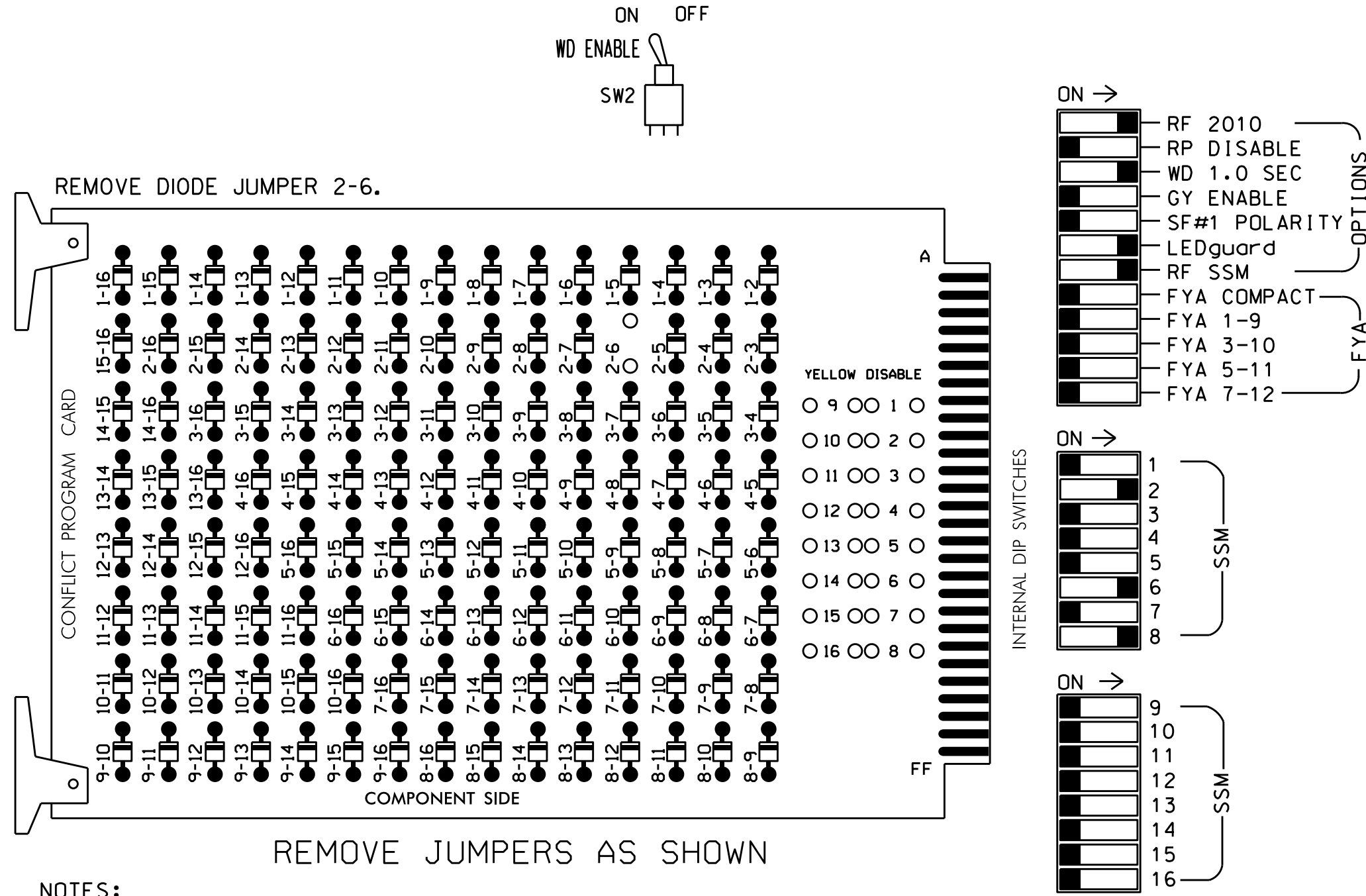


16 CHANNEL CONFLICT MONITOR  
PROGRAMMING DETAIL

(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.

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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,3,4,5,7, 9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Disable all phases for Startup In Green.
- Program 2 and 6 for First Phases.
- Disable all phases for Yellow Flash.

Signal System.

SIGNAL HEAD HOOK-UP CHART

| LOAD SWITCH NO. | S1 | S2    | S2P   | S3 | S4 | S4P   | S5 | S6    | S6P   | S7 | S8    | S8P   | S9  | S10 | S11   | S12 | S13 | S14   |
|-----------------|----|-------|-------|----|----|-------|----|-------|-------|----|-------|-------|-----|-----|-------|-----|-----|-------|
| 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. | NU | 21,22 | NU    | NU | NU | NU    | NU | 61,62 | NU    | NU | 82,83 | NU    | NU  | NU  | NU    | NU  | NU  | NU    |
| RED             |    | 128   |       |    |    |       |    | 134   |       |    | 107   |       |     |     |       |     |     |       |
| YELLOW          |    | 129   |       |    |    |       |    | 135   |       |    |       |       |     |     |       |     |     |       |
| GREEN           |    |       |       |    |    |       |    |       |       |    |       |       |     |     |       |     |     |       |
| RED ARROW       |    |       |       |    |    |       |    |       |       |    |       |       |     |     |       |     |     |       |
| YELLOW ARROW    |    |       |       |    |    |       |    |       |       |    | 108   |       |     |     |       |     |     |       |
| GREEN ARROW     |    | 130   |       |    |    |       |    | 136   |       |    | 109   |       |     |     |       |     |     |       |

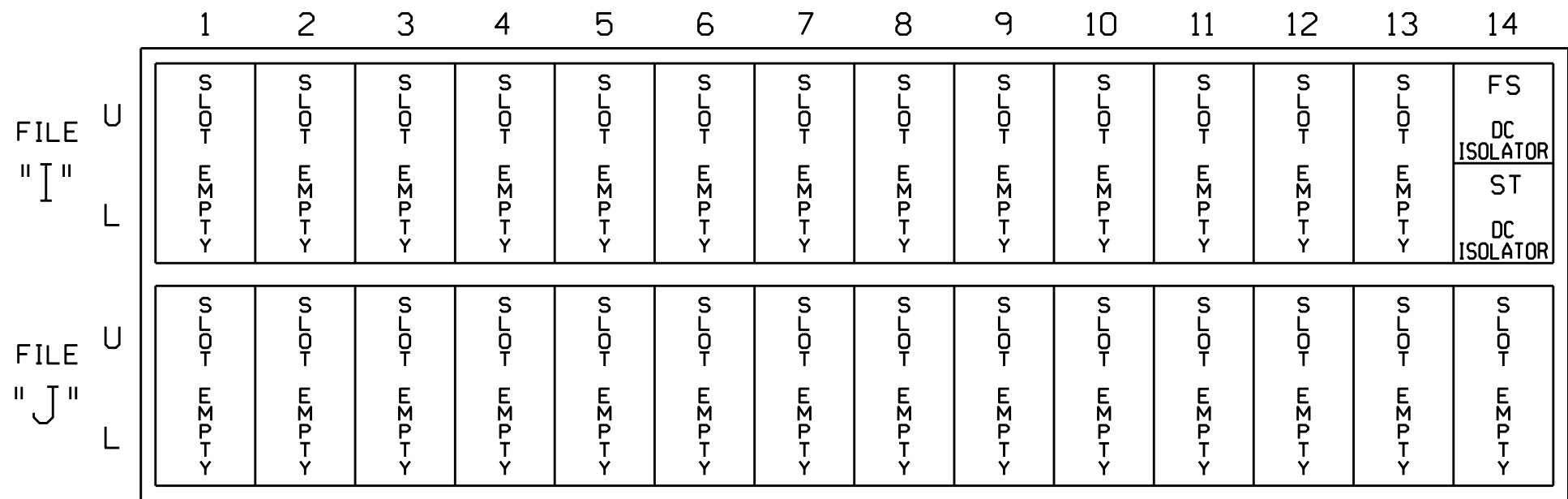
NU = Not Used

EQUIPMENT INFORMATION

CONTROLLER.....2070  
CABINET.....332 W/ AUX  
SOFTWARE.....ECONOLITE OASIS  
CABINET MOUNT.....BASE  
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
LOAD SWITCHES USED.....S2,S6,S8  
PHASES USED.....2,6,8  
OVERLAP "A".....NOT USED  
OVERLAP "B".....NOT USED  
OVERLAP "C".....NOT USED  
OVERLAP "D".....NOT USED

INPUT FILE POSITION LAYOUT

(front view)



EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
ST = STOP TIME

SPECIAL DETECTOR NOTE

Install a non-intrusive 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.

LOAD RESISTOR INSTALLATION DETAIL

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

PHASE 5 YELLOW FIELD  
TERMINAL (132)

REMOVE  
(if present)

AC-

Electrical Detail - Temporary Design 2

ELECTRICAL AND PROGRAMMING  
DETAILS FOR:

Prepared In the Offices of:



750 N. Greenfield Pkwy, Garner, NC 27529

NC 109/SR 4325 (Thomasville Road)  
at  
I-40 WB Ramp

Division 9 Forsyth County Winston-Salem

PLAN DATE: December 2024 REVIEWED BY:

PREPARED BY: James Peterson REVIEWED BY:

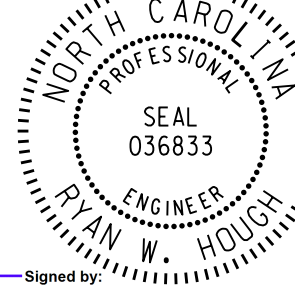
REVISIONS INIT. DATE

Signed by: Ryan W. Hough 1/13/2025

DATE

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

SEAL



SIG. INVENTORY NO. 09-0599T2