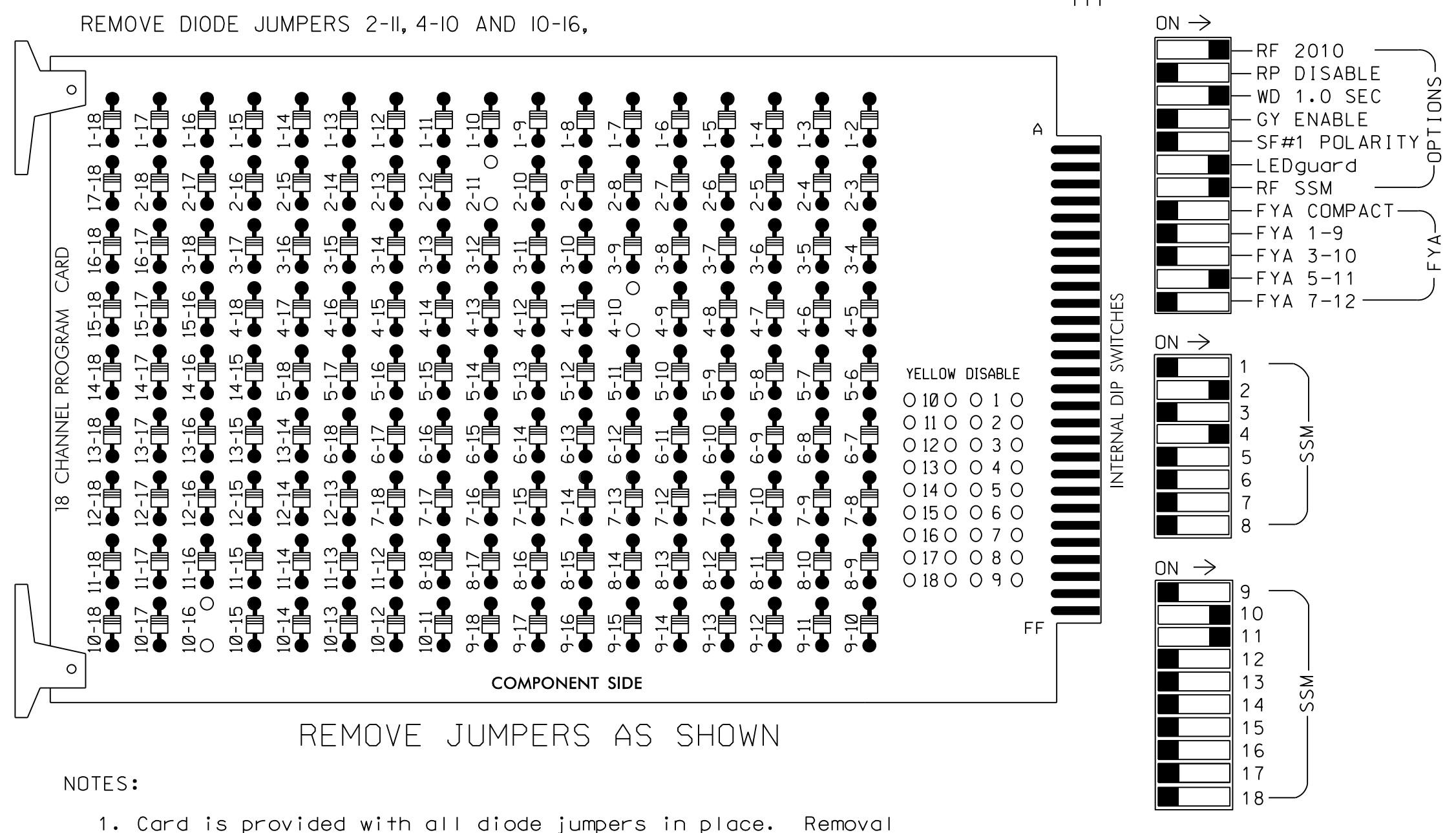


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(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.
 - 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 phase 2 green.
- Enable simultaneous gap-out feature, on controller unit, for all phases.
- Program phases 4 and 7, on controller unit, for dual entry.
- Program phase 2, on controller unit, 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.....S2,S5,S12,AUX S2,AUX S4
 PHASES USED.....2,4,7*,8PED
 OVERLAP "A".....NOT USED
 OVERLAP "B".....**
 OVERLAP "C".....**
 OVERLAP "D".....NOT USED

- * Phase used for timing purposes only.
- ** See Sheet 2 for overlap programming.

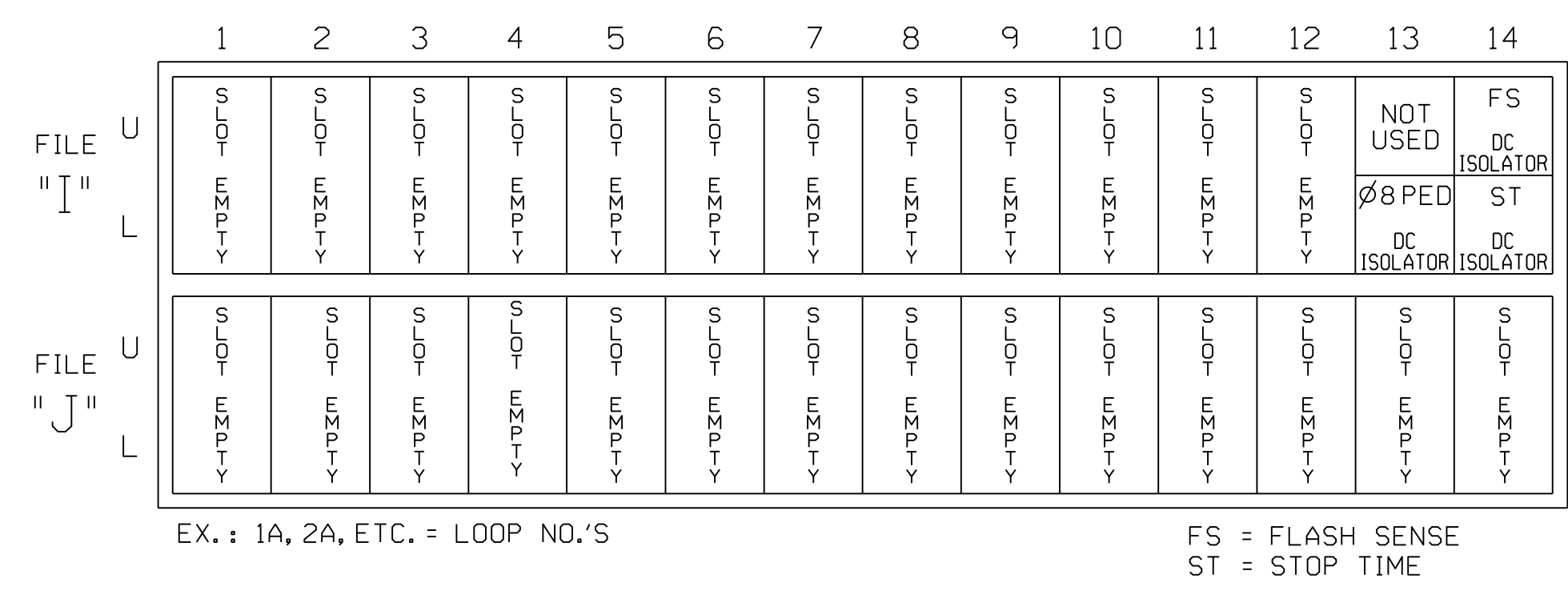
SIGNAL HEAD HOOK-UP CHART

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
DMU 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.	NU	21,22,23	NU	NU	41,42,43	NU	NU	NU	NU	NC	NU	P81, P82	NU	71	NU	24	NU	NU
RED		128			101											A114		
YELLOW		129																
GREEN		130																
RED ARROW														A124				
YELLOW ARROW					102									A125		A115		
FLASHING YELLOW ARROW																A116		
GREEN ARROW					103									A126				
Hand icon												104						
Person icon												106						

NU = Not Used
 NC = Not Connected
 ★ See pictorial of head wiring in detail this sheet.

INPUT FILE POSITION LAYOUT

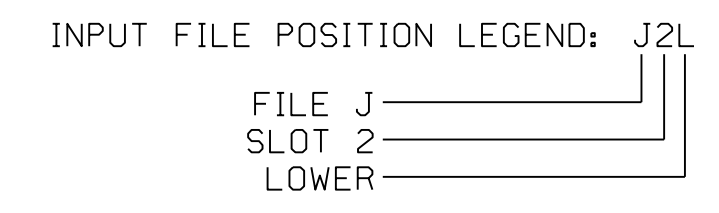
(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

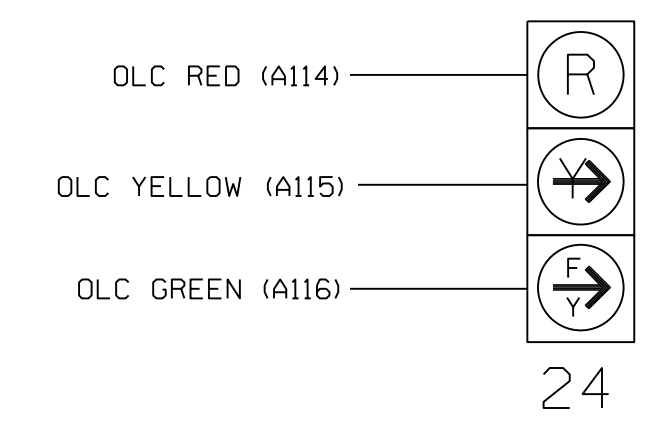
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	DELAY TIME	EXTEND (STRETCH) TIME
PED PUSH BUTTONS							
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED		

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS 113.



FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



NOTE: 1. See sheet 2 for Protected & Permissive Phases programming.

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.

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.

Temporary Design (TMP Phase I-B)
 Electrical Detail - Sheet 1 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared for the Offices of: NC Firm License No.: F-0342 5438 Wade Park Boulevard Suite 200 Raleigh, NC 27607 Phone: 919-461-1100	US 401 NB (Louisburg Road) at Perry Creek Road		SEAL Hemanth M. Surti 1/24/2023 SIG. INVENTORY NO. 05-1169T	
	Division 5	Wake County		Raleigh
	PLAN DATE: Jan 2023	REVIEWED BY: H.M. Surti		
	PREPARED BY: A. Ravipati	REVIEWED BY:		
REVISIONS	INIT.	DATE		

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1169T
 DESIGNED: Jan 2023
 SEALED: 1/24/2023
 REVISED: