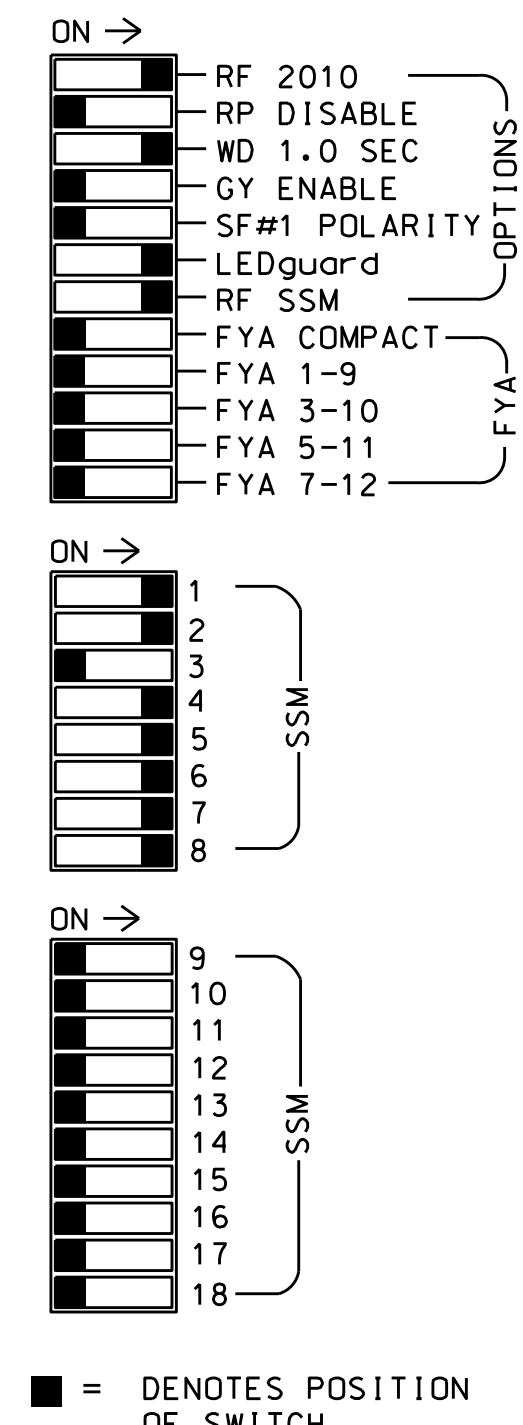
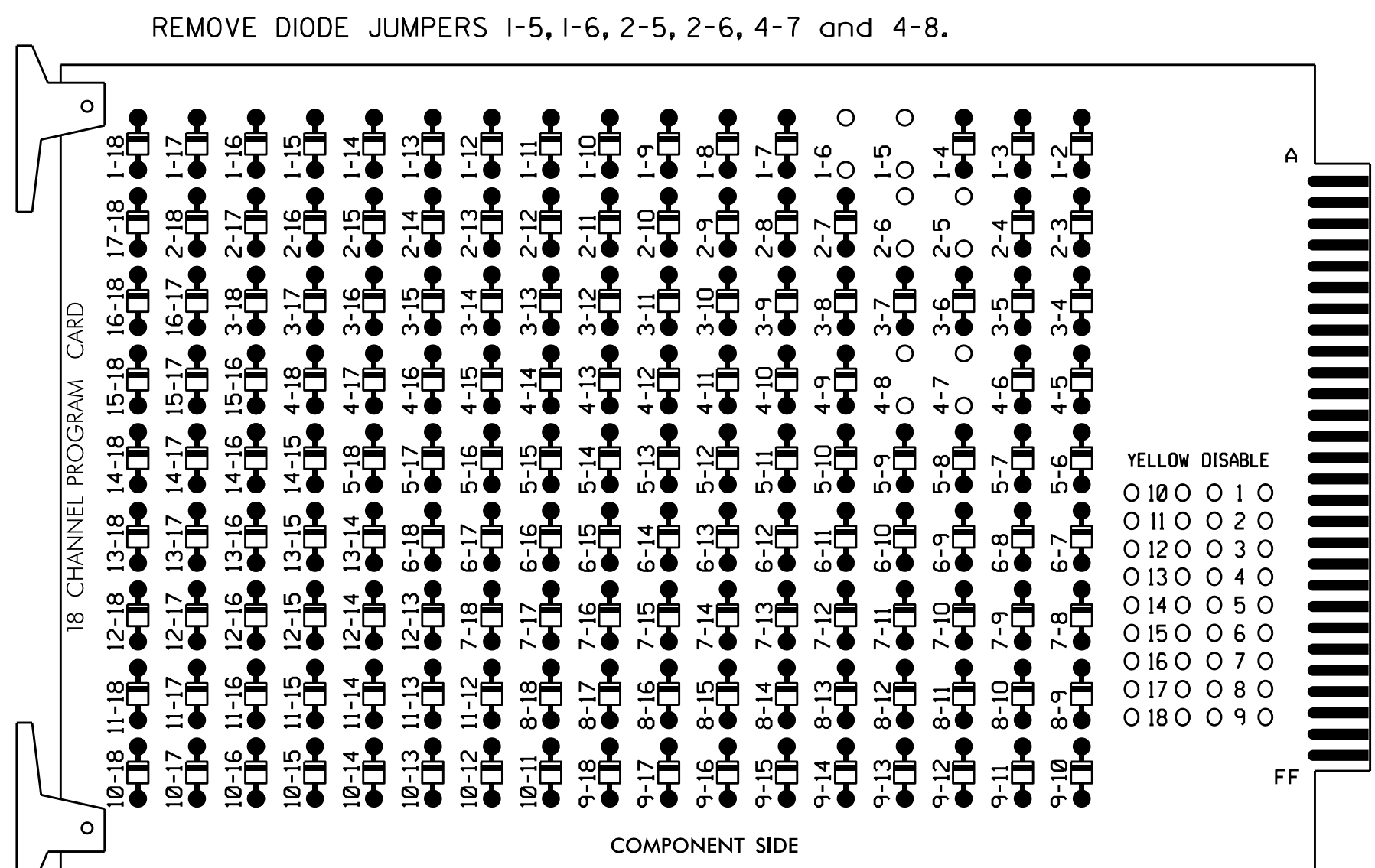


**EDI MODEL 2018ECL-NC CONFLICT MONITOR**

**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. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

**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. Program phases 4 and 8 for Dual Entry.
3. Enable Simultaneous Gap-Out for all Phases.
4. Program phases 2 and 6 for Variable Initial and Gap Reduction.
5. Program phases 2 and 6 for Startup In Green.
6. Program phases 2 and 6 for Yellow Flash.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070  
 CABINET.....336  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....POLE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,\*S3,S5,\*S6,S7.  
 S8,\*S9,S11,\*S12  
 PHASES USED.....1,2,4,5,6,7,8  
 OVERLAPS.....NONE  
 \*Used for advance beacons.

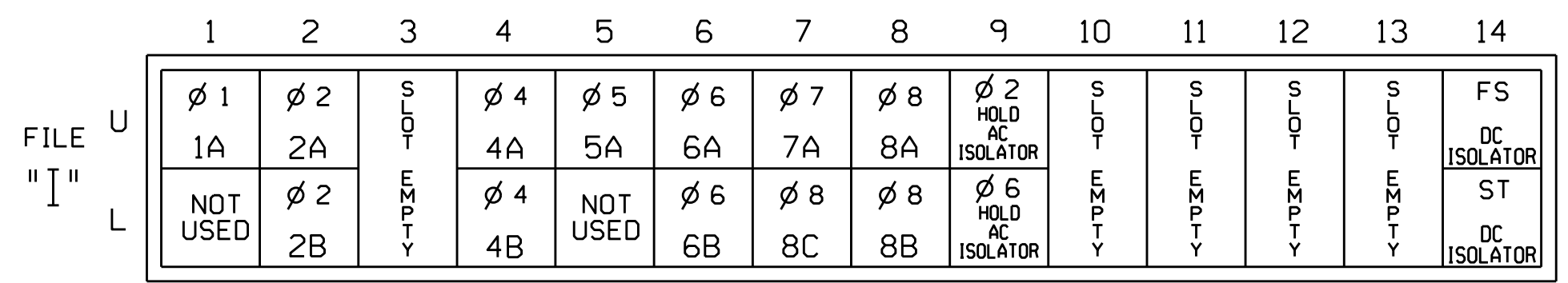
**SIGNAL HEAD HOOK-UP CHART**

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 ADVANCE BEACON	3	4	4 PED ADVANCE BEACON	5	6	6 PED ADVANCE BEACON	7	8	8 PED ADVANCE BEACON
SIGNAL HEAD NO.	11	21,22	NU	23,25	NU	41,42 43	NU	24,26	51	61,62	NU	63,65
RED		128				101			134		*	107
YELLOW		129				102			135			108
GREEN		130				103			136			109
RED ARROW	125							131				
YELLOW ARROW	126							132			132	
GREEN ARROW	127							133			133	
PED YELLOW						** 114		** 105		** 120		** 111

NU = Not Used  
 \* Denotes install load resistor. See load resistor installation detail this sheet.  
 \*\* A Special Advanced Beacon is wired to S3-Y,S6-Y, S9-Y and S12-Y. See wiring and programming detail on Sheet 5 of this electrical detail.

**INPUT FILE POSITION LAYOUT**

(front view)



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

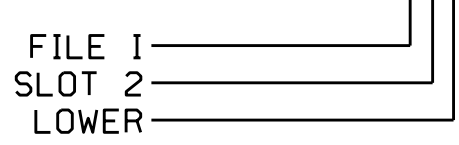
FS = FLASH SENSE  
 ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

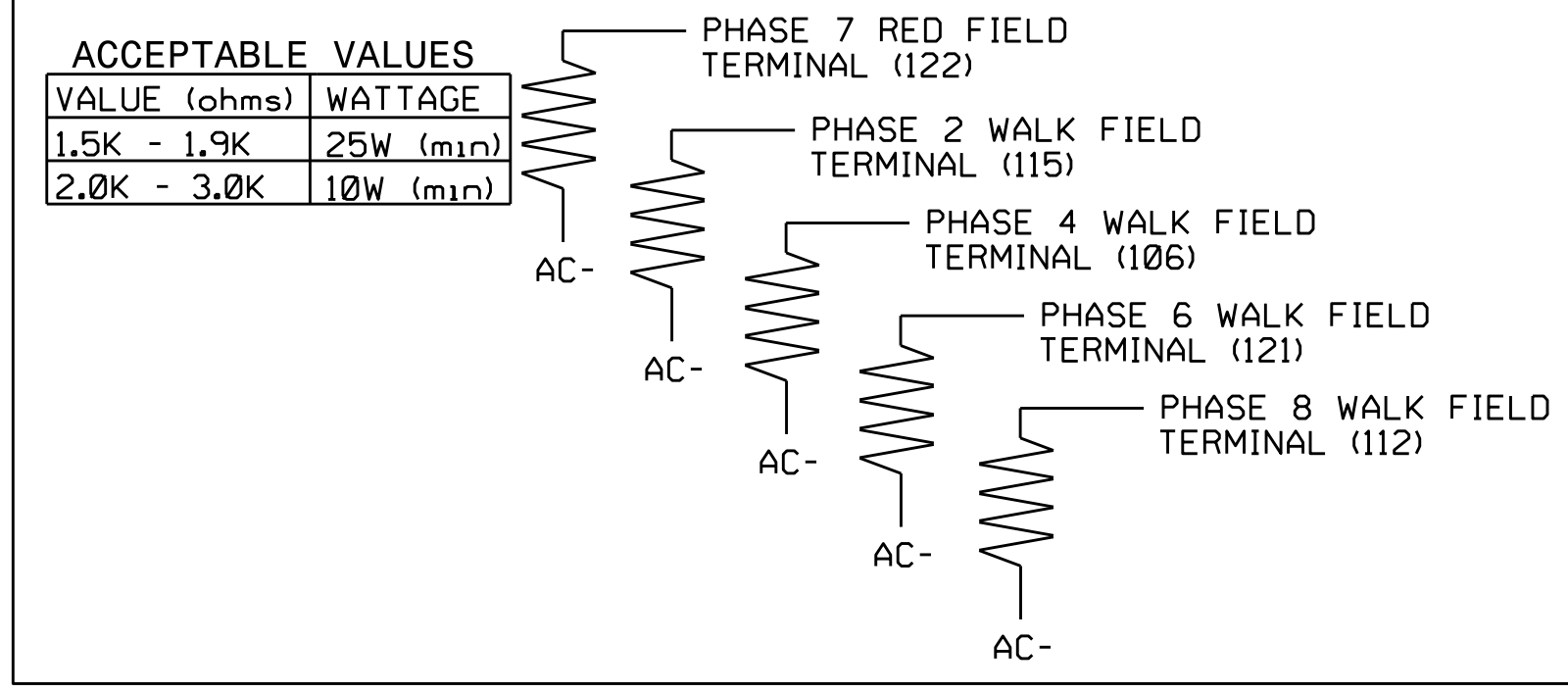
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB21-1,2	I1U	56	18	1	1	Y	Y			
2A	TB21-3,4	I2U	39	1	2	2	Y	Y			
2B	TB23-3,4	I2L	43	5	12	2	Y	Y			
4A	TB21-7,8	I4U	41	3	4	4	Y	Y			
4B	TB23-7,8	I4L	45	7	14	4	Y	Y			15
5A	TB21-9,10	I5U	55	17	5	5	Y	Y			
6A	TB21-11,12	I6U	40	2	6	6	Y	Y			
6B	TB23-11,12	I6L	44	6	16	6	Y	Y			
7A <sup>1</sup>	TB21-13,14	I7U	57	19	7	7	Y	Y			15
8C	TB23-13,14	I7L	50	12	28	8	Y	Y			15
8A	TB22-1,2	I8U	42	4	8	8	Y	Y			
8B	TB24-1,2	I8L	46	8	18	8	Y	Y			3

<sup>1</sup>Add jumper from I7-F to I7-SP, on rear of input file.

**INPUT FILE POSITION LEGEND: I2L**



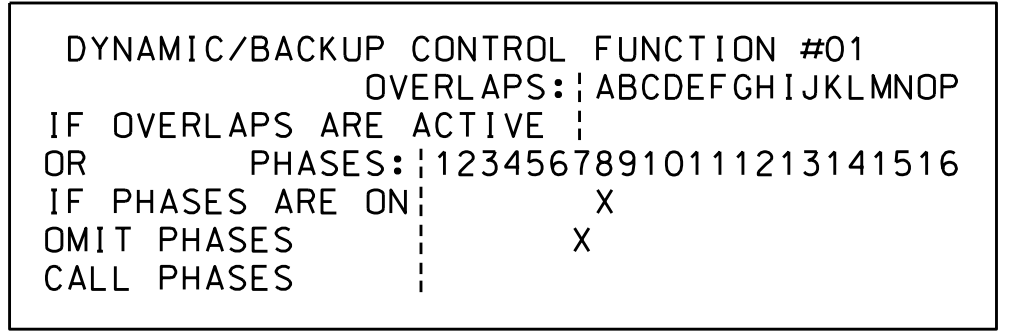
**LOAD RESISTOR INSTALLATION DETAIL**



**DYNAMIC BACK-UP CONTROL PROGRAMMING**

(program controller as shown below)

1. From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Scroll to the bottom of the menu and enable Dynamic/Backup Control Function 1.
2. From Phase Control Functions Menu press '2' (Dynamic/Backup Control Functions).



BACKUP PROTECTION PROGRAMMING COMPLETE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-1029T  
 DESIGNED: June 2019  
 SEALED: 6-19-19  
 REVISED: N/A

Electrical Detail - Temp. - Phase 2 - Sheet 1 of 5

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

US 70 at SR 1913 (Wilson's Mills Road)

Division 4 Johnston County W. of Selma

PLAN DATE: June 2019 REVIEWED BY:

PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

Prepared In the Offices of:

TRANSPORTATION MOBILITY AND SAFETY DIVISION

SEAL

RYAN W. HOUGH

6/20/2019

SIG. INVENTORY NO. 04-1029T