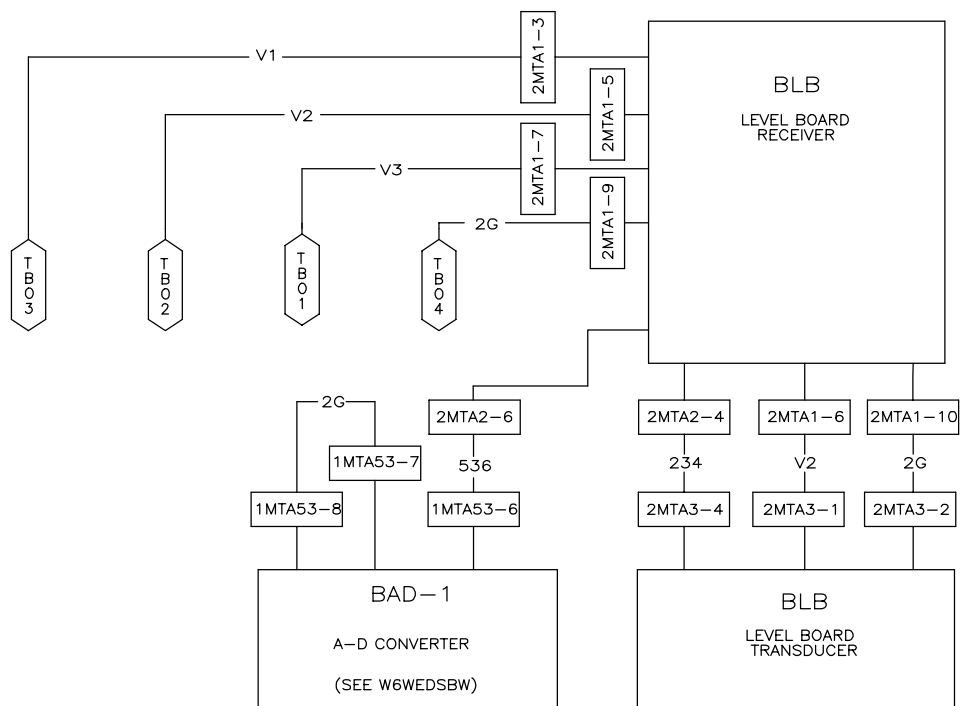
24V1P50HZ/24V1P60HZ  
PELLERIN MILNOR CORPORATION

NOTES:

1. TBA IS LOCATED IN THE RIGHT CONTROL BOX AND ALSO ON THE SIDE OF THE MACHINE IF IT IS A TILT MACHINE.
2. 1MTA4 IS LOCATED ON B10-1 (8 OUTPUT- 16 INPUT BOARD).
3. AMPSAVER INTERFACE (MARK 4, 5 AND MICRO 6).
4. 2MTA5 IS LOCATED ON B016-2 (16 OUTPUT BOARD).

SEE  
W6WEDSCSA  
LINE 04

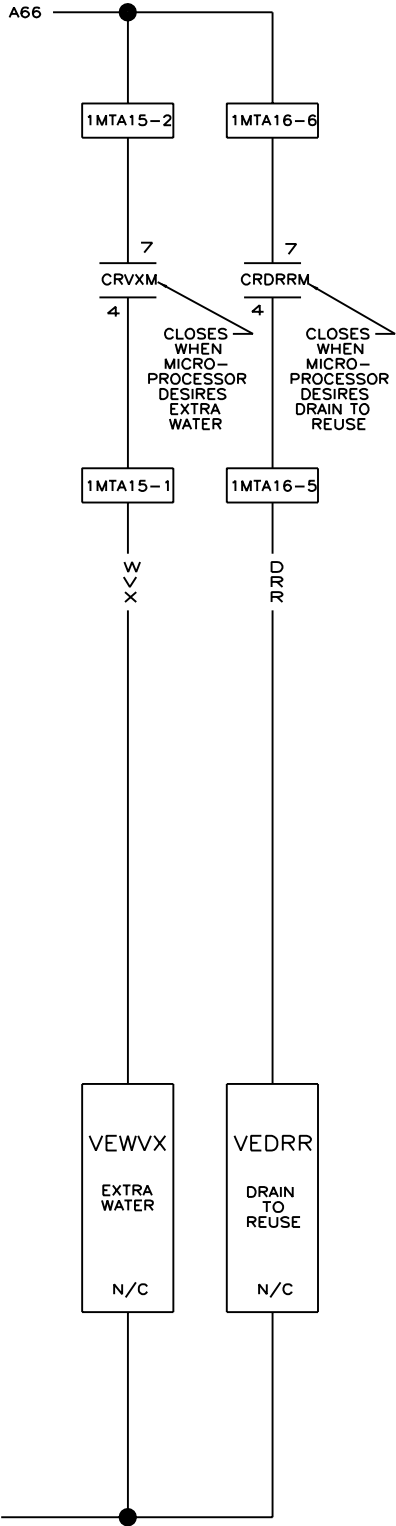
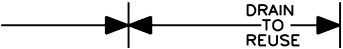




W6WEDSEC  
MICRO 6 SYSTEMS  
SERIAL CONTROLS  
SCHEMATIC: OPTIONAL ELECTRONIC LEVEL  
PELLERIN MILNOR CORPORATION

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

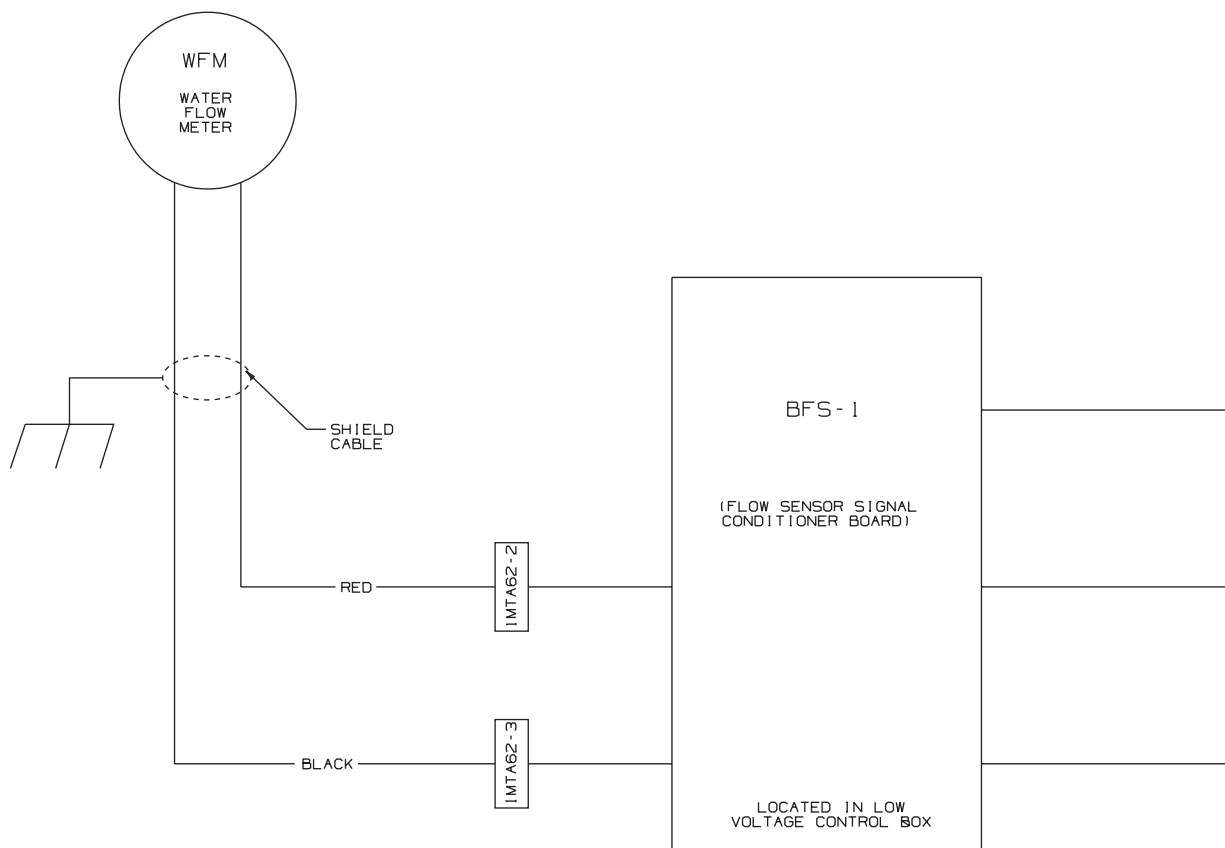




NOTES:

1. 1MTA14, 1MTA15, 1MTA16 ARE LOCATED ON BO16-1 (16 OUTPUT BOARD).
2. 1MTA5 IS LOCATED ON BIO-1 (8 OUTPUT-16 INPUT BOARD).
3. REMOVE (J1) FOR AUTOSPOT.

W6WEDSEVB  
MICRO 6 SYSTEMS  
MARKII  
SHCEMATIC: ELECTRICAL VALVES  
(SERIAL CONTROLS)  
110V1P50HZ/120V1P60HZ  
PELLERIN MILNOR CORPORATION



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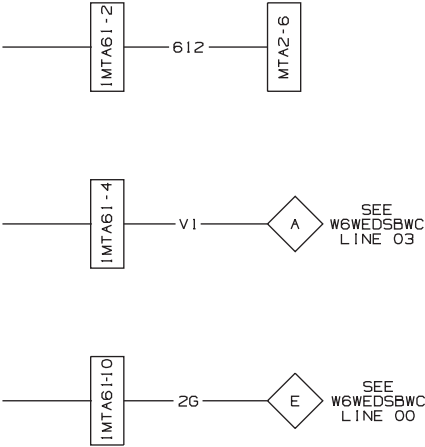
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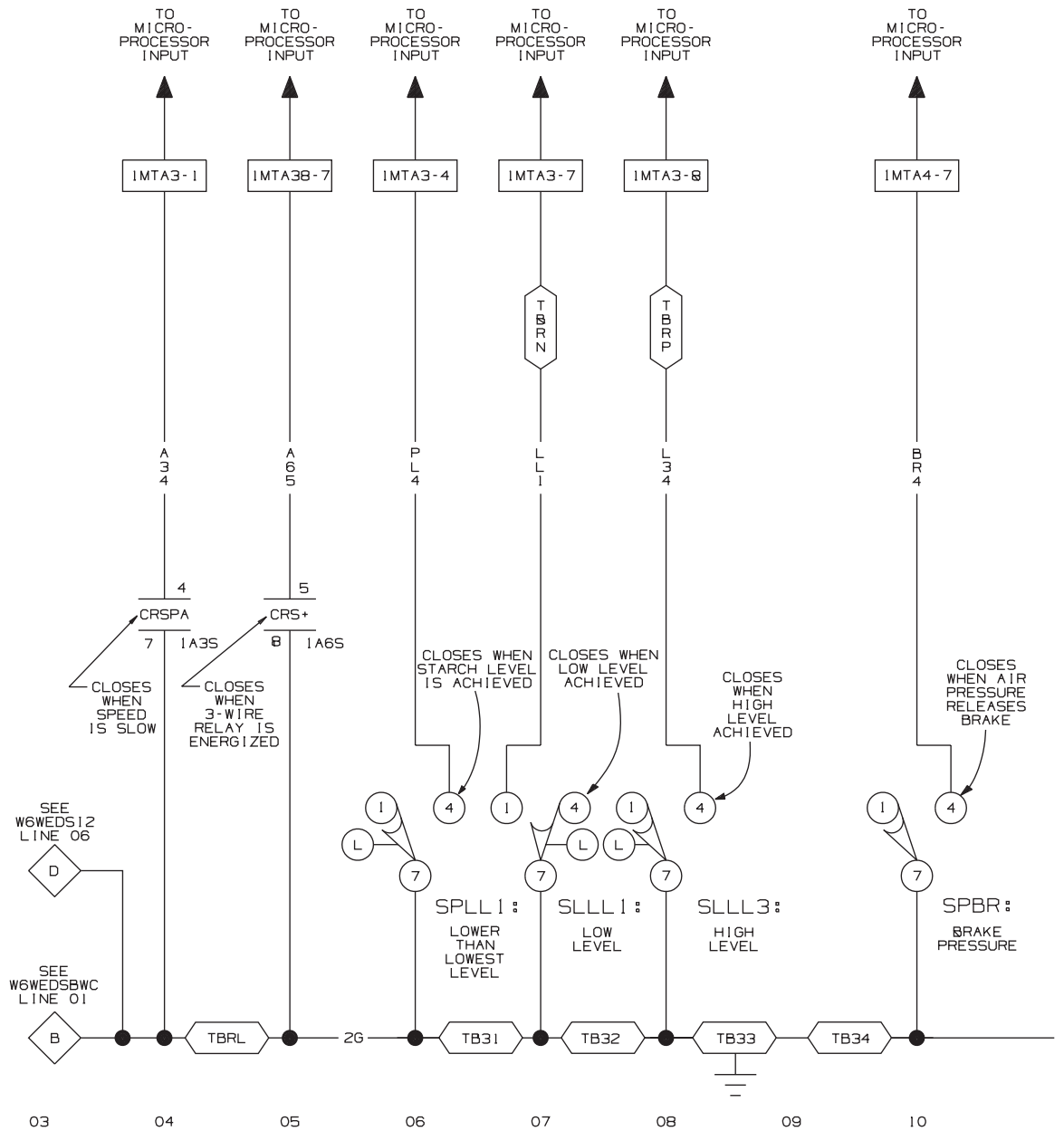
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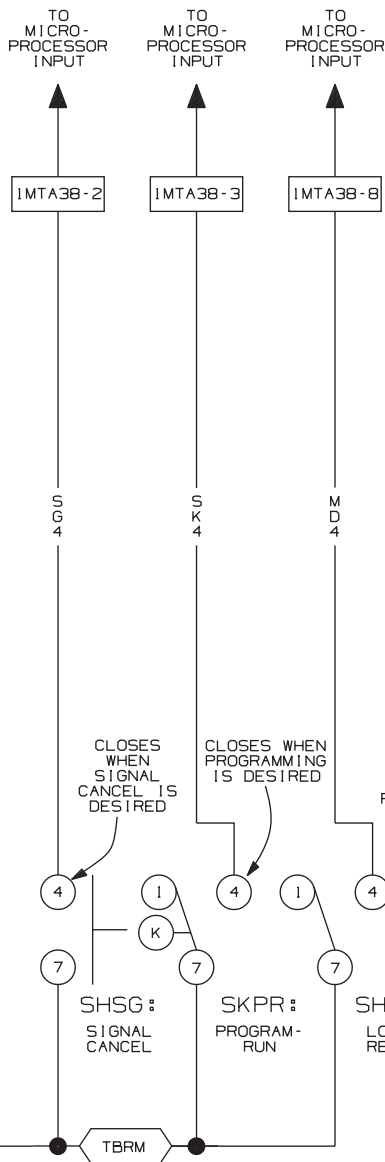
09



- NOTES:
- 1. MTA61, MTA62 ARE LOCATED ON BFS-1 (FLOW SENSOR SIGNAL CONDITIONER BOARD)
  - 2. IMTA2 IS LOCATED ON B10-1 (8 OUTPUT, 16INPUT BOARD)

W6WEDSFS  
MICRO 6 SYSTEMS  
SCHEMATIC: FLOW SENSOR (OPTIONAL)  
PELLERIN MILNOR CORPORATION





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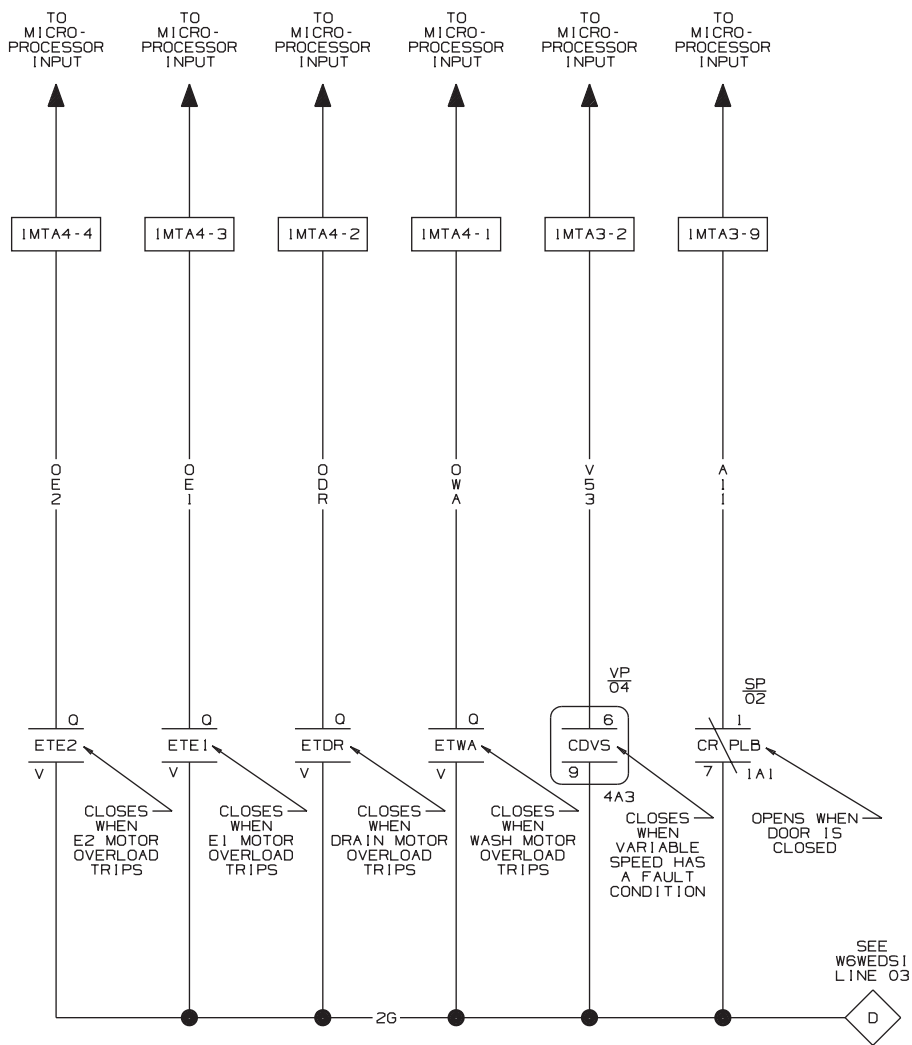
NOTES:

1. IMTA38 IS LOCATED ON BPB (PROCESSOR BOARD).
2. IMTA3, IMTA4 ARE LOCATED ON BIO-11(B OUTPUT-16 INPUT BOARD).
3. TBR ARE LOCATED IN THE RIGHT CONTROL BOX.

W6W2DS11  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: MICROPROCESSOR INPUTS  
(SERIAL CONTROLS)

PELLERIN MILNOR CORPORATION

W6WEDS11  
92501D

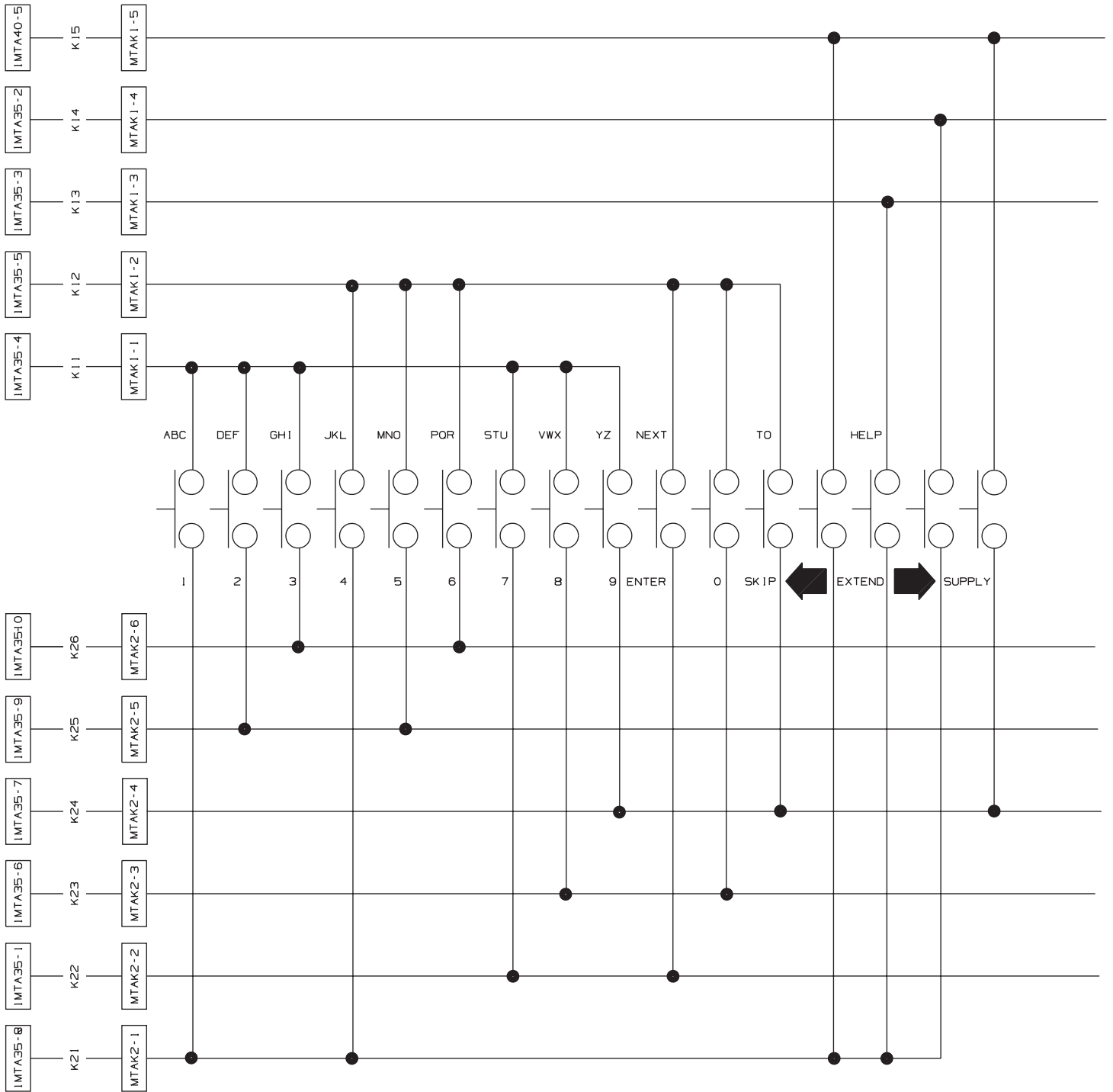


00 01 02 03 04 05 06 07 08 09 10

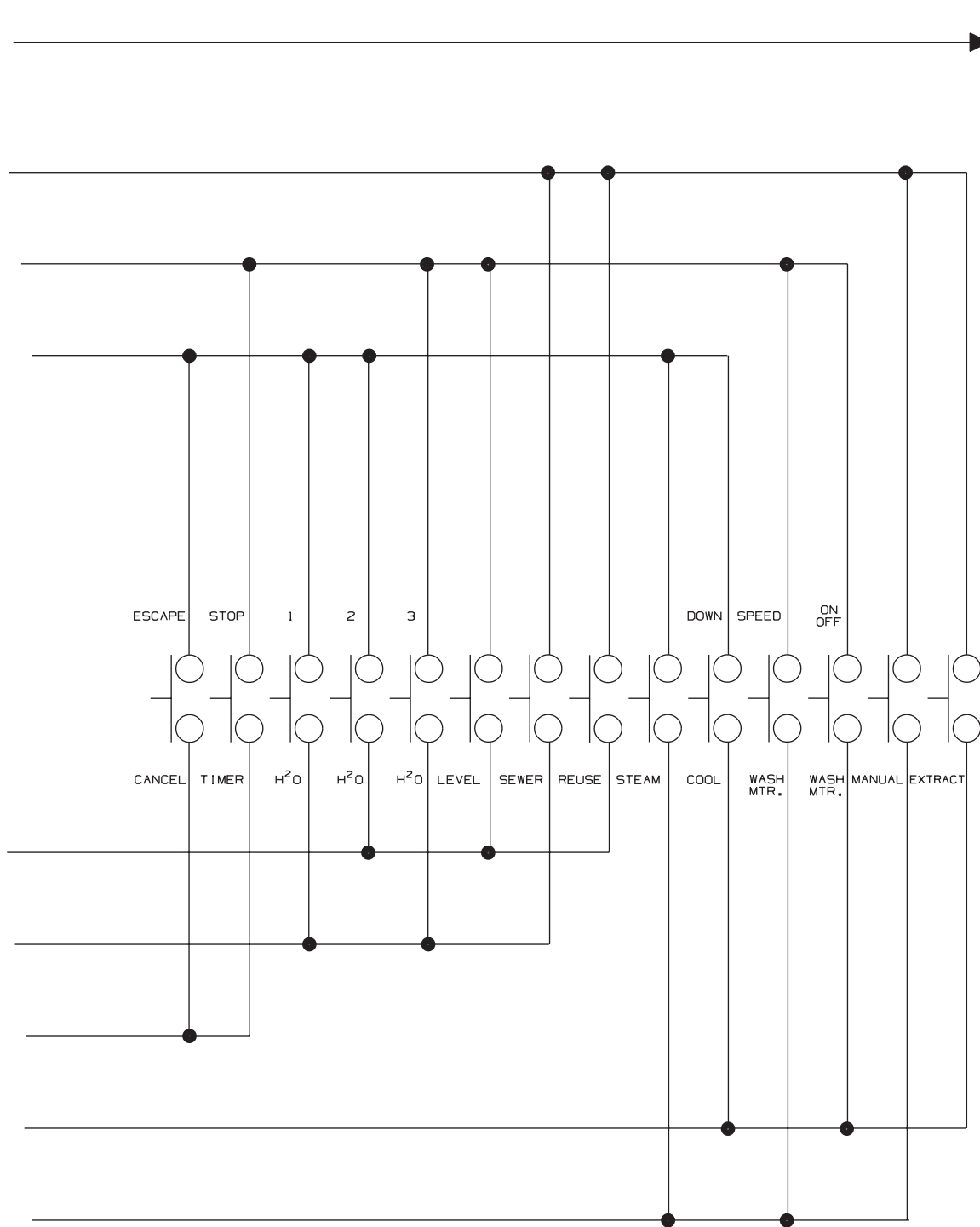
NOTES:

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

W6WEDS12  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: MICROPROCESSOR INPUTS  
PELLERIN MILNOR CORPORATION



LITHO IN U.S.A.



NOTES:

1. MTAK1 & MTAK2 ARE LOCATED ON KEYPAD.
2. 1MTA35 & 1MTA40 ARE LOCATED ON BPB (PROCESSOR BOARD).

W6WEDSKP  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: KEYPAD (SERIAL CONTROLS)  
PELLERIN MILNOR CORPORATION

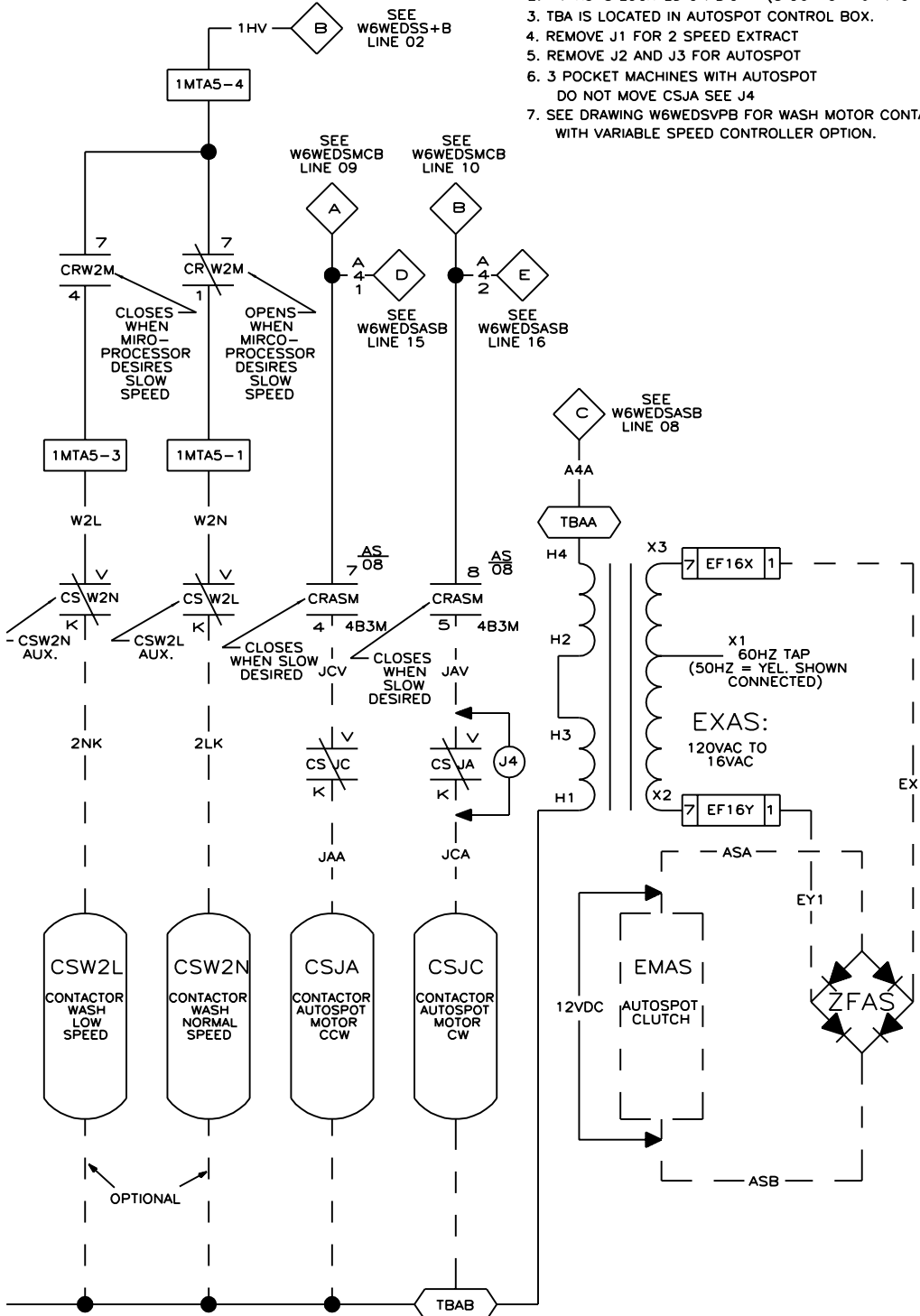
11 12 13 14 15 16 17 18 19



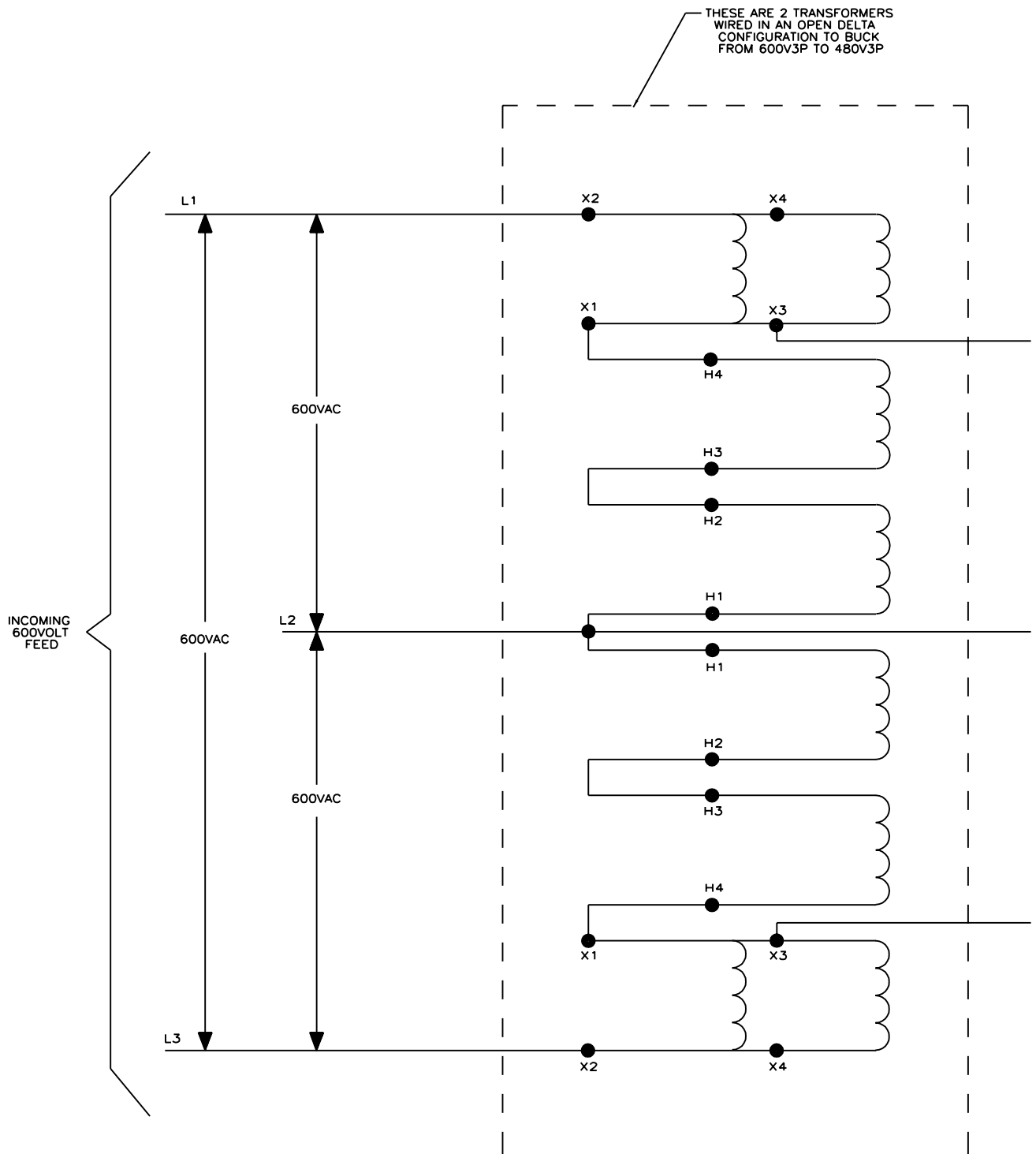


NOTES:

1. 1MTA13, 1MTA14 ARE LOCATED ON BO16-1(16 OUTPUT BOARD)
2. 1MTA5 IS LOCATED ON BIO-1 (8 OUTPUT 16 INPUT BOARD)
3. TBA IS LOCATED IN AUTOSPOT CONTROL BOX.
4. REMOVE J1 FOR 2 SPEED EXTRACT
5. REMOVE J2 AND J3 FOR AUTOSPOT
6. 3 POCKET MACHINES WITH AUTOSPOT  
DO NOT MOVE CSJA SEE J4
7. SEE DRAWING W6WEDSVPB FOR WASH MOTOR CONTACTOR  
WITH VARIABLE SPEED CONTROLLER OPTION.

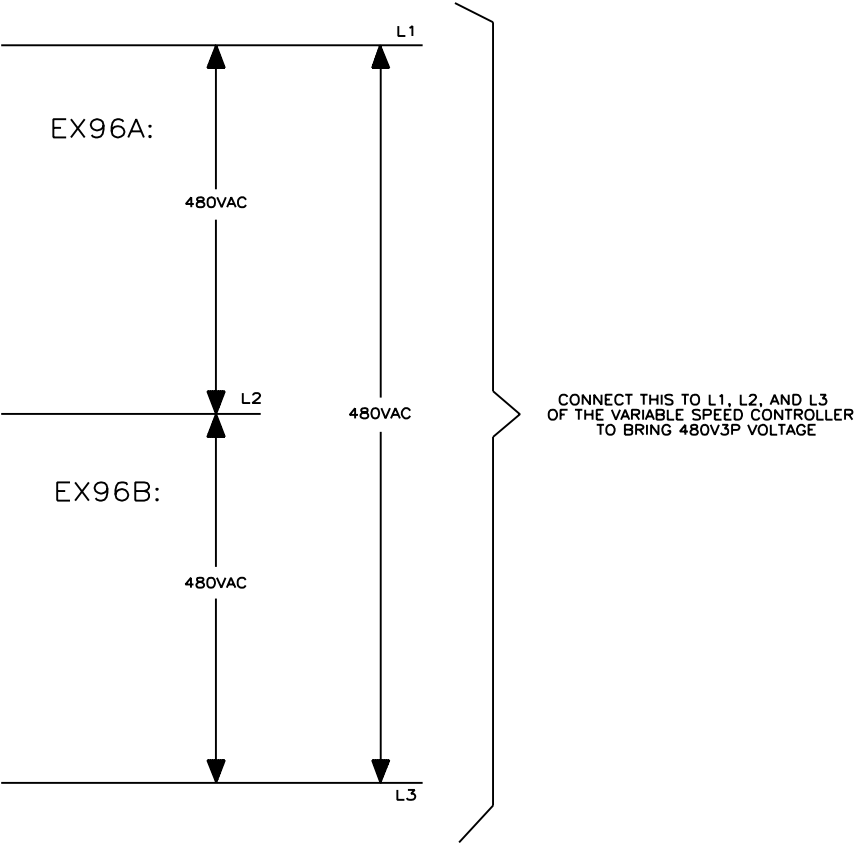


W6WEDSMCB  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: DRIVE MOTOR CONTACTORS  
(SERIAL CONTROLS)  
110V1P50HZ/120V1P60HZ  
PELLERIN MILNOR CORPORATION

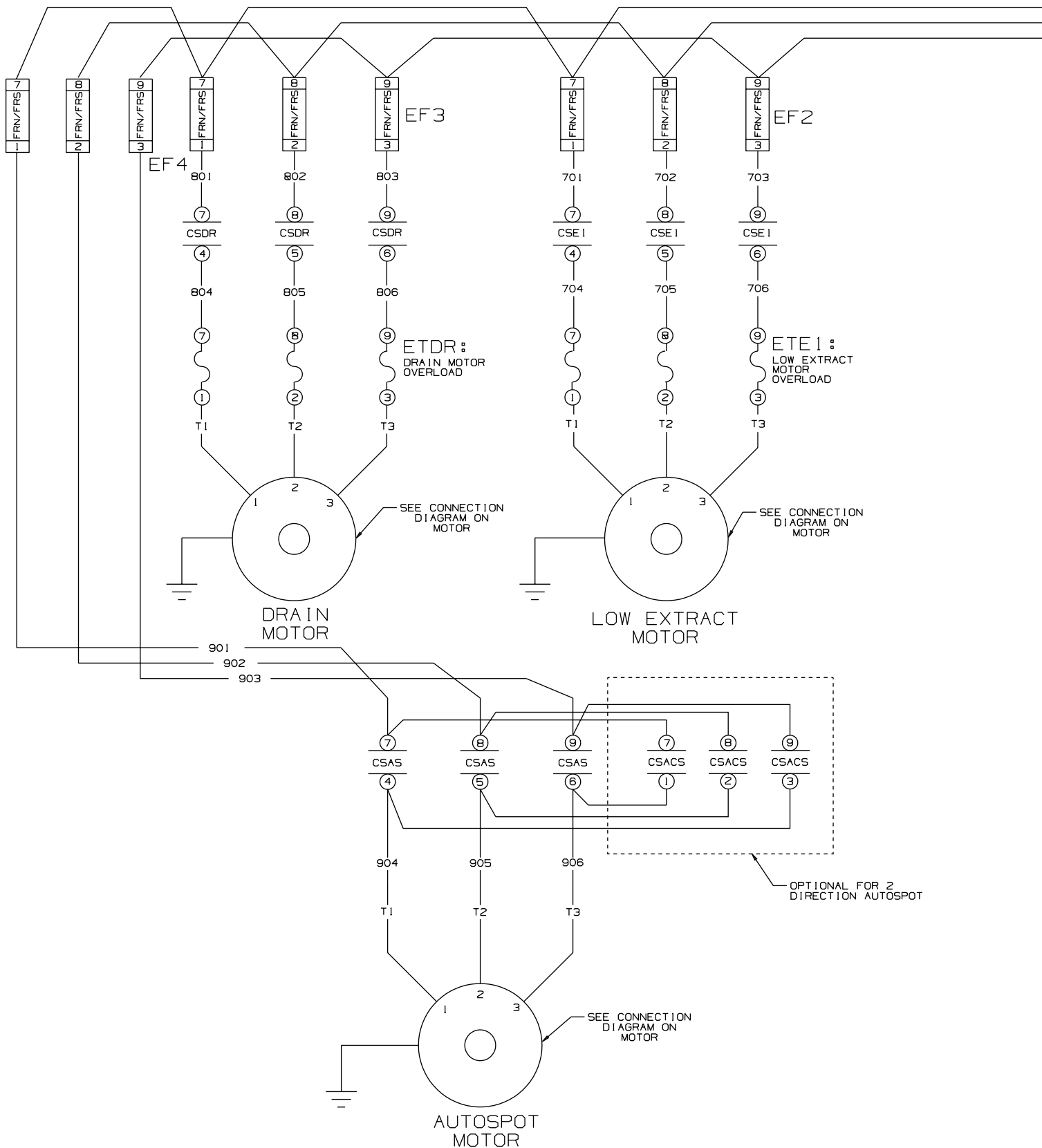


00 01 02 03 04 05 06 07 08 09 10

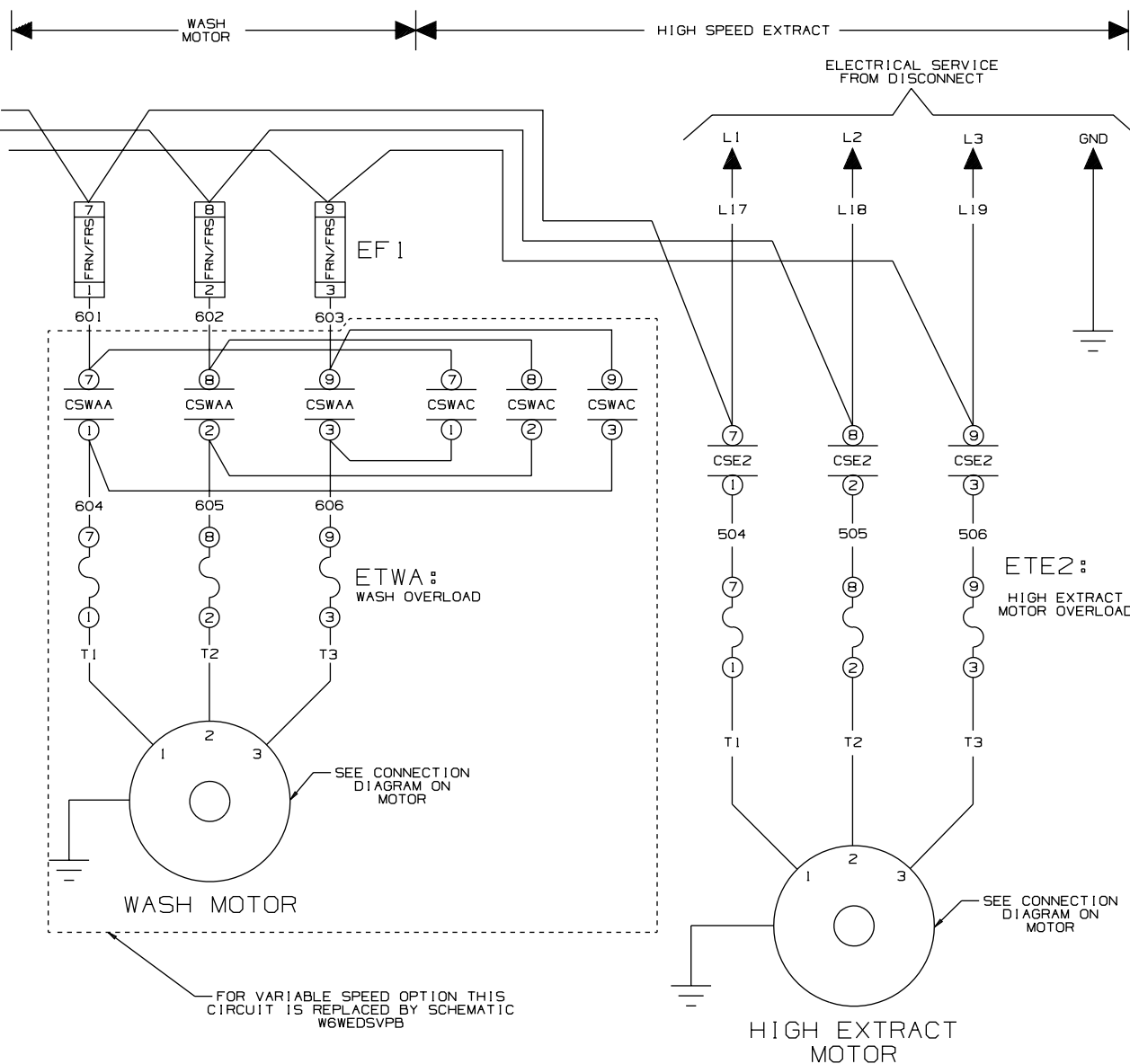
| INPUT (SUPPLY SYSTEM) | DESIRED OUTPUT CONNECTION |            |
|-----------------------|---------------------------|------------|
| DELTA 3 WIRE          | WYE 3 OR 4 WIRE           | DO NOT USE |
| OPEN DELTA 3 WIRE     | WYE 3 OR 4 WIRE           | DO NOT USE |
| WYE 3 OR 4 WIRE       | CLOSED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



W6WEDSMT6  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: 600V VARIABLE SPEED  
PELLERIN MILNOR CORPORATION



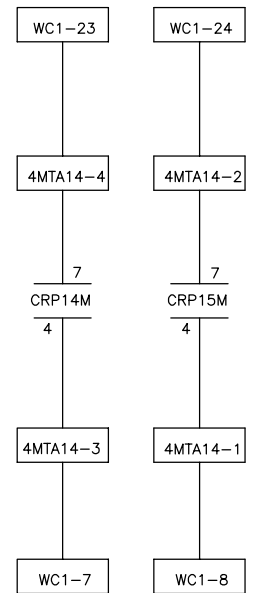
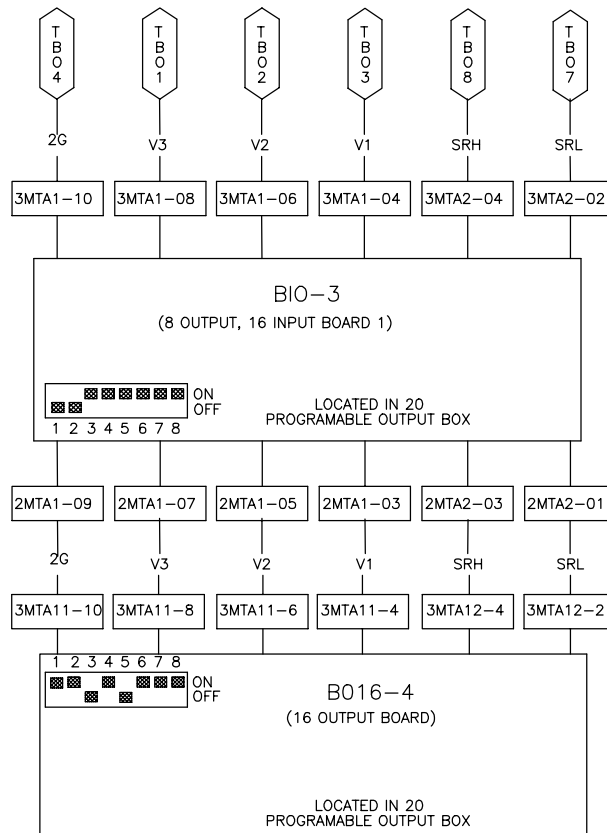
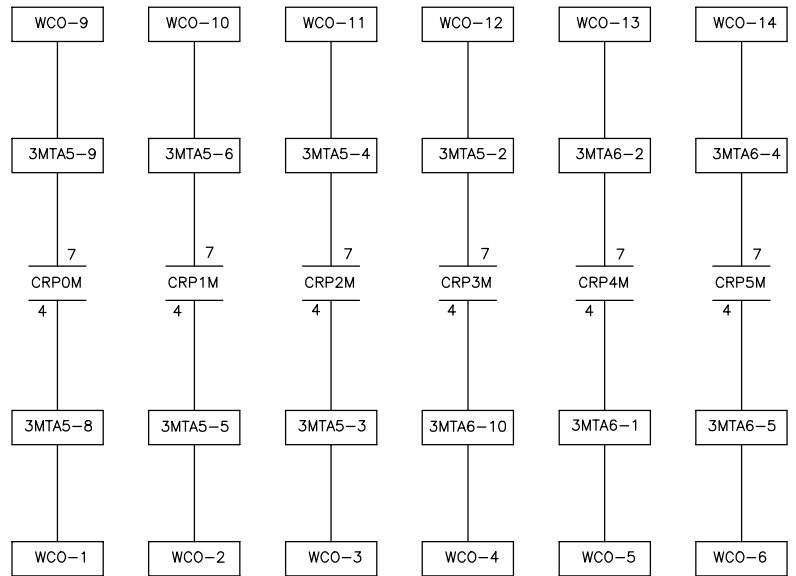
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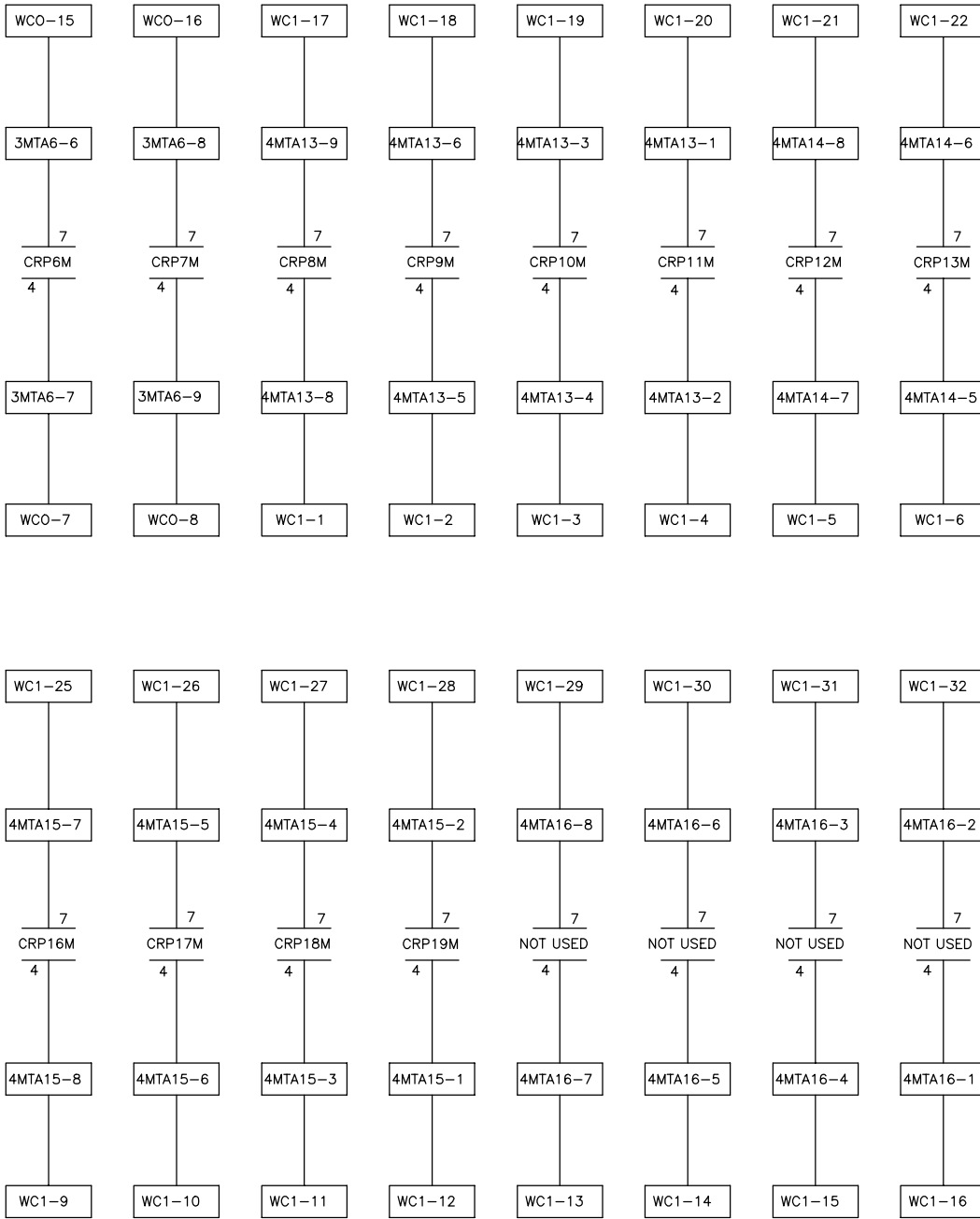


**NOTE:**

1. THE FUSING SHOWN ON THIS DRAWING WILL VARY BASED ON VOLTAGE AND MACHINE SIZE. CHECK MACHINE NAMEPLATE FOR ACTUAL FUSING OF MOTORS.

**W6WEDSMTA**  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC:M6 DIV. CYL. CONNECTIONS  
(SERIAL CONTROLS)  
PELLERIN MILNOR CORPORATION



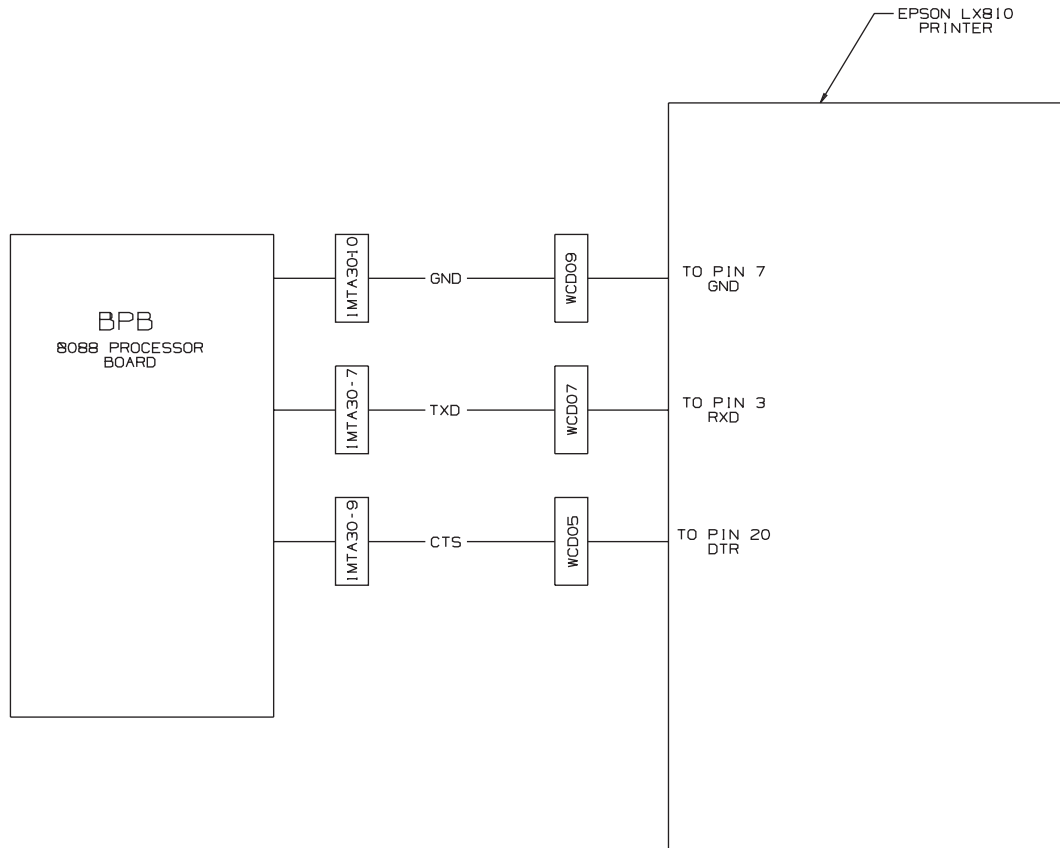


# W6WEDSOP

## MICRO 6 SYSTEMS SERIAL CONTROLS

### SCHEMATIC: 20 OPTIONAL PROGRAMMABLE OUTPUTS

PELLERIN MILNOR CORPORATION



SETTING FOR EPSON LX810  
SERIAL INTERFACE BOARD  
(#8143).

9600BAUD-8 BIT WORD LENGTH  
EVEN PARITY 1 STOP BIT PARITY  
CHECK ENABLED.

DIP SWITCH JUMPER SETTING

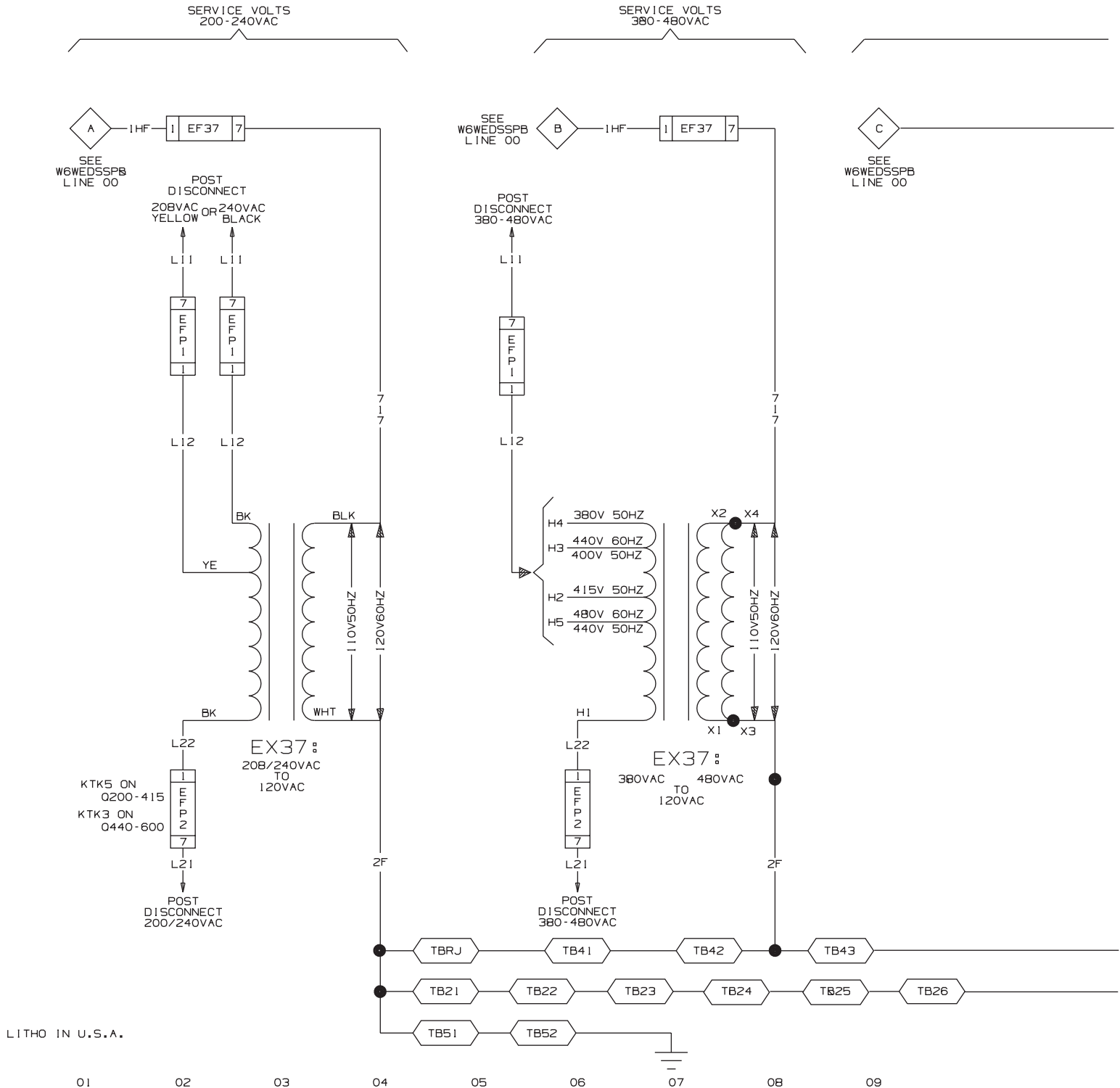
|   |     |
|---|-----|
| 1 | ON  |
| 2 | OFF |
| 3 | OFF |
| 4 | OFF |
| 5 | ON  |
| 6 | ON  |
| 7 | OFF |
| 8 | ON  |

J1 : OFF  
J2 : OFF  
J3 : OFF  
J4 : OFF  
J5 : ON  
JRS : ON  
JC : OFF  
JNOR : ON  
JREV : OFF  
JF : ON  
JX : OFF

NOTES:

WCD IS LOCATED  
ON PROCESSOR BOX  
DOOR.

# CONTROL CIRCUIT POWER



LITHO IN U.S.A.

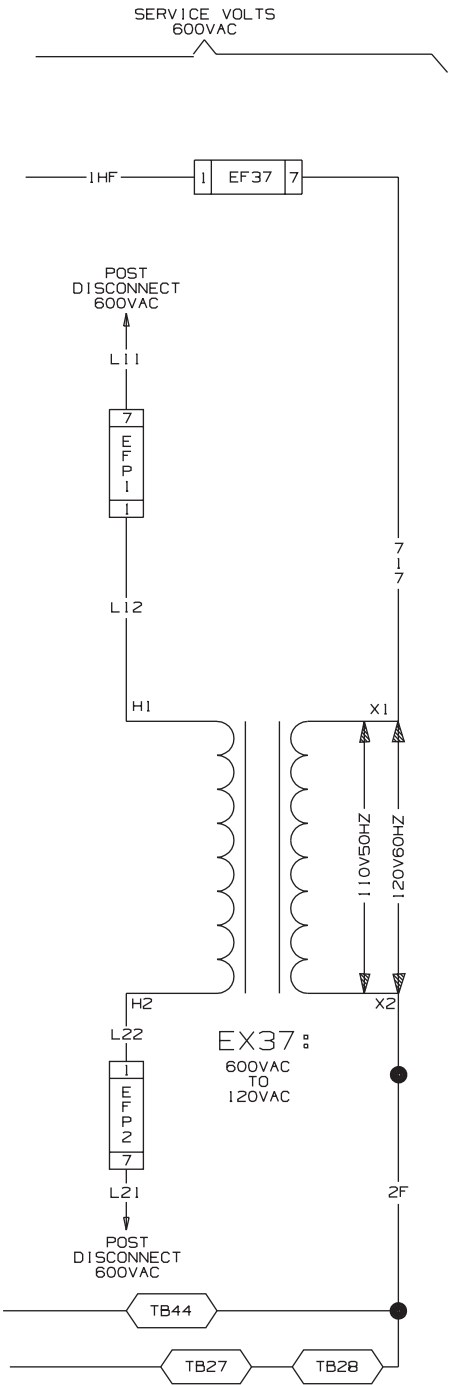
00 01 02 03 04 05 06 07 08 09

SCHEMATIC: SOURCE 110V1P50HZ/120V1P60HZ  
CONTROL CIRCUIT POWER

PELLERIN MILNOR CORPORATION

W6WEDSPSB

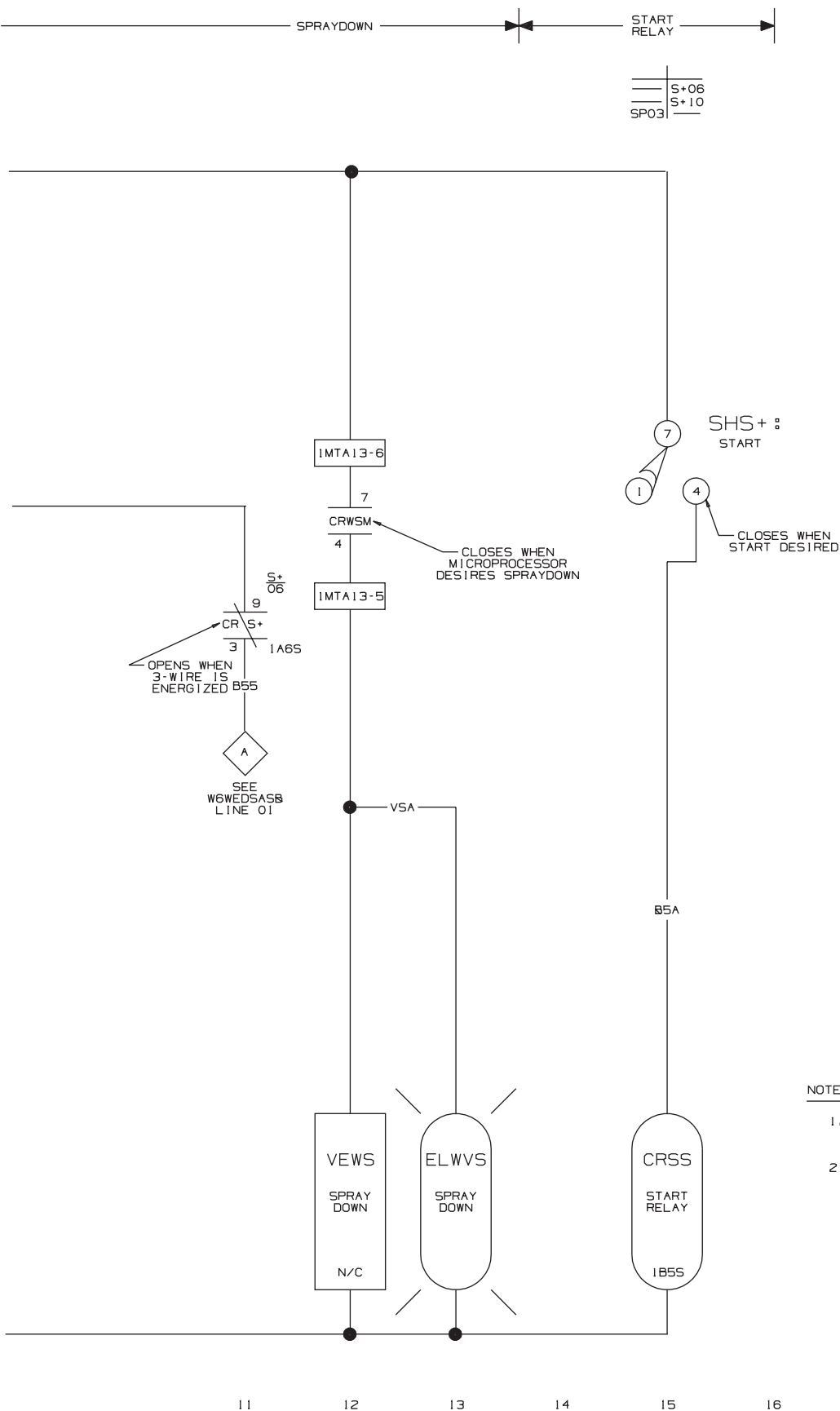
MICRO 6 SYSTEMS  
SERIAL CONTROLS  
MARK II



NOTES:

1. TBR AND TB4 (COPPER BUS BAR)  
ARE LOCATED IN THE LOW VOLTAGE  
CONTROL BOX.
2. TB2 AND TB5 (COPPER BUS BAR)  
ARE LOCATED IN THE HIGH VOLTAGE  
CONTROL BOX.

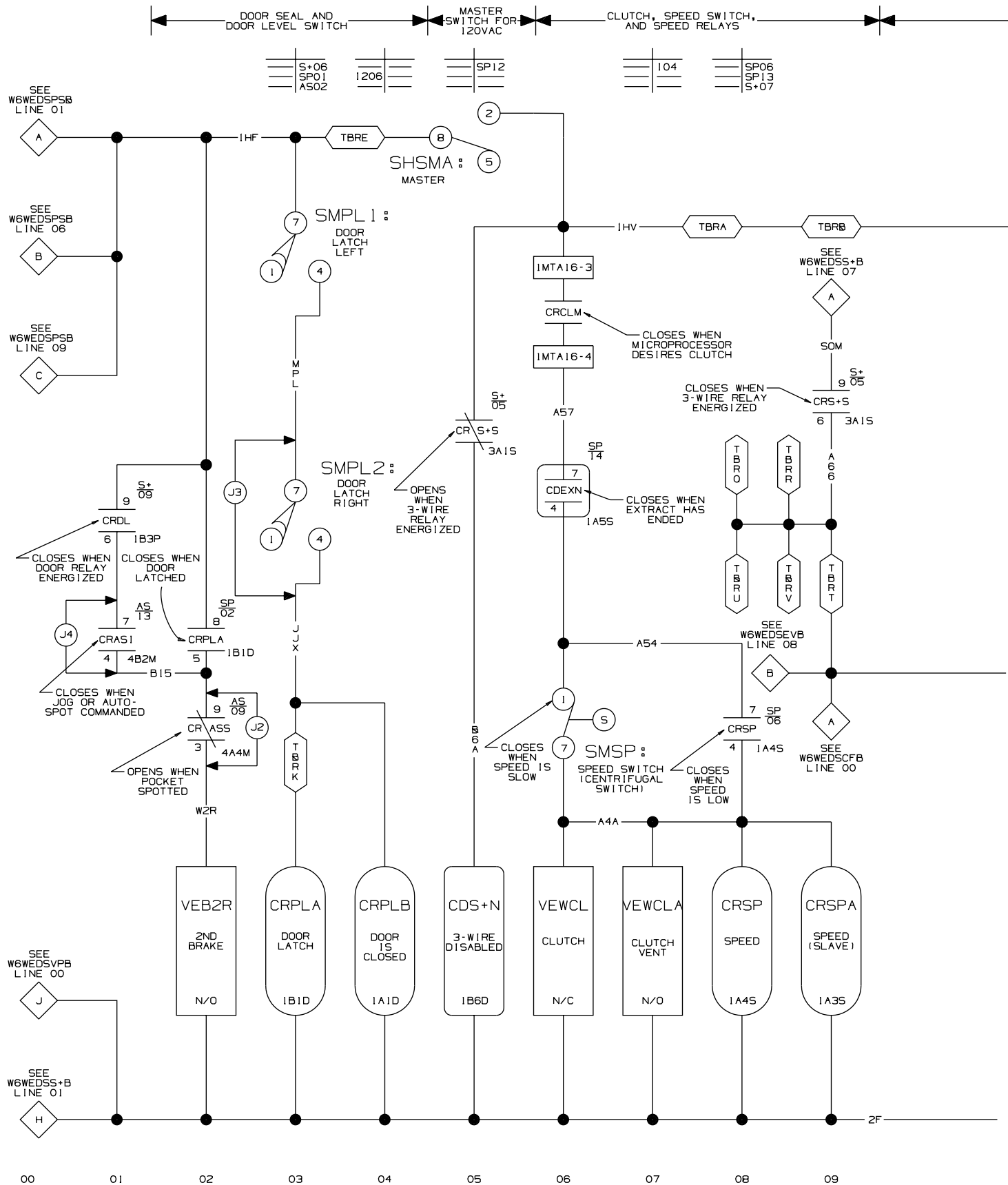


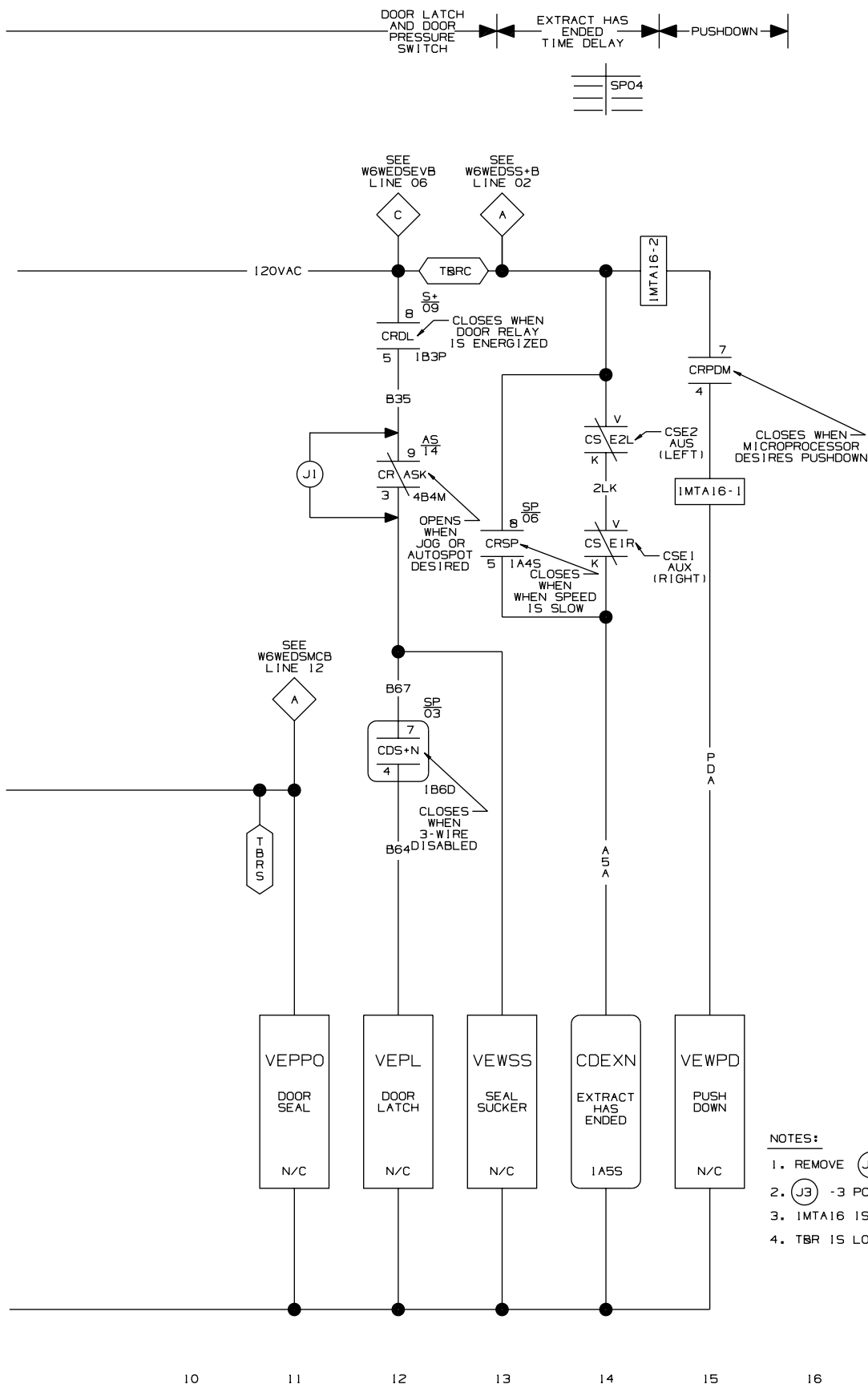


W6WEDSS+B  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: START CIRCUIT  
(SERIAL CONTROLS)  
110V1P50HZ/120V1P60HZ  
PELLERIN MILNOR CORPORATION

NOTES:

1. IMTA13, IMTA14 ARE LOCATED ON BO16-1(16 OUTPUT BOARD)
2. REMOVE (J5) FOR MACHINES WITH VARIABLE SPEED OPTION



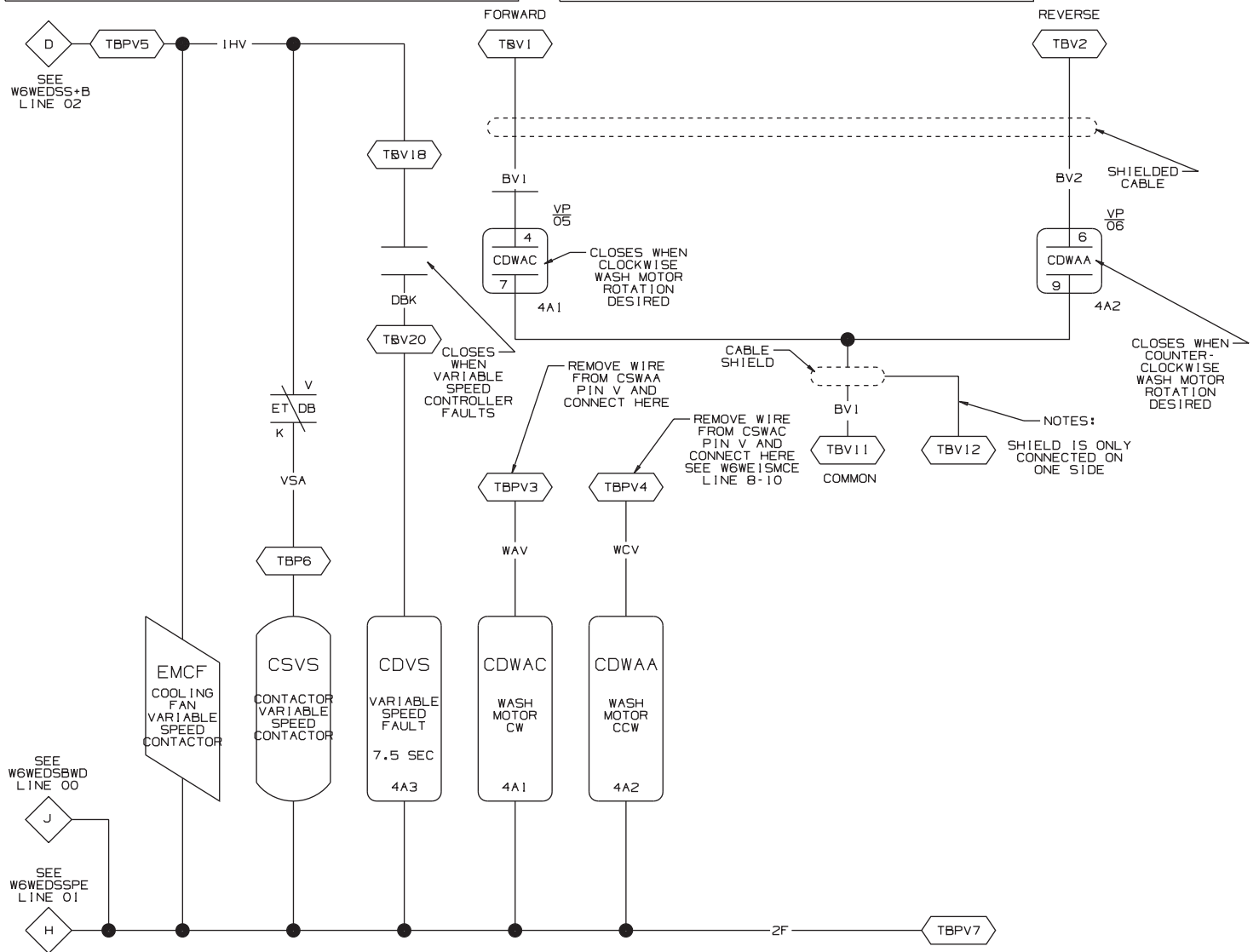
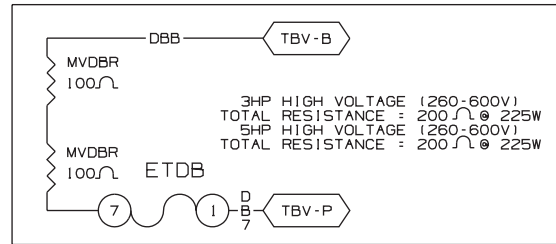
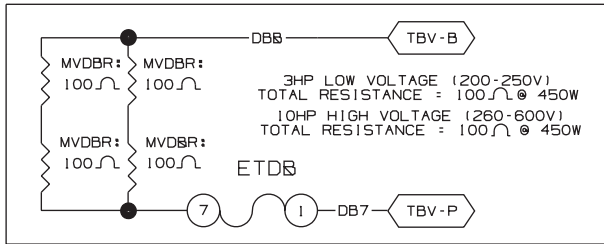
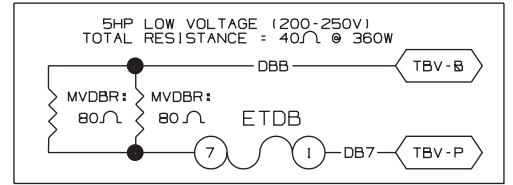
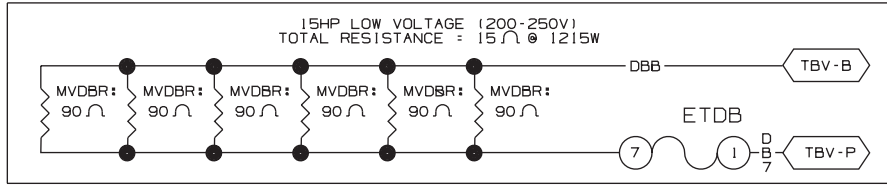
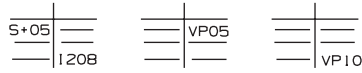


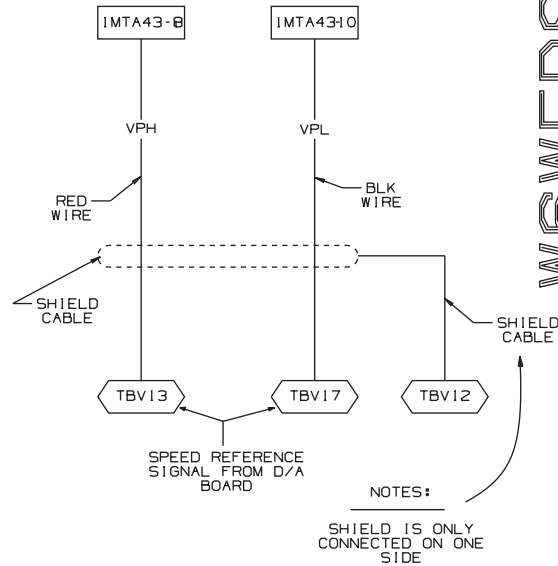
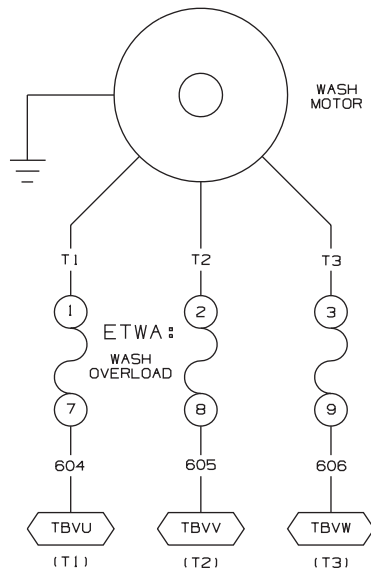
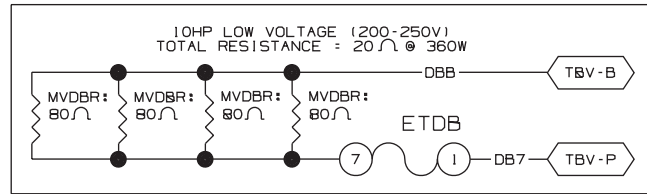
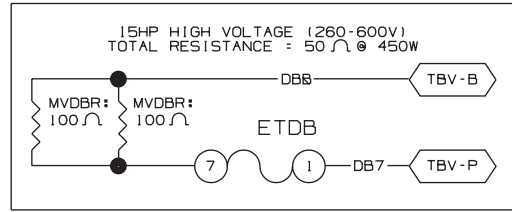
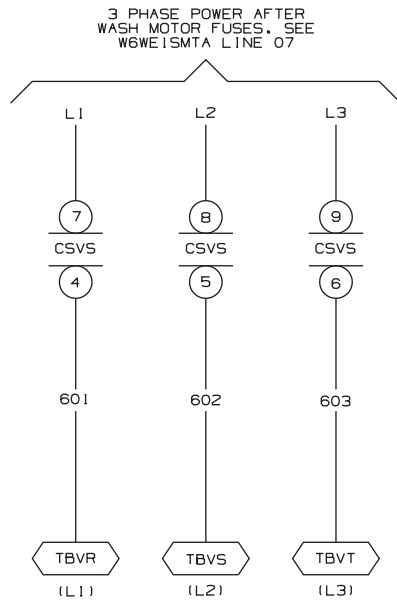
W6WEDSSPB  
MICRO 6 SYSTEMS  
MARK II  
SCHEMATIC: SPEED, DOOR CIRCUITS, &  
MASTER SWITCH (SERIAL CONTROLS)

110V1P50HZ/120V1P60HZ  
PELLERIN MILNOR CORPORATION

NOTES:

1. REMOVE (J1), (J2) AND (J4) IF AUTOSPOT
2. (J3) -3 POCKET MACHINES DO NOT HAVE SML2
3. IMTA16 IS LOCATED ON B016-1 (16 OUTPUT BOARD)
4. TBRS IS LOCATED IN LOW VOLTAGE CONTROL BOX





NOTES:

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

W6WEDSVPB

MARK II

SCHEMATIC: OPTIONAL VARIABLE SPEED CONTROLLER

PELLERIN MILNOR CORPORATION



## HOW TO USE THE SIGNAL ROUTING TABLE

**APPLICABILITY:** Machines with serial type microprocessor controllers.

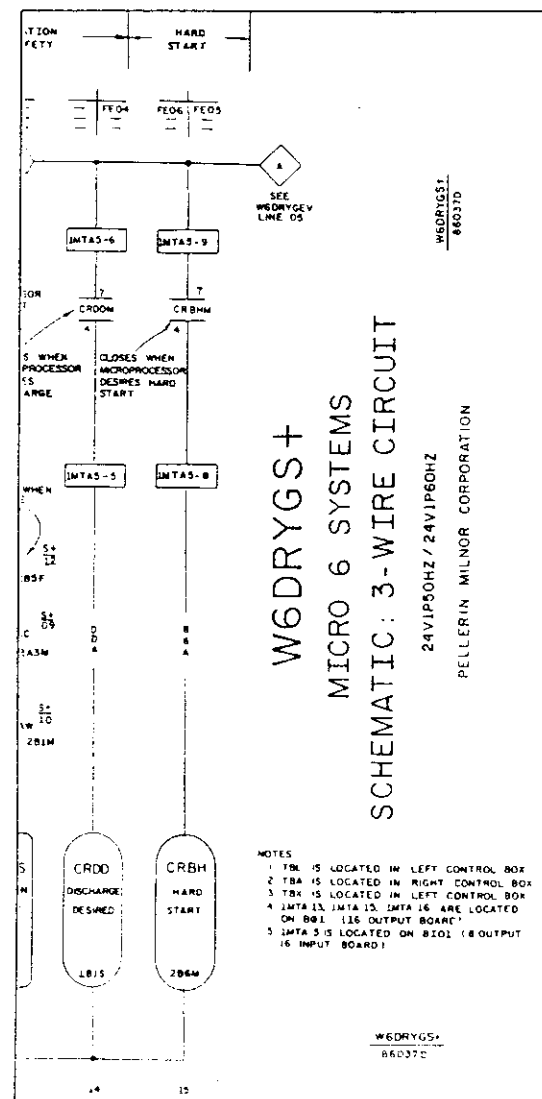
**SCOPE:** Purpose for, how to read table.

The signal routing table supplements the schematic set provided with your machine and aids in troubleshooting. While the schematics depict each electrical circuit conceptually, they do not show all of the wires and connectors in the circuit. For example, the portion of the schematic W6DRYGS+ shown below, shows a circuit "B6A". From the schematic, it can be determined that this circuit causes the hard start relay to energize (CRBH) when output relay CRBHM is energized. However, the schematic does not identify intermediate connections between these two components. By referring to the signal routing table, any such connection points may be determined and located on your machine. (See portion of Signal Routing Table on next page.)

To use the signal routing table:

1. Locate the name of the circuit in column 1, "WIRE". (This circuit name is physically printed on the wires used in this circuit.) As you can see, each circuit name appears on two or more lines, and all lines that have the same circuit name are grouped together. Each line of the Signal Routing Table represents one of the connection points associated with that specific circuit group. Because many circuits are parallel (branching to two or more destinations), the order in which the lines appear is not necessarily the order in which connectors within the circuit actually occur.

**NOTE:** Occasionally, two different circuits will have the same name. Nevertheless, these can be distinguished because each circuit is separately grouped in the routing table. As with circuits of different names, the connections in one group are not common to those in any other group. They are only common within their own group.



**PART OF SCHEMATIC W6DRYGS+  
SHOWING CIRCUIT B6A**

2. Identify in column 2 the connector name and the pin number on that connector that are part of the circuit. The locations of mounted connectors (those mounted in an electric box) are depicted on the layout tag found in the electric box. The component name from column 2 is shown on this tag. Free hanging connectors are labeled with an identification sticker affixed to the connector itself.
3. Column 3, "SCHEMATIC AND LINE NO." shows the principal location in the schematic set where the connector appears, if it is shown on the schematics at all. Since the first five characters of the schematic numbers (the model prefix) are the same for all schematics within the schematic set, only the characters that follow the model prefix and distinguish the individual schematics are shown here. The schematic line numbers listed here are printed along the bottom of each schematic.
4. Determine from column 4, the general location of the connector on the machine.
5. If the connector is a relay socket, column 5 provides another means of locating this connection. If the socket is on a relay tray, the three or four digit code shown here is interpreted as follows:

Example: 1 N 1 T

Function Class (ie: T=Temperature)  
 Column  
 Row  
 Relay Tray Number

| SIGNAL ROUTING TABLE FOR<br>GAS DRYER<br>WITH MICRO CONTROLS |                                  |                              |                                |                           |
|--------------------------------------------------------------|----------------------------------|------------------------------|--------------------------------|---------------------------|
| WIRE                                                         | COMPONENT<br>NAME AND<br>PIN NO. | SCHEMATIC<br>AND<br>LINE NO. | COMPONENT LOCATION             | RELAY<br>LOCATION<br>CODE |
| B64                                                          | CSBN V                           | FE 05                        | HIGH VOLTAGE ENCL-BOTTOM PANEL | 2B6M                      |
| B64                                                          | CRBH 4                           | FE 05                        | HIGH VOLTAGE ENCL-TOP PANEL    |                           |
| B64                                                          | WCX 14                           |                              | HIGH VOLTAGE ENCL-TOP PANEL    |                           |
| B6A                                                          | CRBH A                           | S+ 15                        | HIGH VOLTAGE ENCL-TOP PANEL    | 2B6M                      |
| B6A                                                          | WCL 06                           |                              | HIGH VOLTAGE ENCL-TOP PANEL    |                           |
| B6A                                                          | CRBHM 4                          | S+ 15                        | LOW VOLTAGE ENCL-BOTTOM PANEL  |                           |
| B6A                                                          | MTA5 8                           | S+ 15                        | LOW VOLTAGE ENCL-BOTTOM PANEL  |                           |
| B6A                                                          | WCB 28                           |                              | LOW VOLTAGE ENCL-TOP PANEL     |                           |
| B6A                                                          | WCR 06                           |                              | LOW VOLTAGE ENCL-TOP PANEL     |                           |
| BHA                                                          | CSBH A                           | FE 05                        | HIGH VOLTAGE ENCL-BOTTOM PANEL |                           |
| BHA                                                          | CSBN K                           | FE 05                        | HIGH VOLTAGE ENCL-BOTTOM PANEL |                           |

PART OF SIGNAL ROUTING TABLE W6DRYGR  
 SHOWING CIRCUIT B6A

SIGNAL ROUTING TABLE FOR  
SERIAL  
DIVCYL

PAGE 1  
DATE 06/11/87  
W6WEDSRT/8803

| WIRE | COMPONENT<br>NAME AND<br>PIN NO. | SCHEMATIC<br>AND<br>LINE NO. | COMPONENT LOCATION         | RELAY<br>LOCATION<br>CODE |
|------|----------------------------------|------------------------------|----------------------------|---------------------------|
| 1HF  | CRDL 9                           | SSF00                        | LOW VOLTAGE CONTROL BOX    | 1B3P                      |
| 1HF  | CRPLA 8                          | SSF01                        | LOW VOLTAGE CONTROL BOX    | 1B1D                      |
| 1HF  | EF37 1                           | SPS**                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 1HF  | SHSMA 8                          | SSF04                        | SWITCH PANEL               |                           |
| 1HF  | SMPL1 7                          | SSF02                        | MOUNTED ON MACHINE         |                           |
| 1HF  | TBL 2                            | SSF01                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 1HF  | TBR E                            | SSF02                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HF  | WCJ 5                            |                              | LOW VOLTAGE CONTROL BOX    |                           |
| 1HF  | WCN 5                            |                              | LOW VOLTAGE C/BOX & SW PNL |                           |
| 1HF  | WCR 1                            |                              | LOW VOLTAGE CONTROL BOX    |                           |
|      |                                  |                              |                            |                           |
| 1HV  | 1MT13 6                          | SS+12                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MT14 4                          | SS+03                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MT15 4                          | SEV05                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MT15 5                          | SEV04                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MT15 7                          | SEV03                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MT16 2                          | SSP15                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MT16 3                          | SSP04                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MT16 8                          | SEV06                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MTA5 4                          | SMC13                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | 1MTF 1                           | BWA01                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRBRM 7                          | SEV03                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRCLM 7                          | SSP04                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRDL 8                           | SSP12                        | LOW VOLTAGE CONTROL BOX    | 1B3P                      |
| 1HV  | CRDRM 7                          | SEV06                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRFDM 7                          | SSP15                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRS+S 8                          | SSP03                        | HIGH VOLTAGE CONTROL BOX   | 3A1S                      |
| 1HV  | CRS+S 9                          | SSP07                        | HIGH VOLTAGE CONTROL BOX   | 3A1S                      |
| 1HV  | CRSGM 7                          | SS+03                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRSP 8                           | SSP13                        | LOW VOLTAGE CONTROL BOX    | 1A4S                      |
| 1HV  | CRVCM 7                          | SEV05                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRVHM 7                          | SEV04                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRW2M 7                          | SMC12                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRW2M 7                          | SMC13                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CRWSM 7                          | SS+12                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | CSE2L V                          | SSP14                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 1HV  | SHS+ 7                           | SS+15                        | SWITCH PANEL               |                           |
| 1HV  | SHSMA 2                          | SSP04                        | SWITCH PANEL               |                           |
| 1HV  | SHSD 7                           | SS+06                        | SWITCH PANEL               |                           |
| 1HV  | TBM 6                            | SSP11                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 1HV  | TBM 8                            | SSP11                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 1HV  | TBR A                            | SSP08                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | TBR C                            | SSP09                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | TBR M                            | SSP10                        | LOW VOLTAGE CONTROL BOX    |                           |
| 1HV  | WCJ 10                           |                              | LOW VOLTAGE CONTROL BOX    |                           |

SIGNAL ROUTING TABLE FOR  
SERIAL  
DIVCYL

PAGE 2  
DATE 06/11/87  
W6WEDSRT/88032

| WIRE | COMPONENT<br>NAME AND<br>PIN NO. | SCHEMATIC<br>AND<br>LINE NO. | COMPONENT LOCATION         | RELAY<br>LOCATION<br>CODE |
|------|----------------------------------|------------------------------|----------------------------|---------------------------|
| 1HV  | WCN 10                           |                              | LOW VOLTAGE C/BOX & SW PNL |                           |
| 1HV  | WCR 15                           |                              | LOW VOLTAGE CONTROL BOX    |                           |
| 2F   | 1MTD 3                           | BWA02                        | LOW VOLTAGE CONTROL BOX    |                           |
| 2F   | 1MTD 4                           | BWA02                        | LOW VOLTAGE CONTROL BOX    |                           |
| 2F   | 1MTP 3                           | BWA00                        | LOW VOLTAGE CONTROL BOX    |                           |
| 2F   | 1MTP 5                           | BWA00                        | LOW VOLTAGE CONTROL BOX    |                           |
| 2F   | CDEXN B                          | SSP14                        | LOW VOLTAGE CONTROL BOX    | 1A5S                      |
| 2F   | CDS+N B                          | SSP03                        | LOW VOLTAGE CONTROL BOX    | 1B6D                      |
| 2F   | CRASA B                          | SAS04                        | AUTOSPOT CONTROL BOX       | 4A1M                      |
| 2F   | CRASB B                          | SAS06                        | AUTOSPOT CONTROL BOX       | 4A2M                      |
| 2F   | CRASH B                          | SAS12                        | AUTOSPOT CONTROL BOX       | 4B5M                      |
| 2F   | CRASI B                          | SAS13                        | AUTOSPOT CONTROL BOX       | 4B2M                      |
| 2F   | CRASJ B                          | SAS11                        | AUTOSPOT CONTROL BOX       | 4B1M                      |
| 2F   | CRASK B                          | SAS14                        | AUTOSPOT CONTROL BOX       | 4B4M                      |
| 2F   | CRASL B                          | SAS07                        | AUTOSPOT CONTROL BOX       | 4A3M                      |
| 2F   | CRASM B                          | SAS08                        | AUTOSPOT CONTROL BOX       | 4B3M                      |
| 2F   | CRASS B                          | SAS09                        | AUTOSPOT CONTROL BOX       | 4A4M                      |
| 2F   | CRAST B                          | SAS10                        | AUTOSPOT CONTROL BOX       | 4A5M                      |
| 2F   | CRDL B                           | SS+09                        | LOW VOLTAGE CONTROL BOX    | 1B3F                      |
| 2F   | CRFLA B                          | SSP02                        | LOW VOLTAGE CONTROL BOX    | 1B1D                      |
| 2F   | CRS+ B                           | SS+06                        | LOW VOLTAGE CONTROL BOX    | 1A6S                      |
| 2F   | CRS+S B                          | SS+05                        | HIGH VOLTAGE CONTROL BOX   | 3A1S                      |
| 2F   | CRSP B                           | SSP06                        | LOW VOLTAGE CONTROL BOX    | 1A4S                      |
| 2F   | CRSPA B                          | SSP05                        | LOW VOLTAGE CONTROL BOX    | 1A3S                      |
| 2F   | CRSS B                           | SS+15                        | LOW VOLTAGE CONTROL BOX    | 1B5S                      |
| 2F   | CSDR B                           | SMC11                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | CSE1 B                           | SMC07                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | CSE2 B                           | SMC08                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | CSJA B                           | SMC14                        | AUTOSPOT CONTROL BOX       |                           |
| 2F   | CSJC B                           | SMC15                        | AUTOSPOT CONTROL BOX       |                           |
| 2F   | CSW2L B                          | SMC12                        | 2SPD WASH CONTROL BOX      |                           |
| 2F   | CSW2N B                          | SMC13                        | 2SPD WASH CONTROL BOX      |                           |
| 2F   | CSWA B                           | SMC09                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | CSWC B                           | SMC10                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | EBSG B                           | SS+04                        | SWITCH PANEL               |                           |
| 2F   | ELASI B                          | SAS03                        | SWITCH PANEL               |                           |
| 2F   | ELSG B                           | SS+03                        | SWITCH PANEL               |                           |
| 2F   | ELWVS B                          | SS+13                        | SWITCH PANEL               |                           |
| 2F   | EX37 X*                          | SPS**                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | EXAS H*                          | SMC16                        | AUTOSPOT CONTROL BOX       |                           |
| 2F   | TBA B                            | SMC15                        | AUTOSPOT CONTROL BOX       |                           |
| 2F   | TBL 3                            | SMC02                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | TBL 4                            | SMC03                        | HIGH VOLTAGE CONTROL BOX   |                           |
| 2F   | TBL 8                            | SMC04                        | HIGH VOLTAGE CONTROL BOX   |                           |

SIGNAL ROUTING TABLE FOR  
SERIAL  
DIVCYL

PAGE 3  
DATE 06/11/87  
W6WEDSRT/88032

| WIRE | COMPONENT<br>NAME AND<br>PIN NO. | SCHEMATIC<br>AND<br>LINE NO. | COMPONENT LOCATION            | RELAY<br>LOCATION<br>CODE |
|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| 2F   | TBR B                            | SMC05                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2F   | TBR D                            | SMC06                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2F   | VEAS B                           | SAS05                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEBR2 B                          | SSP01                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEC01 B                          | SCF02                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC01 B                          | SCL04                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC01AB                          | SCL05                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC02 B                          | SCF03                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC02 B                          | SCL06                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC02AB                          | SCL07                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC03 B                          | SCF04                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC03 B                          | SCL08                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC04 B                          | SCF05                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC04 B                          | SCL09                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC05 B                          | SCF06                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC05 B                          | SCL10                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEC06 B                          | SCL11                        | MOUNTED ON MACHINE            |                           |
| 2F   | VECFL B                          | SCL12                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEDRR B                          | SEV09                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEDRS B                          | SEV06                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEPL B                           | SSP12                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEPPD B                          | SSP09                        | LEFT AIR VALVE ASSEMBLY       |                           |
| 2F   | VESTM B                          | SEV07                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VETCW B                          | SEV10                        | LEFT AIR VALVE ASSEMBLY       |                           |
| 2F   | VEWBR B                          | SEV03                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEWCL B                          | SSP04                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEWPD B                          | SSP15                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEWSS B                          | SSP11                        | LEFT AIR VALVE ASSEMBLY       |                           |
| 2F   | VEWVC B                          | SEV05                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEWVH B                          | SEV04                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | VEWVS B                          | SS+12                        | MOUNTED ON MACHINE            |                           |
| 2F   | VEWVX B                          | SEV08                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | WC2 3                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| 2F   | WCJ 12                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| 2F   | WCN 12                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| 2F   | WCQ 14                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| 2F   | WCR 2                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| 2F   | WCS 6                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| 2F   | WCV 14                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| 2F   | WCX 36                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| 2G   | 1MT11 9                          | BWA12                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | 1MT1110                          | BWA12                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | 1MT31 9                          | BWA05                        | PROCESSOR CONTROL BOX         |                           |
| 2G   | 1MT3110                          | BWA04                        | PROCESSOR CONTROL BOX         |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| 2G   | 1MT51 9                          | BWA12                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | 1MT5110                          | BWA12                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | 1MTA1 9                          | BWA01                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | 1MTA110                          | BWA01                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | 2MT11 9                          | BWA12                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | CDEXN 9                          | SIA09                        | LOW VOLTAGE CONTROL BOX       | 1A5S                      |
| 2G   | CREXA 7                          | SEA04                        | LOW VOLTAGE CONTROL BOX       | 6A1E                      |
| 2G   | CRS+ 8                           | SIA05                        | LOW VOLTAGE CONTROL BOX       | 1A6S                      |
| 2G   | CRSPA 7                          | SIA04                        | LOW VOLTAGE CONTROL BOX       | 1A3S                      |
| 2G   | SHEAK 7                          | SEA03                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | SHSG 7                           | SIA11                        | SWITCH PANEL                  |                           |
| 2G   | SKPR 7                           | SIA12                        | SWITCH PANEL                  |                           |
| 2G   | SLLL1 7                          | SIA07                        | MOUNTED ON MACHINE            |                           |
| 2G   | SLLL3 7                          | SIA08                        | MOUNTED ON MACHINE            |                           |
| 2G   | SPBR 7                           | SIA10                        | RIGHT AIR VLAVE ASSEMBLY      |                           |
| 2G   | SPLLL 7                          | SIA06                        | MOUNTED ON MACHINE            |                           |
| 2G   | TBS Y                            | SIA04                        | LOW VOLTAGE CONTROL BOX       |                           |
| 2G   | WCP 6                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |
| 2G   | WCX 36                           |                              | PROCESSOR CONTROL BOX         |                           |
| 2LK  | CSE1R V                          | SSP14                        | HIGH VOLTAGE CONTROL BOX      |                           |
| 2LK  | CSE2L K                          | SSP14                        | HIGH VOLTAGE CONTROL BOX      |                           |
| 2LK  | CSW2L K                          | SMC13                        | 2SPD WASH CONTROL BOX         |                           |
| 2LK  | CSW2N A                          | SMC13                        | 2SPD WASH CONTROL BOX         |                           |
| 2NK  | CSW2L A                          | SMC12                        | 2SPD WASH CONTROL BOX         |                           |
| 2NK  | CSW2N K                          | SMC12                        | 2SPD WASH CONTROL BOX         |                           |
| 342  | 1MT34 2                          | BWA06                        | PROCESSOR CONTROL BOX         |                           |
| 342  | 1MT39 2                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |
| 343  | 1MT34 3                          | BWA06                        | PROCESSOR CONTROL BOX         |                           |
| 343  | 1MT39 3                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |
| 344  | 1MT34 4                          | BWA06                        | PROCESSOR CONTROL BOX         |                           |
| 344  | 1MT39 4                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |
| 345  | 1MT34 5                          | BWA06                        | PROCESSOR CONTROL BOX         |                           |
| 345  | 1MT39 5                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |
| 346  | 1MT34 6                          | BWA06                        | PROCESSOR CONTROL BOX         |                           |
| 346  | 1MT39 6                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |
| 347  | 1MT34 7                          | BWA06                        | PROCESSOR CONTROL BOX         |                           |
| 347  | 1MT39 7                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |

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|------|----------------------------------|------------------------------|-----------------------|---------------------------|
| 361  | 1MT36 1                          | KPD14                        | PROCESSOR CONTROL BOX |                           |
| 361  | 3MTD1 7                          | KPD14                        | SWITCH PANEL          |                           |
| 361  | WCX 9                            |                              | PROCESSOR CONTROL BOX |                           |
| 362  | 1MT36 2                          | KPD13                        | PROCESSOR CONTROL BOX |                           |
| 362  | 3MTD1 6                          | KPD13                        | SWITCH PANEL          |                           |
| 362  | WCX 10                           |                              | PROCESSOR CONTROL BOX |                           |
| 363  | 1MT36 3                          | KPD12                        | PROCESSOR CONTROL BOX |                           |
| 363  | 3MTD2 9                          | KPD12                        | SWITCH PANEL          |                           |
| 363  | WCX 11                           |                              | PROCESSOR CONTROL BOX |                           |
| 364  | 1MT36 4                          | KPD11                        | PROCESSOR CONTROL BOX |                           |
| 364  | 3MTD2 8                          | KPD11                        | SWITCH PANEL          |                           |
| 364  | WCX 12                           |                              | PROCESSOR CONTROL BOX |                           |
| 365  | 1MT36 5                          | KPD10                        | PROCESSOR CONTROL BOX |                           |
| 365  | 3MTD2 6                          | KPD10                        | SWITCH PANEL          |                           |
| 365  | WCX 13                           |                              | PROCESSOR CONTROL BOX |                           |
| 370  | 1MT3710                          | KPD10                        | PROCESSOR CONTROL BOX |                           |
| 370  | 3MTD1 5                          | KPD10                        | SWITCH PANEL          |                           |
| 370  | WCX 14                           |                              | PROCESSOR CONTROL BOX |                           |
| 373  | 1MT37 3                          | KPD17                        | PROCESSOR CONTROL BOX |                           |
| 373  | 3MTD1 3                          | KPD17                        | SWITCH PANEL          |                           |
| 373  | WCX 15                           |                              | PROCESSOR CONTROL BOX |                           |
| 374  | 1MT37 4                          | KPD16                        | PROCESSOR CONTROL BOX |                           |
| 374  | 3MTD1 2                          | KPD16                        | SWITCH PANEL          |                           |
| 374  | WCX 16                           |                              | PROCESSOR CONTROL BOX |                           |
| 375  | 1MT37 5                          | KPD15                        | PROCESSOR CONTROL BOX |                           |
| 375  | 3MTD2 3                          | KPD15                        | SWITCH PANEL          |                           |
| 375  | WCX 17                           |                              | PROCESSOR CONTROL BOX |                           |
| 376  | 1MT37 6                          | KPD14                        | PROCESSOR CONTROL BOX |                           |
| 376  | 3MTD2 2                          | KPD14                        | SWITCH PANEL          |                           |
| 376  | WCX 18                           |                              | PROCESSOR CONTROL BOX |                           |
| 377  | 1MT37 7                          | KPD13                        | PROCESSOR CONTROL BOX |                           |
| 377  | 3MTD2 7                          | KPD13                        | SWITCH PANEL          |                           |
| 377  | WCX 19                           |                              | PROCESSOR CONTROL BOX |                           |
| 378  | 1MT37 8                          | KPD12                        | PROCESSOR CONTROL BOX |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| 378  | 3MTD2 4                          | KPD12                        | SWITCH PANEL             |                           |
| 378  | WCX 20                           |                              | PROCESSOR CONTROL BOX    |                           |
| 379  | 1MT37 9                          | KPD11                        | PROCESSOR CONTROL BOX    |                           |
| 379  | 3MTD2 5                          | KPD11                        | SWITCH PANEL             |                           |
| 379  | WCX 21                           |                              | PROCESSOR CONTROL BOX    |                           |
| 504  | CSE2 4                           | SMT13                        | HIGH VOLTAGE CONTROL BOX |                           |
| 504  | ETE2 7                           | SMT13                        | HIGH VOLTAGE CONTROL BOX |                           |
| 505  | CSE2 5                           | SMT14                        | HIGH VOLTAGE CONTROL BOX |                           |
| 505  | ETE2 8                           | SMT14                        | HIGH VOLTAGE CONTROL BOX |                           |
| 506  | CSE2 6                           | SMT14                        | HIGH VOLTAGE CONTROL BOX |                           |
| 506  | ETE2 9                           | SMT14                        | HIGH VOLTAGE CONTROL BOX |                           |
| 563  | 1MT56 3                          | BWA13                        | LOW VOLTAGE CONTROL BOX  |                           |
| 563  | 1MT57 3                          | BWA14                        | LOW VOLTAGE CONTROL BOX  |                           |
| 566  | 1MT56 6                          | BWA13                        | LOW VOLTAGE CONTROL BOX  |                           |
| 566  | 1MT57 6                          | BWA13                        | LOW VOLTAGE CONTROL BOX  |                           |
| 601  | CSWA 7                           | SMT08                        | HIGH VOLTAGE CONTROL BOX |                           |
| 601  | CSWC 7                           | SMT11                        | HIGH VOLTAGE CONTROL BOX |                           |
| 601  | EF1 1                            | SMT08                        | HIGH VOLTAGE CONTROL BOX |                           |
| 602  | CSWA 8                           | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| 602  | CSWC 8                           | SMT12                        | HIGH VOLTAGE CONTROL BOX |                           |
| 602  | EF1 2                            | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| 603  | CSWA 9                           | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| 603  | CSWC 9                           | SMT12                        | HIGH VOLTAGE CONTROL BOX |                           |
| 603  | EF1 3                            | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| 604  | CSWA 4                           | SMT08                        | HIGH VOLTAGE CONTROL BOX |                           |
| 604  | CSWC 6                           | SMT12                        | HIGH VOLTAGE CONTROL BOX |                           |
| 604  | ETWA 7                           | SMT08                        | HIGH VOLTAGE CONTROL BOX |                           |
| 605  | CSWA 5                           | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| 605  | CSWC 5                           | SMT12                        | HIGH VOLTAGE CONTROL BOX |                           |
| 605  | ETWA 8                           | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| 606  | CSWA 6                           | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| 606  | CSWC 4                           | SMT11                        | HIGH VOLTAGE CONTROL BOX |                           |
| 606  | ETWA 9                           | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| 701  | CSE1 7                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 701  | EF2 1                            | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 702  | CSE1 8                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 702  | EF2 2                            | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 703  | CSE1 9                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 703  | EF2 3                            | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 704  | CSE1 4                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 704  | ETE1 7                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 705  | CSE1 5                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 705  | ETE1 8                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 706  | CSE1 6                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 706  | ETE1 9                           | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| 717  | EF37 7                           | SPS**                        | HIGH VOLTAGE CONTROL BOX |                           |
| 717  | EX37 X*                          | SPS**                        | HIGH VOLTAGE CONTROL BOX |                           |
| 717  | TBL 1                            | SPS**                        | HIGH VOLTAGE CONTROL BOX |                           |
| 801  | CSDR 7                           | SMT01                        | HIGH VOLTAGE CONTROL BOX |                           |
| 801  | EF3 1                            | SMT01                        | HIGH VOLTAGE CONTROL BOX |                           |
| 802  | CSDR 8                           | SMT02                        | HIGH VOLTAGE CONTROL BOX |                           |
| 802  | EF3 2                            | SMT02                        | HIGH VOLTAGE CONTROL BOX |                           |
| 803  | CSDR 9                           | SMT03                        | HIGH VOLTAGE CONTROL BOX |                           |
| 803  | EF3 3                            | SMT03                        | HIGH VOLTAGE CONTROL BOX |                           |
| 804  | CSDR 4                           | SMT01                        | HIGH VOLTAGE CONTROL BOX |                           |
| 804  | ETDR 7                           | SMT01                        | HIGH VOLTAGE CONTROL BOX |                           |
| 805  | CSDR 5                           | SMT02                        | HIGH VOLTAGE CONTROL BOX |                           |
| 805  | ETDR 8                           | SMT02                        | HIGH VOLTAGE CONTROL BOX |                           |
| 806  | CSDR 6                           | SMT03                        | HIGH VOLTAGE CONTROL BOX |                           |
| 806  | ETDR 9                           | SMT03                        | HIGH VOLTAGE CONTROL BOX |                           |
| 901  | CSAS 9                           | SMT03                        | AUTOSPOT CONTROL BOX     |                           |
| 901  | EF4 3                            | SMT00                        | HIGH VOLTAGE CONTROL BOX |                           |
| 902  | CSAS 8                           | SMT03                        | AUTOSPOT CONTROL BOX     |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| 902  | EF4 2                            | SMT00                        | HIGH VOLTAGE CONTROL BOX      |                           |
| 903  | CSAS 7                           | SMT02                        | AUTOSPOT CONTROL BOX          |                           |
| 903  | EF4 1                            | SMT00                        | HIGH VOLTAGE CONTROL BOX      |                           |
| A12  | CRASA 2                          | SAS09                        | AUTOSPOT CONTROL BOX          | 4A1M                      |
| A12  | CRASL 8                          | SAS09                        | AUTOSPOT CONTROL BOX          | 4A3M                      |
| A12  | SCAS2 1                          | SAS10                        | MOUNTED ON MACHINE            |                           |
| A12  | SCAS3 1                          | SAS11                        | MOUNTED ON MACHINE            |                           |
| A12  | WCZ 5                            |                              | AUTOSPOT CONTROL BOX          |                           |
| A14  | 1MTA410                          | SEA04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A14  | CRASA 4                          | SAS06                        | AUTOSPOT CONTROL BOX          | 4A1M                      |
| A14  | CRASB 4                          | SAS05                        | AUTOSPOT CONTROL BOX          | 4A2M                      |
| A14  | CRASB A                          | SAS06                        | AUTOSPOT CONTROL BOX          | 4A2M                      |
| A14  | CREXA 4                          | SEA04                        | LOW VOLTAGE CONTROL BOX       | 6A1E                      |
| A14  | SHEAK 4                          | SEA03                        | LOW VOLTAGE CONTROL BOX       |                           |
| A14  | WCF 1                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |
| A16  | 2MT15 6                          | SEA07                        | LOW VOLTAGE CONTROL BOX       |                           |
| A16  | CREXM 1                          | SEA07                        | LOW VOLTAGE CONTROL BOX       |                           |
| A16  | CRS+ 1                           | SEA06                        | LOW VOLTAGE CONTROL BOX       | 1A6S                      |
| A16  | TBA C                            | SEA07                        | LOW VOLTAGE CONTROL BOX       |                           |
| A17  | CRASA 7                          | SAS06                        | AUTOSPOT CONTROL BOX          | 4A1M                      |
| A17  | CRASB 7                          | SAS05                        | AUTOSPOT CONTROL BOX          | 4A2M                      |
| A17  | CRASH A                          | SAS12                        | AUTOSPOT CONTROL BOX          | 4B5M                      |
| A17  | CRASI 9                          | SAS04                        | AUTOSPOT CONTROL BOX          | 4B2M                      |
| A17  | CRASI A                          | SAS13                        | AUTOSPOT CONTROL BOX          | 4B2M                      |
| A17  | CRASJ 1                          | SEV01                        | AUTOSPOT CONTROL BOX          | 4B1M                      |
| A17  | CRASK A                          | SAS14                        | AUTOSPOT CONTROL BOX          | 4B4M                      |
| A17  | CRASL 7                          | SAS07                        | AUTOSPOT CONTROL BOX          | 4A3M                      |
| A17  | CRPLA 6                          | SAS02                        | LOW VOLTAGE CONTROL BOX       | 1B1D                      |
| A17  | SHAS 11                          | SAS10                        | AUTOSPOT SWITCH PANEL         |                           |
| A17  | SHAS 21                          | SAS16                        | AUTOSPOT SWITCH PANEL         |                           |
| A17  | SHWJ 7                           | SAS18                        | SWITCH PANEL                  |                           |
| A17  | TBS 3                            | SAS03                        | LOW VOLTAGE CONTROL BOX       |                           |
| A17  | WCJ 20                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A17  | WCN 20                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| A17  | WCX 3                            |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| A17  | WCY 4                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A19  | 2MT15 5                          | SEA07                        | LOW VOLTAGE CONTROL BOX       |                           |
| A19  | CREXA A                          | SEA02                        | LOW VOLTAGE CONTROL BOX       | 6A1E                      |
| A19  | CREXM 7                          | SEA07                        | LOW VOLTAGE CONTROL BOX       |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| A19  | CRS+ 7                           | SEA06                        | LOW VOLTAGE CONTROL BOX       | 1A6S                      |
| A19  | TBA A                            | SEA08                        | LOW VOLTAGE CONTROL BOX       |                           |
| A19  | TBA D                            | SEA02                        | LOW VOLTAGE CONTROL BOX       |                           |
| A1A  | CRASA A                          | SAS04                        | AUTOSPOT CONTROL BOX          | 4A1M                      |
| A1A  | SCAS1 4                          | SAS04                        | MOUNTED ON MACHINE            |                           |
| A1A  | WCZ 1                            |                              | AUTOSPOT CONTROL BOX          |                           |
| A1B  | CREXA B                          | SEA02                        | LOW VOLTAGE CONTROL BOX       | 6A1E                      |
| A1B  | TBA B                            | SEA01                        | LOW VOLTAGE CONTROL BOX       |                           |
| A1M  | CRASA 8                          | SAS08                        | AUTOSPOT CONTROL BOX          | 4A1M                      |
| A1M  | CRASA 8                          | SAS09                        | AUTOSPOT CONTROL BOX          | 4A1M                      |
| A1M  | SHAS 14                          | SAS10                        | AUTOSPOT SWITCH PANEL         |                           |
| A1M  | WCJ 14                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A1M  | WCN 14                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| A1M  | WCR 30                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A1M  | WCX 8                            |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| A33  | CRASL 3                          | SEV03                        | AUTOSPOT CONTROL BOX          | 4A3M                      |
| A33  | TBS B                            | SEV03                        | LOW VOLTAGE CONTROL BOX       |                           |
| A33  | VEWBR A                          | SEV03                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| A33  | WCQ 1                            |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| A33  | WCR 18                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A33  | WCV 1                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A33  | WCX 2                            |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| A34  | 1MTA3 1                          | SIA04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A34  | CRASA 5                          | SAS08                        | AUTOSPOT CONTROL BOX          | 4A1M                      |
| A34  | CRASB 8                          | SAS07                        | AUTOSPOT CONTROL BOX          | 4A2M                      |
| A34  | CRASL 4                          | SAS07                        | AUTOSPOT CONTROL BOX          | 4A3M                      |
| A34  | CRSPA 4                          | SIA04                        | LOW VOLTAGE CONTROL BOX       | 1A3S                      |
| A34  | SCAS2 4                          | SAS10                        | MOUNTED ON MACHINE            |                           |
| A34  | SCAS3 4                          | SAS11                        | MOUNTED ON MACHINE            |                           |
| A34  | TBT C                            | SIA04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A34  | WCZ 4                            |                              | AUTOSPOT CONTROL BOX          |                           |
| A41  | 1MT14 7                          | SMC09                        | LOW VOLTAGE CONTROL BOX       |                           |
| A41  | CRASH 4                          | SAS15                        | AUTOSPOT CONTROL BOX          | 4B5M                      |
| A41  | CRASM 7                          | SMC09                        | AUTOSPOT CONTROL BOX          | 4B3M                      |
| A41  | CRASM 7                          | SMC14                        | AUTOSPOT CONTROL BOX          | 4B3M                      |
| A41  | CRWAM 4                          | SMC09                        | LOW VOLTAGE CONTROL BOX       |                           |
| A41  | SHWJ 4                           | SAS18                        | SWITCH PANEL                  |                           |
| A41  | TBM 3                            | SMC09                        | HIGH VOLTAGE CONTROL BOX      |                           |
| A41  | WCR 7                            |                              | LOW VOLTAGE CONTROL BOX       |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| A41  | WCX 10                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| A42  | 1MT13 2                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| A42  | CRASH 5                          | SAS17                        | AUTOSPOT CONTROL BOX          | 4B5M                      |
| A42  | CRASM 8                          | SMC10                        | AUTOSPOT CONTROL BOX          | 4B3M                      |
| A42  | CRASM 8                          | SMC15                        | AUTOSPOT CONTROL BOX          | 4B3M                      |
| A42  | CRWCM 4                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| A42  | SHWJ 1                           | SAS18                        | SWITCH PANEL                  |                           |
| A42  | TBM 4                            | SMC10                        | HIGH VOLTAGE CONTROL BOX      |                           |
| A42  | WCR 8                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A42  | WCX 13                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| A46  | CRDL A                           | SS+09                        | LOW VOLTAGE CONTROL BOX       | 1B3F                      |
| A46  | CRSP 6                           | SS+07                        | LOW VOLTAGE CONTROL BOX       | 1A4S                      |
| A46  | CRSS 8                           | SS+10                        | LOW VOLTAGE CONTROL BOX       | 1B5S                      |
| A46  | TBR L                            | SS+09                        | LOW VOLTAGE CONTROL BOX       |                           |
| A47  | CRASS 7                          | SAS15                        | AUTOSPOT CONTROL BOX          | 4A4M                      |
| A47  | SHAS 23                          | SAS16                        | AUTOSPOT SWITCH PANEL         |                           |
| A47  | SHAS 26                          | SAS16                        | AUTOSPOT SWITCH PANEL         |                           |
| A47  | WCJ 17                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A47  | WCN 17                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| A47  | WCX 20                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| A47  | WCY 8                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A48  | CRASS 8                          | SAS17                        | AUTOSPOT CONTROL BOX          | 4A4M                      |
| A48  | SHAS 24                          | SAS16                        | AUTOSPOT SWITCH PANEL         |                           |
| A48  | SHAS 25                          | SAS16                        | AUTOSPOT SWITCH PANEL         |                           |
| A48  | SHAS 27                          | SAS16                        | AUTOSPOT SWITCH PANEL         |                           |
| A48  | WCJ 16                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A48  | WCN 16                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| A48  | WCX 21                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| A48  | WCY 9                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A49  | CRSP 9                           | SS+07                        | LOW VOLTAGE CONTROL BOX       | 1A4S                      |
| A49  | SHSO 4                           | SS+06                        | SWITCH PANEL                  |                           |
| A49  | WCJ 7                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A49  | WCN 7                            |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| A4A  | CRASB 5                          | SAS07                        | AUTOSPOT CONTROL BOX          | 4A2M                      |
| A4A  | CRASL A                          | SAS07                        | AUTOSPOT CONTROL BOX          | 4A3M                      |
| A4A  | CRASM A                          | SAS08                        | AUTOSPOT CONTROL BOX          | 4B3M                      |
| A4A  | CRSP 4                           | SSP06                        | LOW VOLTAGE CONTROL BOX       | 1A4S                      |
| A4A  | CRSP A                           | SSP06                        | LOW VOLTAGE CONTROL BOX       | 1A4S                      |
| A4A  | CRSFA A                          | SSP05                        | LOW VOLTAGE CONTROL BOX       | 1A3S                      |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| A4A  | EXAS H*                          | SMC16                        | AUTOSPOT CONTROL BOX          |                           |
| A4A  | SMSP 7                           | SSP04                        | MOUNTED ON MACHINE            |                           |
| A4A  | TBA A                            | SAS08                        | AUTOSPOT CONTROL BOX          |                           |
| A4A  | TBA A                            | SMC16                        | AUTOSPOT CONTROL BOX          |                           |
| A4A  | TBT B                            | SSP04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A4A  | VECO4 A                          | SCF05                        | MOUNTED ON MACHINE            |                           |
| A4A  | VEWCL A                          | SSP04                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| A4A  | WCQ 2                            |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| A4A  | WCV 2                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A54  | CDEXN 4                          | SSP04                        | LOW VOLTAGE CONTROL BOX       | 1A5S                      |
| A54  | CRSP 7                           | SSP06                        | LOW VOLTAGE CONTROL BOX       | 1A4S                      |
| A54  | SMSP 1                           | SSP04                        | MOUNTED ON MACHINE            |                           |
| A54  | TBT A                            | SSP04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A56  | CDEXN 6                          | SIA09                        | LOW VOLTAGE CONTROL BOX       | 1A5S                      |
| A56  | TBR U                            | SIA09                        | LOW VOLTAGE CONTROL BOX       |                           |
| A57  | 1MT16 4                          | SSP04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A57  | CDEXN 7                          | SSP04                        | LOW VOLTAGE CONTROL BOX       | 1A5S                      |
| A57  | CRCLM 4                          | SSP04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A57  | TBS E                            | SSP04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A5A  | CDEXN A                          | SSP14                        | LOW VOLTAGE CONTROL BOX       | 1A5S                      |
| A5A  | CRASL 5                          | SAS09                        | AUTOSPOT CONTROL BOX          | 4A3M                      |
| A5A  | CRASS A                          | SAS09                        | AUTOSPOT CONTROL BOX          | 4A4M                      |
| A5A  | CRAST A                          | SAS10                        | AUTOSPOT CONTROL BOX          | 4A5M                      |
| A5A  | CRSP 5                           | SSP13                        | LOW VOLTAGE CONTROL BOX       | 1A4S                      |
| A5A  | CSE1R K                          | SSP14                        | HIGH VOLTAGE CONTROL BOX      |                           |
| A5A  | TBL 7                            | SSP14                        | HIGH VOLTAGE CONTROL BOX      |                           |
| A5A  | WCR 16                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A61  | CRS+S 1                          | SS+04                        | HIGH VOLTAGE CONTROL BOX      | 3A1S                      |
| A61  | CRSS 3                           | SS+03                        | LOW VOLTAGE CONTROL BOX       | 1B5S                      |
| A61  | EBSG A                           | SS+04                        | SWITCH PANEL                  |                           |
| A61  | ELSG A                           | SS+03                        | SWITCH PANEL                  |                           |
| A61  | TBR F                            | SS+04                        | LOW VOLTAGE CONTROL BOX       |                           |
| A61  | WCJ 11                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A61  | WCN 11                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| A61  | WCR 22                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A65  | 1MT34 7                          | SIA05                        | PROCESSOR CONTROL BOX         |                           |
| A65  | CRS+ 5                           | SIA05                        | LOW VOLTAGE CONTROL BOX       | 1A6S                      |
| A65  | TBT D                            | SIA05                        | LOW VOLTAGE CONTROL BOX       |                           |
| A65  | WCP 7                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| A66  | 1MT13 3                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MT14 6                          | SEV07                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MT15 2                          | SEV08                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MT16 6                          | SEV09                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA5 2                          | SCF05                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA5 2                          | SCL09                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA5 6                          | SEV10                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA5 9                          | SMC11                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 2                          | SCF02                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 2                          | SCL04                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 4                          | SCF04                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 4                          | SCL08                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 6                          | SCF03                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 6                          | SCL06                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 8                          | SCF06                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 1MTA6 8                          | SCL10                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 2MT15 2                          | SCL07                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 2MT15 4                          | SCL05                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 2MT16 6                          | SCL12                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | 2MT16 8                          | SCL11                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR01M 7                          | SCF02                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR01M 7                          | SCL04                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR02M 7                          | SCF03                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR02M 7                          | SCL06                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR03M 7                          | SCF04                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR03M 7                          | SCL08                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR04M 7                          | SCF05                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR04M 7                          | SCL09                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR05M 7                          | SCF06                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR05M 7                          | SCL10                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR06M 7                          | SCL11                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CR07M 7                          | SEV10                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRDAM 7                          | SMC11                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRDRM7                           | SEV09                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRE1M 7                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRFLM 7                          | SCL12                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRL1M 7                          | SCL05                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRL2M 7                          | SCL07                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRS+S 6                          | SSF07                        | HIGH VOLTAGE CONTROL BOX | 3A1S                      |
| A66  | CRSTM 7                          | SEV07                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CRVXM 7                          | SEV08                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | CSDRL V                          | SMC11                        | HIGH VOLTAGE CONTROL BOX |                           |
| A66  | TBS F                            | SSF08                        | LOW VOLTAGE CONTROL BOX  |                           |
| A66  | TBS G                            | SSF07                        | LOW VOLTAGE CONTROL BOX  |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| A66  | TBS L                            | SSP09                        | LOW VOLTAGE CONTROL BOX       |                           |
| A66  | VEPFO A                          | SSP09                        | LEFT AIR VALVE ASSEMBLY       |                           |
| A66  | WCQ 12                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| A66  | WCR 19                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A66  | WCV 12                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| A67  | 1MT14 1                          | SS+06                        | LOW VOLTAGE CONTROL BOX       |                           |
| A67  | CRS+M 4                          | SS+06                        | LOW VOLTAGE CONTROL BOX       |                           |
| A67  | CRS+S 7                          | SS+04                        | HIGH VOLTAGE CONTROL BOX      | 3A1S                      |
| A67  | CRS+S 7                          | SS+05                        | HIGH VOLTAGE CONTROL BOX      | 3A1S                      |
| A67  | CRSS 7                           | SS+06                        | LOW VOLTAGE CONTROL BOX       | 1B5S                      |
| A67  | TBR H                            | SS+06                        | LOW VOLTAGE CONTROL BOX       |                           |
| A67  | WCR 24                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| ASA  | EMAS A                           | SMC17                        | MOUNTED ON MACHINE            |                           |
| ASA  | ZFAS C                           | SMC18                        | AUTOSPOT CONTROL BOX          |                           |
| ASB  | EMAS B                           | SMC17                        | MOUNTED ON MACHINE            |                           |
| ASB  | ZFAS D                           | SMC18                        | AUTOSPOT CONTROL BOX          |                           |
| B12  | CRASJ 2                          | SAS04                        | AUTOSPOT CONTROL BOX          | 4B1M                      |
| B12  | CRAST 7                          | SAS03                        | AUTOSPOT CONTROL BOX          | 4A5M                      |
| B12  | SCAS1 7                          | SAS04                        | MOUNTED ON MACHINE            |                           |
| B12  | VEAS A                           | SAS05                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| B12  | WCQ 13                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| B12  | WCR 35                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B12  | WCV 13                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B12  | WCX 11                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| B12  | WCZ 2                            |                              | AUTOSPOT CONTROL BOX          |                           |
| B14  | 1MT14 2                          | SS+06                        | LOW VOLTAGE CONTROL BOX       |                           |
| B14  | CRPLA 4                          | SS+06                        | LOW VOLTAGE CONTROL BOX       | 1B1D                      |
| B14  | CRS+M 7                          | SS+06                        | LOW VOLTAGE CONTROL BOX       |                           |
| B14  | TBS K                            | SS+06                        | LOW VOLTAGE CONTROL BOX       |                           |
| B15  | CRASI 4                          | SSP00                        | AUTOSPOT CONTROL BOX          | 4B2M                      |
| B15  | CRASS 9                          | SSP01                        | AUTOSPOT CONTROL BOX          | 4A4M                      |
| B15  | CRPLA 5                          | SSP01                        | LOW VOLTAGE CONTROL BOX       | 1B1D                      |
| B15  | WCR 33                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B15  | WCX 26                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| B17  | CRASI 5                          | SEV02                        | AUTOSPOT CONTROL BOX          | 4B2M                      |
| B17  | CRASJ 7                          | SEV01                        | AUTOSPOT CONTROL BOX          | 4B1M                      |
| B17  | CRPLA 7                          | SS+06                        | LOW VOLTAGE CONTROL BOX       | 1B1D                      |
| B17  | SHSD 1                           | SS+06                        | SWITCH PANEL                  |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| B17  | WCJ 8                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B17  | WCN 8                            |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| B1A  | CRASJ 4                          | SAS11                        | AUTOSPOT CONTROL BOX          | 4B1M                      |
| B1A  | SHAS 13                          | SAS10                        | AUTOSPOT SWITCH PANEL         |                           |
| B1A  | SHAS 17                          | SAS10                        | AUTOSPOT SWITCH PANEL         |                           |
| B1A  | WCJ 13                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B1A  | WCN 13                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| B1A  | WCR 31                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B1A  | WCX 9                            |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| B26  | CRASI 6                          | SAS04                        | AUTOSPOT CONTROL BOX          | 4B2M                      |
| B26  | CRASJ 8                          | SAS04                        | AUTOSPOT CONTROL BOX          | 4B1M                      |
| B35  | CRASK 9                          | SSP12                        | AUTOSPOT CONTROL BOX          | 4B4M                      |
| B35  | CRDL 5                           | SSP12                        | LOW VOLTAGE CONTROL BOX       | 1B3P                      |
| B35  | WCR 27                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B35  | WCX 5                            |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| B36  | CRASI 7                          | SSP00                        | AUTOSPOT CONTROL BOX          | 4B2M                      |
| B36  | CRDL 6                           | SSP00                        | LOW VOLTAGE CONTROL BOX       | 1B3P                      |
| B36  | WCX 30                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| B36  | WCY 5                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B37  | CRS+S 4                          | SS+05                        | HIGH VOLTAGE CONTROL BOX      | 3A1S                      |
| B37  | CRSS 4                           | SS+06                        | LOW VOLTAGE CONTROL BOX       | 1B5S                      |
| B37  | SPBR2 1                          | SS+07                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| B37  | TBS N                            | SS+06                        | LOW VOLTAGE CONTROL BOX       |                           |
| B37  | WCQ 17                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| B37  | WCR 23                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B37  | WCV 17                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B55  | CRFLA 9                          | SAS02                        | LOW VOLTAGE CONTROL BOX       | 1B1D                      |
| B55  | CRS+ 3                           | SS+11                        | LOW VOLTAGE CONTROL BOX       | 1A6S                      |
| B57  | CRASH 7                          | SAS15                        | AUTOSPOT CONTROL BOX          | 4B5M                      |
| B57  | CRASS 1                          | SAS15                        | AUTOSPOT CONTROL BOX          | 4A4M                      |
| B58  | CRASH 8                          | SAS17                        | AUTOSPOT CONTROL BOX          | 4B5M                      |
| B58  | CRASS 2                          | SAS17                        | AUTOSPOT CONTROL BOX          | 4A4M                      |
| B59  | 1MT14 3                          | SS+03                        | LOW VOLTAGE CONTROL BOX       |                           |
| B59  | CRSGM 4                          | SS+03                        | LOW VOLTAGE CONTROL BOX       |                           |
| B59  | CRSS 9                           | SS+03                        | LOW VOLTAGE CONTROL BOX       | 1B5S                      |
| B5A  | CRSS A                           | SS+15                        | LOW VOLTAGE CONTROL BOX       | 1B5S                      |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| B5A  | SHS+ 4                           | SS+15                        | SWITCH PANEL                  |                           |
| B5A  | TBR V                            | SS+15                        | LOW VOLTAGE CONTROL BOX       |                           |
| B5A  | WCJ 9                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B5A  | WCN 9                            |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| B64  | CDS+N 4                          | SSP12                        | LOW VOLTAGE CONTROL BOX       | 1B6D                      |
| B64  | TBS 2                            | SSP12                        | LOW VOLTAGE CONTROL BOX       |                           |
| B64  | VEPL A                           | SSP12                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| B64  | WCQ 4                            |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| B64  | WCV 4                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B67  | CDS+N 7                          | SSP12                        | LOW VOLTAGE CONTROL BOX       | 1B6D                      |
| B67  | CRASK 3                          | SSP12                        | AUTOSPOT CONTROL BOX          | 4B4M                      |
| B67  | TBS H                            | SSP12                        | LOW VOLTAGE CONTROL BOX       |                           |
| B67  | VEWSS A                          | SSP11                        | LEFT AIR VALVE ASSEMBLY       |                           |
| B67  | WCQ 9                            |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| B67  | WCR 28                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B67  | WCV 9                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| B67  | WCX 6                            |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| B6A  | CDS+N A                          | SSP03                        | LOW VOLTAGE CONTROL BOX       | 1B6D                      |
| B6A  | CRS+S 2                          | SSP03                        | HIGH VOLTAGE CONTROL BOX      | 3A1S                      |
| B6A  | WCR 21                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| BR4  | 1MTA4 7                          | SIA10                        | LOW VOLTAGE CONTROL BOX       |                           |
| BR4  | SPBR 4                           | SIA10                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| BR4  | WCQ 20                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| BR4  | WCV 20                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| DRA  | 1MTA5 8                          | SMC11                        | LOW VOLTAGE CONTROL BOX       |                           |
| DRA  | CRDAM 4                          | SMC11                        | LOW VOLTAGE CONTROL BOX       |                           |
| DRA  | CSDR A                           | SMC11                        | HIGH VOLTAGE CONTROL BOX      |                           |
| DRA  | TBM 5                            | SMC11                        | HIGH VOLTAGE CONTROL BOX      |                           |
| DRA  | WCR 9                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| DRR  | 1MT16 5                          | SEV09                        | LOW VOLTAGE CONTROL BOX       |                           |
| DRR  | CRDRM4                           | SEV09                        | LOW VOLTAGE CONTROL BOX       |                           |
| DRR  | VEDRR A                          | SEV09                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| DRR  | WCQ 16                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| DRR  | WCV 16                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| DRS  | 1MT16 7                          | SEV06                        | LOW VOLTAGE CONTROL BOX       |                           |
| DRS  | CRDRM 4                          | SEV06                        | LOW VOLTAGE CONTROL BOX       |                           |
| DRS  | VEDRS A                          | SEV06                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| DRS  | WCQ 15                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| DRS  | WCV 15                           |                              | LOW VOLTAGE CONTROL BOX  |                           |
| E1A  | CSE1 A                           | SMC07                        | HIGH VOLTAGE CONTROL BOX |                           |
| E1A  | CSE2R K                          | SMC07                        | HIGH VOLTAGE CONTROL BOX |                           |
| E1V  | 1MT13 8                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| E1V  | CRE2M 4                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| E1V  | CSE1L V                          | SMC08                        | HIGH VOLTAGE CONTROL BOX |                           |
| E1V  | TBM 2                            | SMC08                        | HIGH VOLTAGE CONTROL BOX |                           |
| E1V  | WCR 6                            |                              | LOW VOLTAGE CONTROL BOX  |                           |
| E2A  | CSE1L K                          | SMC08                        | HIGH VOLTAGE CONTROL BOX |                           |
| E2A  | CSE2 A                           | SMC08                        | HIGH VOLTAGE CONTROL BOX |                           |
| E2M  | 1MT13 4                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| E2M  | 1MT13 9                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| E2M  | CRE1M 4                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| E2M  | CRE2M 7                          | SMC07                        | LOW VOLTAGE CONTROL BOX  |                           |
| E2M  | CRE2M 7                          | SMC08                        | LOW VOLTAGE CONTROL BOX  |                           |
| E2V  | 1MT1310                          | SMC07                        | LOW VOLTAGE CONTROL BOX  |                           |
| E2V  | CRE2M 1                          | SMC07                        | LOW VOLTAGE CONTROL BOX  |                           |
| E2V  | CSE2R V                          | SMC07                        | HIGH VOLTAGE CONTROL BOX |                           |
| E2V  | TBM 1                            | SMC07                        | HIGH VOLTAGE CONTROL BOX |                           |
| E2V  | WCR 5                            |                              | LOW VOLTAGE CONTROL BOX  |                           |
| EX1  | EF16X 1                          | SMC17                        | AUTOSPOT CONTROL BOX     |                           |
| EX1  | ZFAS A                           | SMC18                        | AUTOSPOT CONTROL BOX     |                           |
| EX7  | EF16X 7                          | SMC17                        | AUTOSPOT CONTROL BOX     |                           |
| EX7  | EXAS X*                          | SMC16                        | AUTOSPOT CONTROL BOX     |                           |
| EY1  | EF16Y 1                          | SMC17                        | AUTOSPOT CONTROL BOX     |                           |
| EY1  | ZFAS B                           | SMC18                        | AUTOSPOT CONTROL BOX     |                           |
| EY7  | EF16Y 7                          | SMC17                        | AUTOSPOT CONTROL BOX     |                           |
| EY7  | EXAS X*                          | SMC16                        | AUTOSPOT CONTROL BOX     |                           |
| JAA  | CSJA A                           | SMC14                        | AUTOSPOT CONTROL BOX     |                           |
| JAA  | CSJC K                           | SMC14                        | AUTOSPOT CONTROL BOX     |                           |
| JAV  | CRASM S                          | SMC15                        | AUTOSPOT CONTROL BOX     | 4B3M                      |
| JAV  | CSJA V                           | SMC15                        | AUTOSPOT CONTROL BOX     |                           |
| JCA  | CSJA K                           | SMC15                        | AUTOSPOT CONTROL BOX     |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| JCA  | CSJC A                           | SMC15                        | AUTOSPOT CONTROL BOX     |                           |
| JCV  | CRASM 4                          | SMC14                        | AUTOSPOT CONTROL BOX     | 4B3M                      |
| JCV  | CSJC V                           | SMC14                        | AUTOSPOT CONTROL BOX     |                           |
| JJX  | CRFLA A                          | SSP02                        | LOW VOLTAGE CONTROL BOX  | 1B1D                      |
| JJX  | SMPL2 4                          | SSP02                        | MOUNTED ON MACHINE       |                           |
| JJX  | TBR K                            | SSP02                        | LOW VOLTAGE CONTROL BOX  |                           |
| K1   | 1MT35 7                          | KPD03                        | PROCESSOR CONTROL BOX    |                           |
| K1   | 1MTAK 1                          | KPD02                        | SWITCH PANEL             |                           |
| K1   | WCX 1                            |                              | PROCESSOR CONTROL BOX    |                           |
| K2   | 1MT35 6                          | KPD05                        | PROCESSOR CONTROL BOX    |                           |
| K2   | 1MTAK 2                          | KPD04                        | SWITCH PANEL             |                           |
| K2   | WCX 2                            |                              | PROCESSOR CONTROL BOX    |                           |
| K3   | 1MT35 1                          | KPD07                        | PROCESSOR CONTROL BOX    |                           |
| K3   | 1MTAK 3                          | KPD06                        | SWITCH PANEL             |                           |
| K3   | WCX 3                            |                              | PROCESSOR CONTROL BOX    |                           |
| K4   | 1MT35 10                         | KPD03                        | PROCESSOR CONTROL BOX    |                           |
| K4   | 1MTAK 4                          | KPD02                        | SWITCH PANEL             |                           |
| K4   | WCX 4                            |                              | PROCESSOR CONTROL BOX    |                           |
| K5   | 1MT35 9                          | KPD05                        | PROCESSOR CONTROL BOX    |                           |
| K5   | 1MTAK 5                          | KPD04                        | SWITCH PANEL             |                           |
| K5   | WCX 5                            |                              | PROCESSOR CONTROL BOX    |                           |
| K6   | 1MT35 8                          | KPD07                        | PROCESSOR CONTROL BOX    |                           |
| K6   | 1MTAK 6                          | KPD06                        | SWITCH PANEL             |                           |
| K6   | WCX 6                            |                              | PROCESSOR CONTROL BOX    |                           |
| K7   | 1MT35 5                          | KPD07                        | PROCESSOR CONTROL BOX    |                           |
| K7   | 1MTAK 7                          | KPD06                        | SWITCH PANEL             |                           |
| K7   | WCX 7                            |                              | PROCESSOR CONTROL BOX    |                           |
| K8   | 1MT35 4                          | KPD09                        | PROCESSOR CONTROL BOX    |                           |
| K8   | 1MTAK 8                          | KPD08                        | SWITCH PANEL             |                           |
| K8   | WCX 8                            |                              | PROCESSOR CONTROL BOX    |                           |
| L11  | EX37 H*                          | SPS**                        | HIGH VOLTAGE CONTROL BOX |                           |
| L17  | CSE2 7                           | SMT13                        | HIGH VOLTAGE CONTROL BOX |                           |
| L17  | EF1 7                            | SMT08                        | HIGH VOLTAGE CONTROL BOX |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| L17  | EF2 7                            | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| L17  | EF3 7                            | SMT01                        | HIGH VOLTAGE CONTROL BOX |                           |
| L17  | EF4 7                            | SMT00                        | HIGH VOLTAGE CONTROL BOX |                           |
| L18  | CSE2 8                           | SMT14                        | HIGH VOLTAGE CONTROL BOX |                           |
| L18  | EF1 8                            | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| L18  | EF2 8                            | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| L18  | EF3 8                            | SMT02                        | HIGH VOLTAGE CONTROL BOX |                           |
| L18  | EF4 8                            | SMT00                        | HIGH VOLTAGE CONTROL BOX |                           |
| L19  | CSE2 9                           | SMT14                        | HIGH VOLTAGE CONTROL BOX |                           |
| L19  | EF1 9                            | SMT09                        | HIGH VOLTAGE CONTROL BOX |                           |
| L19  | EF2 9                            | SMT05                        | HIGH VOLTAGE CONTROL BOX |                           |
| L19  | EF3 9                            | SMT03                        | HIGH VOLTAGE CONTROL BOX |                           |
| L19  | EF4 9                            | SMT00                        | HIGH VOLTAGE CONTROL BOX |                           |
| L21  | EX37 H*                          | SPS**                        | HIGH VOLTAGE CONTROL BOX |                           |
| L34  | 1MTA3 8                          | SIA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| L34  | SLLL3 4                          | SIA08                        | MOUNTED ON MACHINE       |                           |
| L34  | TBS X                            | SIA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| LL1  | 1MTA3 7                          | SIA07                        | LOW VOLTAGE CONTROL BOX  |                           |
| LL1  | SLLL1 1                          | SIA07                        | MOUNTED ON MACHINE       |                           |
| LL1  | TBS W                            | SIA07                        | LOW VOLTAGE CONTROL BOX  |                           |
| LLM  | CRS+ 9                           | SS+11                        | LOW VOLTAGE CONTROL BOX  | 1A6S                      |
| LLM  | CRSS 5                           | SS+10                        | LOW VOLTAGE CONTROL BOX  | 1B5S                      |
| MFL  | SMPL1 4                          | SSP02                        | MOUNTED ON MACHINE       |                           |
| MFL  | SMPL2 7                          | SSP02                        | MOUNTED ON MACHINE       |                           |
| OL   | CRS+ A                           | SS+06                        | LOW VOLTAGE CONTROL BOX  | 1A6S                      |
| OL   | CRS+S A                          | SS+05                        | HIGH VOLTAGE CONTROL BOX | 3A1S                      |
| OL   | ETDR K                           |                              | HIGH VOLTAGE CONTROL BOX |                           |
| OL   | TBM 7                            | SS+05                        | HIGH VOLTAGE CONTROL BOX |                           |
| OL   | TBR J                            | SS+06                        | LOW VOLTAGE CONTROL BOX  |                           |
| OL   | WCR 32                           |                              | LOW VOLTAGE CONTROL BOX  |                           |
| PDA  | 1MT16 1                          | SSP15                        | LOW VOLTAGE CONTROL BOX  |                           |
| PDA  | CRFDM 4                          | SSP15                        | LOW VOLTAGE CONTROL BOX  |                           |
| PDA  | VEWFD A                          | SSP15                        | RIGHT AIR VALVE ASSEMBLY |                           |
| PDA  | WCQ 10                           |                              | RIGHT AIR VALVE ASSEMBLY |                           |
| PDA  | WCV 10                           |                              | LOW VOLTAGE CONTROL BOX  |                           |
| PL4  | 1MTA3 4                          | SIA06                        | LOW VOLTAGE CONTROL BOX  |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| FL4  | SPLLL 4                          | SIA06                        | MOUNTED ON MACHINE            |                           |
| RB1  | SMERB 1                          | SS+07                        | MOUNTED ON MACHINE            |                           |
| RB1  | SPBR2 7                          | SS+07                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| RB1  | TBS F                            | SS+08                        | LOW VOLTAGE CONTROL BOX       |                           |
| RB1  | WCQ 3                            |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| RB1  | WCQ 21                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| RB1  | WCV 3                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| RB1  | WCV 21                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| RB4  | WCP 8                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |
| RC4  | WCP 9                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |
| SG4  | 1MT38 2                          | SIA11                        | PROCESSOR CONTROL BOX         |                           |
| SG4  | SHSG 4                           | SIA11                        | SWITCH PANEL                  |                           |
| SG4  | WCX 35                           |                              | PROCESSOR CONTROL BOX         |                           |
| SIA  | CRAST 4                          | SAS03                        | AUTOSPOT CONTROL BOX          | 4A5M                      |
| SIA  | ELASI A                          | SAS03                        | SWITCH PANEL                  |                           |
| SIA  | WCX 25                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| SK4  | 1MT38 3                          | SIA12                        | PROCESSOR CONTROL BOX         |                           |
| SK4  | SKPR 4                           | SIA12                        | SWITCH PANEL                  |                           |
| SK4  | WCX 34                           |                              | PROCESSOR CONTROL BOX         |                           |
| SM2  | SCAS2 7                          | SAS10                        | MOUNTED ON MACHINE            |                           |
| SM2  | SHAS 15                          | SAS10                        | AUTOSPOT SWITCH PANEL         |                           |
| SM2  | WCJ 15                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| SM2  | WCN 15                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| SM2  | WCX 19                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| SM2  | WCY 7                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| SM2  | WCZ 6                            |                              | AUTOSPOT CONTROL BOX          |                           |
| SM3  | SCAS3 7                          | SAS11                        | MOUNTED ON MACHINE            |                           |
| SM3  | SHAS 16                          | SAS10                        | AUTOSPOT SWITCH PANEL         |                           |
| SM3  | WCJ 21                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| SM3  | WCN 21                           |                              | LOW VOLTAGE C/BOX & SW PNL    |                           |
| SM3  | WCX 17                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| SM3  | WCY 10                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| SM3  | WCZ 7                            |                              | AUTOSPOT CONTROL BOX          |                           |
| SRH  | 1MT12 3                          | BWA08                        | LOW VOLTAGE CONTROL BOX       |                           |
| SRH  | 1MT12 4                          | BWA08                        | LOW VOLTAGE CONTROL BOX       |                           |
| SRH  | 1MT33 3                          | BWA04                        | PROCESSOR CONTROL BOX         |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| SRH  | 1MT52 3                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRH  | 1MT52 4                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRH  | 1MTA2 3                          | BWA04                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRH  | 1MTA2 4                          | BWA04                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRH  | 2MT12 4                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRH  | TBP 7                            | BWA04                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | 1MT12 1                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | 1MT12 2                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | 1MT33 1                          | BWA05                        | PROCESSOR CONTROL BOX    |                           |
| SRL  | 1MT52 1                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | 1MT52 2                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | 1MTA2 1                          | BWA05                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | 1MTA2 2                          | BWA05                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | 2MT12 2                          | BWA08                        | LOW VOLTAGE CONTROL BOX  |                           |
| SRL  | TBP 8                            | BWA05                        | LOW VOLTAGE CONTROL BOX  |                           |
| STM  | 1MT14 5                          | SEV07                        | LOW VOLTAGE CONTROL BOX  |                           |
| STM  | CRSTM 4                          | SEV07                        | LOW VOLTAGE CONTROL BOX  |                           |
| STM  | VESTM A                          | SEV07                        | RIGHT AIR VALVE ASSEMBLY |                           |
| STM  | WCQ 5                            |                              | RIGHT AIR VALVE ASSEMBLY |                           |
| STM  | WCV 5                            |                              | LOW VOLTAGE CONTROL BOX  |                           |
| T1R  | 1MT58 6                          | BWA13                        | LOW VOLTAGE CONTROL BOX  |                           |
| T1W  | 1MT58 3                          | BWA14                        | LOW VOLTAGE CONTROL BOX  |                           |
| TE1  | ETE1 K                           |                              | HIGH VOLTAGE CONTROL BOX |                           |
| TE1  | ETWA V                           |                              | HIGH VOLTAGE CONTROL BOX |                           |
| TE2  | ETE1 V                           |                              | HIGH VOLTAGE CONTROL BOX |                           |
| TE2  | ETE2 K                           |                              | HIGH VOLTAGE CONTROL BOX |                           |
| TWA  | ETDR V                           |                              | HIGH VOLTAGE CONTROL BOX |                           |
| TWA  | ETWA K                           |                              | HIGH VOLTAGE CONTROL BOX |                           |
| V1   | 1MT11 3                          | BWA09                        | LOW VOLTAGE CONTROL BOX  |                           |
| V1   | 1MT11 4                          | BWA09                        | LOW VOLTAGE CONTROL BOX  |                           |
| V1   | 1MT31 3                          | BWA04                        | PROCESSOR CONTROL BOX    |                           |
| V1   | 1MT31 4                          | BWA04                        | PROCESSOR CONTROL BOX    |                           |
| V1   | 1MT40 1                          | BWA09                        | PROCESSOR CONTROL BOX    |                           |
| V1   | 1MT51 3                          | BWA09                        | LOW VOLTAGE CONTROL BOX  |                           |
| V1   | 1MT51 4                          | BWA09                        | LOW VOLTAGE CONTROL BOX  |                           |
| V1   | 1MTA1 3                          | BWA03                        | LOW VOLTAGE CONTROL BOX  |                           |
| V1   | 1MTA1 4                          | BWA03                        | LOW VOLTAGE CONTROL BOX  |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| V1   | 1MTD 1                           | BWA02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1   | 2MT11 3                          | BWA09                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1   | TBP 3                            | BWA03                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1   | WCP 5                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |
| V1A  | 1MTA6 1                          | SCF02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1A  | 1MTA6 1                          | SCL04                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1A  | CR01M 4                          | SCF02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1A  | CR01M 4                          | SCL04                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1A  | VEC01 A                          | SCF02                        | MOUNTED ON MACHINE            |                           |
| V1A  | VEC01 A                          | SCL04                        | MOUNTED ON MACHINE            |                           |
| V1A  | WCR 10                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| V1A  | WCS 1                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| V1L  | 2MT15 3                          | SCL05                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1L  | CRL1M 4                          | SCL05                        | LOW VOLTAGE CONTROL BOX       |                           |
| V1L  | VEC01AA                          | SCL05                        | MOUNTED ON MACHINE            |                           |
| V1L  | WCF 1                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| V1L  | WCT 1                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| V2   | 1MT11 5                          | BWA10                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | 1MT11 6                          | BWA10                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | 1MT31 5                          | BWA05                        | PROCESSOR CONTROL BOX         |                           |
| V2   | 1MT31 6                          | BWA04                        | PROCESSOR CONTROL BOX         |                           |
| V2   | 1MT40 3                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |
| V2   | 1MT51 5                          | BWA10                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | 1MT51 6                          | BWA10                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | 1MTA1 5                          | BWA03                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | 1MTA1 6                          | BWA03                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | 1MTD 5                           | BWA02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | 2MT11 5                          | BWA10                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | TBP 2                            | BWA03                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2   | WCP 4                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |
| V2A  | 1MTA6 7                          | SCF03                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2A  | 1MTA6 7                          | SCL06                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2A  | CR02M 4                          | SCF03                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2A  | CR02M 4                          | SCL06                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2A  | VEC02 A                          | SCF03                        | MOUNTED ON MACHINE            |                           |
| V2A  | VEC02 A                          | SCL06                        | MOUNTED ON MACHINE            |                           |
| V2A  | WCR 11                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| V2A  | WCS 2                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| V2L  | 2MT15 1                          | SCL07                        | LOW VOLTAGE CONTROL BOX       |                           |
| V2L  | CRL2M 4                          | SCL07                        | LOW VOLTAGE CONTROL BOX       |                           |

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|------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| V2L  | VEC02AA                          | SCL07                        | MOUNTED ON MACHINE            |                           |
| V2L  | WCF 2                            |                              | LOW VOLTAGE CONTROL BOX       |                           |
| V2L  | WCT 2                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| V3   | 1MT11 7                          | BWA11                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | 1MT11 8                          | BWA11                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | 1MT31 8                          | BWA04                        | PROCESSOR CONTROL BOX         |                           |
| V3   | 1MT40 5                          | BWA09                        | PROCESSOR CONTROL BOX         |                           |
| V3   | 1MT51 7                          | BWA11                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | 1MT51 8                          | BWA11                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | 1MTA1 7                          | BWA02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | 1MTA1 8                          | BWA02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | 1MTD 8                           | BWA02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | 2MT11 7                          | BWA11                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | TBF 1                            | BWA02                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3   | WCF 3                            |                              | LOW VOLTAGE & PROCESSOR C/BOX |                           |
| V3A  | 1MTA6 5                          | SCF04                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3A  | 1MTA6 5                          | SCL08                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3A  | CR03M 4                          | SCF04                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3A  | CR03M 4                          | SCL08                        | LOW VOLTAGE CONTROL BOX       |                           |
| V3A  | VEC03 A                          | SCF04                        | MOUNTED ON MACHINE            |                           |
| V3A  | VEC03 A                          | SCL08                        | MOUNTED ON MACHINE            |                           |
| V3A  | WCR 12                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| V3A  | WCS 3                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| V4A  | 1MTA610                          | SCF05                        | LOW VOLTAGE CONTROL BOX       |                           |
| V4A  | 1MTA610                          | SCL09                        | LOW VOLTAGE CONTROL BOX       |                           |
| V4A  | CR04M 4                          | SCF05                        | LOW VOLTAGE CONTROL BOX       |                           |
| V4A  | CR04M 4                          | SCL09                        | LOW VOLTAGE CONTROL BOX       |                           |
| V4A  | VEC04 A                          | SCL09                        | MOUNTED ON MACHINE            |                           |
| V4A  | WCR 13                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| V4A  | WCS 4                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| V5A  | 1MTA6 9                          | SCF06                        | LOW VOLTAGE CONTROL BOX       |                           |
| V5A  | 1MTA6 9                          | SCL10                        | LOW VOLTAGE CONTROL BOX       |                           |
| V5A  | CR05M 4                          | SCF06                        | LOW VOLTAGE CONTROL BOX       |                           |
| V5A  | CR05M 4                          | SCL10                        | LOW VOLTAGE CONTROL BOX       |                           |
| V5A  | VEC05 A                          | SCF06                        | MOUNTED ON MACHINE            |                           |
| V5A  | VEC05 A                          | SCL10                        | MOUNTED ON MACHINE            |                           |
| V5A  | WCR 14                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| V5A  | WCS 5                            |                              | HIGH VOLTAGE CONTROL BOX      |                           |
| V6A  | 2MT16 7                          | SCL11                        | LOW VOLTAGE CONTROL BOX       |                           |
| V6A  | CR06M 4                          | SCL11                        | LOW VOLTAGE CONTROL BOX       |                           |

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|------|----------------------------------|------------------------------|----------------------------|---------------------------|
| V6A  | VEC06 A                          | SCL11                        | MOUNTED ON MACHINE         |                           |
| VB1  | SMERB 7                          | SS+07                        | MOUNTED ON MACHINE         |                           |
| VB1  | SMWVB 1                          | SS+06                        | HIGH VOLTAGE CONTROL BOX   |                           |
| VB1  | TBS U                            | SS+06                        | LOW VOLTAGE CONTROL BOX    |                           |
| VB1  | WCQ 22                           |                              | RIGHT AIR VALVE ASSEMBLY   |                           |
| VB1  | WCR 34                           |                              | LOW VOLTAGE CONTROL BOX    |                           |
| VB1  | WCV 22                           |                              | LOW VOLTAGE CONTROL BOX    |                           |
| VB7  | ETE2 V                           |                              | HIGH VOLTAGE CONTROL BOX   |                           |
| VB7  | SMWVB 7                          | SS+06                        | HIGH VOLTAGE CONTROL BOX   |                           |
| VFL  | 2MT16 5                          | SCL12                        | LOW VOLTAGE CONTROL BOX    |                           |
| VFL  | CRFLM 4                          | SCL12                        | LOW VOLTAGE CONTROL BOX    |                           |
| VFL  | VECFL A                          | SCL12                        | MOUNTED ON MACHINE         |                           |
| VFL  | WCF 6                            |                              | LOW VOLTAGE CONTROL BOX    |                           |
| VFL  | WCT 6                            |                              | HIGH VOLTAGE CONTROL BOX   |                           |
| VSA  | 1MT13 5                          | SS+12                        | LOW VOLTAGE CONTROL BOX    |                           |
| VSA  | CRWSM 4                          | SS+12                        | LOW VOLTAGE CONTROL BOX    |                           |
| VSA  | ELWVS A                          | SS+13                        | SWITCH PANEL               |                           |
| VSA  | TBS C                            | SS+12                        | LOW VOLTAGE CONTROL BOX    |                           |
| VSA  | VEWVS A                          | SS+12                        | MOUNTED ON MACHINE         |                           |
| VSA  | WCJ 6                            |                              | LOW VOLTAGE CONTROL BOX    |                           |
| VSA  | WCN 6                            |                              | LOW VOLTAGE C/BOX & SW PNL |                           |
| VSA  | WCQ 11                           |                              | RIGHT AIR VALVE ASSEMBLY   |                           |
| VSA  | WCV 11                           |                              | LOW VOLTAGE CONTROL BOX    |                           |
| W2L  | 1MTA5 3                          | SMC12                        | LOW VOLTAGE CONTROL BOX    |                           |
| W2L  | CRW2M 4                          | SMC12                        | LOW VOLTAGE CONTROL BOX    |                           |
| W2L  | CSW2N V                          | SMC12                        | 2SPD WASH CONTROL BOX      |                           |
| W2L  | WC2 1                            |                              | HIGH VOLTAGE CONTROL BOX   |                           |
| W2L  | WCY 15                           |                              | LOW VOLTAGE CONTROL BOX    |                           |
| W2N  | 1MTA5 1                          | SMC13                        | LOW VOLTAGE CONTROL BOX    |                           |
| W2N  | CRW2M 1                          | SMC13                        | LOW VOLTAGE CONTROL BOX    |                           |
| W2N  | CSW2L V                          | SMC13                        | 2SPD WASH CONTROL BOX      |                           |
| W2N  | WC2 2                            |                              | HIGH VOLTAGE CONTROL BOX   |                           |
| W2N  | WCY 17                           |                              | LOW VOLTAGE CONTROL BOX    |                           |
| W2R  | CRASS 3                          | SSP01                        | AUTOSFOT CONTROL BOX       | 4A4M                      |
| W2R  | VEBR2 A                          | SSP01                        | RIGHT AIR VALVE ASSEMBLY   |                           |
| W2R  | WCQ 8                            |                              | RIGHT AIR VALVE ASSEMBLY   |                           |
| W2R  | WCR 36                           |                              | LOW VOLTAGE CONTROL BOX    |                           |
| W2R  | WCV 8                            |                              | LOW VOLTAGE CONTROL BOX    |                           |

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| WZR  | WCX 12                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| WAA  | CSWA A                           | SMC09                        | HIGH VOLTAGE CONTROL BOX      |                           |
| WAA  | CSWC K                           | SMC09                        | HIGH VOLTAGE CONTROL BOX      |                           |
| WAM  | 1MT14 8                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WAM  | CRWAM 7                          | SMC09                        | LOW VOLTAGE CONTROL BOX       |                           |
| WAM  | CRWAM 7                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WAM  | CSDRL K                          | SMC11                        | HIGH VOLTAGE CONTROL BOX      |                           |
| WAV  | CRASM 2                          | SMC10                        | AUTOSPOT CONTROL BOX          | 4B3M                      |
| WAV  | CSWA V                           | SMC10                        | HIGH VOLTAGE CONTROL BOX      |                           |
| WAV  | WCX 23                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| WAX  | 1MT13 1                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WAX  | 1MT14 9                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WAX  | CRWAM 1                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WAX  | CRWCM 7                          | SMC10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WBR  | 1MT15 8                          | SEV03                        | LOW VOLTAGE CONTROL BOX       |                           |
| WBR  | CRAS1 8                          | SEV02                        | AUTOSPOT CONTROL BOX          | 4B2M                      |
| WBR  | CRASL 9                          | SEV03                        | AUTOSPOT CONTROL BOX          | 4A3M                      |
| WBR  | CRBRM 4                          | SEV03                        | LOW VOLTAGE CONTROL BOX       |                           |
| WBR  | TBS A                            | SEV03                        | LOW VOLTAGE CONTROL BOX       |                           |
| WBR  | WCR 17                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| WBR  | WCX 1                            |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| WCA  | CSWA K                           | SMC10                        | HIGH VOLTAGE CONTROL BOX      |                           |
| WCA  | CSWC A                           | SMC10                        | HIGH VOLTAGE CONTROL BOX      |                           |
| WCD  | 1MTA5 5                          | SEV10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WCD  | CRCCM 4                          | SEV10                        | LOW VOLTAGE CONTROL BOX       |                           |
| WCD  | VETCW A                          | SEV10                        | LEFT AIR VALVE ASSEMBLY       |                           |
| WCD  | WCQ 23                           |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| WCD  | WCV 23                           |                              | LOW VOLTAGE CONTROL BOX       |                           |
| WCV  | CRASM 1                          | SMC09                        | AUTOSPOT CONTROL BOX          | 4B3M                      |
| WCV  | CSWC V                           | SMC09                        | HIGH VOLTAGE CONTROL BOX      |                           |
| WCV  | WCX 28                           |                              | AUTOSPOT & HIGH VOLTAGE C/BOX |                           |
| WVC  | 1MT15 3                          | SEV05                        | LOW VOLTAGE CONTROL BOX       |                           |
| WVC  | CRVCM 4                          | SEV05                        | LOW VOLTAGE CONTROL BOX       |                           |
| WVC  | VEWVC A                          | SEV05                        | RIGHT AIR VALVE ASSEMBLY      |                           |
| WVC  | WCQ 7                            |                              | RIGHT AIR VALVE ASSEMBLY      |                           |
| WVC  | WCV 7                            |                              | LOW VOLTAGE CONTROL BOX       |                           |

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|------|----------------------------------|------------------------------|--------------------------|---------------------------|
| WVH  | 1MT15 6                          | SEV04                        | LOW VOLTAGE CONTROL BOX  |                           |
| WVH  | CRVHM 4                          | SEV04                        | LOW VOLTAGE CONTROL BOX  |                           |
| WVH  | VEWVH A                          | SEV04                        | RIGHT AIR VALVE ASSEMBLY |                           |
| WVH  | WCQ 6                            |                              | RIGHT AIR VALVE ASSEMBLY |                           |
| WVH  | WCV 6                            |                              | LOW VOLTAGE CONTROL BOX  |                           |
| WVX  | 1MT15 1                          | SEV08                        | LOW VOLTAGE CONTROL BOX  |                           |
| WVX  | CRVXM 4                          | SEV08                        | LOW VOLTAGE CONTROL BOX  |                           |
| WVX  | VEWVX A                          | SEV08                        | RIGHT AIR VALVE ASSEMBLY |                           |
| WVX  | WCQ 19                           |                              | RIGHT AIR VALVE ASSEMBLY |                           |
| WVX  | WCV 19                           |                              | LOW VOLTAGE CONTROL BOX  |                           |