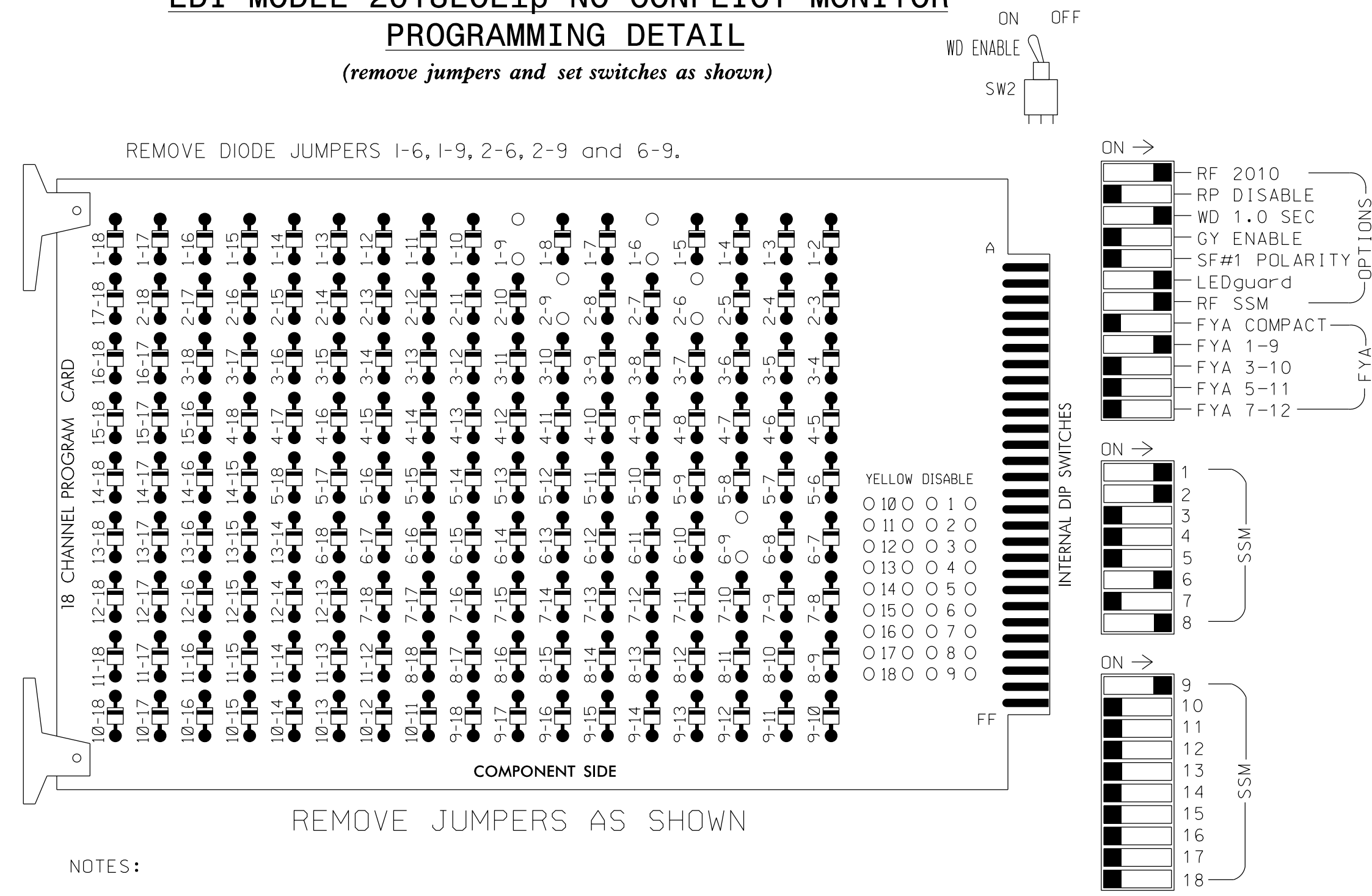


### EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



**NOTES:**

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.

### NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Elizabeth City Signal System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070LX  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S8,S11,AUX S1  
 PHASES USED.....1,2,6,8  
 OVERLAP "A".....\*  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....NOT USED

\* See overlap programming detail on sheet 2

### SIGNAL HEAD HOOK-UP CHART

| LOAD SWITCH NO.       | S1  | S2  | S3    | S4 | S5 | S6    | S7 | S8    | S9    | S10 | S11   | S12   | AUX S1 | AUX S2 | AUX S3 | AUX S4 | AUX S5 | AUX S6 |
|-----------------------|-----|-----|-------|----|----|-------|----|-------|-------|-----|-------|-------|--------|--------|--------|--------|--------|--------|
| CMJ CHANNEL NO.       | 1   | 2   | 13    | 3  | 4  | 14    | 5  | 6     | 15    | 7   | 8     | 16    | 9      | 10     | 17     | 11     | 12     | 18     |
| PHASE                 | 1   | 2   | 2 PED | 3  | 4  | 4 PED | 5  | 6     | 6 PED | 7   | 8     | 8 PED | OLA    | OLB    | SPARE  | OLC    | OLD    | SPARE  |
| SIGNAL HEAD NO.       | 11  | 82  | 21,22 | NU | NU | NU    | NU | 61,62 | NU    | NU  | 81,82 | NU    | 11     | NU     | NU     | NU     | NU     | NU     |
| RED                   | *   | 128 |       |    |    |       |    | 134   |       |     | 107   |       |        |        |        |        |        |        |
| YELLOW                |     | 129 |       |    |    |       |    | 135   |       |     | 108   |       |        |        |        |        |        |        |
| GREEN                 |     | 130 |       |    |    |       |    | 136   |       |     | 109   |       |        |        |        |        |        |        |
| RED ARROW             |     |     |       |    |    |       |    |       |       |     |       |       | A121   |        |        |        |        |        |
| YELLOW ARROW          |     | 126 |       |    |    |       |    |       |       |     |       |       |        | A122   |        |        |        |        |
| FLASHING YELLOW ARROW |     |     |       |    |    |       |    |       |       |     |       |       |        | A123   |        |        |        |        |
| GREEN ARROW           | 127 | 127 |       |    |    |       |    |       |       |     |       |       |        |        |        |        |        |        |

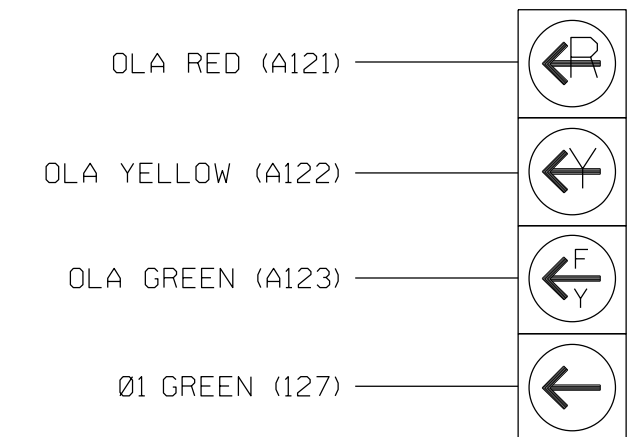
NU = Not Used

\* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

### FYA SIGNAL WIRING DETAIL

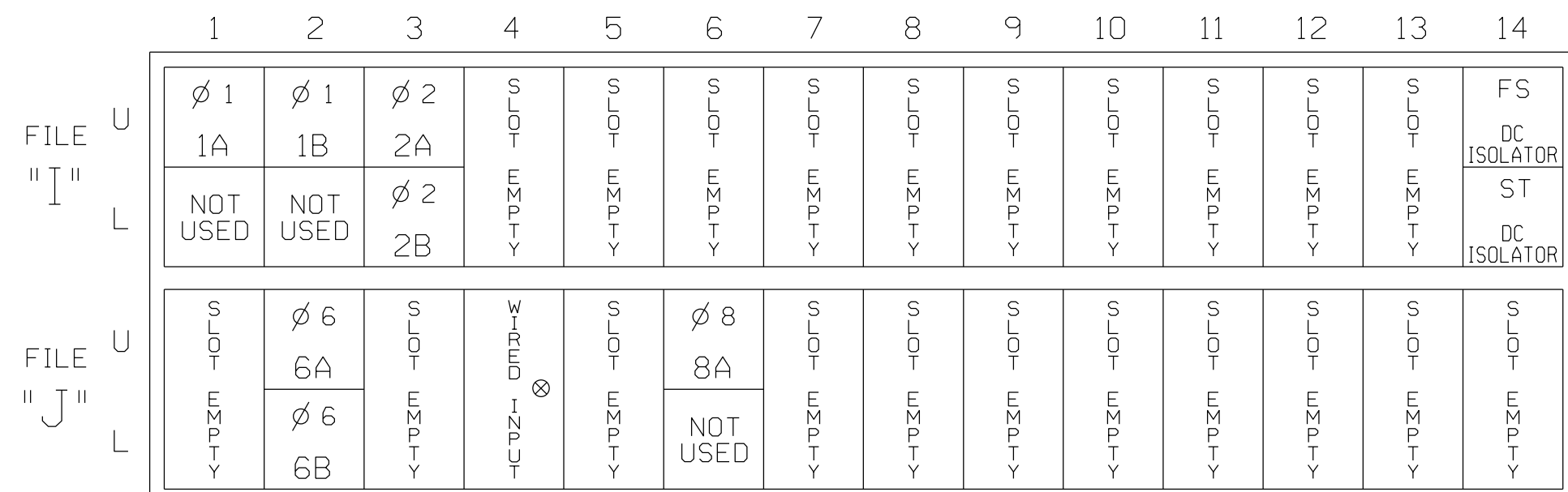
(wire signal heads as shown)



11

### INPUT FILE POSITION LAYOUT

(front view)



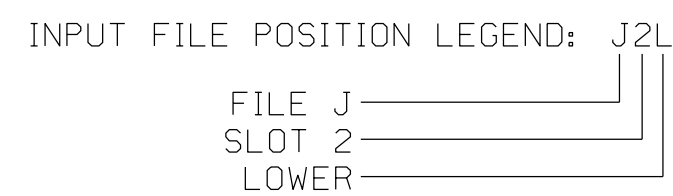
EX.: 1A, 2A, ETC. = LOOP NO.'S  
 ⊗ Wired Input - Do not populate slot with detector card

FS = FLASH SENSE  
 ST = STOP TIME

### INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO.        | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND TIME | DELAY TIME | ADDED INITIAL | DETECTOR TYPE |
|-----------------|---------------|-----------------|---------|--------------|------------|------|-------------|------------|---------------|---------------|
| 1A <sup>1</sup> | TB2-1,2       | I1U             | 56      | 1            | 1          | YES  |             | 15         |               | S             |
|                 | -             | J4U             | 48      | 26           | 6          | YES  |             | 3          |               | G             |
| 1B              | TB2-5,6       | I2U             | 39      | 2            | 1          | YES  |             | 15         |               | S             |
| 2A              | TB2-9,10      | I3U             | 63      | 32           | 2          | YES  |             |            | X             | N             |
| 2B              | TB2-11,12     | I3L             | 76      | 42           | 2          | YES  |             |            | X             | N             |
| 6A              | TB3-5,6       | J2U             | 40      | 6            | 6          | YES  |             |            | X             | N             |
| 6B              | TB3-7,8       | J2L             | 44      | 16           | 6          | YES  |             |            | X             | N             |
| 8A              | TB5-9,10      | J6U             | 42      | 8            | 8          | YES  |             |            |               | S             |

<sup>1</sup>Add jumper from I1-W to J4-W, on rear of input file.



### ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
- From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**

#### OVERLAP A

Select TMG VEH OVLP [A] and 'PPLT FYA'

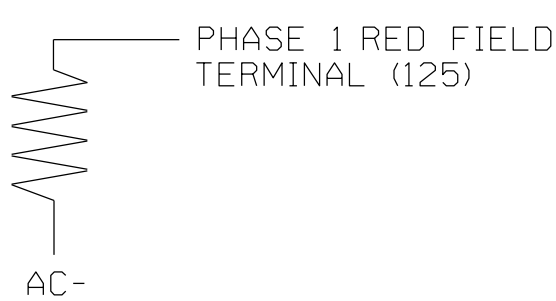
TMG VEH OVLP...[A] TYPE: ....PPLT FYA  
 PROTECTED LEFT TURN.... PHASE 1  
 OPPOSING THROUGH..... PHASE 2  
 FLASHING ARROW OUTPUT....CH9 ISOLATE  
 DELAY START OF: FYA..0.0 CLEARANCE..0.0  
 ACTION PLAN SF BIT DISABLE..... 0

END PROGRAMMING

### LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

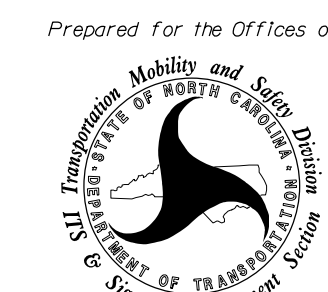
| VALUE (ohms) | WATTAGE   |
|--------------|-----------|
| 1.5K - 1.9K  | 25W (min) |
| 2.0K - 3.0K  | 10W (min) |



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 01-0712  
 DESIGNED: MARCH 2018  
 SEALED: 08/22/2018  
 REVISED: N/A

### Electrical Detail

ELECTRICAL AND PROGRAMMING DETAILS FOR:



Plans Prepared By:  
**DRMP**

DRMP, Inc.  
 8000 Regency Parkway, Suite 175  
 Cary, NC 27518  
 NC License No. C-2215 (019) 650-1038

750 N. Greenfield Pkwy, Garner, NC 27529

US 17-158 (N. Road St.)

at  
 SR 1383 (College of the Albemarle Drive)

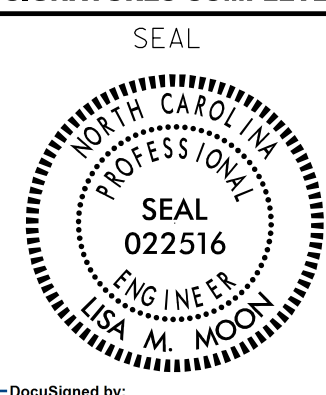
Division 1 Pasquotank County Elizabeth City

PLAN DATE: March 2018 REVIEWED BY: AJ Davis

PREPARED BY: DJ White REVIEWED BY: Lisa M. Moon

REVISIONS INIT. DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DocuSigned by:  
 Lisa M. Moon 9/20/2018

SIG. INVENTORY NO. 01-0712