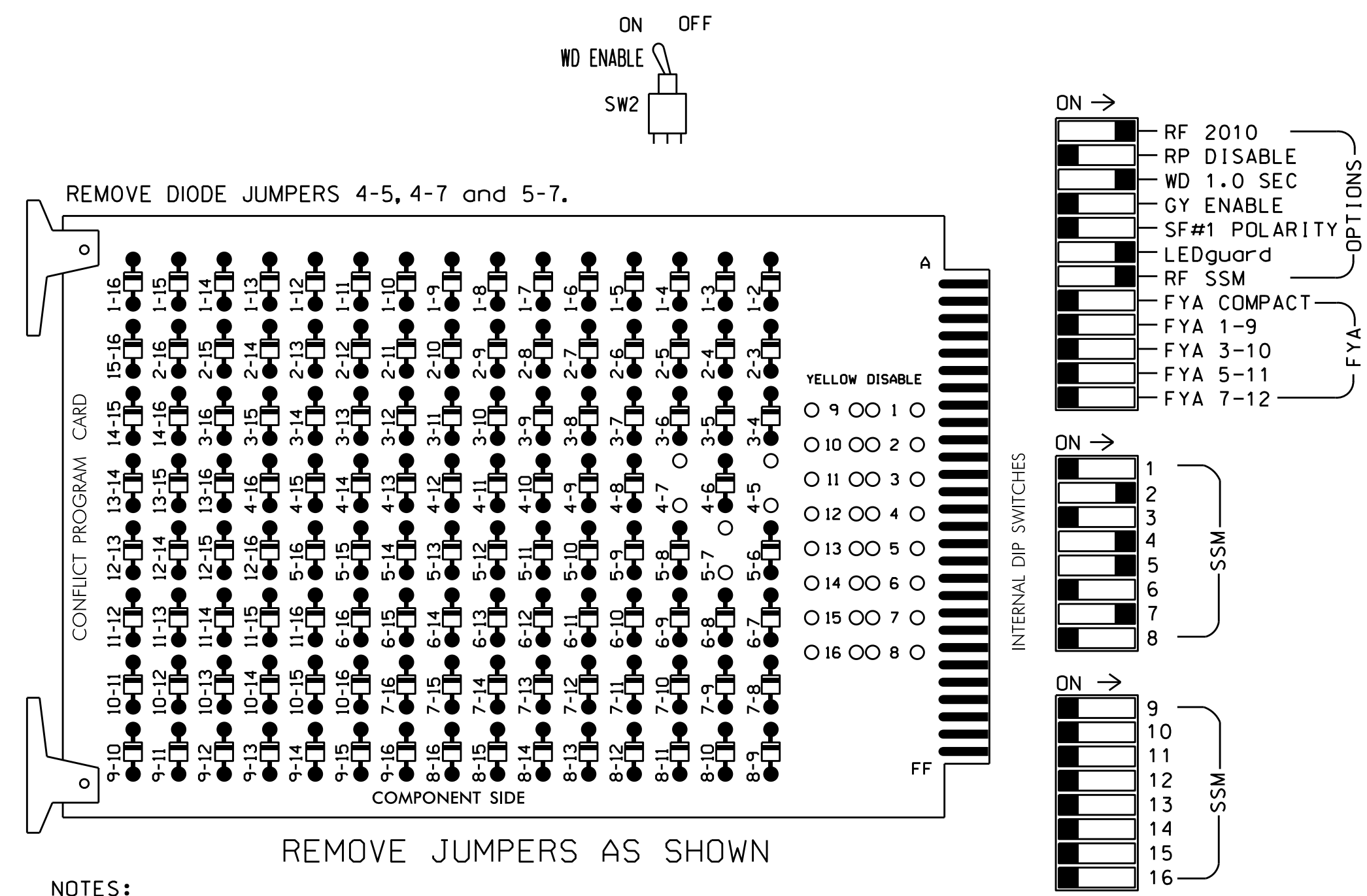


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.

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 1,3,6,8, 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 4 and 7 for Dual Entry.
- Program phase 2 for Variable Initial and Gap Reduction.
- Program phase 2 for Startup In Green.
- Program phase 2 for Yellow Flash.
- 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 US 17 (Ocean Highway) - Leland Superstreet D03-12 Leland.

SIGNAL HEAD HOOK-UP CHART

| LOAD SWITCH NO. | S1 | S2 | S2P | S3 | S4 | S4P | S5 | S6 | S6P | S7 | S8 | S8P |
|-----------------|----|-------|-------|----|-------|-------|--------|----|-------|-----|----|-------|
| PHASE | 1 | 2 | 2 PED | 3 | 4 | 4 PED | ** OLG | 6 | 6 PED | 7 | 8 | 8 PED |
| SIGNAL HEAD NO. | NU | 21,22 | NU | NU | 41,42 | NU | 71,72 | NU | NU | 73 | NU | NU |
| RED | | 128 | | | | | 131 | | | | | |
| YELLOW | | 129 | | | | | 132 | | | | | |
| GREEN | | 130 | | | | | 133 | | | | | |
| RED ARROW | | | | | 101 | | | | | 122 | | |
| YELLOW ARROW | | | | | 102 | | | | | 123 | | |
| GREEN ARROW | | | | | 103 | | | | | 124 | | |

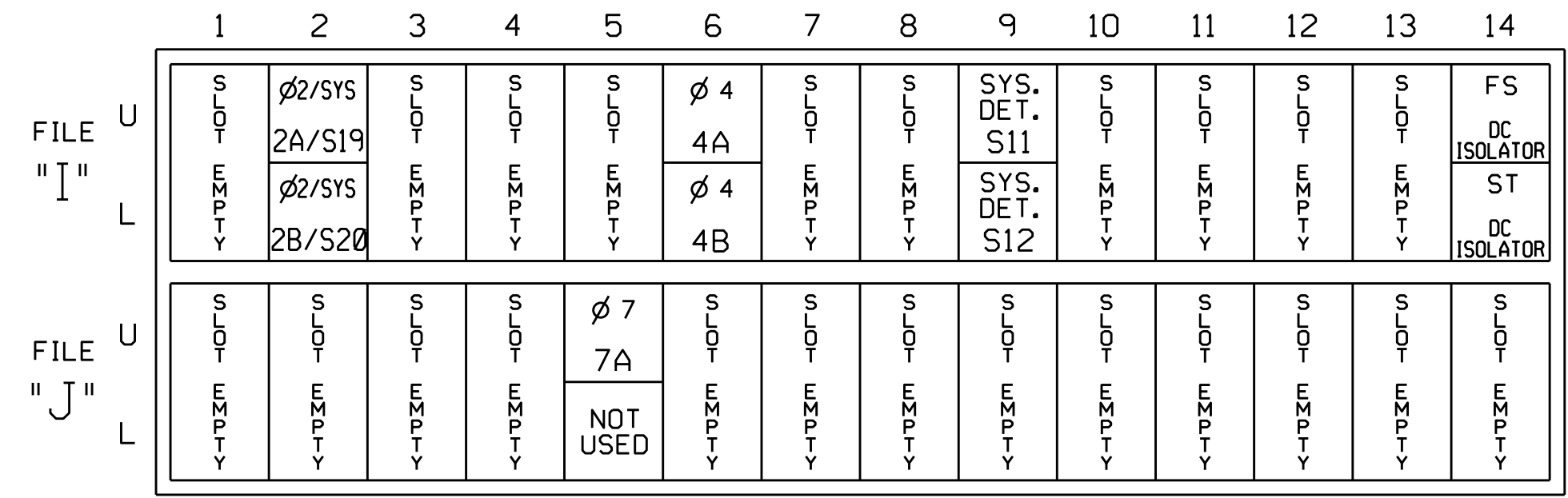
NU = Not Used
 ** Requires special programming and output remapping. See sheet 2.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S4,S5,S7
 PHASES USED.....2,4,7
 OVERLAP "G".....7

INPUT FILE POSITION LAYOUT

(front view)

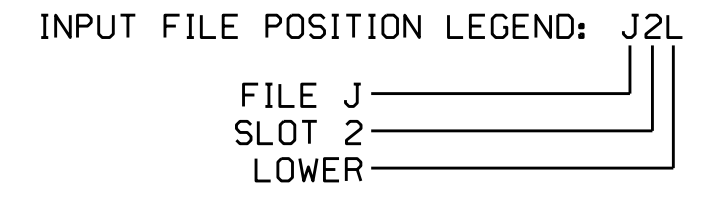


EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT ASSIGNMENT NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND | FULL TIME DELAY | STRETCH TIME | DELAY TIME |
|----------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 2A/S19 | TB2-5,6 | I2U | 39 | 1 | 2 | 2/SYS | Y | Y | | | |
| 2B/S20 | TB2-7,8 | I2L | 43 | 5 | 12 | 2/SYS | Y | Y | | | |
| 4A | TB4-9,10 | I6U | 41 | 3 | 4 | 4 | Y | Y | | | 20 |
| 4B | TB4-11,12 | I6L | 45 | 7 | 14 | 4 | Y | Y | | | 20 |
| * S11 | TB6-9,10 | I9U | 60 | 22 | 11 | SYS | | | | | |
| * S12 | TB6-11,12 | I9L | 62 | 24 | 13 | SYS | | | | | |
| 7A | TB5-5,6 | J5U | 57 | 19 | 7 | 7 | Y | Y | | | |

* System detector only. Remove the vehicle phase assigned to this detector in the default programming.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0973
 DESIGNED: October 2021
 SEALED: 10-26-21
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details for: US 17 (Ocean Highway) at West Gate Drive

Division 3 Brunswick County Leland

PLAN DATE: October 2021 REVIEWED BY:

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: INIT. DATE

DocuSigned by: Ryan W. Hough 11/15/2021

750 N. Greenfield Pkwy, Garner, NC 27529

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036833 RYAN W. HOUGH

DocuSigned by: Ryan W. Hough 11/15/2021

SIG. INVENTORY NO. 03-0973

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 J. Peterson