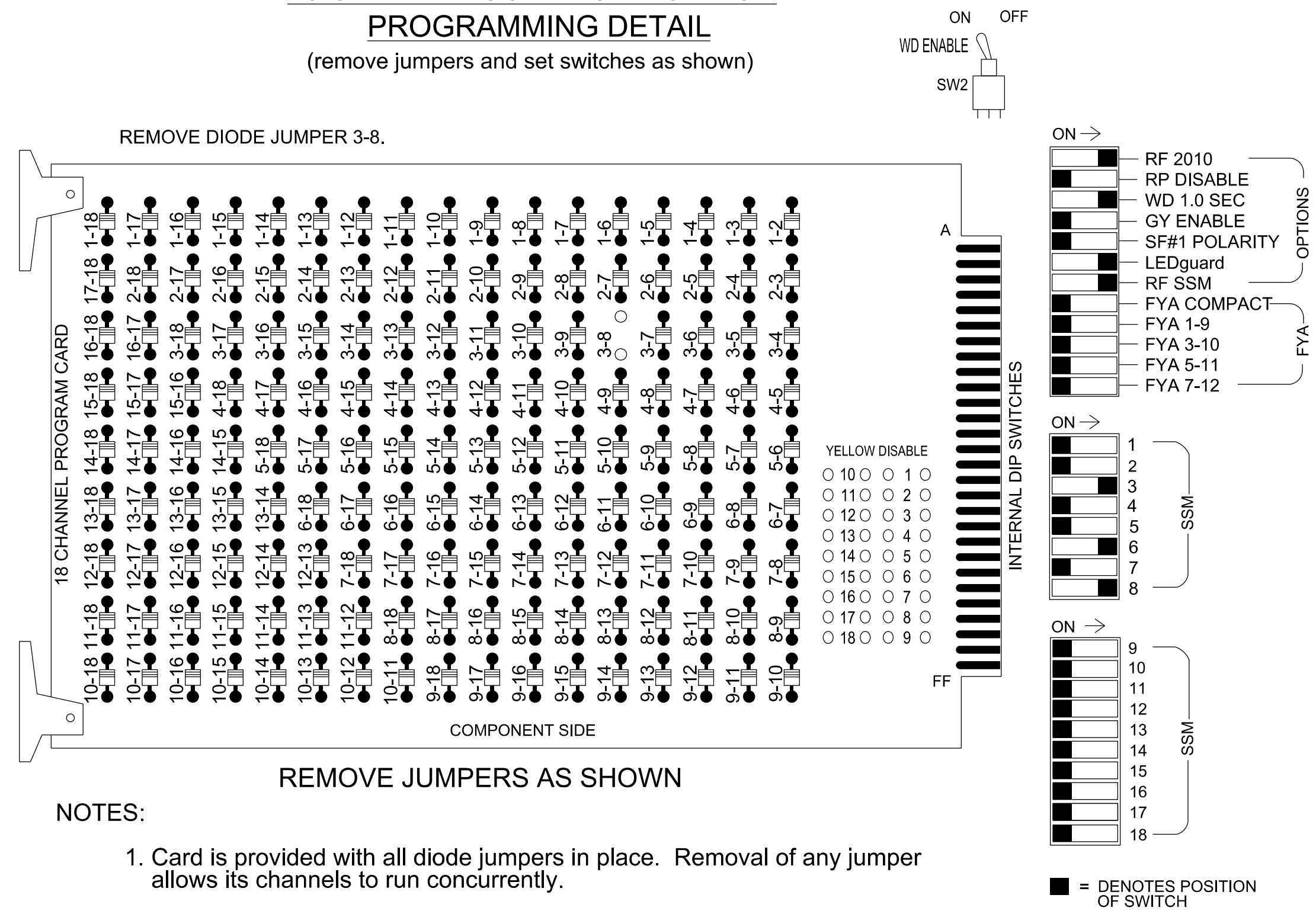


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



- 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 the 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 plan.
- Program phases 3 and 8 for Dual Entry.
- Program controller to start up in phase 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the Wilkesboro Closed Loop System.

EQUIPMENT INFORMATION

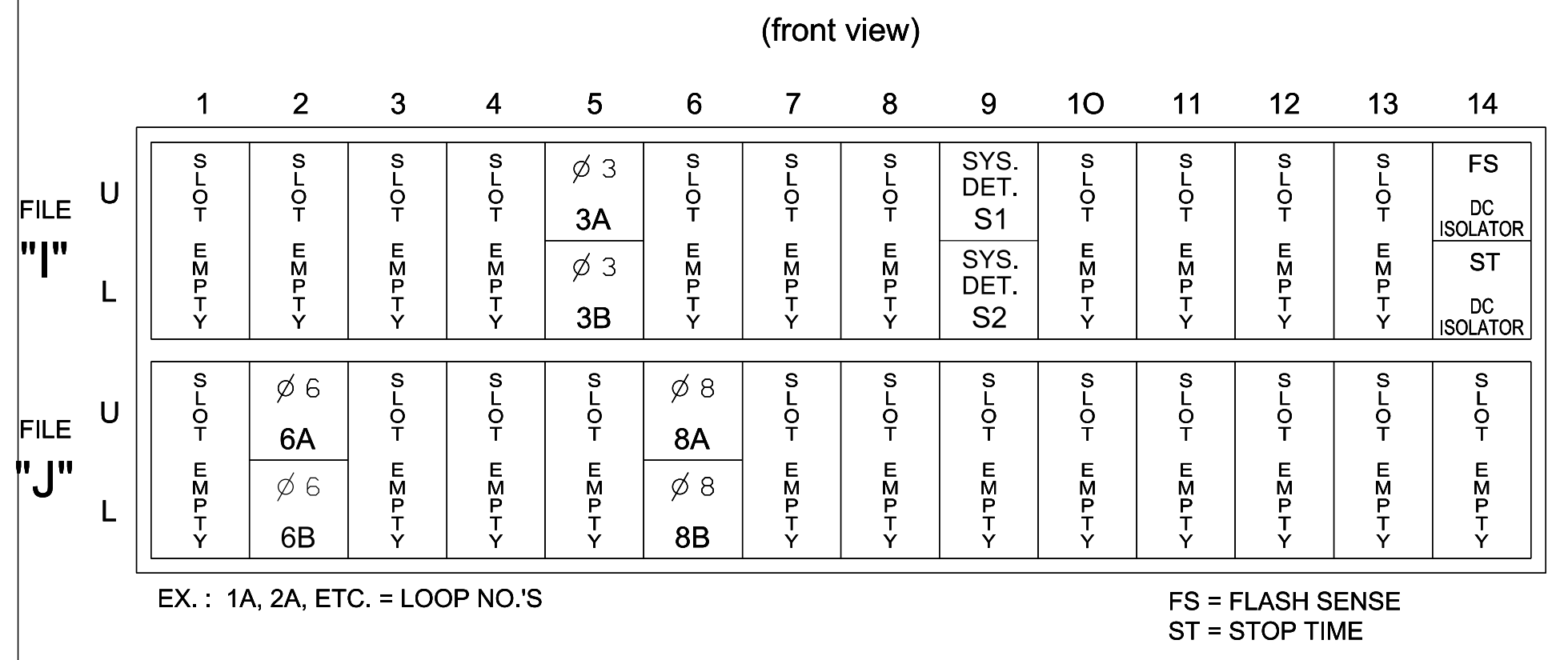
Controller.....2070LX
 Cabinet.....332 w/ Aux
 Software.....Q-Free MAXTIME
 Cabinet Mount.....Base
 Output File Positions.....18 With Aux. Output File
 Load Switches Used.....S3, S8, S11
 Phases Used.....3, 6, 8,
 Overlap "1".....NOT USED
 Overlap "2".....NOT USED
 Overlap "3".....NOT USED
 Overlap "4".....NOT USED

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	PED	3	4	PED	5	6	PED	7	8	PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	NU	NU	NU	31,32	NU	NU	NU	61,62,63	NU	NU	81,82,83	NU	NU	NU	NU	NU	NU	NU
RED								134			107							
YELLOW								135										
GREEN																		
RED ARROW				116														
YELLOW ARROW				117							108							
FLASHING YELLOW ARROW																		
GREEN ARROW				118				136			109							

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

INPUT FILE POSITION LAYOUT



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
3A	TB4-5,6	I5U	58	20	7	3	15		X			X	
3B	TB4-9,10	I5L	41	3	4	3			X			X	
*S1	TB6-9,10	I9U	60	22	13	SYS			X		X		
*S2	TB6-11,12	I9L	62	24	14	SYS			X		X		
6A	TB3-5,6	J2U	40	2	16	6			X			X	
6B	TB3-7,8	J2L	44	6	17	6			X		X		
8A	TB5-9,10	J6U	42	4	22	8	15		X			X	
8B	TB5-11,12	J6L	46	8	23	8	15		X			X	

*System detector only. Remove any assigned vehicle phase.
 INPUT FILE POSITION LEGEND: J2L
 FILE J
 SLOT 2
 LOWER

5/23/2019 3:15:01 PM ***BDDP ***PCJ ***R01610928621.03 NDDOT U-5312 Wilkes County Traffic Signal Design Plans U-5312-11-1146-51g.ele.us 421_LUS 421_BUS.dgn sch11.luk

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 11-1146
 DESIGNED: May 2023
 SEALED: 5/26/2023
 REVISED: N/A



Electrical Detail Sheet 1 of 1

<p>Prepared for the Offices of:</p>	US 421 at US 421 Business	
	Division 11 Wilkes County Wilkesboro	
	PLAN DATE: May 2023 PREPARED BY: S. R. Chiluka	REVIEWED BY: M. L. Stygles REVIEWED BY: J. Ma
REVISIONS		INIT. DATE
DocuSigned by: 		DATE: 5/26/2023

SIC. INVENTORY NO. 11-1146

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

