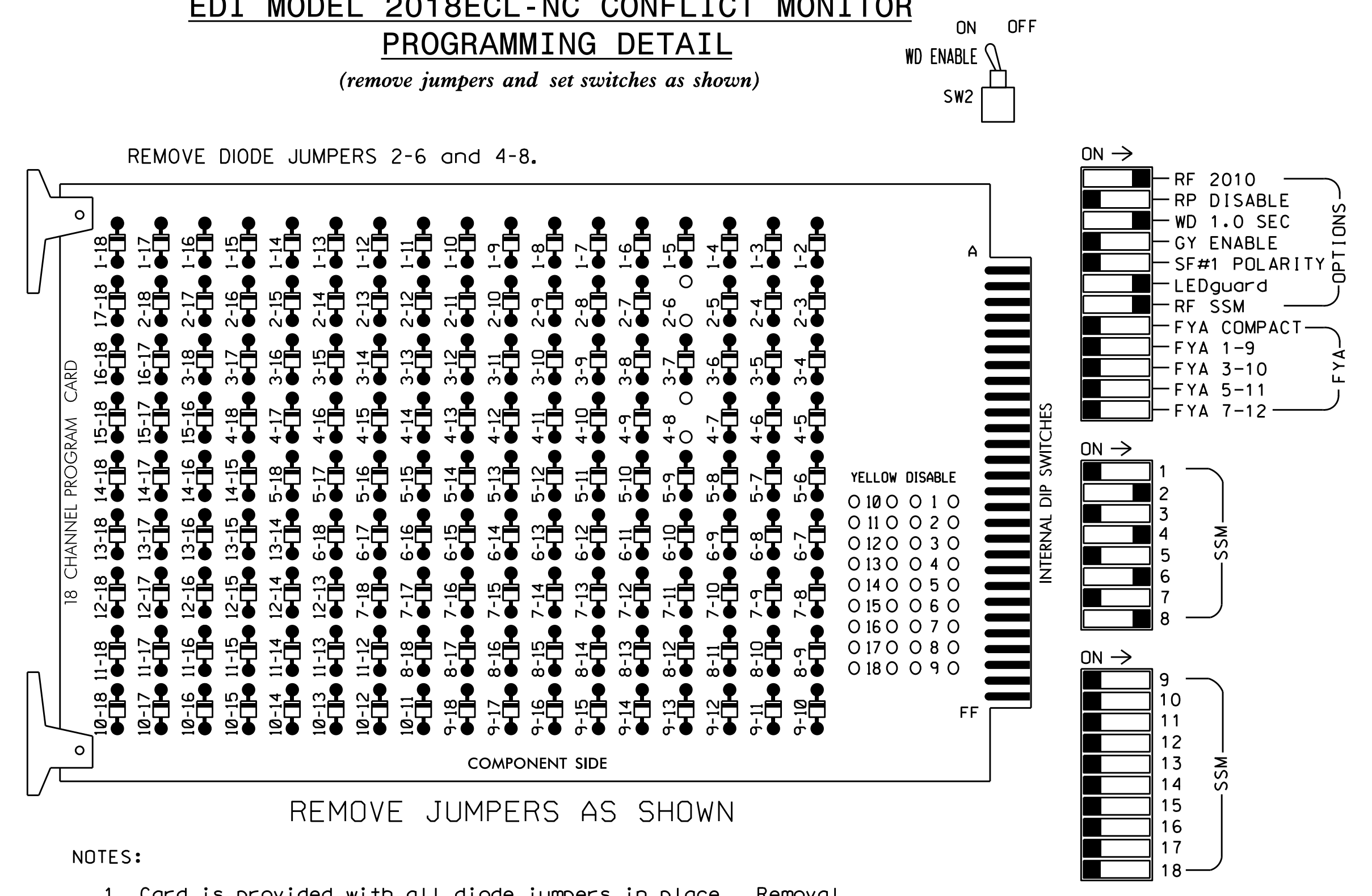


### EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

### 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 phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green and 6 Green.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the City of Concord Central System.

### SIGNAL HEAD HOOK-UP CHART

| LOAD SWITCH NO. | S1 | S2    | S3    | S4 | S5    | S6    | S7 | S8    | S9    | S10 | S11   | S12   |
|-----------------|----|-------|-------|----|-------|-------|----|-------|-------|-----|-------|-------|
| CMU CHANNEL NO. | 1  | 2     | 13    | 3  | 4     | 14    | 5  | 6     | 15    | 7   | 8     | 16    |
| PHASE           | 1  | 2     | 2 PED | 3  | 4     | 4 PED | 5  | 6     | 6 PED | 7   | 8     | 8 PED |
| SIGNAL HEAD NO. | NU | 21,22 | NU    | NU | 41,42 | NU    | NU | 61,62 | NU    | NU  | 81,82 | NU    |
| RED             |    | 128   |       |    | 101   |       |    | 134   |       |     | 107   |       |
| YELLOW          |    | 129   |       |    | 102   |       |    | 135   |       |     | 108   |       |
| GREEN           |    | 130   |       |    | 103   |       |    | 136   |       |     | 109   |       |
| RED ARROW       |    |       |       |    |       |       |    |       |       |     |       |       |
| YELLOW ARROW    |    |       |       |    |       |       |    |       |       |     |       |       |
| GREEN ARROW     |    |       |       |    |       |       |    |       |       |     |       |       |

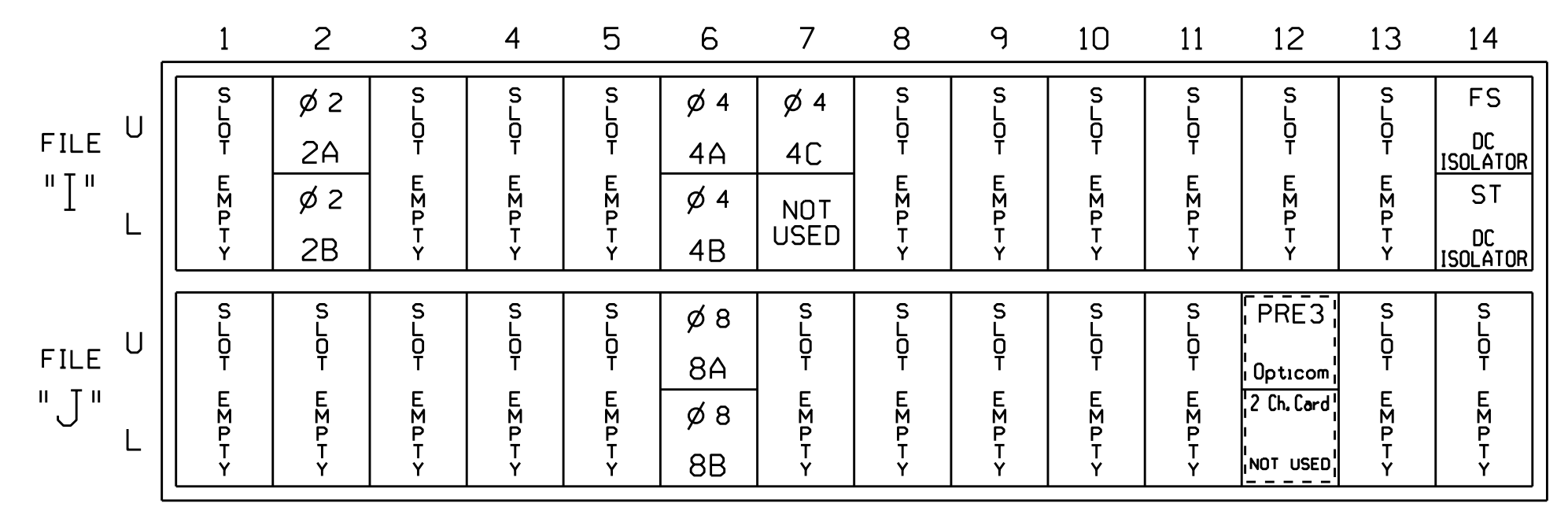
NU = Not Used

### EQUIPMENT INFORMATION

CONTROLLER.....2070  
 CABINET.....332  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S5,S8,S11  
 PHASES USED.....2,4,6,8  
 OVERLAPS.....NONE

### INPUT FILE POSITION LAYOUT

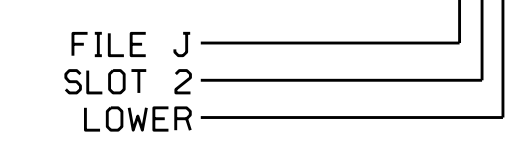
(front view)



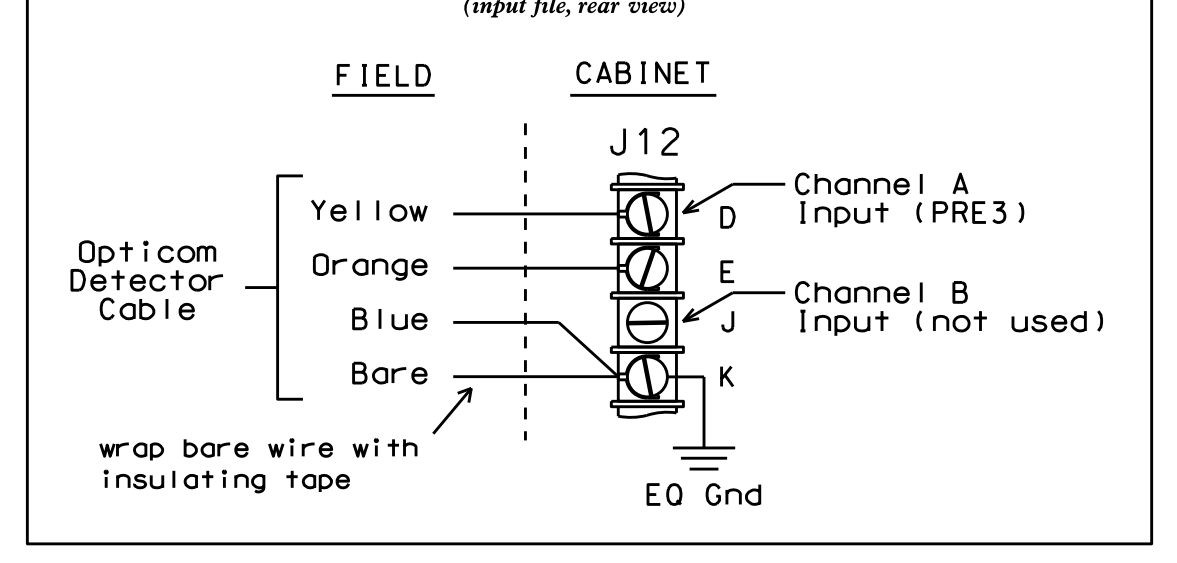
### INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND TIME | DELAY TIME | ADDED INITIAL | DETECTOR TYPE |
|----------|---------------|-----------------|---------|--------------|------------|------|-------------|------------|---------------|---------------|
| 2A       | TB2-5,6       | I2U             | 39      | 2            | 2          | YES  |             |            | X             | N             |
| 2B       | TB2-7,8       | I2L             | 43      | 12           | 2          | YES  |             |            | X             | N             |
| 4A       | TB4-9,10      | I6U             | 41      | 4            | 4          | YES  |             |            |               | N             |
| 4B       | TB4-11,12     | I6L             | 45      | 14           | 4          | YES  |             | 10         |               | N             |
| 4C       | TB6-1,2       | I7U             | 65      | 34           | 4          | YES  |             | 15         |               | N             |
| 8A       | TB5-9,10      | J6U             | 42      | 8            | 8          | YES  |             |            |               | N             |
| 8B       | TB5-11,12     | J6L             | 46      | 18           | 8          | YES  |             | 15         |               | N             |

INPUT FILE POSITION LEGEND: J2L



### TYPICAL OPTICOM FIELD WIRE DETAIL



### SPECIAL DETECTOR NOTE

For detectors 6A, 6B, 6C and 6D install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-0446T3  
 DESIGNED: January 2022  
 SEALED: 1/14/2022  
 REVISED:

Electrical Detail - Temp 3 - Sheet 1 of 2

Electrical and Programming Details for: US 29-601 (Concord Parkway North) at SR 1394 (Poplar Tent Rd) / McGill Avenue

Division 10 Cabarrus County Concord

PLAN DATE: January 2022 REVIEWED BY: T. Joyce  
 PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: *T. Todd Joyce* 01/18/2022

750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
 PROFESSIONAL ENGINEER  
 SEAL 031001  
 T. TODD JOYCE

SIG. INVENTORY NO. 10-0446T3

18-1116-2022 13:57  
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