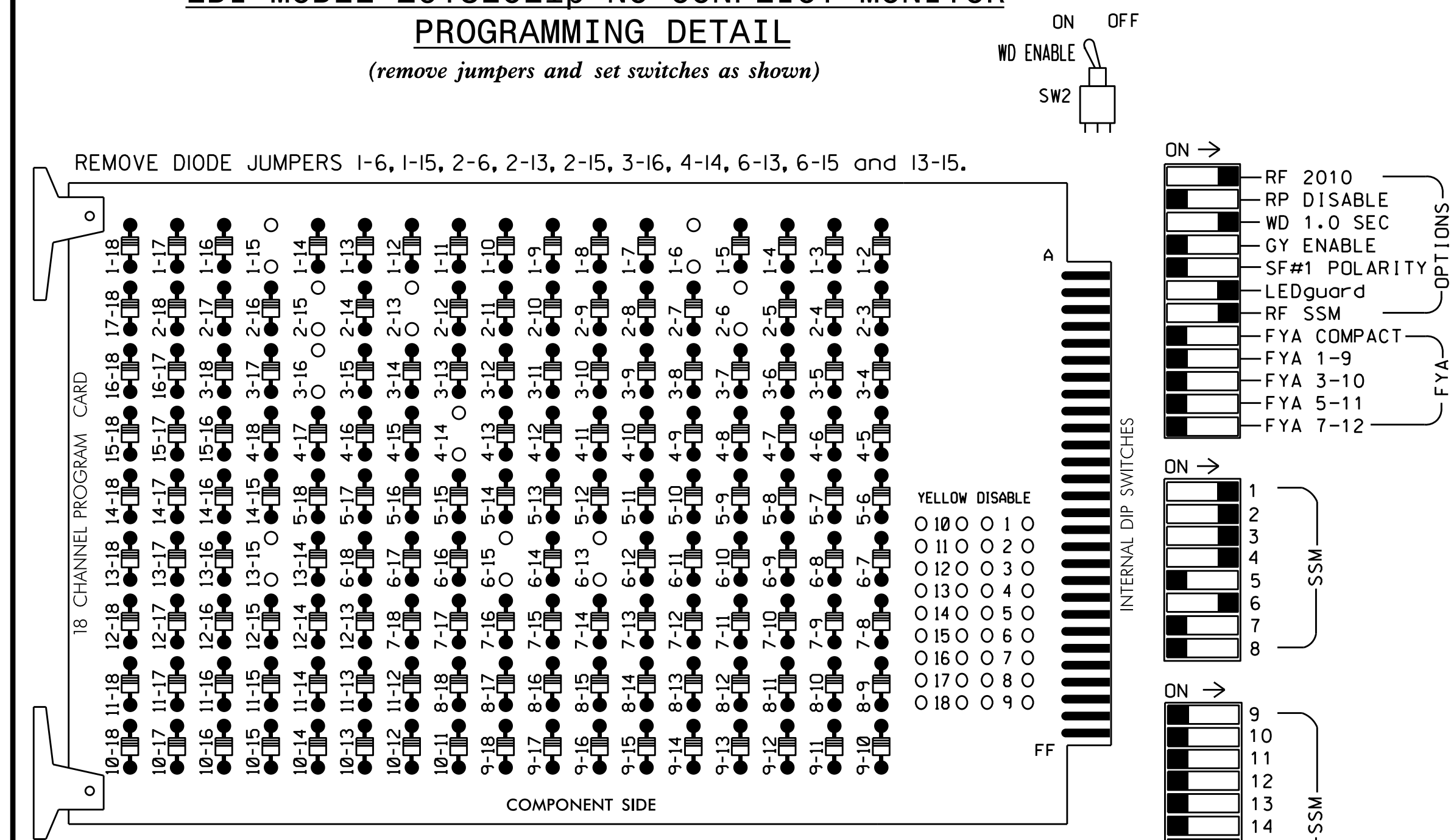


**EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(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.

■ = DENOTES POSITION OF SWITCH

**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 controller to start up in phase 2 Walk and 6 Walk.
4. 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,S3,S4,S5,S6,S8,S9,  
 S12  
 PHASES USED.....1,2,3,4,6,2 PED,3 PED,  
 4 PED,6 PED  
 OVERLAPS.....NOT USED

**SIGNAL HEAD HOOK-UP CHART**

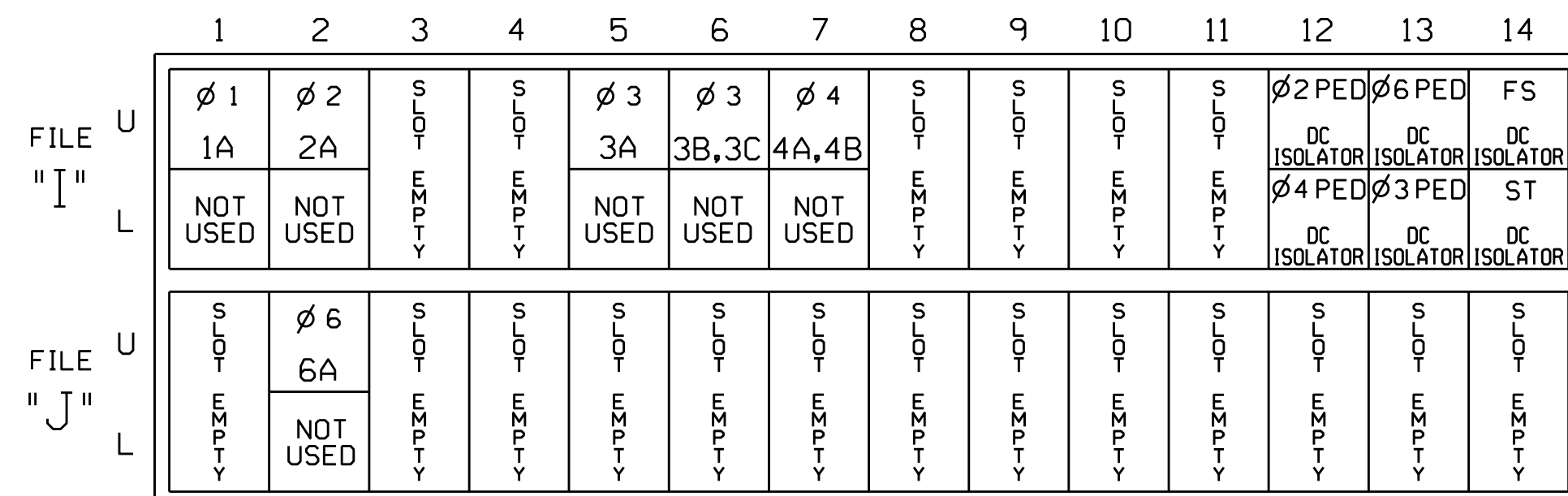
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	3 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	32,61	21,22	P21, P22	31	32	41	42	P41, P42	NU	61,62	P61, P62	NU	NU	P31, P32	NU	NU	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																		
YELLOW ARROW	126																	
GREEN ARROW	127			118		103												
Hand				113				104		119		110						
Walking				115				106		121		112						

NU = Not Used

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

**INPUT FILE POSITION LAYOUT**

(front view)



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

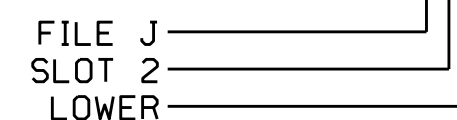
FS = FLASH SENSE  
 ST = STOP TIME

**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	TB2-1,2	I1U	56	1	1	YES		5	S
2A	TB2-5,6	I2U	39	2	2	YES			S
3A	TB4-5,6	I5U	58	3	3	YES		3	S
3B,3C	TB4-9,10	I6U	41	4	3	YES			S
4A,4B	TB6-1,2	I7U	65	34	4	YES		3	S
6A	TB3-5,6	J2U	40	6	6	YES			S
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED				
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED				
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				
P31,P32	TB8-8,9	I13L	70	PED 8	3 PED				

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

**INPUT FILE POSITION LEGEND: J2L**

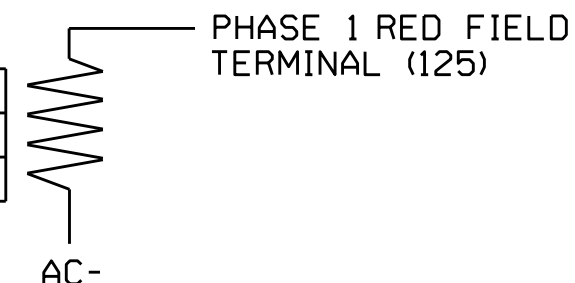


THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0234  
 DESIGNED: April 2016  
 SEALED: 10-20-16  
 REVISED: N/A

**LOAD RESISTOR INSTALLATION DETAIL**

(install resistor as shown)

ACCEPTABLE VALUES	
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.

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 210 (Murchison Rd) at Jasper St / Pennsylvania Ave  
 Division 6 Cumberland County Fayetteville  
 PLAN DATE: September 2016 REVIEWED BY: BAS  
 PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: \_\_\_\_\_ INIT. DATE \_\_\_\_\_

Sealed by: Keith M. Minus, Professional Engineer, No. 10252, State of North Carolina  
 Date: 10/25/2016  
 Sig. Inventory No. 06-0234

06-0234-2016-01.rvt  
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 J.peterson