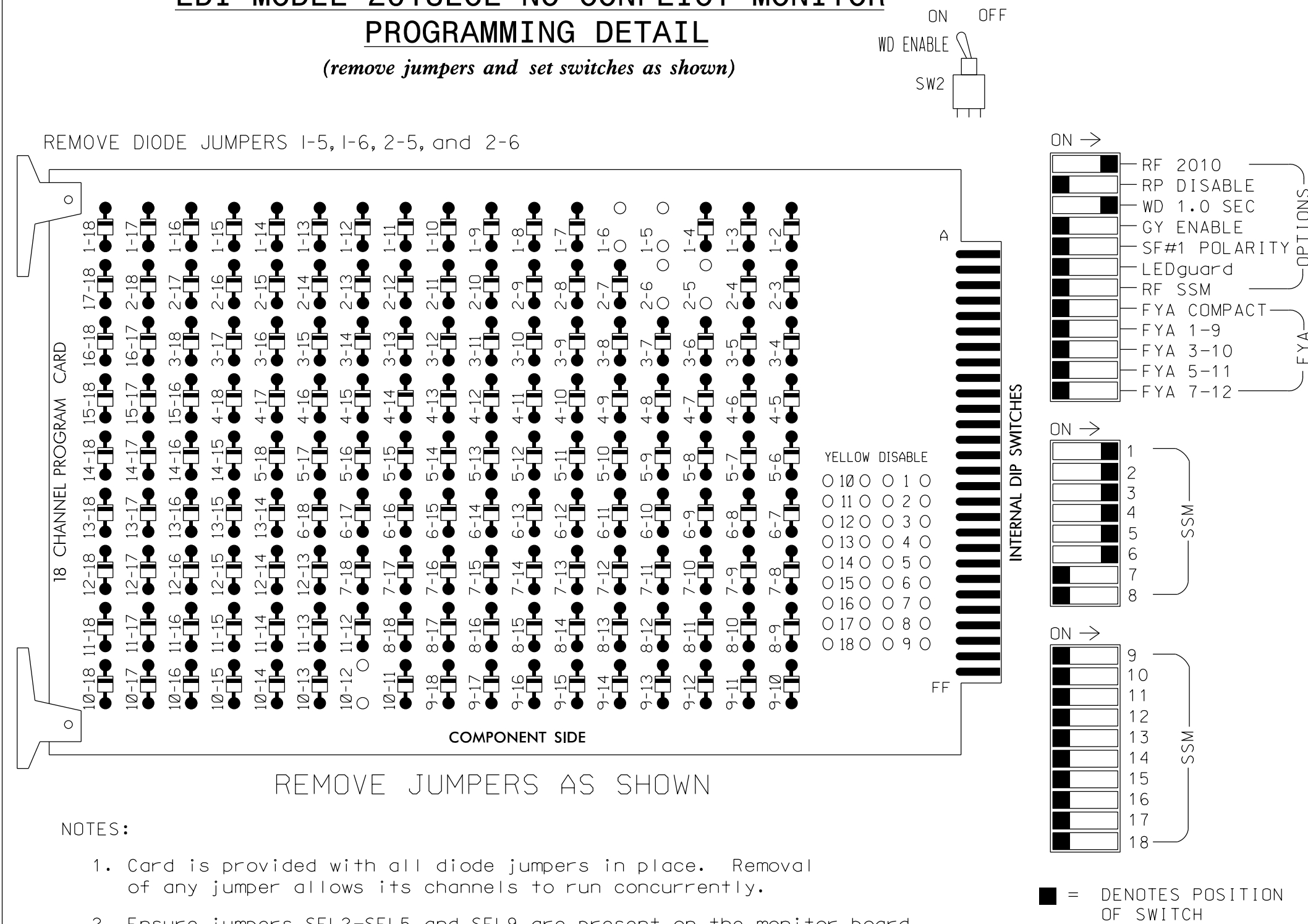


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.
- 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.
- Enable simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Startup In Green.
- Program phase 6 for Startup Ped Call.
- Program phase 2 and 6 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.

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.	11,12 32	21,22	NU	22 31 32	41 42 62	NU	51	61,62	P61, P62	NU	NU	NU	NU	NU	NU	NU	NU	NU
RED		128		116 116	101 101			134										
YELLOW		129		117 117	102 102			135										
GREEN		130		118 118	103 103			136										
RED ARROW	125							131										
YELLOW ARROW	126 126			117		102	132											
GREEN ARROW	127 127			118 118	103 103	133												
Hand									119									
Walking Person									121									

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.

EQUIPMENT INFORMATION

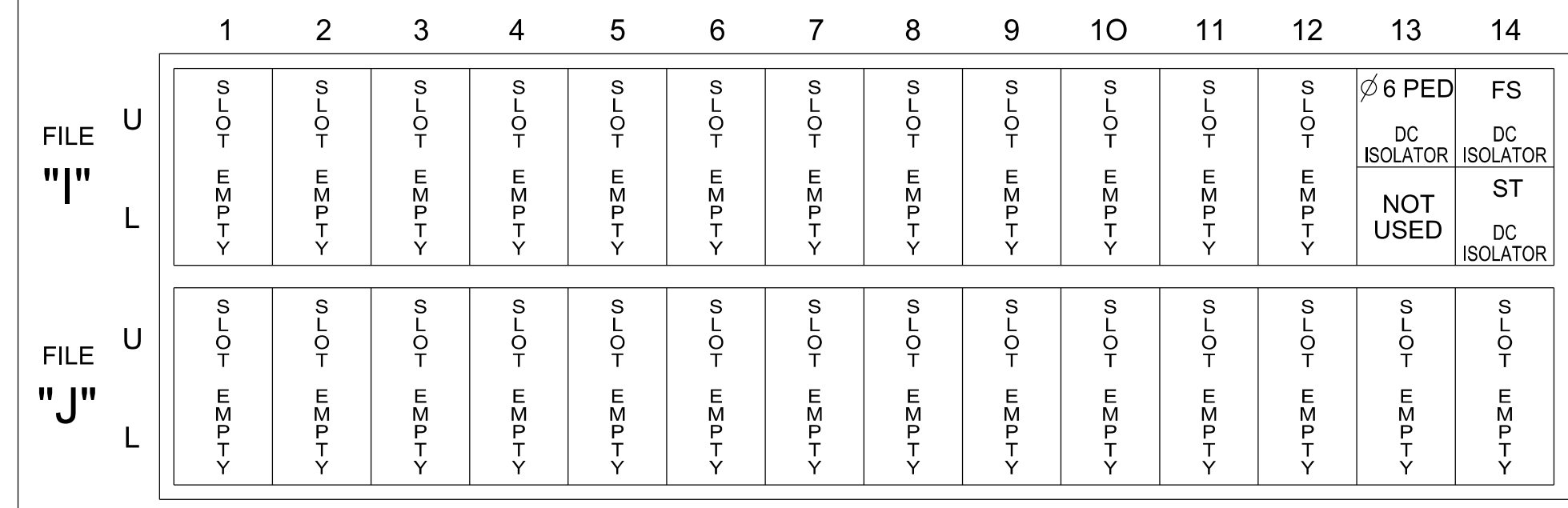
CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6
 PHASES USED.....1,2,3,4,5,6,PED
 OVERLAPS.....NONE

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)

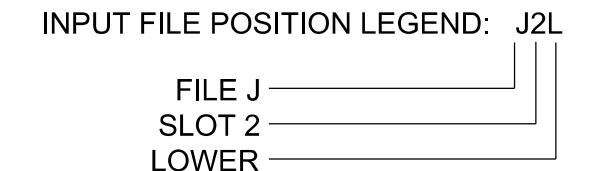


EX. : 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	QUEUE	CALL	DELAY DURING GREEN
PED PUSH BUTTONS													
P61,P62	TB8-7,9	I13U	68	34	6	PED 6							

NOTE: INSTALL DC ISOLATOR IN INPUT FILE SLOT I13.



SPECIAL DETECTOR NOTE

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: 11-1044T3
 DESIGNED: May 2023
 SEALED: 5/24/2023
 REVISED: N/A

Temporary Installation - Electrical Detail 1 of 1 (Phase 12)

	US 421 - NC 16		
	at SR 1322 (Winkler Mill Road) / Stonecrest Oaks Pkwy		
	Division 11 Wilkes County Wilkesboro		
	PLAN DATE: May 2023	REVIEWED BY: M.L.Styles	
PREPARED BY: S.R.Chiluka	REVIEWED BY: J.Ma	REVISIONS	INIT. DATE
750 N. Greenfield Pkwy, Garner, NC 27529		DocuSigned by: 5/24/2023	
		SIG. INVENTORY NO. 11-1044T3	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED