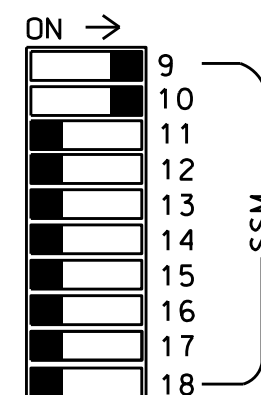
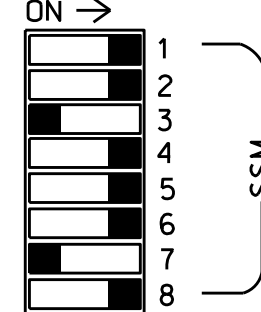
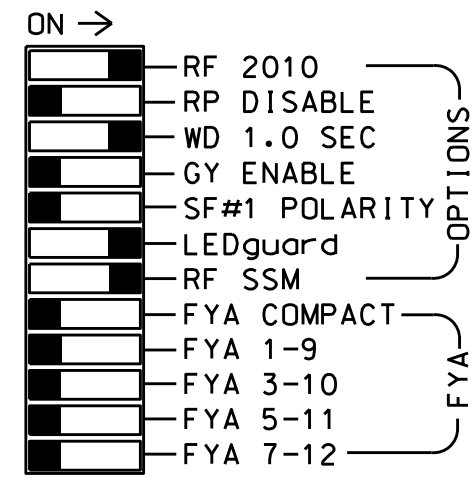
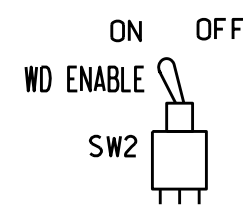
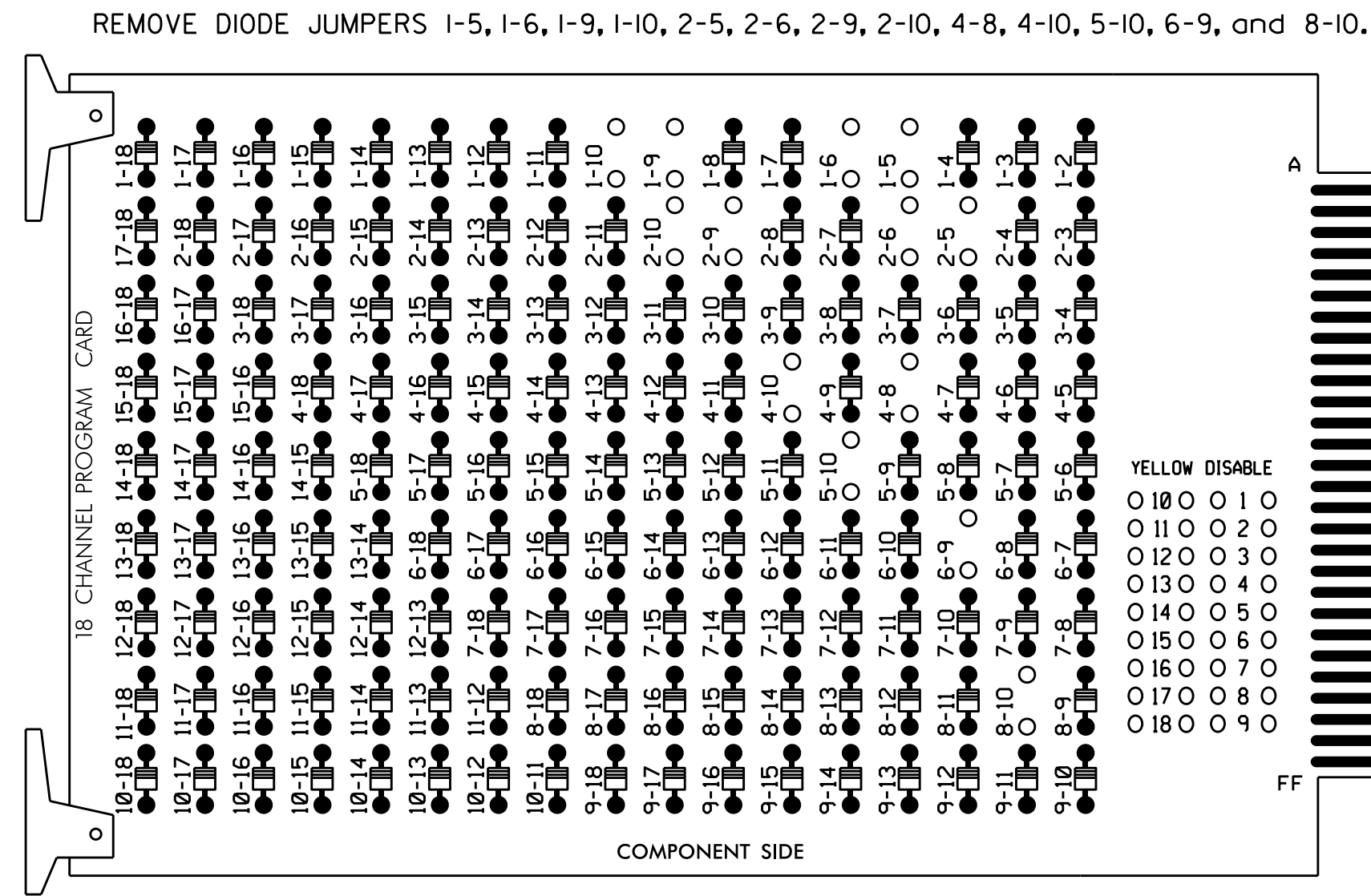


**EDI MODEL 2018EClip-NC CONFLICT MONITOR  
PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



■ = DENOTES POSITION OF SWITCH

- 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 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash, and overlaps 1 and 2 as Wag Overlaps.
- The cabinet and controller are part of the Asheville Signal System

**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,S5,S7,S8,S11,AUX S1,AUX S2  
 PHASES USED.....1,2,4,5,6,8  
 OVERLAP A.....6  
 OVERLAP B.....4+5  
 OVERLAP C.....NOT USED  
 OVERLAP D.....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	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	21,22 23	NU	NU	41,42	NU	51	64,65 66	NU	NU	81,82	NU	61,62 63	43,44	NU	NU	NU	NU
RED		128			101			134			107		A121	A124				
YELLOW		129			102			135			108		A122	A125				
GREEN		130			103			136			109		A123	A126				
RED ARROW	125							131										
YELLOW ARROW	126							132										
GREEN ARROW	127							133										

NU = Not Used

**OVERLAP PROGRAMMING DETAIL**

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN '1' (VEHICLE OVERLAP SETTINGS).

PAGE 1: VEHICLE OVERLAP 'A' SETTINGS  
 PHASE: :12345678910111213141516  
 VEH OVL PARENTS: : X  
 VEH OVL NOT VEH: :  
 VEH OVL NOT PED: :  
 VEH OVL GRN EXT: : X  
 STARTUP COLOR: - RED - YELLOW - GREEN  
 FLASH COLORS: - RED - YELLOW - GREEN  
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
 FLASH YELLOW IN CONTROLLER FLASH?...Y  
 GREEN EXTENSION (0-255 SEC)...6  
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...5.4  
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...1.0  
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

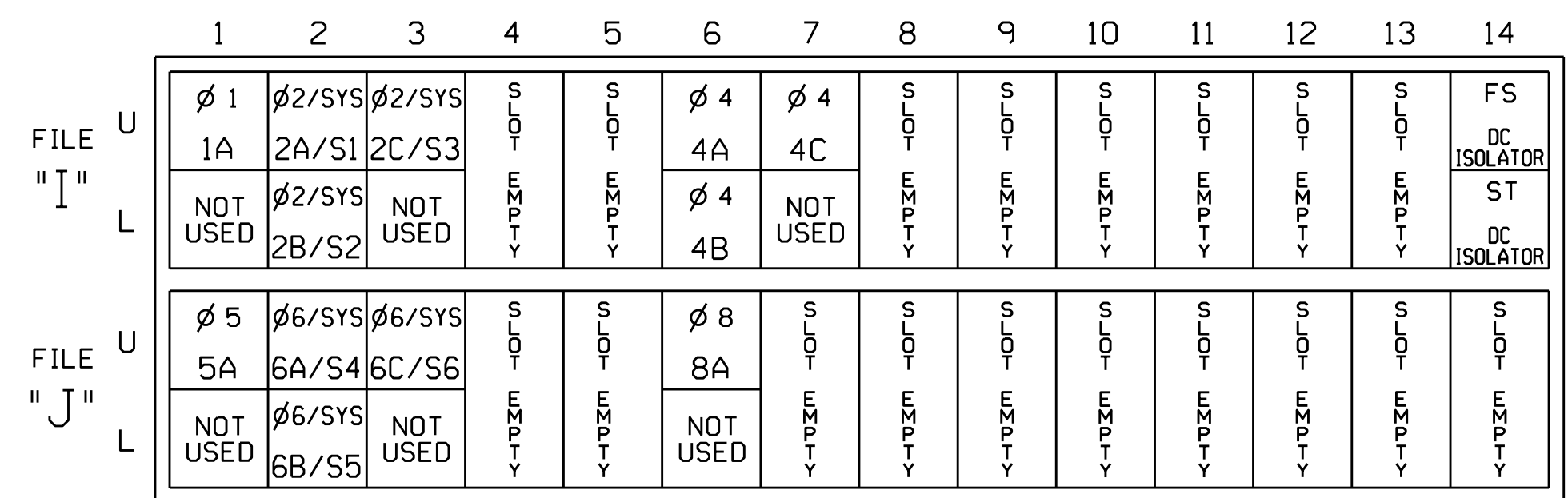
PRESS '+'

PAGE 1: VEHICLE OVERLAP 'B' SETTINGS  
 PHASE: :12345678910111213141516  
 VEH OVL PARENTS: : XX  
 VEH OVL NOT VEH: :  
 VEH OVL NOT PED: :  
 VEH OVL GRN EXT: :  
 STARTUP COLOR: - RED - YELLOW - GREEN  
 FLASH COLORS: - RED - YELLOW - GREEN  
 SELECT VEHICLE OVERLAP OPTIONS: (Y/N)  
 FLASH YELLOW IN CONTROLLER FLASH?...N  
 GREEN EXTENSION (0-255 SEC)...0  
 YELLOW CLEAR (0=PARENT,3-25.5 SEC)...0.0  
 RED CLEAR (0=PARENT,0.1-25.5 SEC)...0.0  
 OUTPUT AS PHASE # (0=NONE, 1-16)...0

OVERLAP PROGRAMMING COMPLETE

**INPUT FILE POSITION LAYOUT**

(front view)



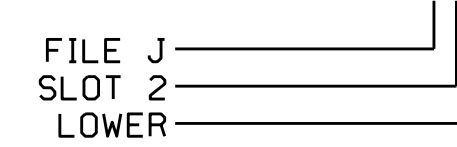
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB2-1,2	11U	56	18	1	1	Y	Y			
2A/S1	TB2-5,6	12U	39	1	2	2/SYS	Y	Y			
2B/S2	TB2-7,8	12L	43	5	12	2/SYS	Y	Y			
2C/S3	TB2-9,10	13U	63	25	32	2/SYS	Y	Y			
4A	TB4-9,10	16U	41	3	4	4	Y	Y			3
4B	TB4-11,12	16L	45	7	14	4	Y	Y			
4C	TB6-1,2	17U	65	27	34	4	Y	Y			
5A	TB3-1,2	11U	55	17	5	5	Y	Y			
6A/S4	TB3-5,6	12U	40	2	6	6/SYS	Y	Y			
6B/S5	TB3-7,8	12L	44	6	16	6/SYS	Y	Y			
6C/S6	TB3-9,10	13U	64	26	36	6/SYS	Y	Y			
8A	TB5-9,10	16U	42	4	8	8	Y	Y			5

INPUT FILE POSITION LEGEND: J2L



**Electrical Detail**

Electrical and Programming Details For:  
 Prepared In the Offices of:  
  
 750 N. Greenfield Pkwy, Garner, NC 27529

US 19-23-74 (Patton Avenue)  
 at I-240 Ramp  
 and Regent Park Blvd./  
 Shopping Center Entrance

Division 13	Buncombe County	Asheville
PLAN DATE: October 2016	REVIEWED BY: BAS	
PREPARED BY: S. Armstrong	REVIEWED BY:	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
  
 Keith M. Mins  
 10/31/2016  
 DATE  
 SIG. INVENTORY NO. 13-0920

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0920  
 DESIGNED: May 2016  
 SEALED: 10/20/2016  
 REVISED: N/A

24-001-2016-01.rdp  
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