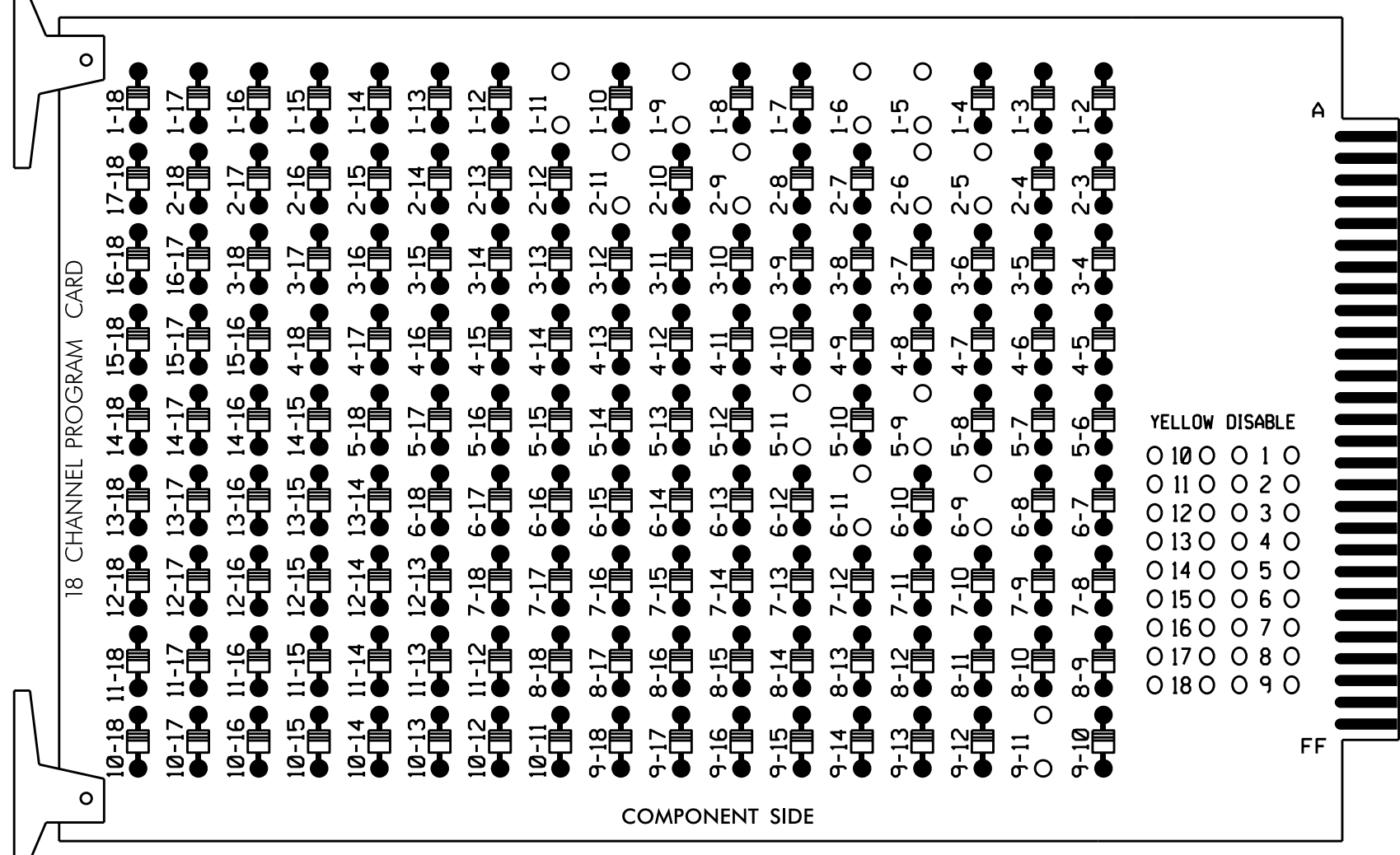


### EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 5-9, 5-11, 6-9, 6-11, and 9-11.



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.

**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. Enable Simultaneous Gap-Out for all phases.
3. Program phases 2 and 6 for volume density operation.
4. Program controller to start up in phase 2 Green and 6 Green.
5. The cabinet and controller are part of the Fayetteville Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 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,  
 AUX S1,AUX S4  
 PHASES USED.....1,2,3,4,5,6  
 OVERLAP "A".....\*  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....\*  
 OVERLAP "D".....NOT USED  
 \* See overlap programming detail on sheet 2

**SIGNAL HEAD HOOK-UP CHART**

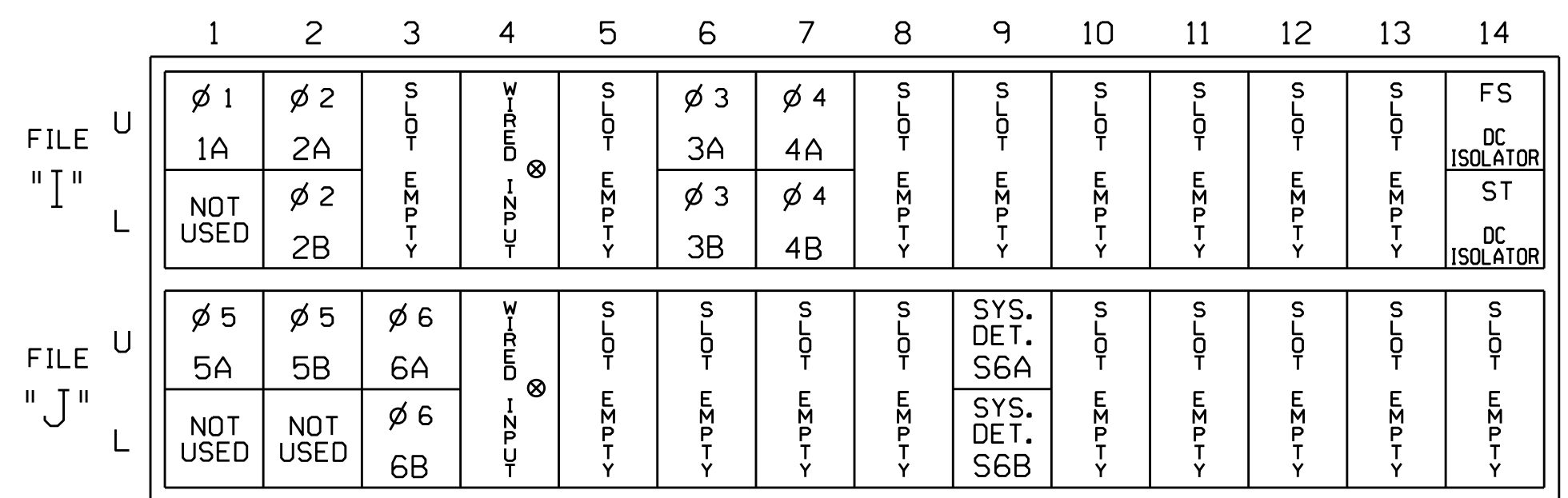
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6				
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18				
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE				
SIGNAL HEAD NO.	11*	21,22	NU	31	32	62	22	41	42	NU	32	51*	61,62	NU	NU	NU	NU	11*	51*	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																					A121	A114
YELLOW ARROW								117	102			132									A122	A115
FLASHING YELLOW ARROW																					A123	A116
GREEN ARROW	127			118	118	103	103					133	133									

NU = Not Used

\* Denotes install load resistor. See load resistor installation detail this sheet.  
 \* See pictorial of head wiring in detail below.

**INPUT FILE POSITION LAYOUT**

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME  
 \* Wired Input - Do not populate slot with detector card

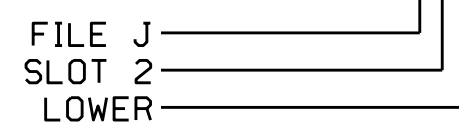
**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A <sup>1</sup>	TB2-1,2	I1U	56	★ 1	1	YES		15	S
	-	J4U	48	★ 26	6	YES		3	G
2A	TB2-5,6	I2U	39	2	2	YES			N
2B	TB2-7,8	I2L	43	12	2	YES			N
3A	TB4-9,10	I6U	41	4	3	YES		3	S
3B	TB4-11,12	I6L	45	14	3	YES		10	S
4A	TB6-1,2	I7U	65	34	4	YES		3	S
4B	TB6-3,4	I7L	78	44	4	YES			S
5A <sup>2</sup>	TB3-1,2	J1U	55	★ 5	5	YES		15	S
	-	I4U	47	★ 22	2	YES		3	G
5B	TB3-5,6	J2U	40	6	5	YES		15	S
6A	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N
*S6A	TB7-9,10	J9U	59	15	SYS	NO			N
*S6B	TB7-11,12	J9L	61	17	SYS	NO			N

- \* System detector only. Remove any assigned vehicle phase.
- \* For the detectors to work as shown on the signal design plan, see the Vehicle Detector Setup Programming Detail for Alternate Phasing on sheet 3.

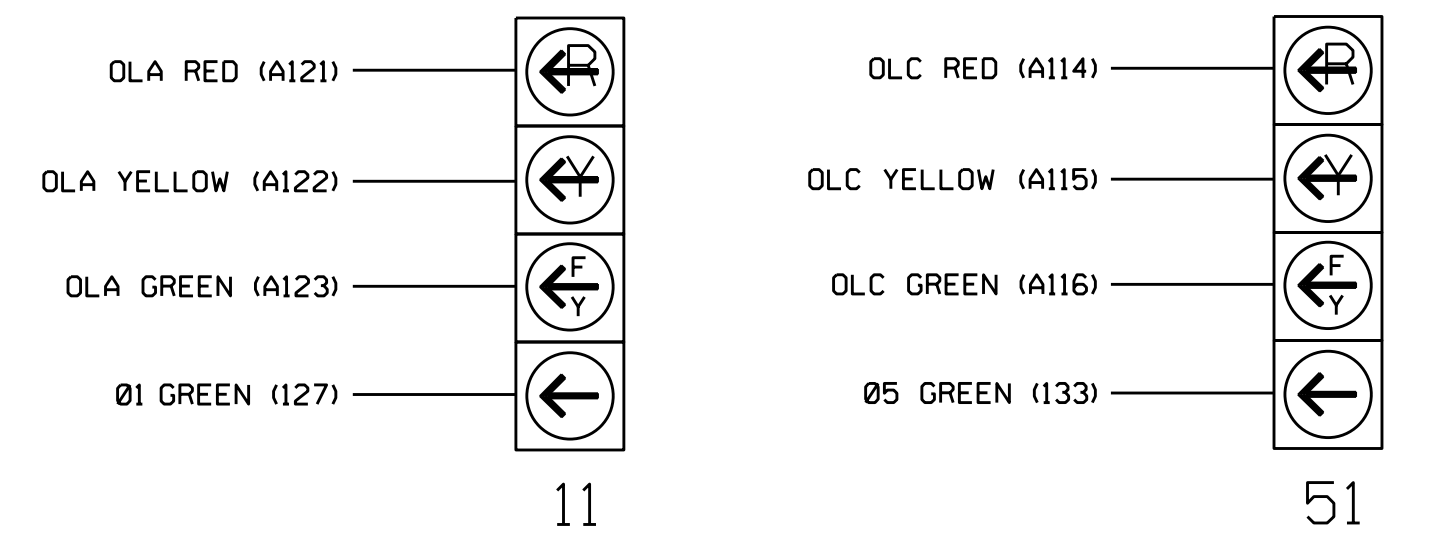
- <sup>1</sup>Add jumper from I1-W to J4-W, on rear of input file.
- <sup>2</sup>Add jumper from J1-W to I4-W, on rear of input file.

**INPUT FILE POSITION LEGEND: J2L**



**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)

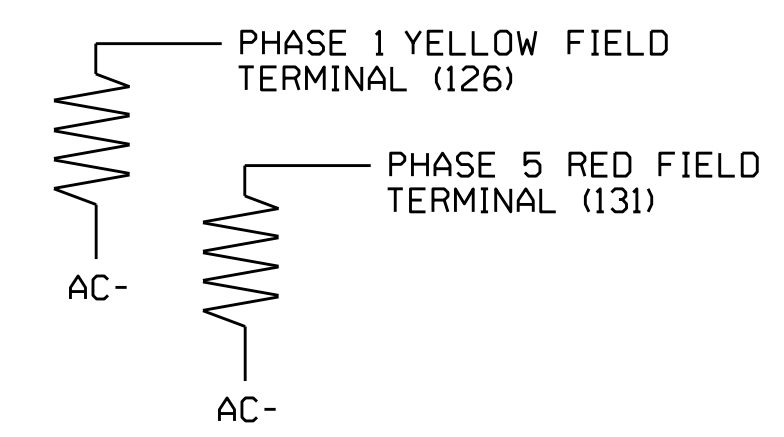


THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0360  
 DESIGNED: December 2015  
 SEALED: 5/9/2016  
 REVISED: N/A

**LOAD RESISTOR INSTALLATION DETAIL**

(install resistors as shown)

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



Electrical Detail - Sheet 1 of 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:  
  
 750 N. Greenfield Pkwy, Garner, NC 27529

US 401 (Ramsey Street) at SR 1611 (Andrews Road)/ New Century Bank Driveway

Division 6 Cumberland County Fayetteville

PLAN DATE: May 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

Seal of Keith M. Minus, Professional Engineer, No. 036880

DocuSigned by: Keith M. Minus 6/7/2016

SIG. INVENTORY NO. 06-0360

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