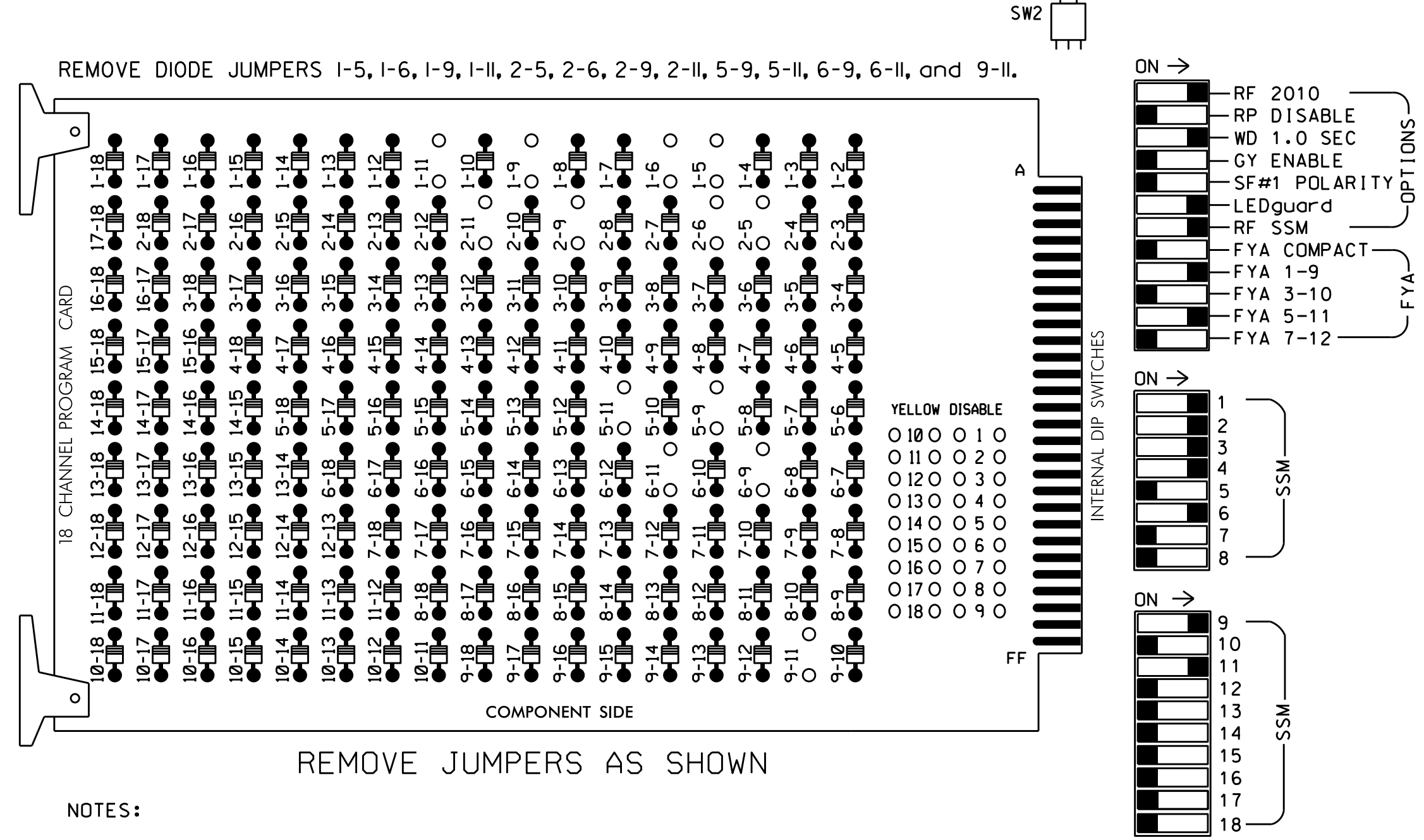


**EDI MODEL 2018EClip-NC CONFLICT MONITOR**

**PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

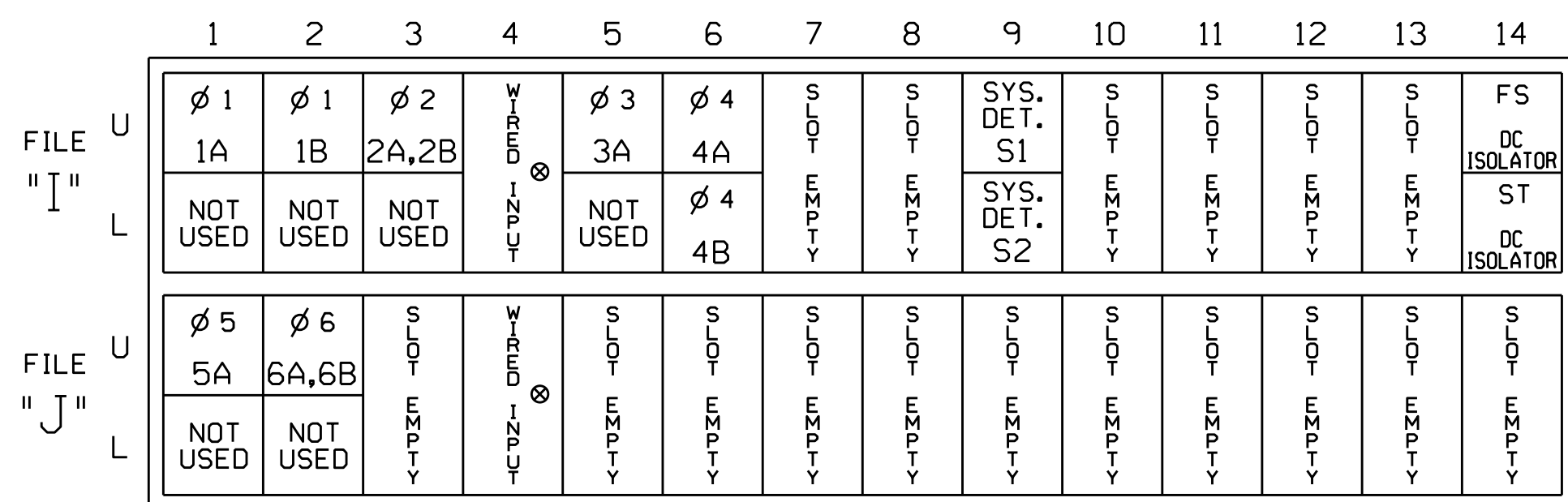


**NOTES:**

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.

**INPUT FILE POSITION LAYOUT**

(front view)



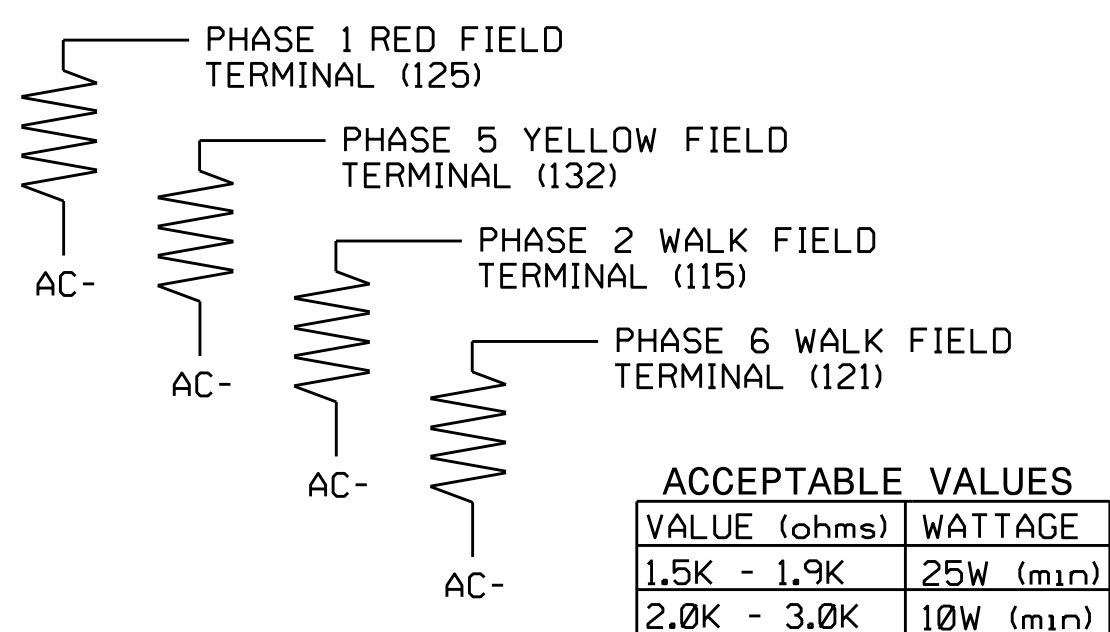
EX.: 1A, 2A, ETC. = LOOP NO.'S

⊗ Wired Input - Do not populate slot with detector card

FS = FLASH SENSE  
ST = STOP TIME

**LOAD RESISTOR INSTALLATION DETAIL**

(install resistors as shown below)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-1748  
DESIGNED: December 2014  
SEALED: 4/22/2015  
REVISED: N/A

**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.	32	11*	22,23	NU	101, 103	23	31	32	41	42	63	NU	51*	62,63	NU	102, 104	NU	NU	11*	NU	NU	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	126			117						102													A122		A115
FLASHING YELLOW ARROW																							A123		A116
GREEN ARROW	127	127		118	118	103	103							133											
PED YELLOW				**	114									**	120										
			*											*											

NU = Not Used

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

★ See pictorial of head wiring in detail below.

\*\* S3-Y and S9-Y are used for the School Flasher. See sheet 3 for wiring and programming details.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070  
CABINET.....332 W/ AUX  
SOFTWARE.....ECONOLITE OASIS  
CABINET MOUNT.....BASE  
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
LOAD SWITCHES USED.....S1,S2,S3\*,S4,S5,S7,S8,S9\*,  
AUX S1,AUX S4  
PHASES USED.....1,2,3,4,5,6  
OVERLAP "A".....1+2  
OVERLAP "B".....NOT USED  
OVERLAP "C".....5+6  
OVERLAP "D".....NOT USED  
\* S3 AND S9 USED FOR SCHOOL FLASHER

**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 Variable Initial and Gap Reduction.
4. Program phases 2 and 6 for Start Up In Green.
5. Program phases 2 and 6 for Yellow Flash, and overlap 1 as Wag Overlaps.
6. The cabinet and controller are part of the High Point Signal System.

**INPUT FILE CONNECTION & PROGRAMMING CHART**

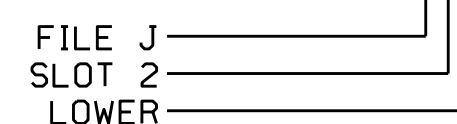
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A <sup>1</sup>	TB2-1,2	I1U	56	18	1	1	Y	Y			15
	-	J4U	48	10	26	6	Y	Y	Y		3
1B	TB2-5,6	I2U	39	1	2	1	Y	Y			15
2A,2B	TB2-9,10	I3U	63	25	32	2	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			10
5A <sup>2</sup>	TB3-1,2	J1U	55	17	5	5	Y	Y			15
	-	I4U	47	9	22	2	Y	Y	Y		3
6A,6B	TB3-5,6	J2U	40	2	6	6	Y	Y			
* S1	TB6-9,10	I9U	60	22	11	SYS					
* S2	TB6-11,12	I9L	62	24	13	SYS					

<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.

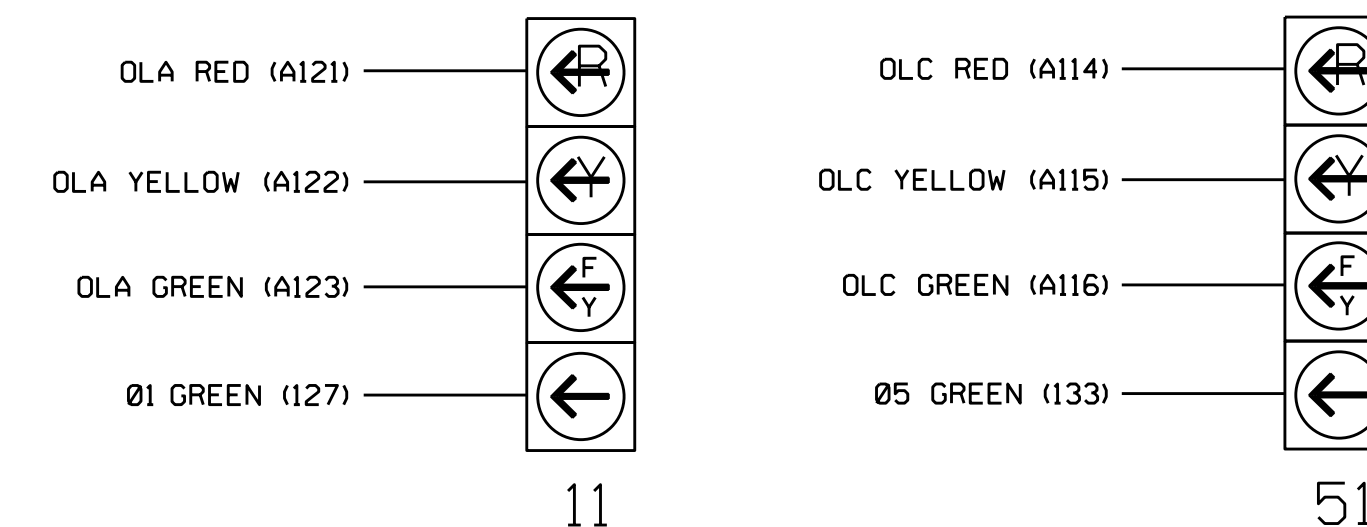
\* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

**INPUT FILE POSITION LEGEND: J2L**



**FYA SIGNAL WIRING DETAIL**

(wire signal heads as shown)



**NOTE**

The sequence display for signal heads 11 and 51 requires special logic programming. See sheet 2 for programming instructions.

Electrical Detail - Sheet 1 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	NC 68 (Eastchester Drive) at North Mall Lane and Wesleyan Education Center		SEAL 
	PLAN DATE: January 2015 PREPARED BY: S. Armstrong	REVIEWED BY: <i>[Signature]</i> REVIEWED BY:	