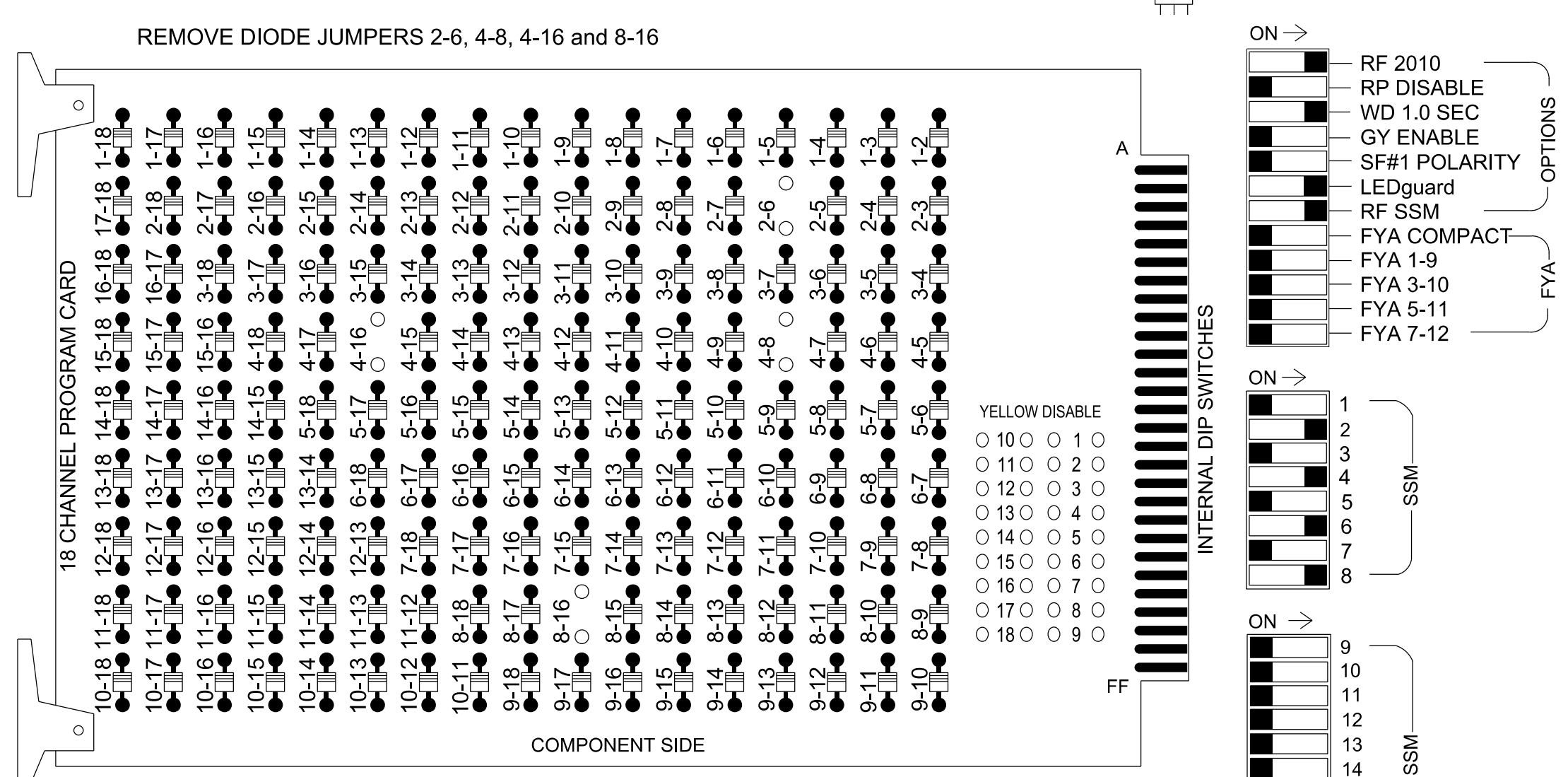


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(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 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 phase 8 for simultaneous start.
- The cabinet and controller are part of the Fuquay-Varina Signal System.

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	NU	NU	41,42	NU	NU	61,62	NU	NU	81,82	P81, P82
RED		128			101			134			107	
YELLOW		129			102			135			108	
GREEN		130			103			136			109	
RED ARROW												
YELLOW ARROW												
GREEN ARROW												
Hand icon												110
Person icon												112

NU = Not Used

EQUIPMENT INFORMATION

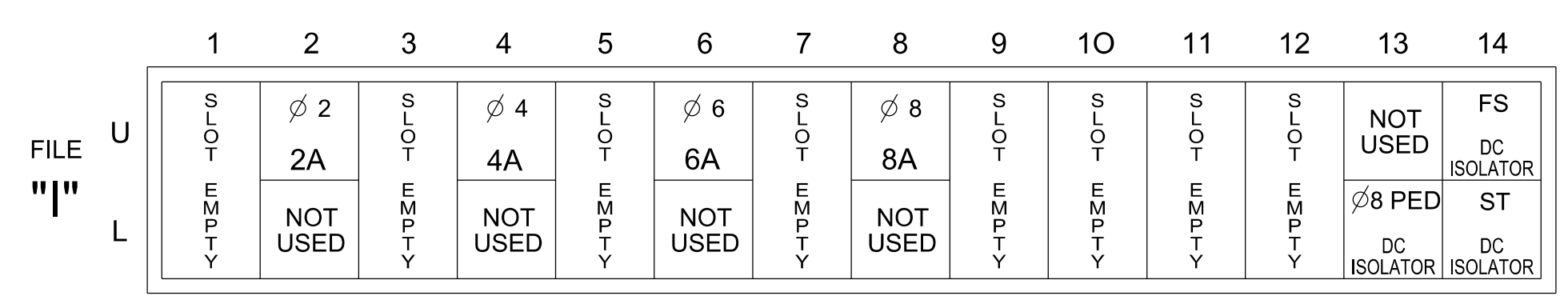
Controller.....2070LX
 Cabinet.....336
 Software.....Q-Free MAXTIME
 Cabinet Mount.....Pole
 Output File Positions.....12
 Load Switches Used.....S2, S5, S8, S11, S12
 Phases Used.....2, 4, 6, 8, 8PED
 Overlap "1".....NOT USED
 Overlap "2".....NOT USED
 Overlap "3".....NOT USED
 Overlap "4".....NOT USED

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)

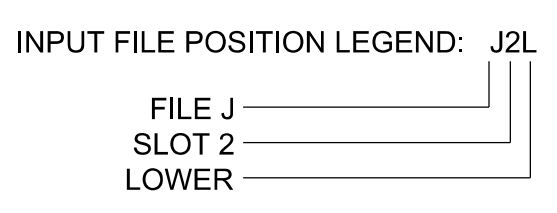


EX : 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

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	CALL	DELAY DURING GREEN
2A	TB21-3,4	I2U	39	1	2	2			X		X	
4A	TB21-7,8	I4U	41	3	8	4	5		X		X	
6A	TB21-11,12	I6U	40	2	16	6			X		X	
8A	TB24-1,2	I8U	42	4	22	8	5		X		X	
PED PUSH BUTTONS												
P81,P82	TB24-11,12	I13L	70	36	8	PED 8						

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOT I13.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-0163
 DESIGNED: APRIL 2023
 SEALED: 4/14/2023
 REVISED: N/A

Electrical Detail

Prepared for the Offices of: 	SR 1107 (E Academy Street) at Fuquay Avenue		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 Date: 6/16/2023 Signature: Anthony Encarnacion Date: _____ Signature: _____ Date: _____ SIG. INVENTORY NO. 05-0163