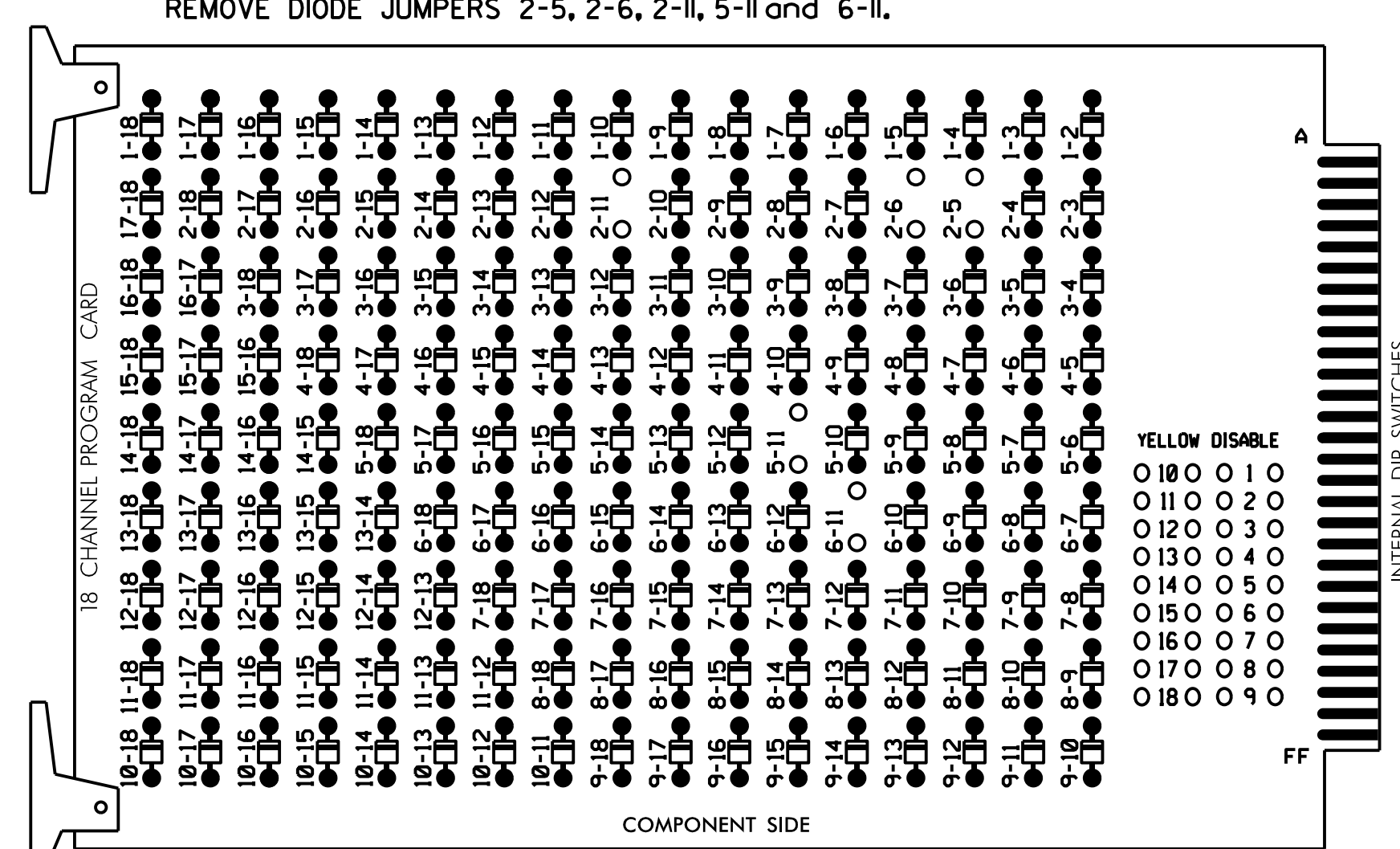
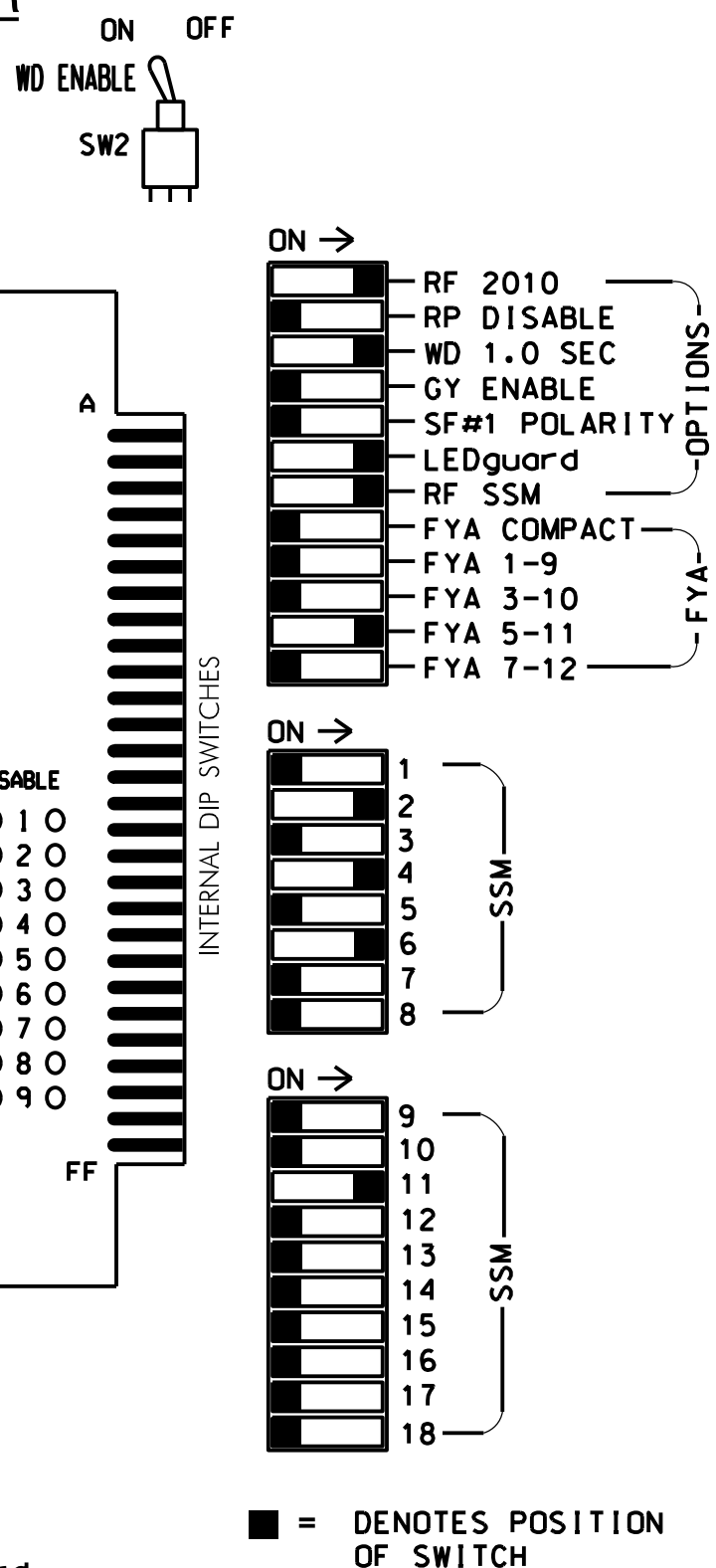


**EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

*(remove jumpers and set switches as shown)*



**NOTES:**

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

**NOTES**

1. 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.
2. Program simultaneous gap out for all phases.
3. Program controller to start up in phase 2 Green and phase 6 Green.
4. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
5. The cabinet and controller are part of the High Point 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.....S2,S5,S7,S8 and AUX S4  
 PHASES USED.....2,4,5 and 6  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....\*  
 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
CMU 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.	21,22	NU	NU	41,42	NU	51	61,62	NU	NU	NU	NU	NU	NU	NU	NU	51	NU	NU
RED	128							134										
YELLOW	129						*	135										
GREEN	130							136										
RED ARROW								101									A114	
YELLOW ARROW								102									A115	
FLASHING YELLOW ARROW																	A116	
GREEN ARROW								103	133									

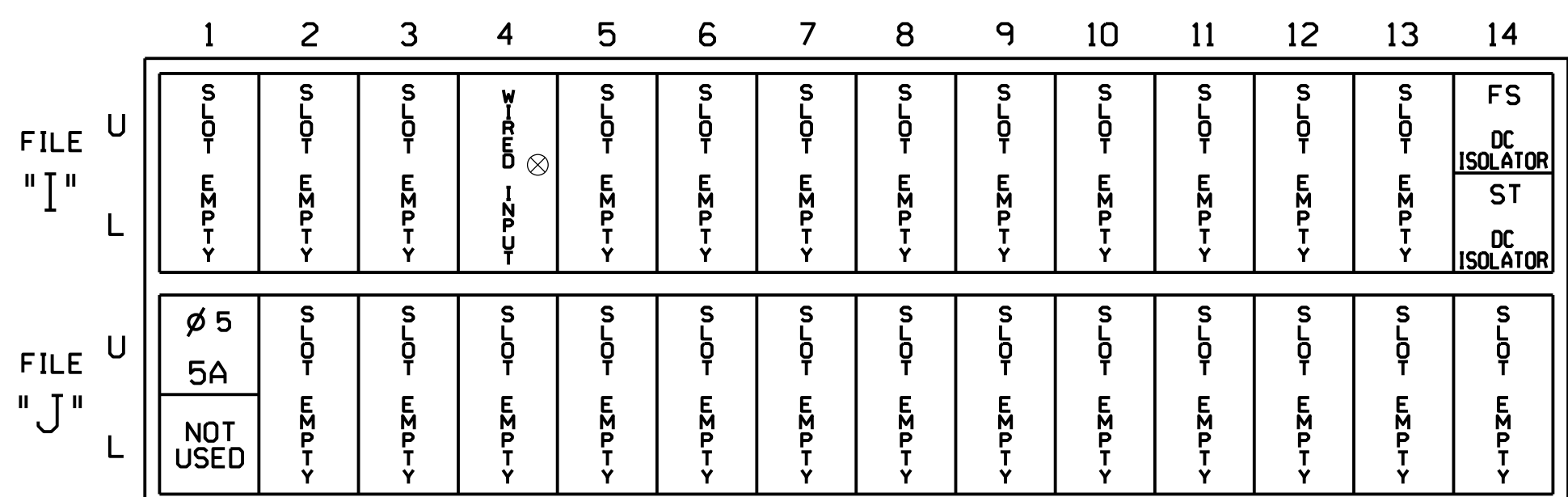
NU = Not Used

\* Denotes install load resistor. See load resistor installation detail this sheet.  
 \* See pictorial of head wiring in detail this sheet.

**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.

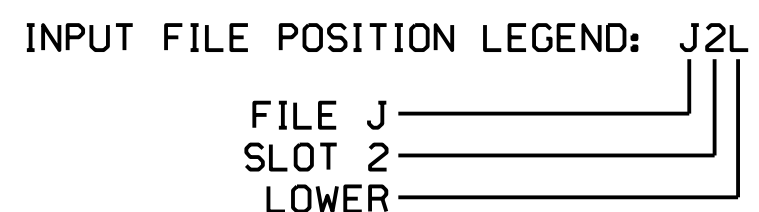
**INPUT FILE POSITION LAYOUT (front view)**



**INPUT FILE CONNECTION & PROGRAMMING CHART**

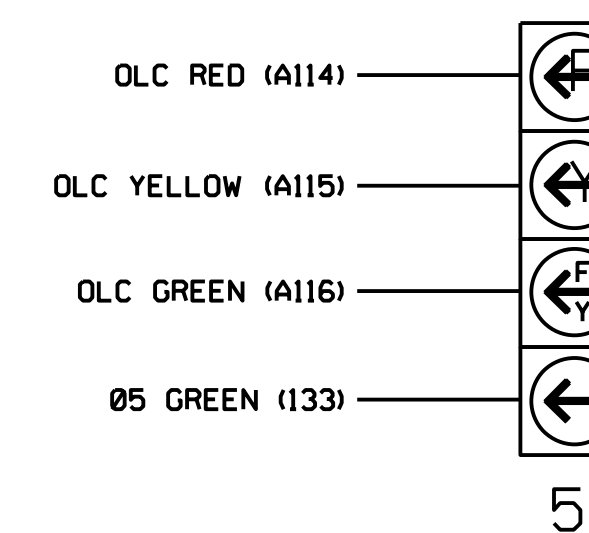
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
5A <sup>1</sup>	TB3-1,2	J1U	55	5	5	YES		15		S
	-	I4U	47	22	2	YES				S

<sup>1</sup>Add jumper from J1-W to I4-W, on rear of input file.



**FYA SIGNAL WIRING DETAIL**

*(wire signal heads as shown)*

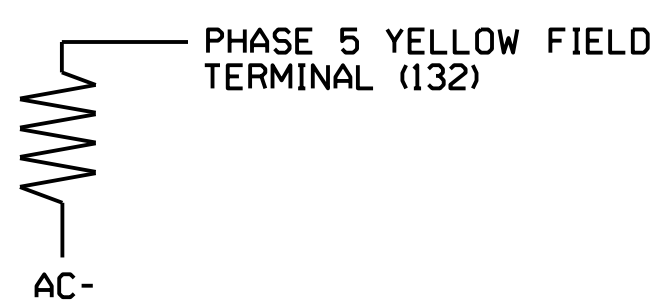


**LOAD RESISTOR INSTALLATION DETAIL**

*(install resistors as shown)*

ACCEPTABLE VALUES

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



**SPECIAL DETECTOR NOTE**

Install a video detection system for vehicle detection. Perform installation according to manufacturer's recommendations and NCDOT engineer-approved mounting location(s) to accomplish the detection schemes shown on the Signal Design Plans.

For Detection Zone 5A the equipment placement and slots reserved for wired inputs are typical for NCDOT installation.

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For:

SR 1009 (S. Main Street) at US 29 NB Ramps

Division 7 Guilford County High Point

PLAN DATE: May 2021 REVIEWED BY: RW Thompson

PREPARED BY: DE Fowler REVIEWED BY:

REVISIONS: INIT. DATE

Seal: SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045256 BENDAN A. LEAH

DocuSign: Brenda Leah

SIG. INVENTORY NO. 07-1637T

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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