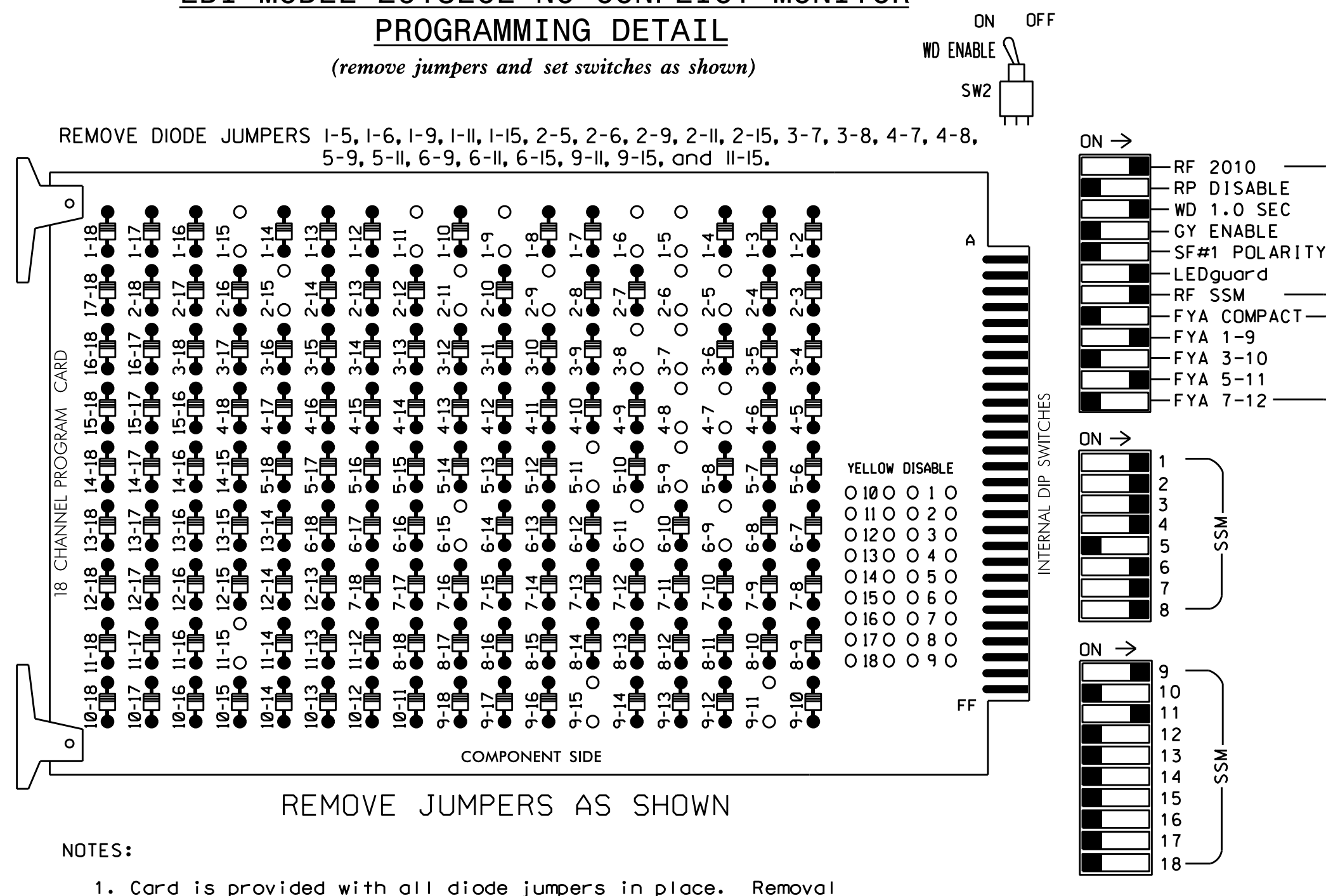


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



- REMOVE JUMPERS 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 controller to start up in phases 2 and 6 green.
- Enable simultaneous gap-out feature for all phases.
- Program phases 2 and 6 for volume density operation.
- The cabinet and controller are part of the Raleigh Signal System.

EQUIPMENT INFORMATION

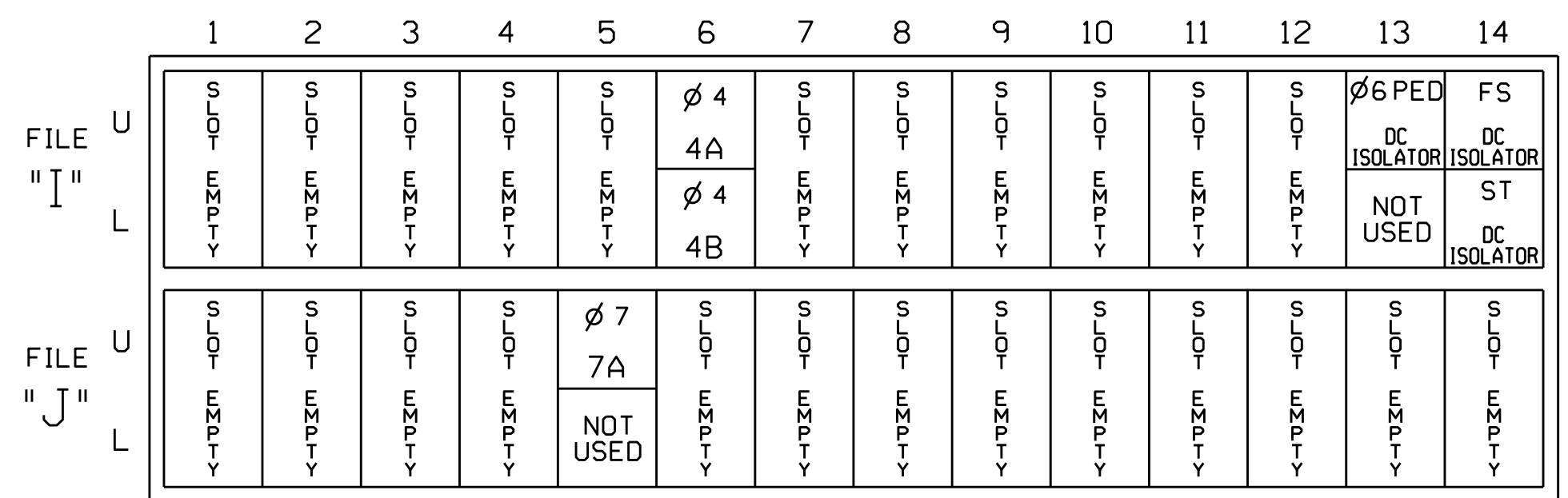
CONTROLLER.....2070LX
 CABINET.....332 W/ AUX
 SOFTWARE.....SE-PAC2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S9,S10,S11,
 AUX S1,AUX S4
 PHASES USED.....1,2,3,4,5,6,6PED,7,8
 OVERLAP A.....1+2
 OVERLAP B.....NOT USED
 OVERLAP C.....5+6
 OVERLAP D.....NOT USED

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				
CHU 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.	11★	82	21,22	NU	22	31,32	41,42	NU	51★	61,62	P61, P62	62	71	81,82	NU	11★	NU	NU	51★	NU	NU	
RED		*	128			101			134					107								
YELLOW			129			102		*	135					108								
GREEN			130			103			136					109								
RED ARROW						116								122							A121	A114
YELLOW ARROW	126				117	117						123	123								A122	A115
FLASHING YELLOW ARROW																					A123	A116
GREEN ARROW	127	127			118	118			133			124	124									
Hand icon													119									
Person icon																						121

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 ★ See pictorial of head wiring in detail below.

INPUT FILE POSITION LAYOUT
(front view)

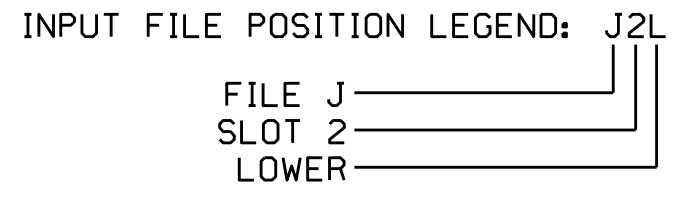


INPUT FILE CONNECTION & PROGRAMMING CHART

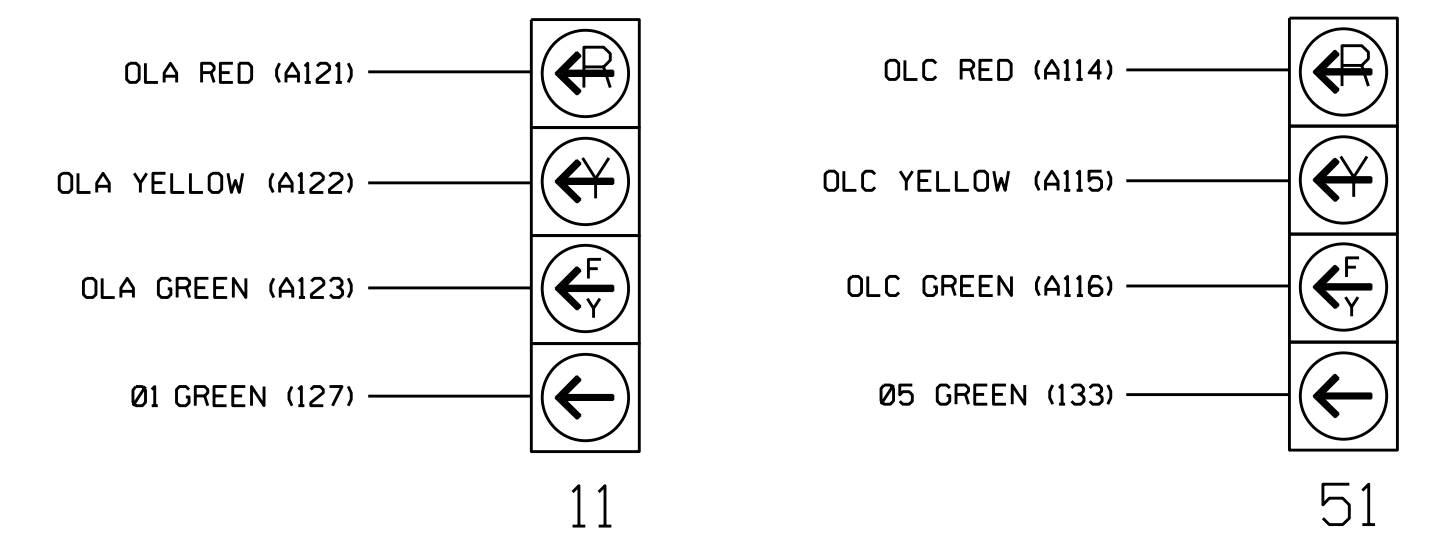
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	DELAY TIME	EXTEND (STRETCH) TIME
4A	TB4-9,10	I6U	41	11	4		
4B	TB4-11,12	I6L	45	12	4	10	
7A	TB5-5,6	J5U	57	29	7	3	
PED PUSH BUTTONS							
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED		

NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOT 113.

Remove jumper from J1-W to 14-W on rear of input file, if present.



FYA SIGNAL WIRING DETAIL
(wire signal heads as shown)



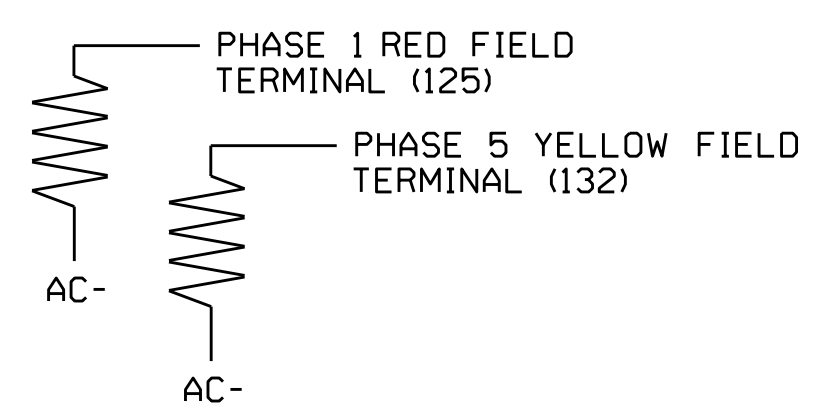
COUNTDOWN PEDESTRIAN SIGNAL OPERATION

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.

LOAD RESISTOR INSTALLATION DETAIL
(install resistors as shown below)

ACCEPTABLE VALUES

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



SPECIAL DETECTOR NOTE

For zones 1A, 1B, 2A, 2B, 3A, 3B, 5A, 6A, 6B and 8A, 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: 05-1176T2
 DESIGNED: July 2019
 SEALED: 8/28/2019
 REVISED: N/A

Electrical Detail - Temp. Design 2 (TMP Phase II) - Sheet 1 of 2

Electrical and Programming Details for: SR 2000 (Falls of Neuse Rd.) at SR 2006 (Durant Rd.)

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

Division 5 Wake County Raleigh

PLAN DATE: October 2021 REVIEWED BY:

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Ryan W. Hough 03/07/2022

SEAL: SEAL 036833 ENGINEER RYAN W. HOUGH

SIG. INVENTORY NO. 05-1176T2

07-1485-2022_06:31
 W081176.ecad_elec_20190906.dgn
 S08MSTR.DWG