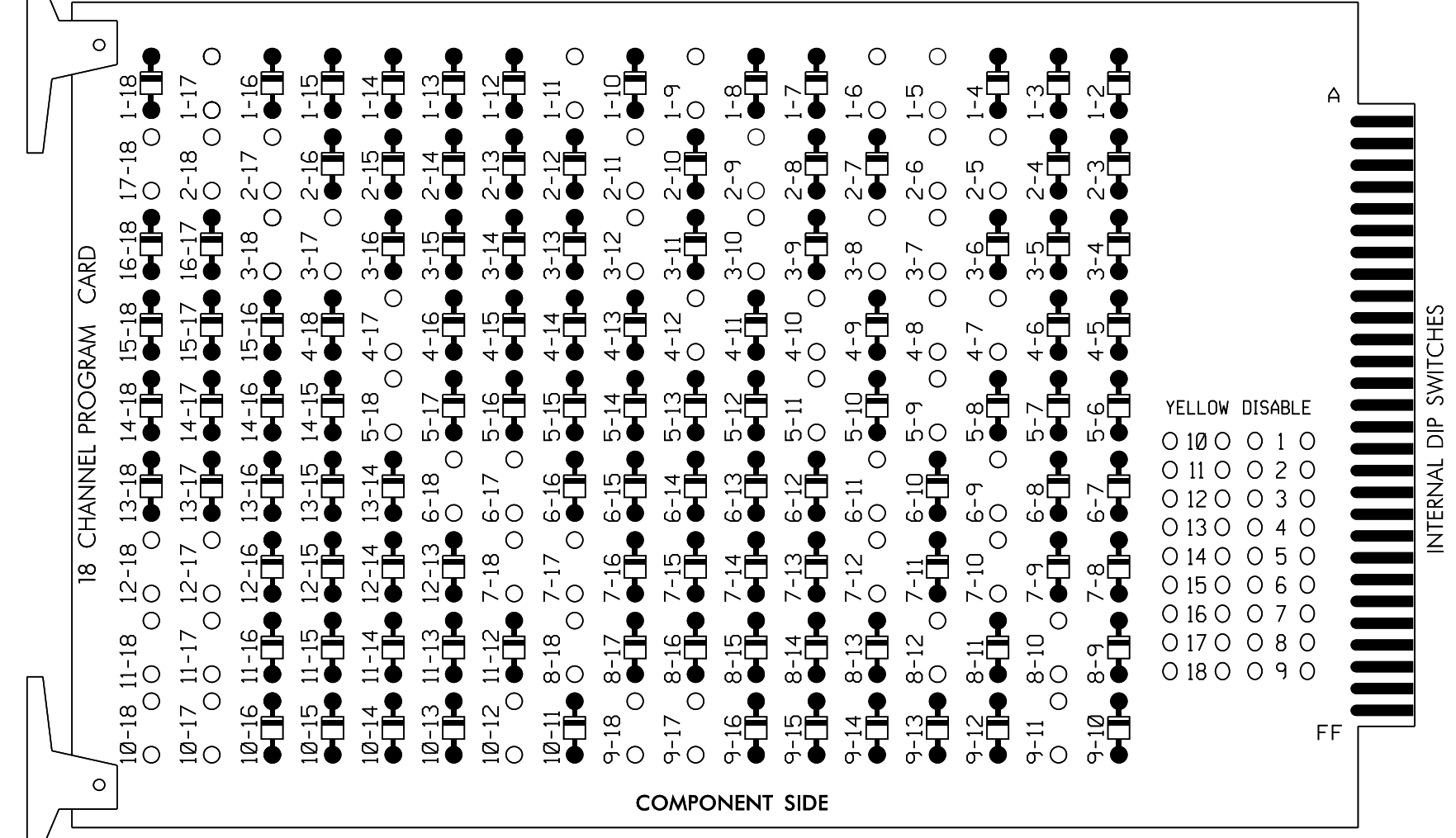


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)  
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-17, 2-5, 2-6, 2-9, 2-11, 2-17, 2-18, 3-7, 3-8, 3-10, 3-12, 3-17, 3-18, 4-7, 4-8, 4-10, 4-12, 4-17, 5-9, 5-11, 5-18, 6-9, 6-11, 6-17, 6-18, 7-10, 7-12, 7-17, 7-18, 8-10, 8-12, 8-18, 9-11, 9-17, 9-18, 10-12, 10-17, 10-18, 11-17, 11-18, 12-17, 12-18, and 17-18.



REMOVE JUMPERS 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. Integrate monitor with Ethernet network in cabinet.

■ = DENOTES POSITION OF SWITCH

### 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 phases 4 and 8 for Dual Entry.
3. Program controller to start up in phase 2 Green and 6 Green.
4. The cabinet and controller are part of the Fayetteville Signal System.

### EQUIPMENT INFORMATION

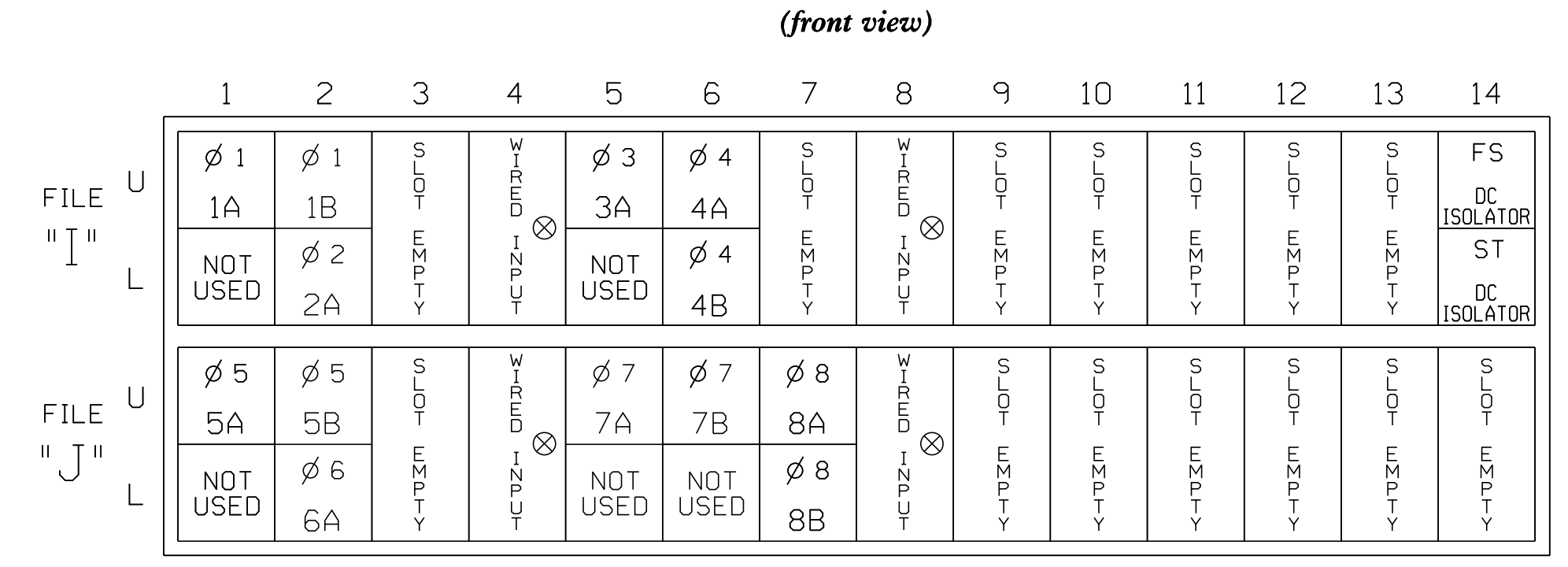
CONTROLLER.....2070LX  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,  
 S10,S11,AUX S1,AUX S2,  
 AUX S3,AUX S4,AUX S5,AUX S6  
 PHASES USED.....1,2,3,4,5,6,7,8  
 OVERLAP "A".....\*  
 OVERLAP "B".....\*  
 OVERLAP "C".....\*  
 OVERLAP "D".....\*  
 OVERLAP "E".....\*  
 OVERLAP "F".....\*  
 \* See overlap programming detail on sheet 2

### 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	OLE	OLC	OLD	OLF		
SIGNAL HEAD NO.	11	82	21,22	NU	31	41,42	NU	42	51	61,62	NU	71	81,82	NU	11	31	63	51	71	23
RED		*	128		101		*	134		107						A111			A104	
YELLOW			129	*	102			135	*	108										
GREEN			130		103			136		109										
RED ARROW															A121	A124		A114	A101	
YELLOW ARROW	126						132								A122	A125	A112	A115	A102	A105
FLASHING YELLOW ARROW															A123	A126	A113	A116	A103	A106
GREEN ARROW	127	127			118		133	133		124										

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

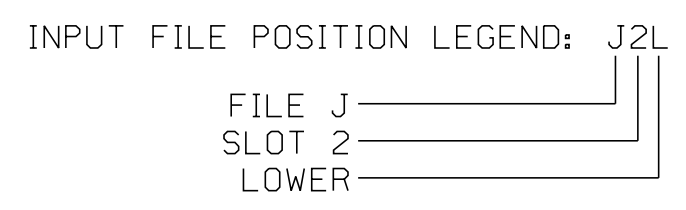
### INPUT FILE POSITION LAYOUT



### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1★	1	YES		15	---	N
	-	J4U	48	26★	6	YES		3	---	G
1B	TB2-5,6	I2U	39	2	1	YES	---	15	---	N
2A	TB2-7,8	I2L	43	12	2	YES	---	---	X	N
3A	TB4-5,6	I5U	58	3★	3	YES	---	15	---	N
	-	J8U	50	28★	8	YES	---	---	---	N
4A	TB4-9,10	I6U	41	4	4	NO	3.2	---	---	N
4B	TB4-11,12	I6L	45	14	4	YES	---	3	---	N
5A	TB3-1,2	J1U	55	5★	5	YES	---	15	---	N
	-	I4U	47	22★	2	YES	---	3	---	G
5B	TB3-5,6	J2U	40	6	5	YES	---	15	---	N
6A	TB3-7,8	J2L	44	16	6	YES	---	---	X	N
7A	TB5-5,6	J5U	57	7★	7	YES	---	15	---	N
	-	I8U	49	24★	4	YES	---	---	---	N
7B	TB5-9,10	J6U	42	8	7	YES	---	15	---	N
8A	TB5-11,12	J6L	46	18	8	NO	3.2	---	---	N
8B	TB7-1,2	J7U	66	38	8	YES	---	---	---	N

1. Add jumper from I1-W to J4-W, on rear of input file.
  2. Add jumper from I5-W to J8-W, on rear of input file.
  3. Add jumper from J1-W to I4-W, on rear of input file.
  4. Add jumper from J5-W to I8-W, on rear of input file.
- ★ See vehicle detector setup programming detail for alternate phasing on sheets 3 and 4.



### FLASHER CIRCUIT MODIFICATION DETAIL

In order to ensure that signals flash concurrently on the same approach, make the following flasher circuit changes:

1. On rear of PDA - remove wire from Term. T2-4 and terminate on T2-2.
  2. On rear of PDA - remove wire from Term. T2-5 and terminate on T2-3.
  3. Remove flasher unit 2.
- The changes listed above ties all phases and overlaps to flasher unit 1.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1131  
 DESIGNED: January 2022  
 SEALED: 1/5/2022  
 REVISED: N/A

Signal Upgrade - Final  
 Electrical Detail - Sheet 1 of 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 NC FIRM LICENSE No. F-0493 8521 SIX FORKS ROAD, SUITE 400 RALEIGH, NC 27615 (919) 926-4100	ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared for the Offices of: 	SR 1102 (Gillis Hill Road) at SR 1112 (Stoney Point Road)	SEAL 
	Division 6 Cumberland County Fayetteville PLAN DATE: January 2022 REVIEWED BY: V. Kaiser PREPARED BY: S.G. Haynie REVIEWED BY:	REVISIONS INIT. DATE _____ _____	SIGNATURE DATE _____ _____