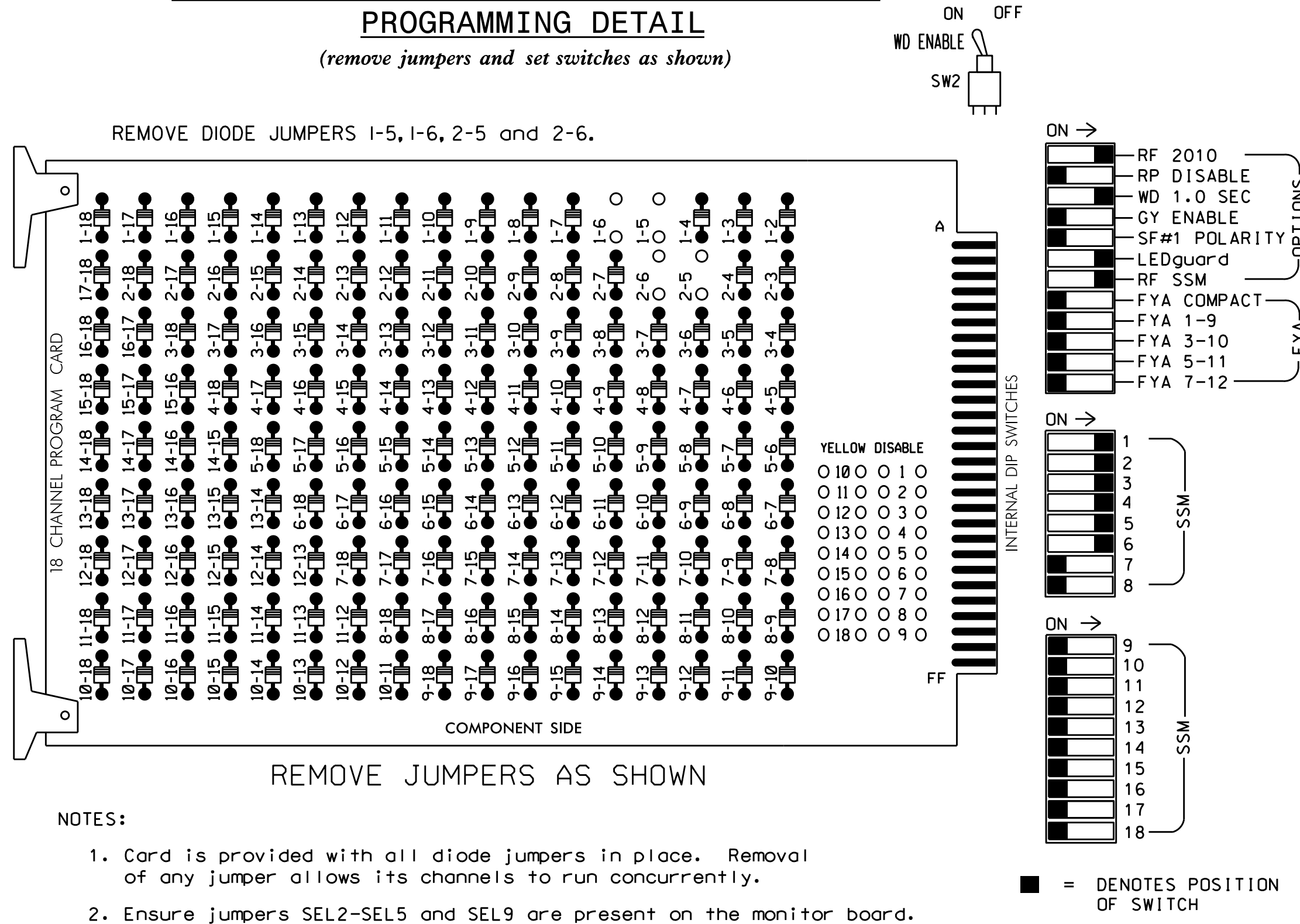


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



- NOTES:**
1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
 2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
 3. Ensure that Red Enable is active at all times during normal operation.
 4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

NOTES

1. 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.
2. Program controller to start up in phases 2 and 6 green.
3. Enable simultaneous gap-out feature for all phases.
4. Program phases 2 and 6 for volume density operation.
5. The cabinet and controller are part of the Raleigh Signal System.

EQUIPMENT INFORMATION

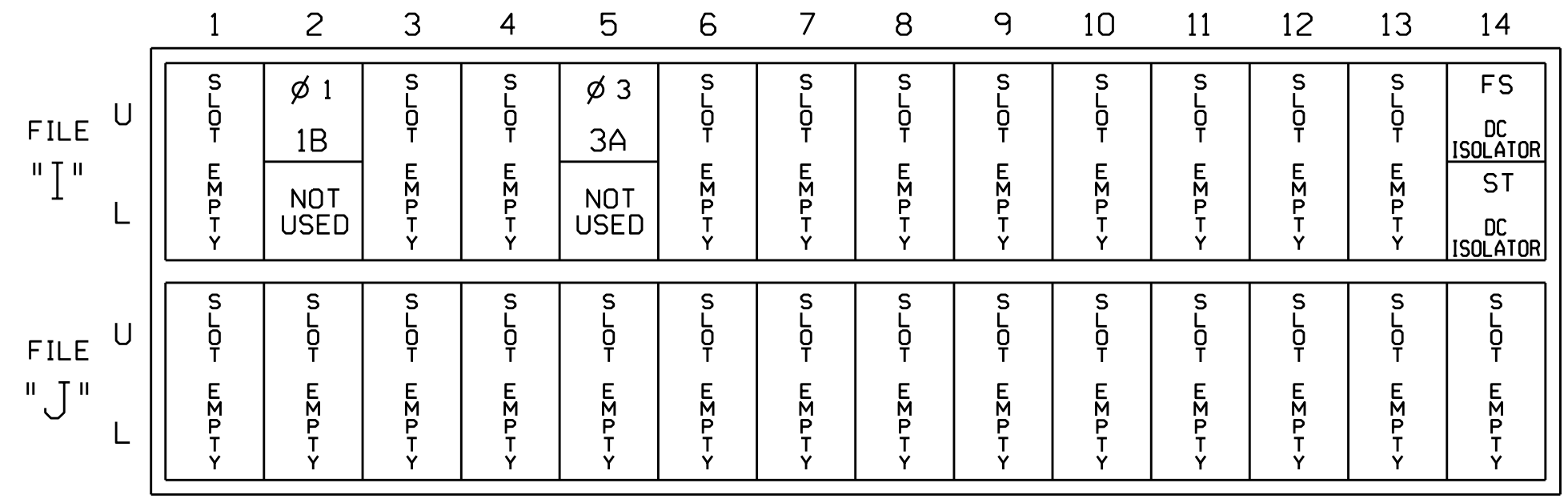
CONTROLLER.....2070LX
 CABINET.....332 W/AUX
 SOFTWARE.....SE-PAC2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8
 PHASES USED.....1,2,3,4,5,6
 OVERLAPS.....NONE

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	2	3	4	4	5	6	6	7	8	8	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	32	21,22	31	32	41	42	43	62	43	51,52	61,62	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					101					131							
YELLOW ARROW	126	126				102		102	132	132								
GREEN ARROW	127	127		118	103	103	103	133	133									

NU = Not Used

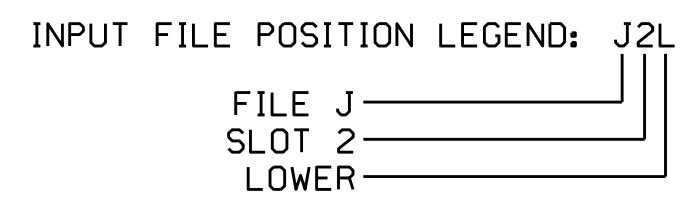
INPUT FILE POSITION LAYOUT
(front view)



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.	DETECTOR NO.	NEMA PHASE	DELAY TIME	EXTEND (STRETCH) TIME
1B	TB2-5,6	12U	39	3	1	15	
3A	TB4-5,6	15U	58	9	3	3	



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-2035T1
 DESIGNED: July 2019
 SEALED: 8/28/2019
 REVISED: N/A

SPECIAL DETECTOR NOTE

For zones 1A, 2A, 2B, 4A, 4B, 5A, 5B, 5C, 6A AND 6B, 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.

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Electrical Detail - Temp. Design 1 (TMP Phase I)

Electrical and Programming Details for: SR 2000 (Falls of Neuse Rd.) at I-540 EB Ramps and Thorpshire Dr.

Division 5 Wake County Raleigh

PLAN DATE: October 2021 REVIEWED BY:
 PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

Seal: Ryan W. Hough, Professional Engineer, No. 036833, State of North Carolina.

DocuSigned by: Ryan W. Hough, 03/07/2022

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. 05-2035T1