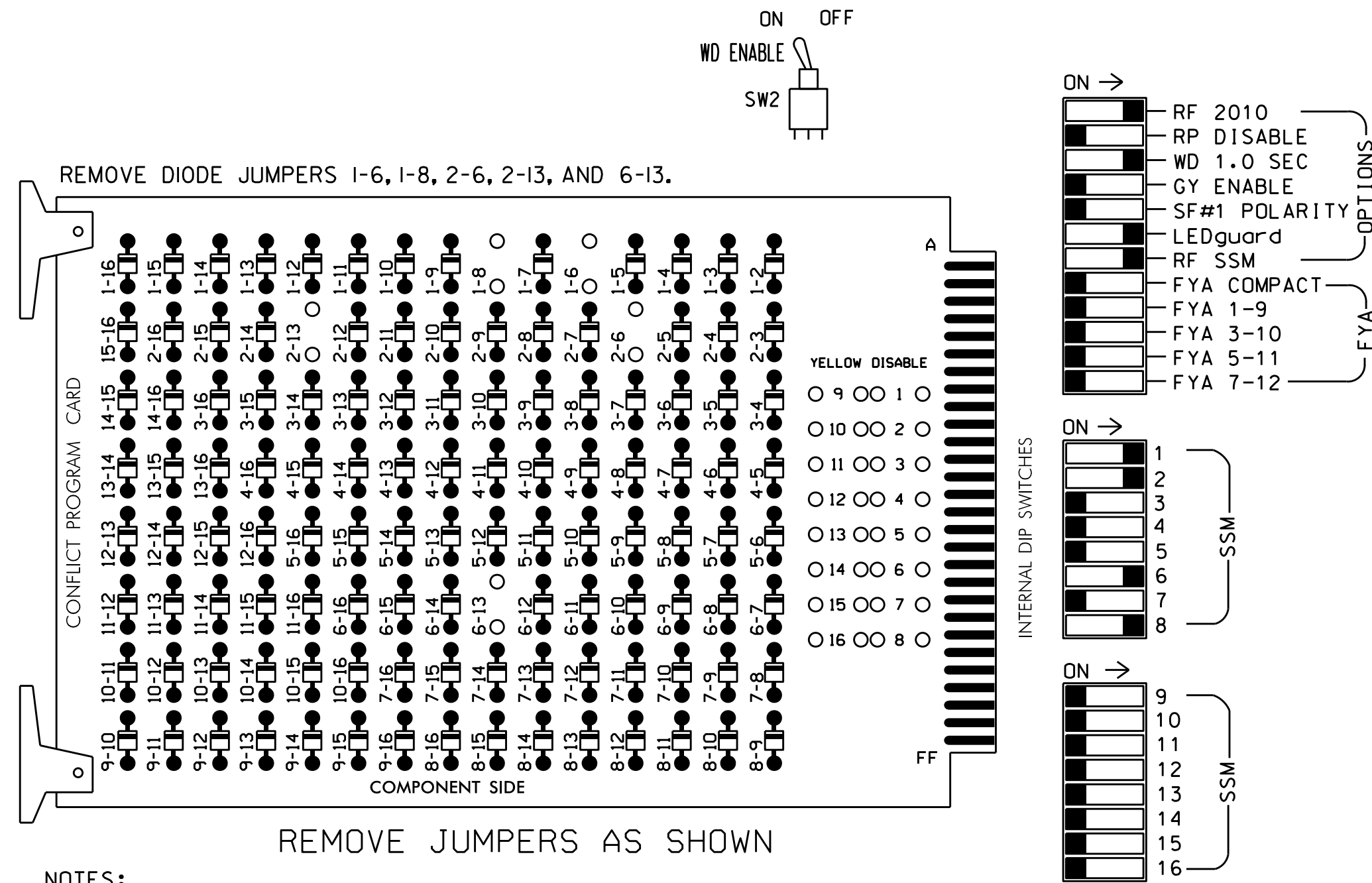


**EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(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.
  - Make sure jumpers SEL2-SEL5 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.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 2 and 6 for Startup In Green.
- Program phase 2 for Startup Ped Call.
- Program phases 2 and 6 for Yellow Flash.
- The cabinet and controller are part of the High Point Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070  
 CABINET.....332  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S3,S8,S11  
 PHASES USED.....1,2,2 PED,6,8  
 OVERLAP "A".....1+8  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....NOT USED

**SIGNAL HEAD HOOK-UP CHART**

| LOAD SWITCH NO. | S1    | S2          | S3          | S4 | S5 | S6    | S7 | S8          | S9    | S10 | S11 | S12   |    |
|-----------------|-------|-------------|-------------|----|----|-------|----|-------------|-------|-----|-----|-------|----|
| CMJ CHANNEL NO. | 1     | 2           | 13          | 3  | 4  | 14    | 5  | 6           | 15    | 7   | 8   | 16    |    |
| PHASE           | QLA   | 2           | 2 PED       | 3  | 4  | 4 PED | 5  | 6           | 6 PED | 7   | 8   | 8 PED |    |
| SIGNAL HEAD NO. | 11,12 | 21,22<br>23 | P21,<br>P22 | NU | NU | NU    | NU | 61,62<br>63 | NU    | NU  | 81  | 82    | NU |
| RED             | 125   | 128         |             |    |    |       |    | 134         |       |     | 107 | 107   |    |
| YELLOW          |       | 129         |             |    |    |       |    | 135         |       |     | 108 | 108   |    |
| GREEN           |       |             |             |    |    |       |    |             |       |     | 109 | 109   |    |
| RED ARROW       |       |             |             |    |    |       |    |             |       |     |     |       |    |
| YELLOW ARROW    | 126   |             |             |    |    |       |    |             |       |     |     |       |    |
| GREEN ARROW     | 127   | 130         |             |    |    |       |    | 136         |       |     | 109 |       |    |
| Hand            |       |             | 113         |    |    |       |    |             |       |     |     |       |    |
| Person          |       |             | 115         |    |    |       |    |             |       |     |     |       |    |

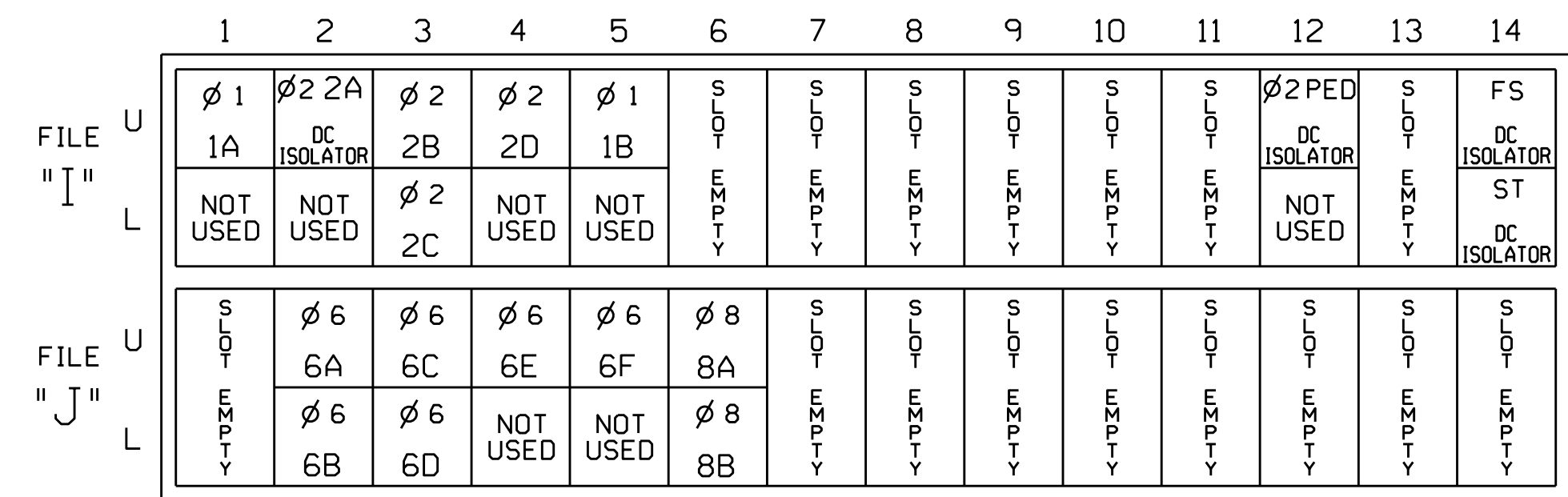
NU = Not Used  
 NOTE: Load Switch S1 requires output remapping. See sheet 3 of this electrical detail for instructions.

**COUNTDOWN PEDESTRIAN SIGNAL OPERATION**

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

**INPUT FILE POSITION LAYOUT**

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME

\* Note: Install a model 242 DC isolator in slot 12 for use with microwave detector. See the Microwave Detector Wiring Detail on sheet 2.  
 IMPORTANT: For proper operation of the microwave detector, remove surge protection from TB2-5 and TB2-6, and from TB2-7 and TB2-8.

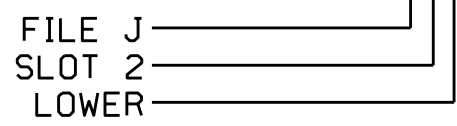
**INPUT FILE CONNECTION & PROGRAMMING CHART**

| LOOP / ZONE NO.  | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT ASSIGNMENT NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND | FULL TIME DELAY | STRETCH TIME | DELAY TIME |
|------------------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 1A               | TB2-1,2       | I1U             | 56      | 18                   | 1            | 1          | Y    | Y      |                 |              | 10         |
| ★ 2A             | TB2-5,6       | I2U             | 39      | 1                    | 2            | 2          | Y    | Y      |                 | 1.6          |            |
| 2B               | TB2-9,10      | I3U             | 63      | 25                   | 32           | 2          | Y    | Y      |                 |              |            |
| 2C               | TB2-11,12     | I3L             | 76      | 38                   | 42           | 2          | Y    | Y      |                 |              |            |
| 2D               | TB4-1,2       | I4U             | 47      | 9                    | 22           | 2          | Y    | Y      |                 |              |            |
| 1B               | TB4-5,6       | I5U             | 58      | 20                   | 3            | 1          | Y    | Y      |                 |              | 15         |
| 6A               | TB3-5,6       | J2U             | 40      | 2                    | 6            | 6          | Y    | Y      |                 | 1.6          |            |
| 6B               | TB3-7,8       | J2L             | 44      | 6                    | 16           | 6          | Y    | Y      |                 | 1.6          |            |
| 6C               | TB3-9,10      | J3U             | 64      | 26                   | 36           | 6          | Y    | Y      |                 | 1.6          |            |
| 6D               | TB3-11,12     | J3L             | 77      | 39                   | 46           | 6          | Y    | Y      |                 |              |            |
| 6E               | TB5-1,2       | J4U             | 48      | 10                   | 26           | 6          | Y    | Y      |                 |              |            |
| 6F               | TB5-5,6       | J5U             | 57      | 19                   | 7            | 6          | Y    | Y      |                 |              |            |
| 8A               | TB5-9,10      | J6U             | 42      | 4                    | 8            | 8          | Y    | Y      |                 |              |            |
| 8B               | TB5-11,12     | J6L             | 46      | 8                    | 18           | 8          | Y    | Y      |                 |              |            |
| PED PUSH BUTTONS |               |                 |         |                      |              |            |      |        |                 |              |            |
| P21,P22          | TB8-4,6       | I12U            | 67      | 29                   | PED 2        | 2 PED      |      |        |                 |              |            |

NOTE: INSTALL DC ISOLATOR IN INPUT FILE SLOT 112.

★ Microwave Pulse Detector (See Wiring Detail Sheet 2).

**INPUT FILE POSITION LEGEND: J2L**



Project #: 170908

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Electrical Detail- Final Design - Sheet 1 of 3

Electrical AND PROGRAMMING DETAILS FOR:

Prepared for:

NC 68 (Eastchester Drive)  
 at  
 I-74 WB/ US 311 NB Ramps

Division 7 Guilford County High Point

PLAN DATE: May 2018 REVIEWED BY: L. Boyer  
 PREPARED BY: A. Ravipati REVIEWED BY: R. Hinshaw

REVISIONS INIT. DATE

DocuSigned by: *[Signature]* 05/18/2018  
 SIGNATURE DATE  
 SIG. INVENTORY NO. 07-1623

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

750 N. Greenfield Pkwy, Garner, NC 27529