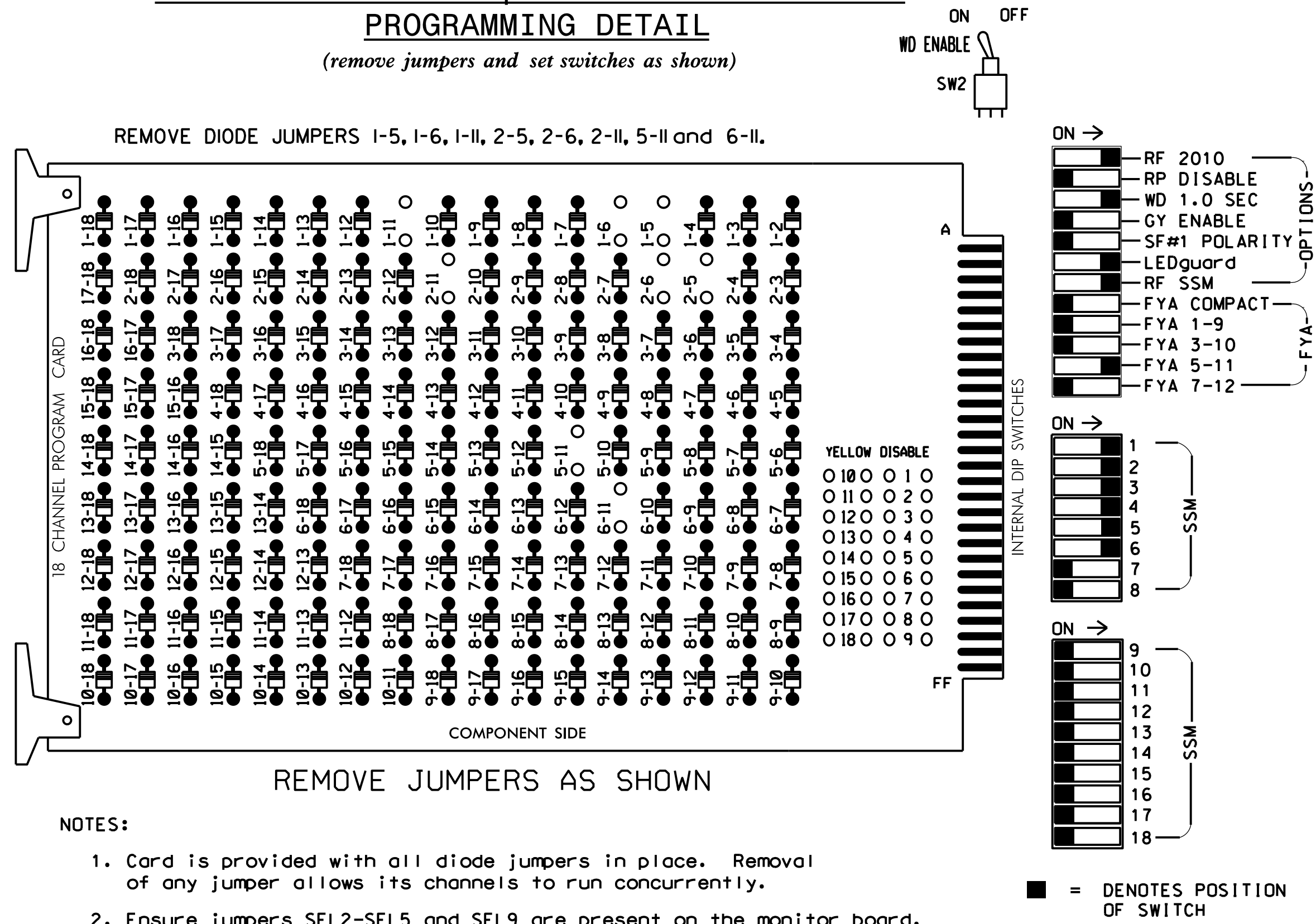


### EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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 2 and 6 for Start Up In Green.
- Enable Simultaneous Gap-Out for all phases.
- The cabinet and controller are part of the Fayetteville City Signal System.
- Program phases 2 and 6 for Yellow Flash.

### EQUIPMENT INFORMATION

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

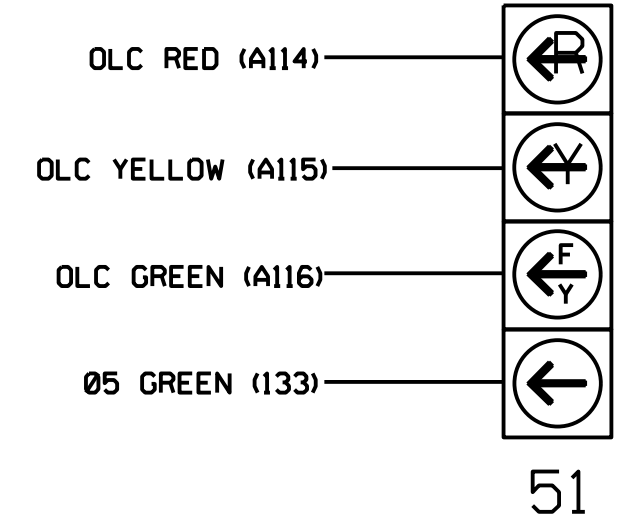
### SIGNAL HEAD HOOK-UP CHART

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	41	42	NU	43	51*	61,62	NU	NU	NU	NU	51*	NU	NU	
RED	128			115	115		101		*		134								
YELLOW	129			116	116		102				135								
GREEN	130			117	117		103				136								
RED ARROW	125						104											A114	
YELLOW ARROW	126						105			132									A115
FLASHING YELLOW ARROW																			A116
GREEN ARROW	127			118		106			133	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)

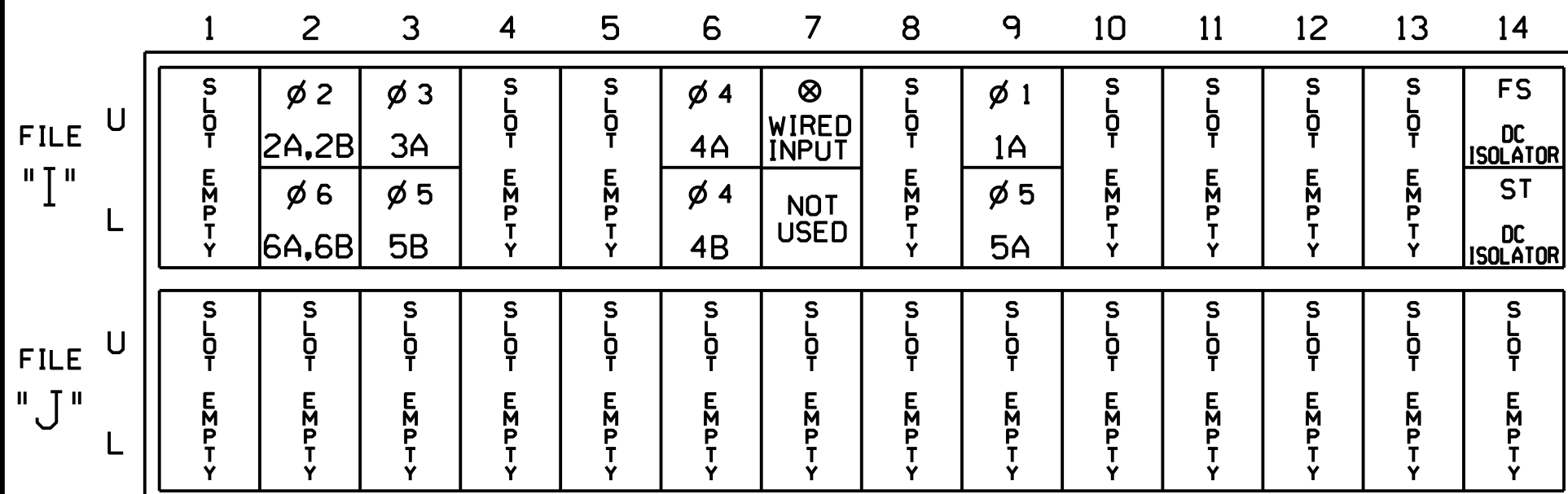


**NOTE**

- The sequence display for this signal requires special logic programming. See sheet 2 of 2 for programming instructions.

### INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE  
 ST = STOP TIME

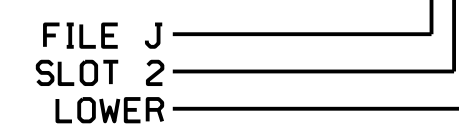
• Wired Input - Do not populate slot with detector card

### 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	TB6-9,10	19U	60	11	1			S
2A,2B	TB2-5,6	12U	39	2	2			S
3A	TB2-9,10	13U	63	32	3		3	S
4A	TB4-9,10	16U	41	4	4			S
4B	TB4-11,12	16L	45	14	4			S
5A	TB6-1,2	17U	65	34	2		15	S
	TB6-11,12	19L	62	13	5		3	G
5B	TB2-11,12	13L	76	42	5		15	S
6A,6B	TB2-7,8	12L	43	12	6			S

• Add jumper from J1-W to 14-W, on rear of input file.

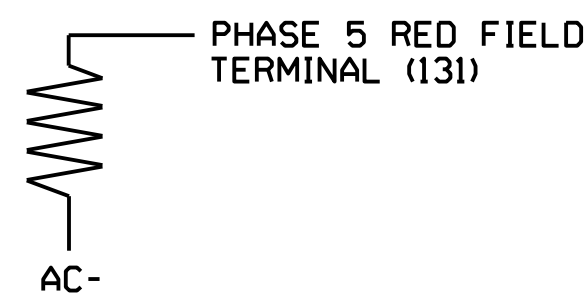
### INPUT FILE POSITION LEGEND: J2L



### LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: C016  
 DESIGNED: NOVEMBER 2016  
 SEALED: 11/17/2016  
 REVISED:

Electrical Detail Sheet 1 of 2

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Seal and signature area for Russell W. Thompson, Professional Engineer, No. 032711, State of North Carolina. Includes project name: McPHERSON CHURCH ROAD AT McPHERSON SQUARE, Fayetteville, Cumberland County, NC. Date: 11/21/2016.

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