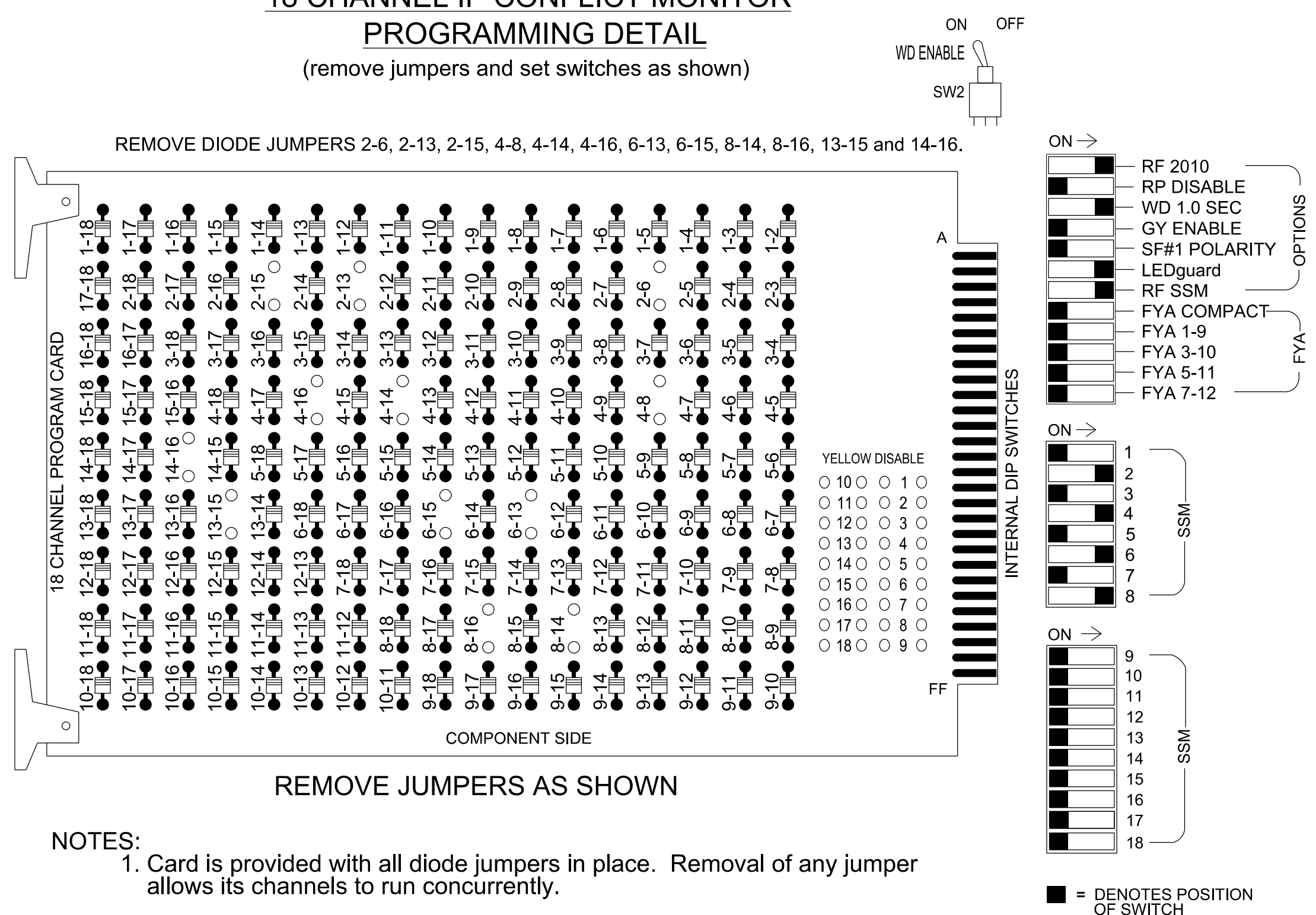


### 18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE DIODE JUMPERS 2-6, 2-13, 2-15, 4-8, 4-14, 4-16, 6-13, 6-15, 8-14, 8-16, 13-15 and 14-16.

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 the Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.

### 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 plan.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.
- Program phases 4 and 8 for simultaneous start.
- The cabinet and controller are part of the Fuquay-Varina Signal System.

### EQUIPMENT INFORMATION

Controller.....2070LX  
 Cabinet.....336  
 Software.....Q-Free MAXTIME  
 Cabinet Mount.....Pole  
 Output File Positions.....12  
 Load Switches Used.....S2, S3, S5, S6, S8, S9, S11, S12  
 Phases Used.....2, 2PED, 4, 4PED, 6, 6PED, 8, 8PED  
 Overlap "1".....NOT USED  
 Overlap "2".....NOT USED  
 Overlap "3".....NOT USED  
 Overlap "4".....NOT USED

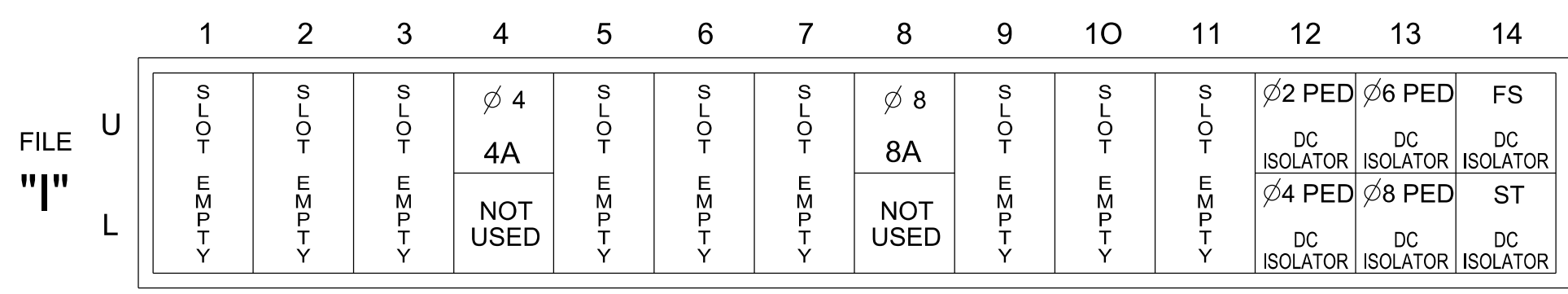
### SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	P21, P22	NU	41,42	P41, P42	NU	61,62	P61, P62	NU	81,82	P81, P82
RED		128			101			134				107
YELLOW		129			102			135				108
GREEN		130			103			136				109
RED ARROW												
YELLOW ARROW												
FLASHING YELLOW ARROW												
GREEN ARROW												
			113			104			119			110
			115			106			121			112

NU = Not Used

### INPUT FILE POSITION LAYOUT

(front view)



EX. : 1A, 2A, ETC. = LOOP NO.'S

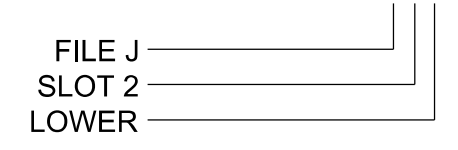
FS = FLASH SENSE  
 ST = STOP TIME

### 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	CALL	DELAY DURING GREEN
4A	TB21-7,8	I4U	41	3	8	4				X	X	
8A	TB24-1,2	I8U	42	4	22	8				X	X	
PED PUSH BUTTONS												
P21,P22	TB22-9,10	I12U	67	33	2	PED 2						
P41,P42	TB24-9,10	I12L	69	35	4	PED 4						
P61,P62	TB22-11,12	I13U	68	34	6	PED 6						
P81,P82	TB24-11,12	I13L	70	36	8	PED 8						

NOTE:  
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.

INPUT FILE POSITION LEGEND: J2L



### 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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-0164  
 DESIGNED: APRIL 2023  
 SEALED: 4/14/2023  
 REVISED: N/A

Electrical Detail

Prepared for the Offices of: 	<b>SR 1107 (E Academy Street) at Ennis Street</b>		SEAL 
	Division 5 PLAN DATE: April 2023 PREPARED BY: JT Stiff	Wake County REVIEWED BY: AM Encarnacion REVIEWED BY: PL Alexander	
Revisions Table:			DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SIGNATURE: Anthony Encarnacion DATE: 6/16/2023 SIG. INVENTORY NO. 05-0164