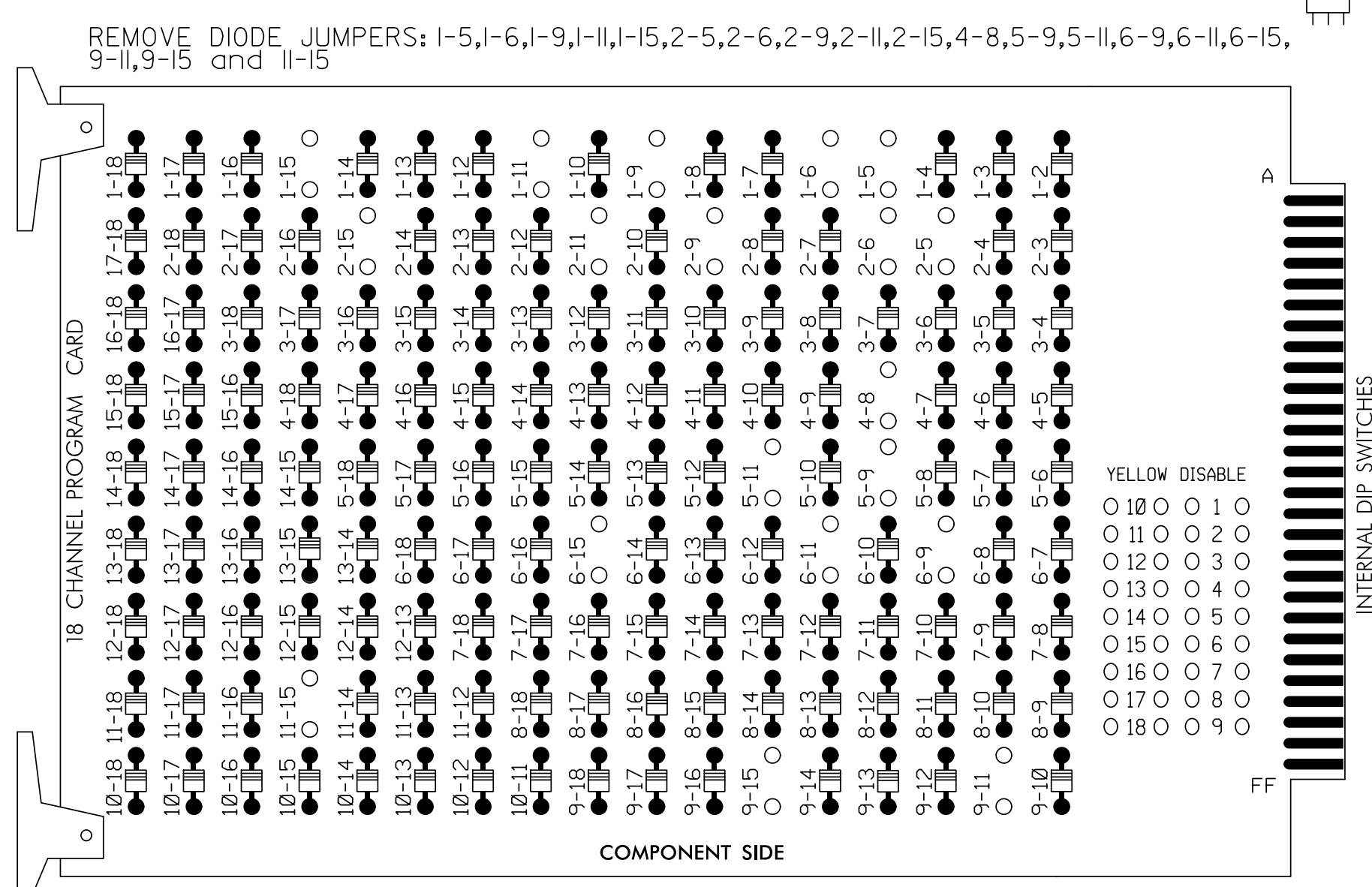


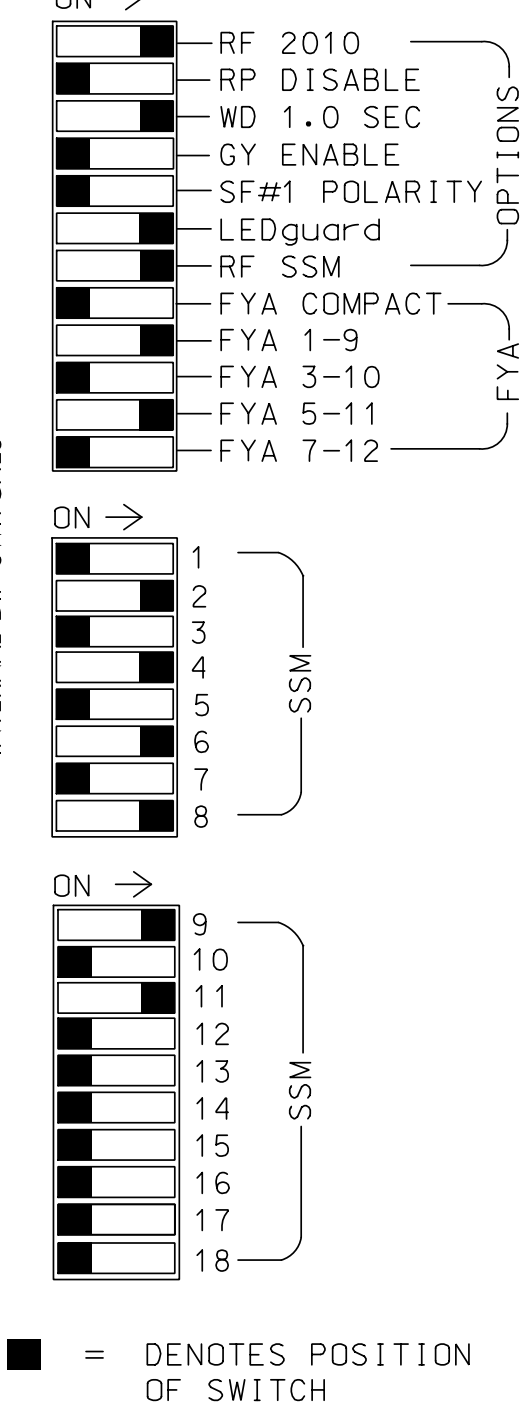
EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



REMOVE JUMPERS 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 Red Enable is active at all times during normal operation.
 - Integrate monitor with Ethernet network in cabinet.



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 phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Green and 6 Walk.
- 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,S5,S7,S8,S9,S11,
 AUX S1,AUX S4
 PHASES USED.....1,2,4,5,6,6PED,8
 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	NU	41,42	NU	51	61,62	P61, P62	NU	81,82	NU	11	NU	NU	51	NU	NU	
RED	128				101			134			107								
YELLOW	*	129			102		*	135			108								
GREEN		130			103			136			109								
RED ARROW													A121					A114	
YELLOW ARROW													A122						A115
FLASHING YELLOW ARROW													A123						A116
GREEN ARROW	127							133											
Hand icon													119						
Person icon													121						

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

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	∅ 1 1A	∅ 2/SYS 2A/S2A	∅ 3/SYS 3A/S3A	∅ 4 4A	∅ 5 5A	∅ 6/SYS 6A/S6A	∅ 7/SYS 7A/S7A	∅ 8 8A	∅ 9/SYS 9A/S9A	∅ 10/SYS 10A/S10A	∅ 11/SYS 11A/S11A	∅ 12/SYS 12A/S12A	∅ 13/SYS 13A/S13A	∅ 14/SYS 14A/S14A
L	NOT USED	∅ 2/SYS 2B/S2B	∅ 3/SYS 3B/S3B	∅ 4 4B	NOT USED	∅ 6/SYS 6B/S6B	∅ 7/SYS 7B/S7B	NOT USED	∅ 9/SYS 9B/S9B	∅ 10/SYS 10B/S10B	∅ 11/SYS 11B/S11B	∅ 12/SYS 12B/S12B	∅ 13/SYS 13B/S13B	∅ 14/SYS 14B/S14B

EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

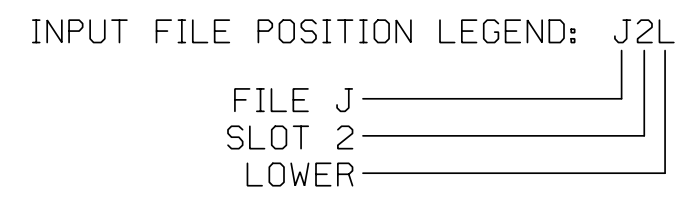
⊗ Wired Input - Do not populate slot with detector card

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 ¹	TB2-1,2	I1U	56	1	1	YES		15	S
		J4U	48	26	6	YES		3	G
2A/S2A	TB2-5,6	I2U	39	2	2	YES			N
2B/S2B	TB2-7,8	I2L	43	12	2	YES			N
4A	TB4-9,10	I6U	41	4	4	YES		3	S
4B	TB4-11,12	I6L	45	14	4	YES			S
5A ²	TB3-1,2	J1U	55	5	5	YES		15	S
		I4U	47	22	2	YES		3	G
6A/S6A	TB3-5,6	J2U	40	6	6	YES			N
6B/S6B	TB3-7,8	J2L	44	16	6	YES			N
8A	TB5-9,10	J6U	42	8	8	YES		3	S
PED PUSH BUTTONS									
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				

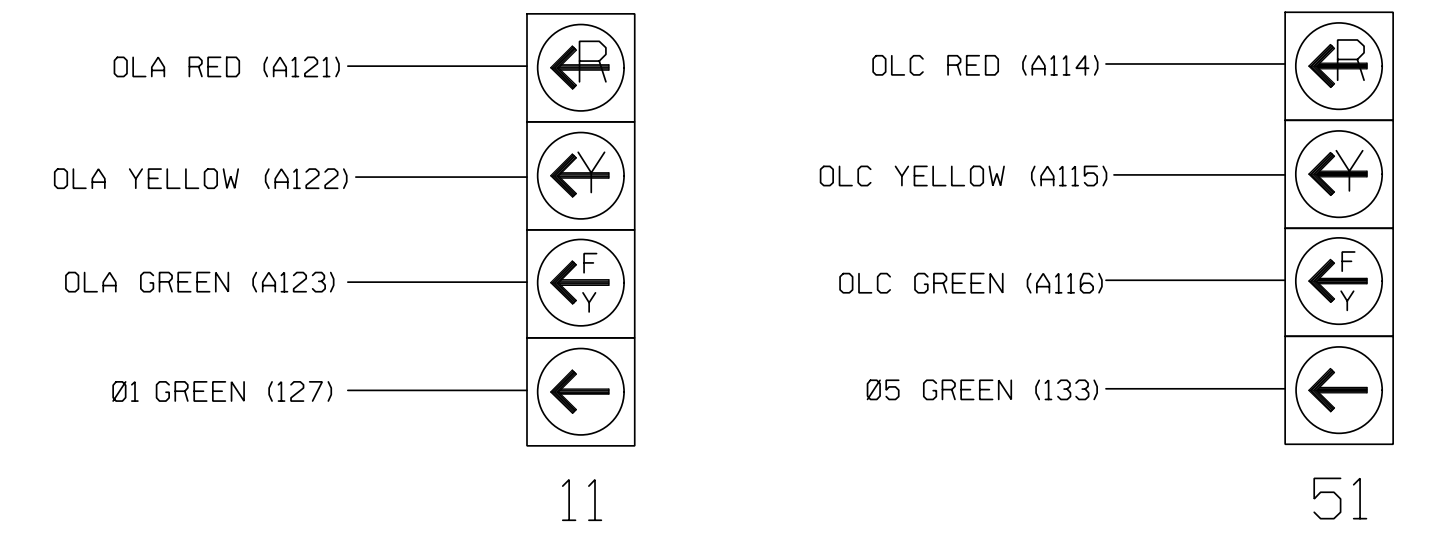
NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOT 113.

- Add jumper from I1-W to J4-W, on rear of input file.
- Add jumper from J1-W to I4-W, on rear of input file.



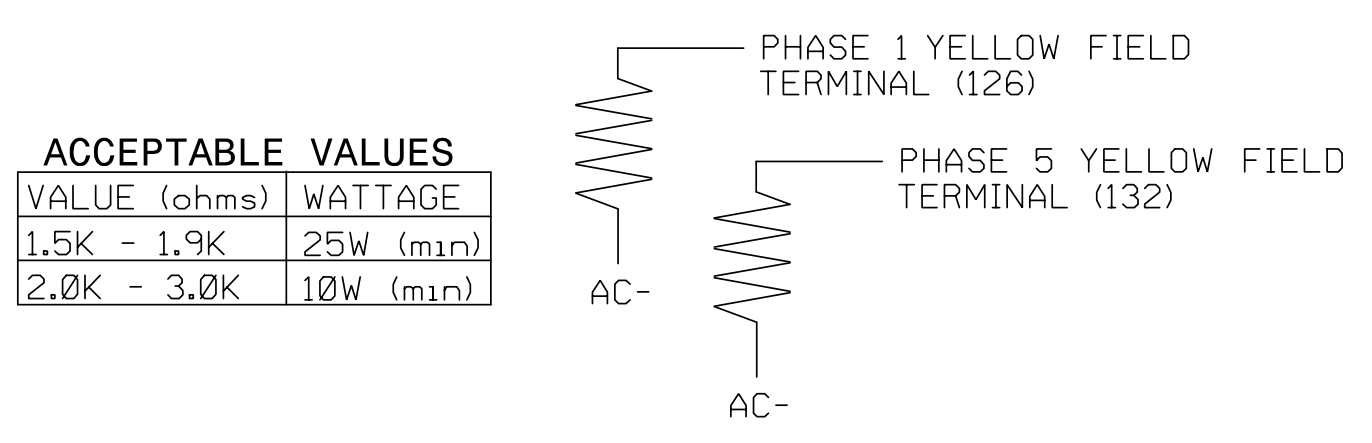
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



Electrical Detail Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For:

 Prepared For:
 PLANS PREPARED IN THE OFFICE OF:
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 Raleigh, NC 27601
 (919) 677-2000

SR 1403 (South Reilly Road) at Riegelwood Street/Lexi Lane

Division 6	Cumberland County	Fayetteville
PLAN DATE: July 2016	REVIEWED BY: SL Phillips	
PREPARED BY: SP Pennington	REVIEWED BY: KB Baumann	
REVISIONS	INIT.	DATE

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 032607
 STAGE L. PHILLIPS
 DocuSigned by:

 9/1/2016
 DATE
 SIG. INVENTORY NO. 06-0956

8/21/2016 K:\REAL_TPO\SIGNALS\4011036345_Fayetteville_Electr\Coils\654 - Signal Design\3rd_Submit\Final\1931_060956-2016e1.dgn Susan Pennington