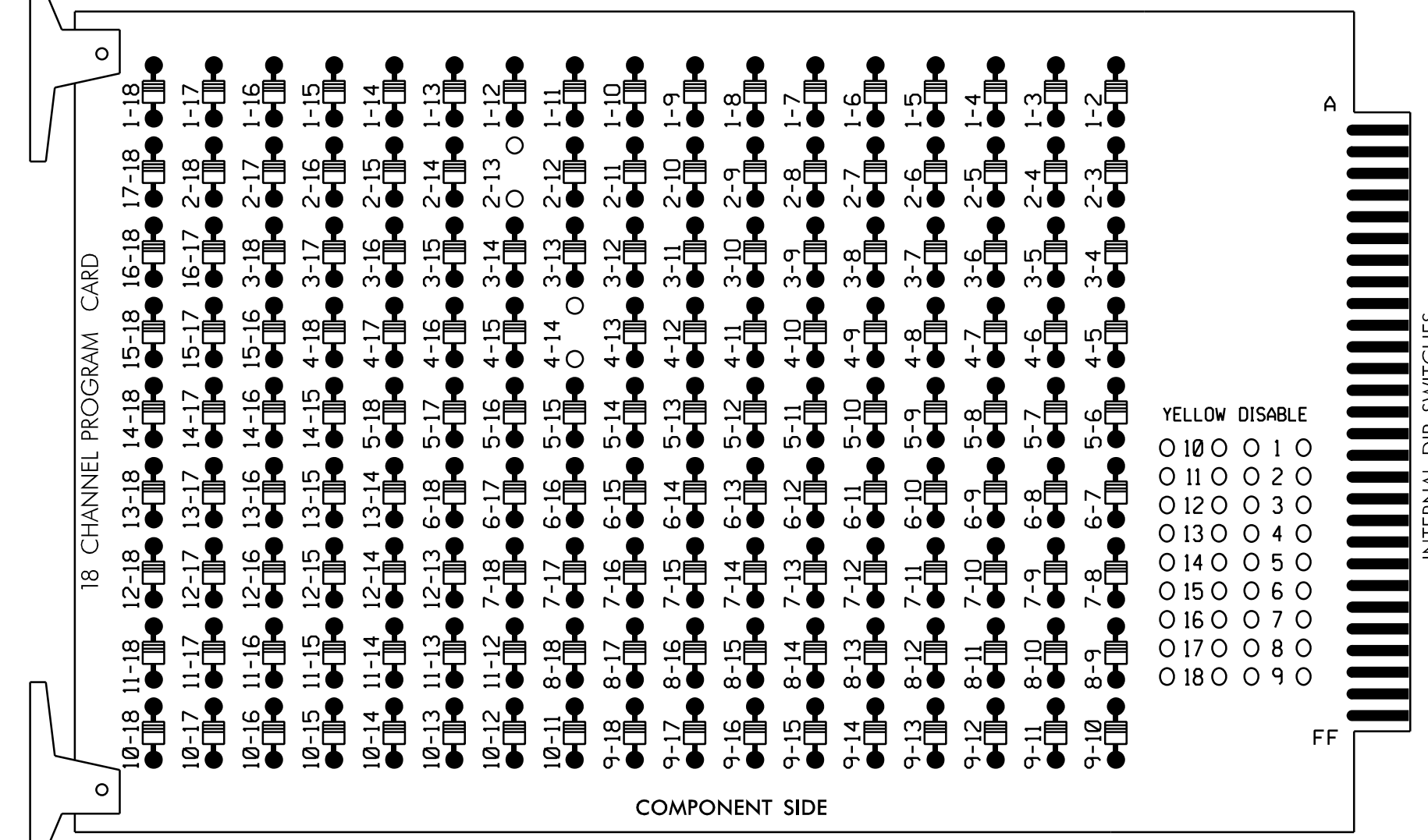


**EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

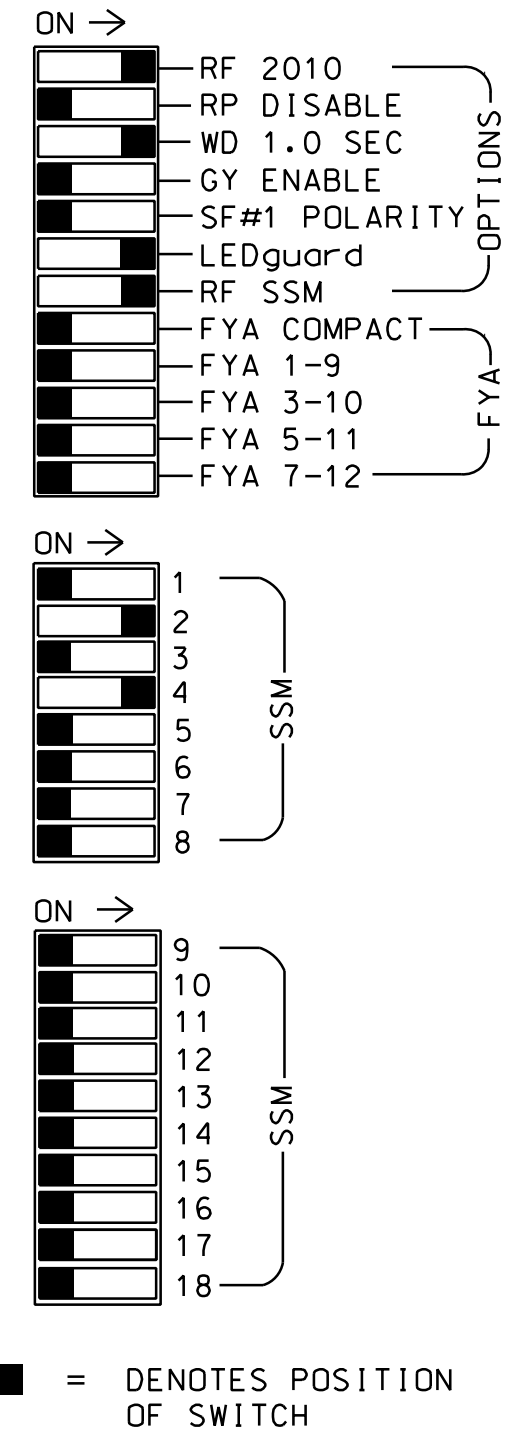
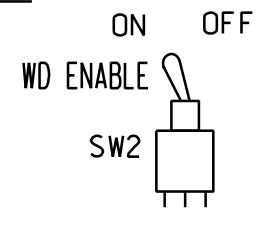
REMOVE DIODE JUMPERS 2-13 and 4-14.



REMOVE JUMPERS 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.



**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 on the controller unit, for Start Up In Green. SPECIAL PROGRAMMING IS NEEDED FOR PROPER START-UP OF PED SIGNALS. SEE SHEET 2 OF 2 OF THIS ELECTRICAL DETAIL FOR INSTRUCTIONS.
4. Program phases 2 and 4 for 'STARTUP PED CALL'.
5. Program phase 2 for Yellow Flash.
6. The cabinet and controller are part of the Asheville Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....336  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S3,S5,S6  
 PHASES USED.....2,4,2PED,4PED  
 OVERLAPS.....NONE

**SIGNAL HEAD HOOK-UP CHART**

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	P21, P22	NU	41,42	P41, P42	NU	NU	NU	NU	NU	NU
RED		128			101							
YELLOW		129			102							
GREEN		130			103							
RED ARROW												
YELLOW ARROW												
GREEN ARROW												
Hand icon			113			104						
Walking person icon			115			106						

NU = Not Used

**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.

**ADVANCED WALK PROGRAMMING NOTE**

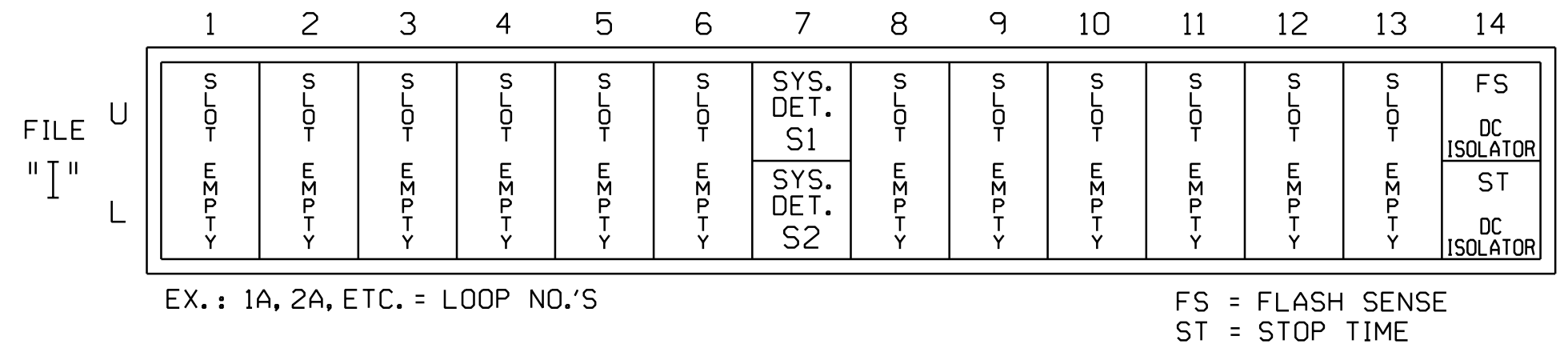
(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Program phases 2 and 4 for 'Advanced Walk'. Make sure the Walk Advance times shown on the Signal Design Plans are programmed in the the 'Phase Timing' menu.

**INPUT FILE CONNECTION & PROGRAMMING CHART**

**INPUT FILE POSITION LAYOUT**

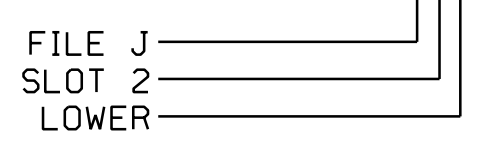
(front view)



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
* S1	TB21-13,14	17U	57	19	7	SYS					
* S2	TB23-13,14	17L	50	22	28	SYS					

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

**INPUT FILE POSITION LEGEND: J2L**



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: COA-0113  
 DESIGNED: MAY 2016  
 SEALED: 12-13-2016  
 REVISED:



ELECTRICAL DETAIL SHEET 1 OF 2

 Prepared for the Offices of: 161 S. Charlotte St. Asheville NC 28802	Patton Ave at Haywood St		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER JAMES B. VOSS 022599 12/13/2016
	Division 13 PLAN DATE: MAY 2016 PREPARED BY: BGR	Buncombe County REVIEWED BY: SMH REVIEWED BY: JBV	