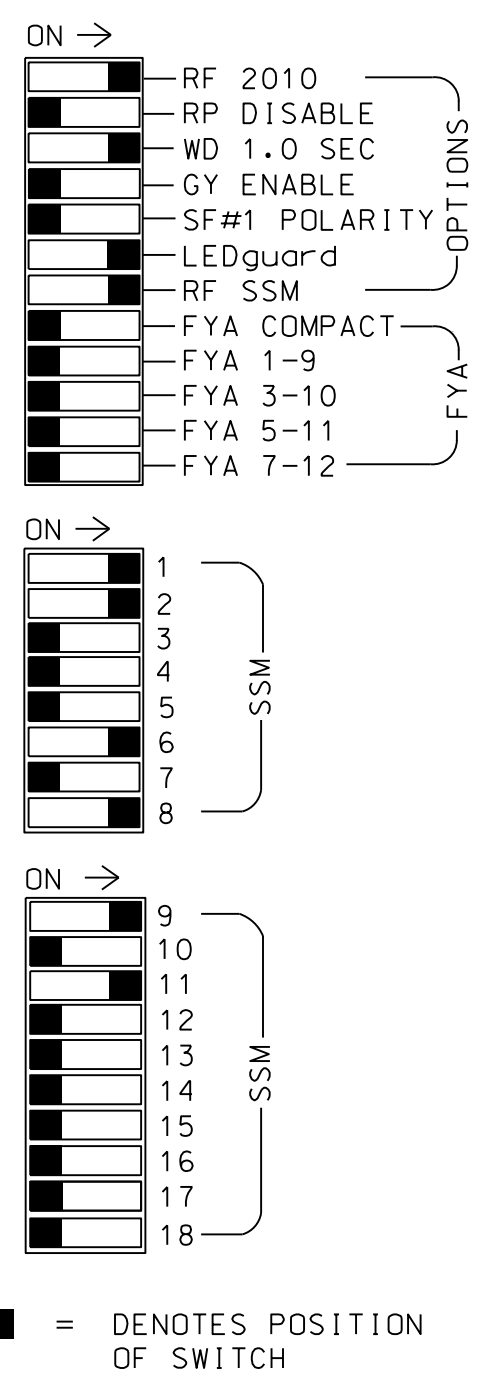
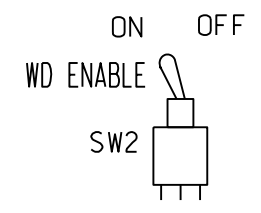
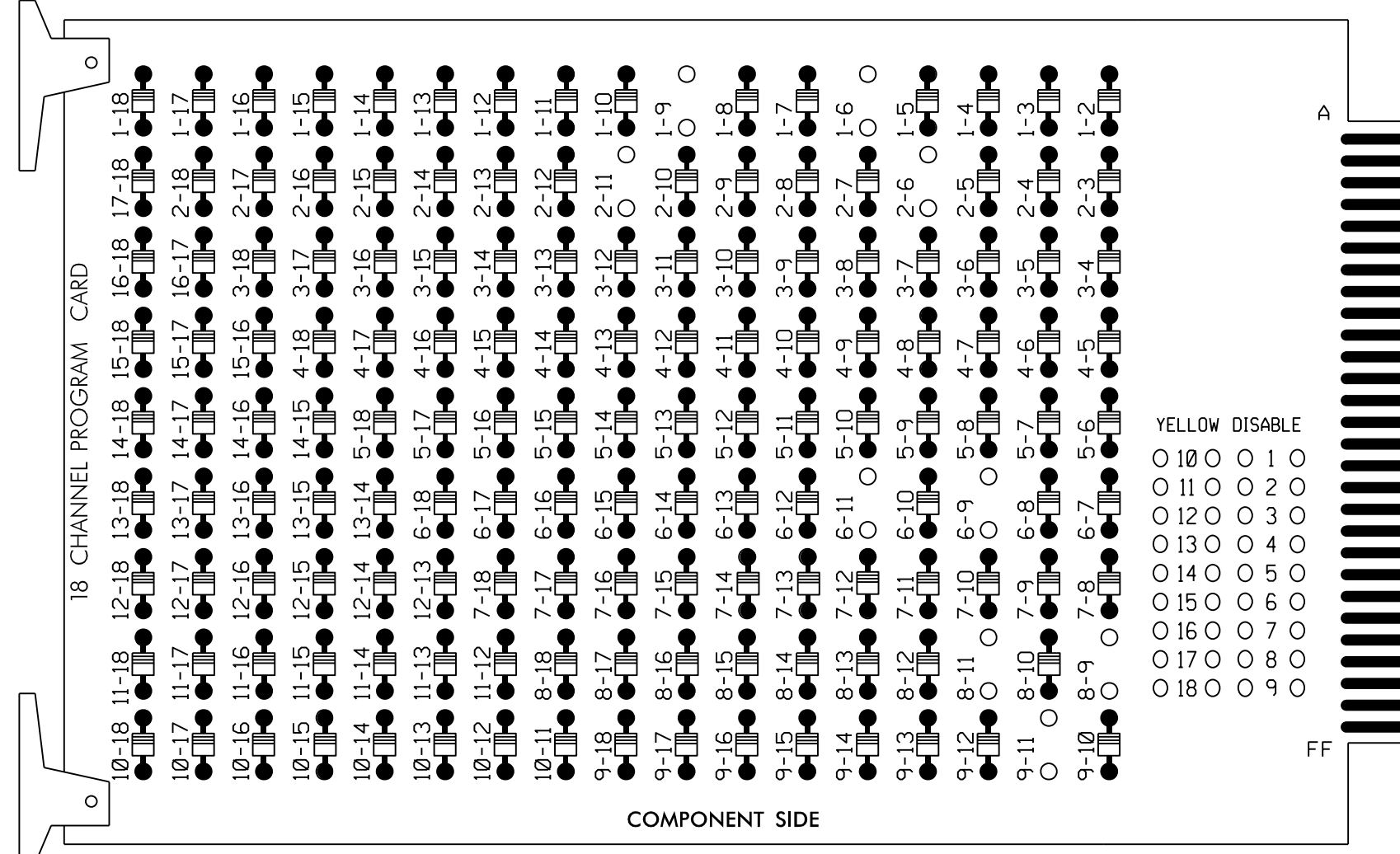


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-6, 1-9, 2-6, 2-11, 6-9, 6-11, 8-9, 8-11 AND 9-11.



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 phases 2 and 6 green.
- Enable simultaneous gap-out feature, on controller unit, for all phases.
- Program phases 2 and 6, 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.....S1,S2,S8,S11,AUX S1,AUX S4
 PHASES USED.....1,2,4*,6,8
 OVERLAP "A".....**
 OVERLAP "B".....NOT USED
 OVERLAP "C".....**
 OVERLAP "D".....NOT USED

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

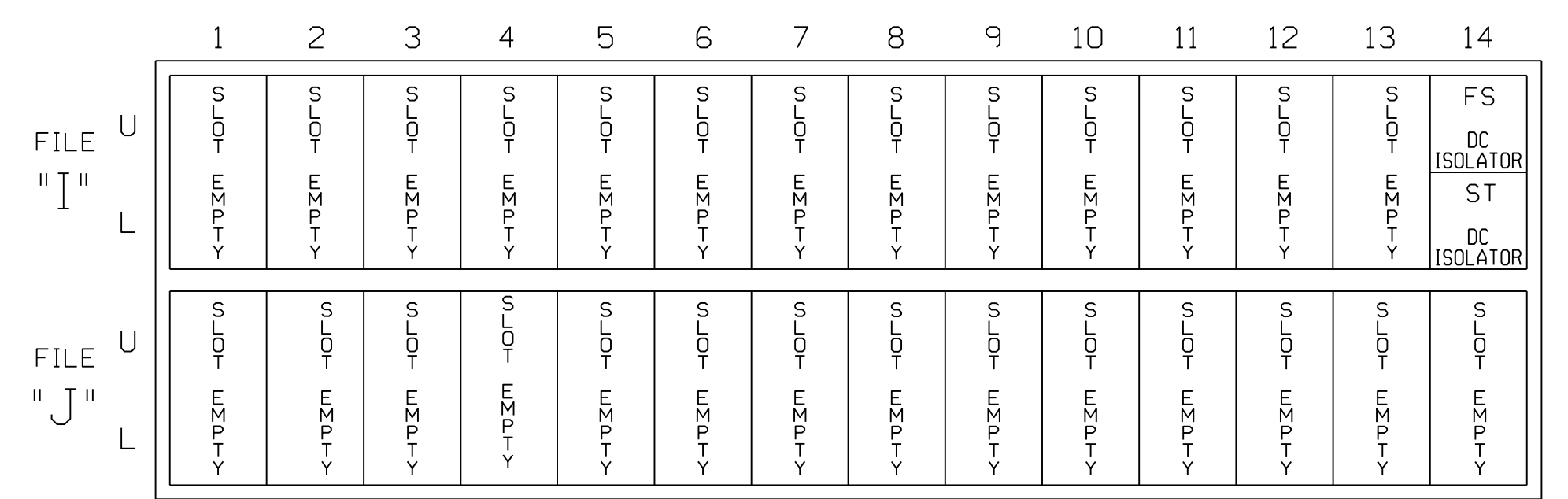
SIGNAL HEAD HOOK-UP CHART

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
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 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21	22,24	NU	NU	NC	NU	NU	61,62 63	NU	NU	81,82, 83	NU	84	NU	23	NU	NU
RED		128	128						134				A121			A114		
YELLOW		129	129						135									
GREEN			130						136									
RED ARROW	125												107					
YELLOW ARROW	126												108		A122		A115	
GREEN ARROW	127	130											109		A123		A116	

NU = Not Used
 NC = Not Connected

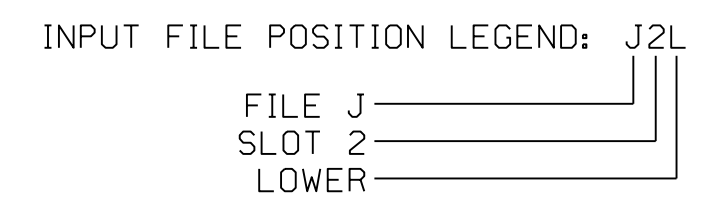
INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
ST = STOP TIME



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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 05-1982T2
 DESIGNED: Jan 2023
 SEALED: 1/24/2023
 REVISED:

Temporary Design 2 (TMP Phase III)
 Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 NC Firm License No.: F-0342 5438 Wade Park Boulevard Suite 200 Raleigh, NC 27607 Phone: 919-461-1100	 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 034481 HEMANG M. SURTI	US 401 (Louisburg Road) at SR 2224 (Mitchell Mill Road)	
		Division 5 Wake County Raleigh	PLAN DATE: Jan 2023 PREPARED BY: A. Ravipati
REVISIONS		INIT. DATE	DocuSigned by: Hemang M. Surti 1/24/2023 SIG. INVENTORY NO. 05-1982T2

1/24/2023 04:44:33 ***aecom-no-pw-dent1-ey-com-AECOM.DS21_NA_2020\Documents\60609754-U-5748_L1\gon.MIT\1#300-CAD_015#910-CAD#70-NCDDOT_TIP#Traffic\c651\gpa1s#0esi\gpa51\gpa1s#4E\ecr1\ca1-Detail\051982T2-sm.eie-2022XXXX.dgn
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