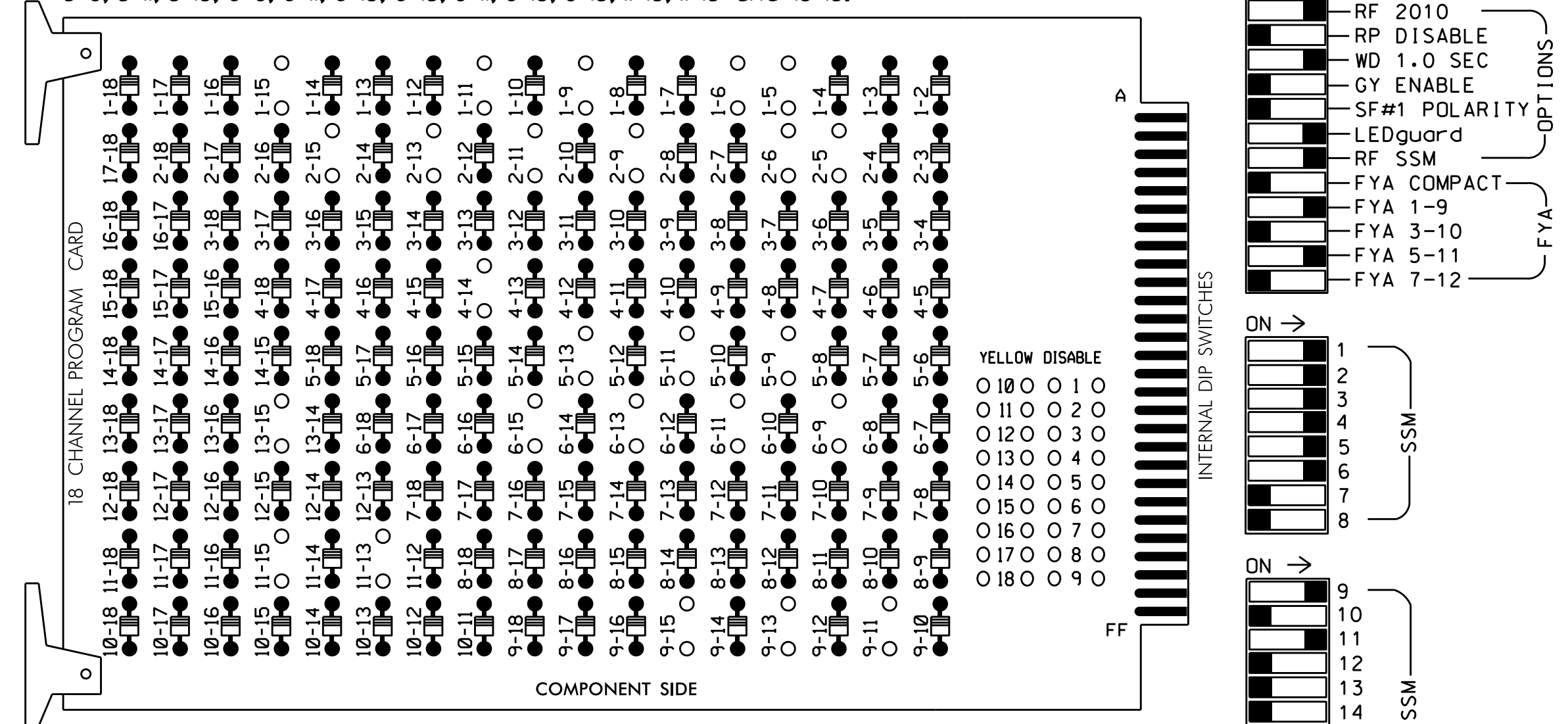


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL**  
(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-15, 2-5, 2-6, 2-9, 2-11, 2-13, 2-15, 4-14, 5-9, 5-11, 5-13, 6-9, 6-11, 6-13, 6-15, 9-11, 9-13, 9-15, 11-13, 11-15 and 13-15.



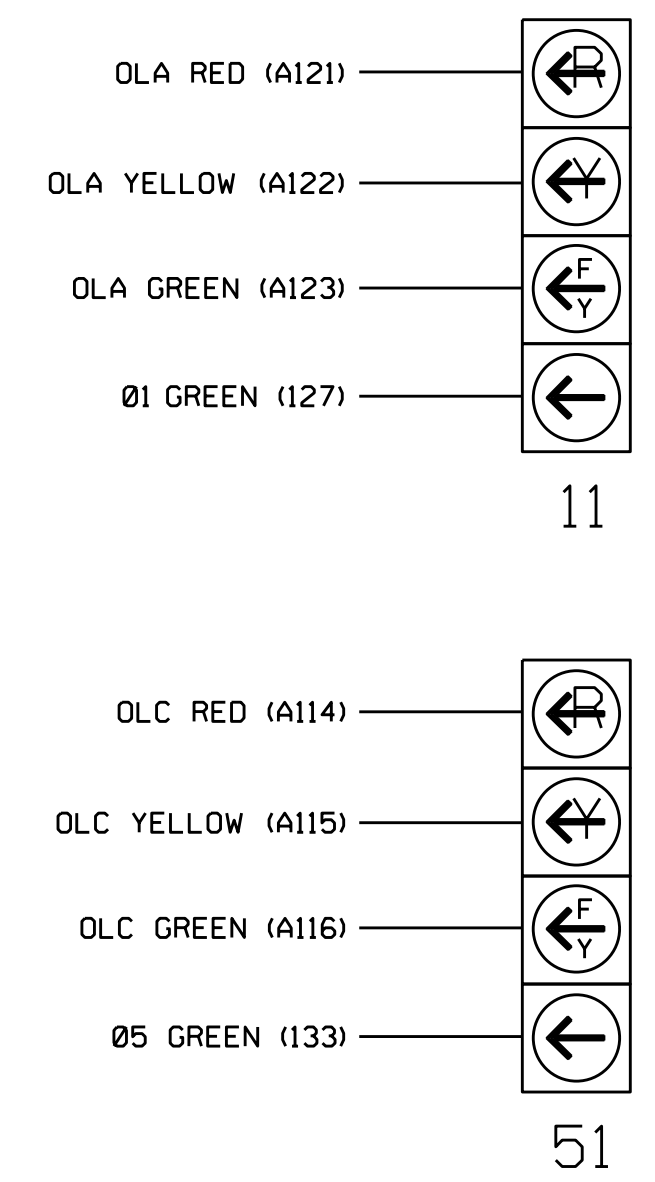
REMOVE JUMPERS AS SHOWN

**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

**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.

**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*	32	21,22	P21, P22	31	32	41	42	43	62	P41, P42	43	51*	61,62	P61, P62	NU	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								101																	
YELLOW ARROW			126					102																	
FLASHING YELLOW ARROW																									
GREEN ARROW	127	127			118	103	103		103			133	133												
Hand icon					113							104													
Person icon					115							106													

NU = Not Used  
\* Denotes install load resistor. See load resistor installation detail this sheet.  
★ See pictorial of head wiring in detail below.

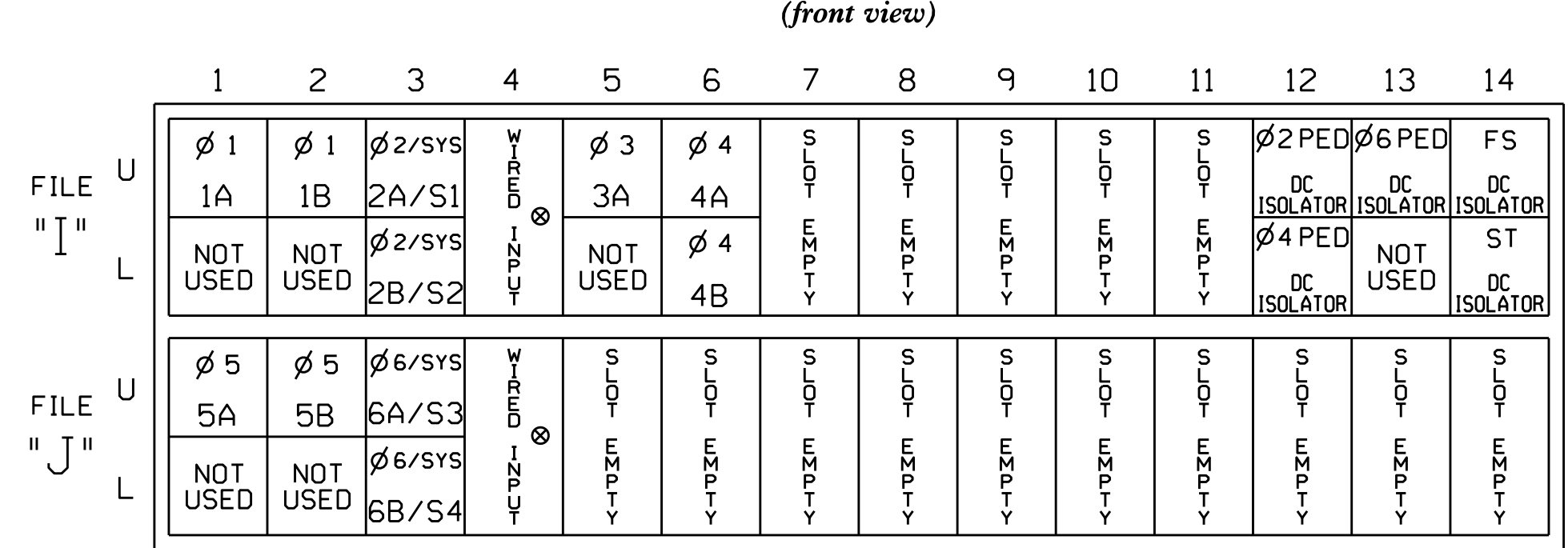
**COUNTDOWN PEDESTRIAN SIGNAL OPERATION**

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.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
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,S6,S7,S8,S9,AUX S1,AUX S4  
PHASES USED.....1,2,2 PED,3,4,4 PED,5,6,6 PED  
OVERLAP "A".....1+2  
OVERLAP "B".....NOT USED  
OVERLAP "C".....5+6  
OVERLAP "D".....NOT USED

**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

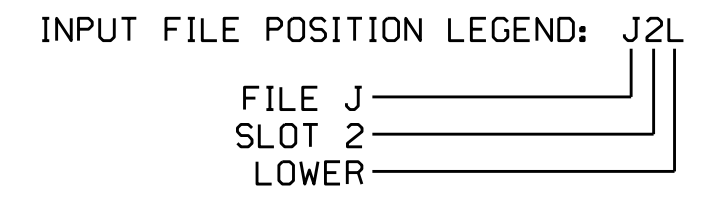
**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	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
	-	I1U	56	18★	51	1	Y	Y			3
1B	TB2-5,6	I2U	39	1	2	1	Y	Y			15
2A/S1	TB2-9,10	I3U	63	25	32	2/SYS	Y	Y			
2B/S2	TB2-11,12	I3L	76	38	42	2/SYS	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			3
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
5A <sup>2</sup>	TB3-1,2	J1U	55	17	5	5	Y	Y			15
	-	I4U	47	9★	22	2	Y	Y	Y		3
	-	J1U	55	17★	55	5	Y	Y			3
5B	TB3-5,6	J2U	40	2	6	5	Y	Y			15
6A/S3	TB3-9,10	J3U	64	26	36	6/SYS	Y	Y			
6B/S4	TB3-11,12	J3L	77	39	46	6/SYS	Y	Y			
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					

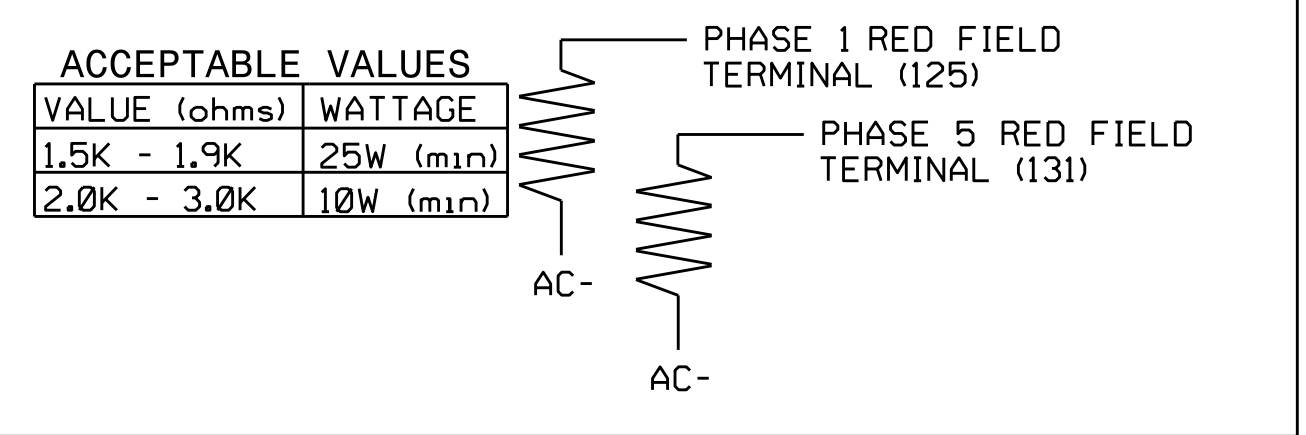
**NOTE:**  
INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

<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.

★ See Input Page Assignment programming details on sheets 3 and 4.



**LOAD RESISTOR INSTALLATION DETAIL**  
(install resistors as shown below)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-1185  
DESIGNED: November 2016  
SEALED: 11/14/2016  
REVISED:

Electrical Detail - Sheet 1 of 5

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:  
TRANSPORTATION MOBILITY AND SAFETY DIVISION  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
Signal Management Section  
750 N. Greenfield Pkwy, Garner, NC 27529

NC 280 (Airport Road) at SR 3542 (McKenna Road)/ New Site Access

Division 13 Buncombe County Asheville  
PLAN DATE: November 2016 REVIEWED BY: T. Joyce  
PREPARED BY: C. Strickland REVIEWED BY:

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 030530  
JACUARY M. LITTLE  
Asheville, NC  
11/15/2016  
DATE

SIG. INVENTORY NO. 13-1185