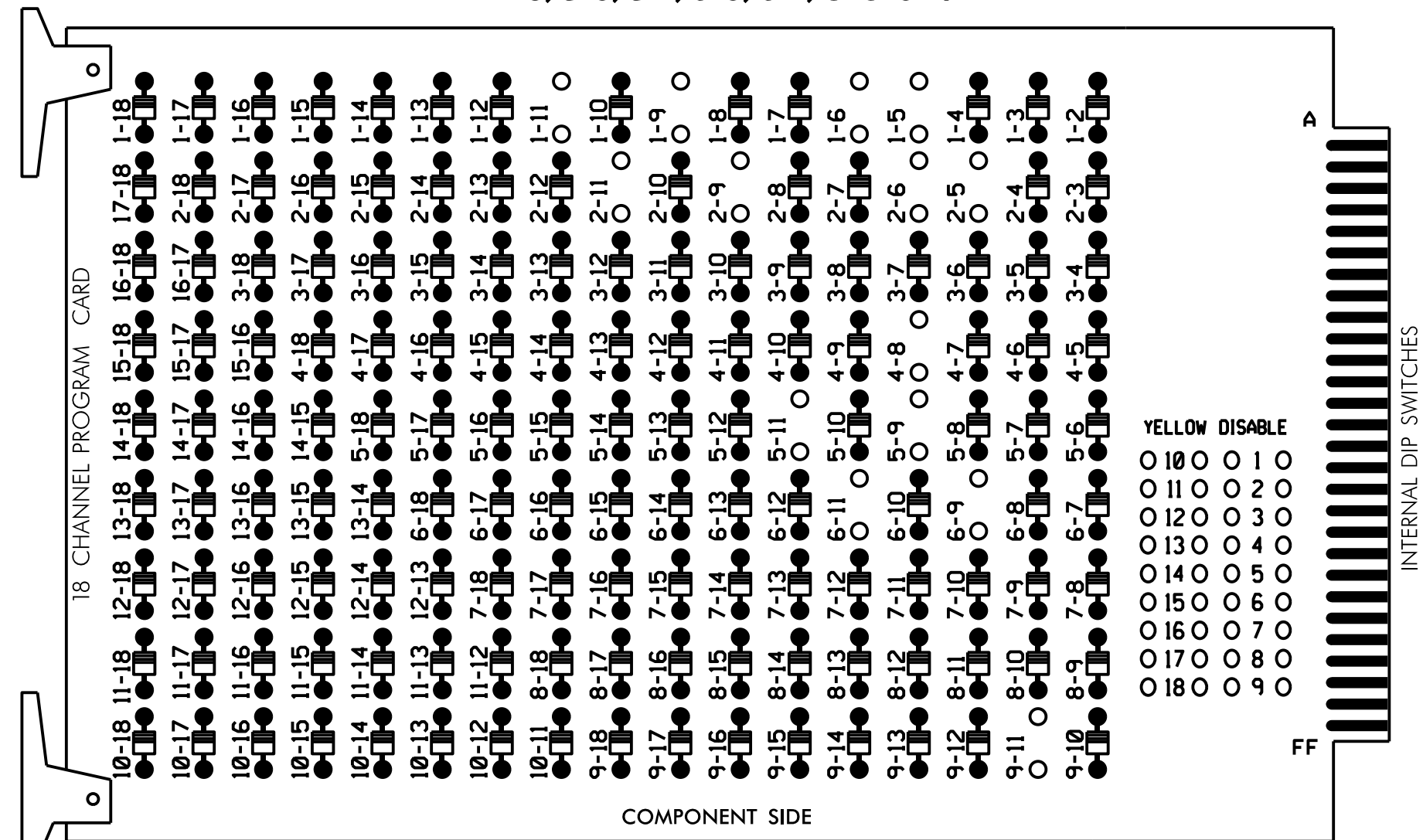


### EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

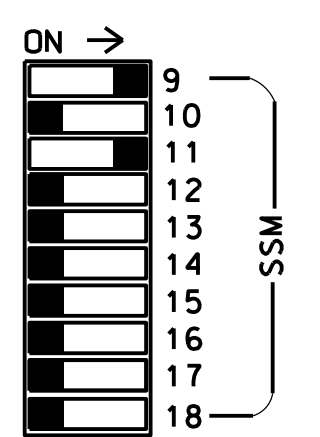
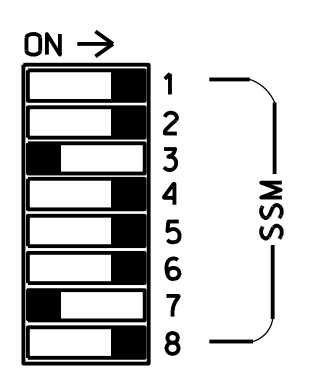
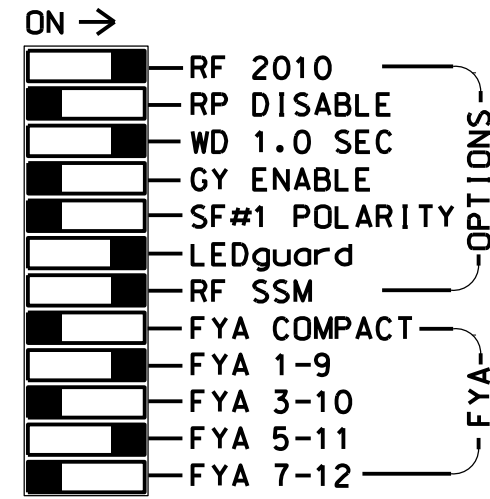
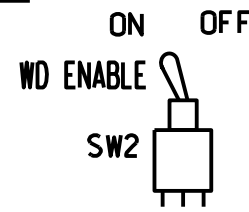
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 4-8, 5-9, 5-11, 6-9, 6-11, and 9-11.



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.



■ = DENOTES POSITION OF SWITCH

### 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 Green.
- The cabinet and controller are part of the Fayetteville Signal System.
- Program phases 2 and 6 for Yellow Flash.

### 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,S11,AUX S1,  
 AUX S4  
 PHASES USED.....1,2,4,5,6,8  
 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
EMU 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*	82	21,22	NU	NU	41,42	NU	51*	61,62	NU	NU	81,82	NU	11*	NU	NU	51*	NU
RED		*	128		101		*	134		107								
YELLOW			129		102		*	135		108								
GREEN			130		103			136		109								
RED ARROW														A121				A114
YELLOW ARROW			126											A122				A115
FLASHING YELLOW ARROW														A123				A116
GREEN ARROW	127	127						133										

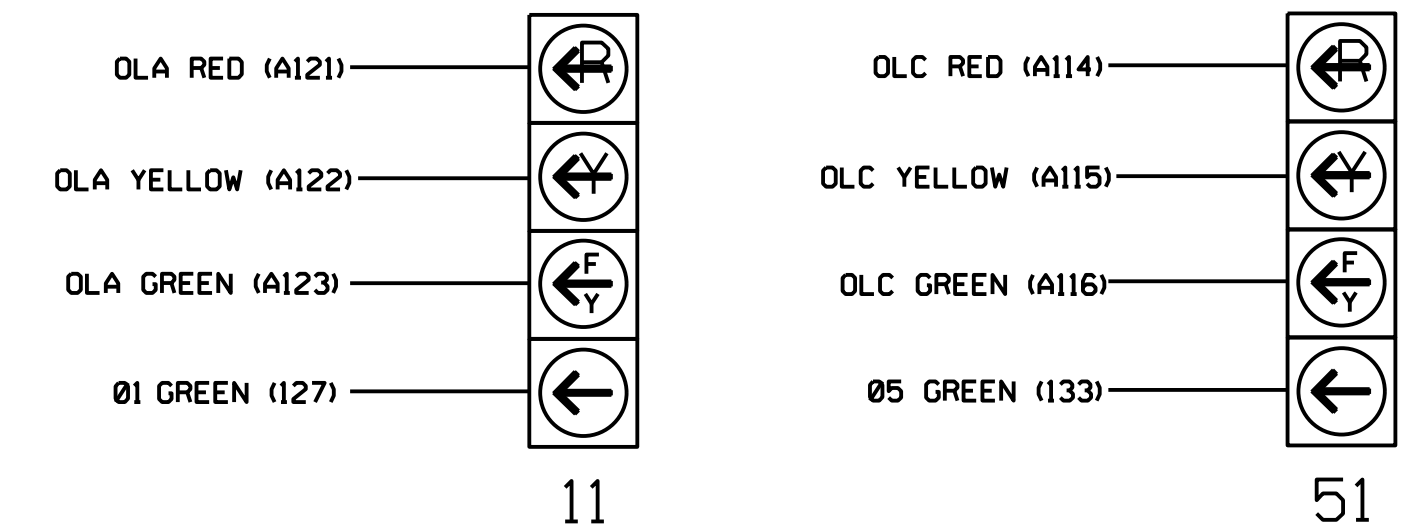
NU = Not Used

\* Denotes install load resistor. See load resistor installation detail this sheet.

\* See pictorial of head wiring in detail this sheet.

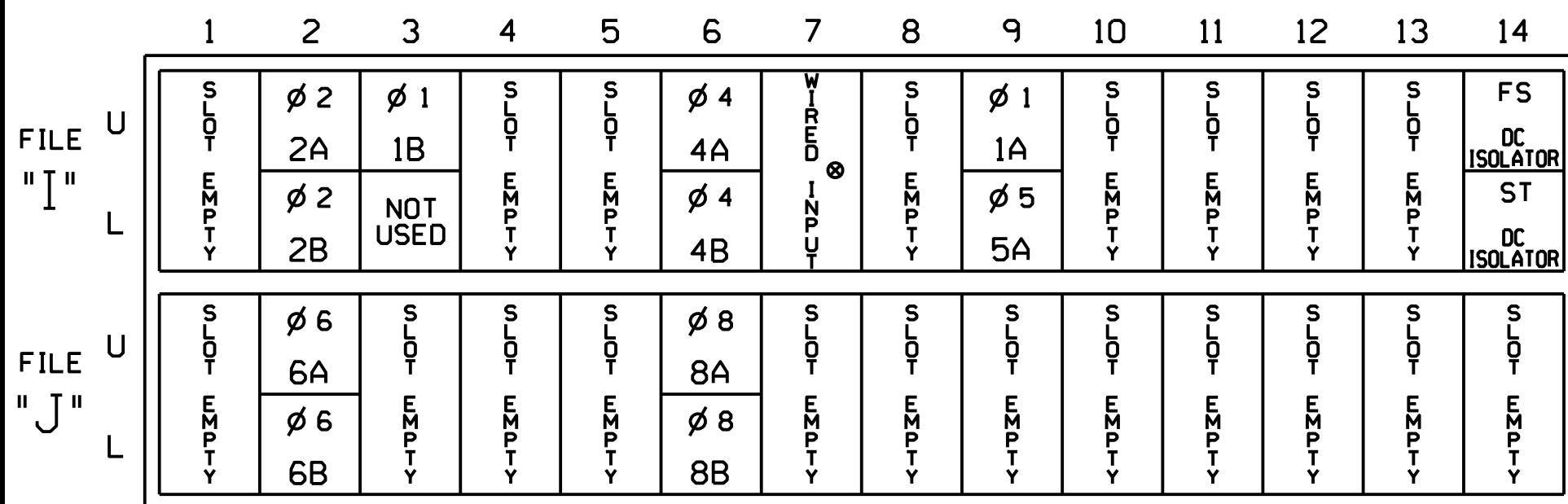
### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



### INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE  
 ST = STOP TIME

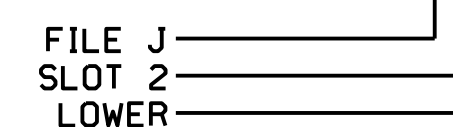
⊗ Wired Input - Do not populate slot with detector card

### INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A*	TB6-1,2	I7U	65	34	6		3	G
	TB6-9,10	I9U	60	11	1		15	S
1B	TB2-9,10	I3U	63	32	1		15	S
2A	TB2-5,6	I2U	39	2	2			S
2B	TB2-7,8	I2L	43	12	2			S
4A	TB4-9,10	I6U	41	4	4		3	S
4B	TB4-11,12	I6L	45	14	4		10	S
	TB6-3,4	I7L	78	44	2		3	S
5A*	TB6-11,12	I9L	62	13	5		15	G
6A	TB3-5,6	J2U	40	6	6			S
6B	TB3-7,8	J2L	44	16	6			S
8A	TB5-9,10	J6U	42	8	8		3	S
8B	TB5-11,12	J6L	46	18	8			S

- \* Add jumper from I7-F to I9-F.
- \* Add jumper from I7-W to I9-W.

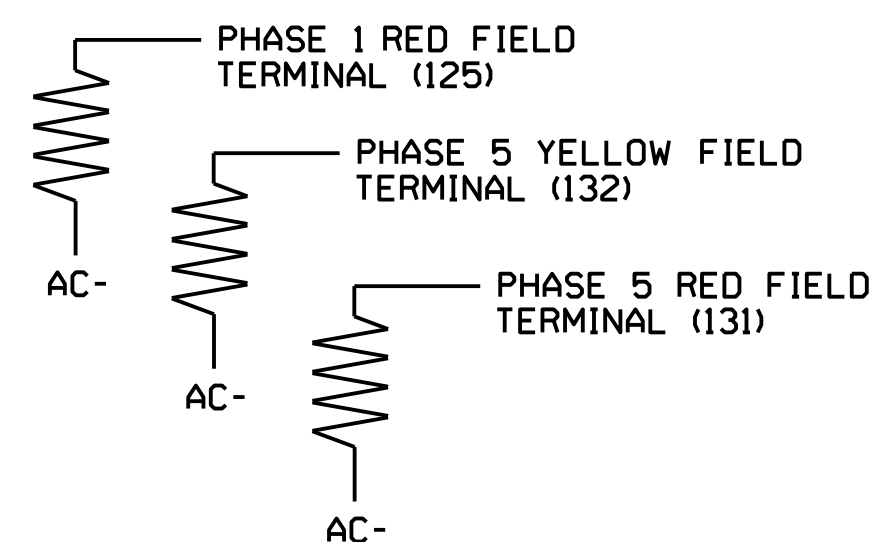
INPUT FILE POSITION LEGEND: J2L



### LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

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



### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: C027  
 DESIGNED: NOVEMBER 2016  
 SEALED: 11/18/2016  
 REVISED:

Electrical Detail Sheet 1 of 2

Prepared In the Offices of:  
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VILLAGE DRIVE AT PURDUE DRIVE

DIV 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: BLR REVIEWED BY:

REVISIONS	INIT.	DATE

DocuSigned by:  
**Russell W Thompson** 11/21/2016  
 SEAL 032711  
 RUSSELL W. THOMPSON  
 PROFESSIONAL ENGINEER  
 STATE OF NORTH CAROLINA  
 SEAL  
 SIG. INVENTORY NO. C027

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