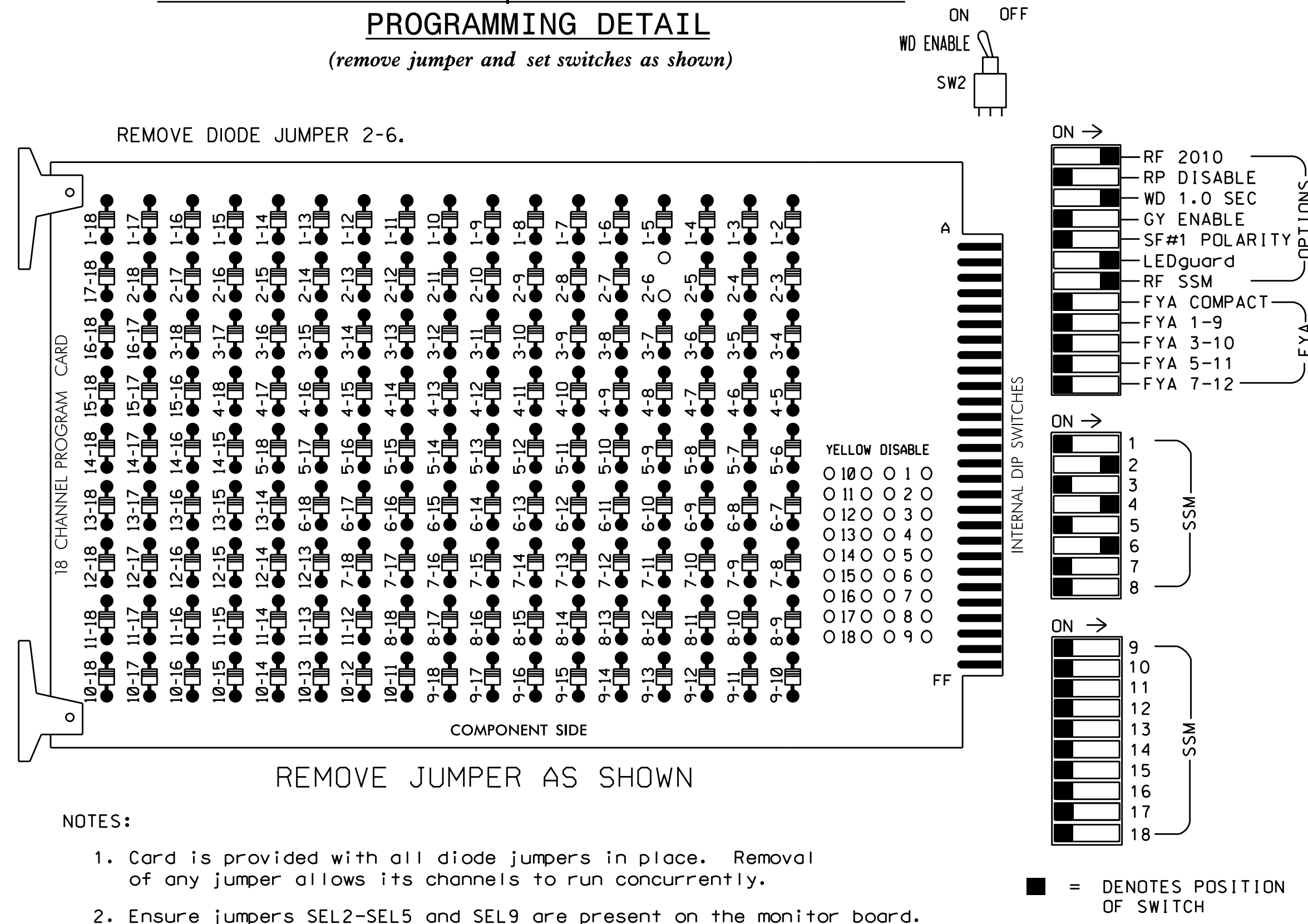


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR**  
**PROGRAMMING DETAIL**  
*(remove jumper and set switches as shown)*



- 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.

**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.
- 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.
- The cabinet and controller are part of the Asheville Signal System.

**EQUIPMENT INFORMATION**

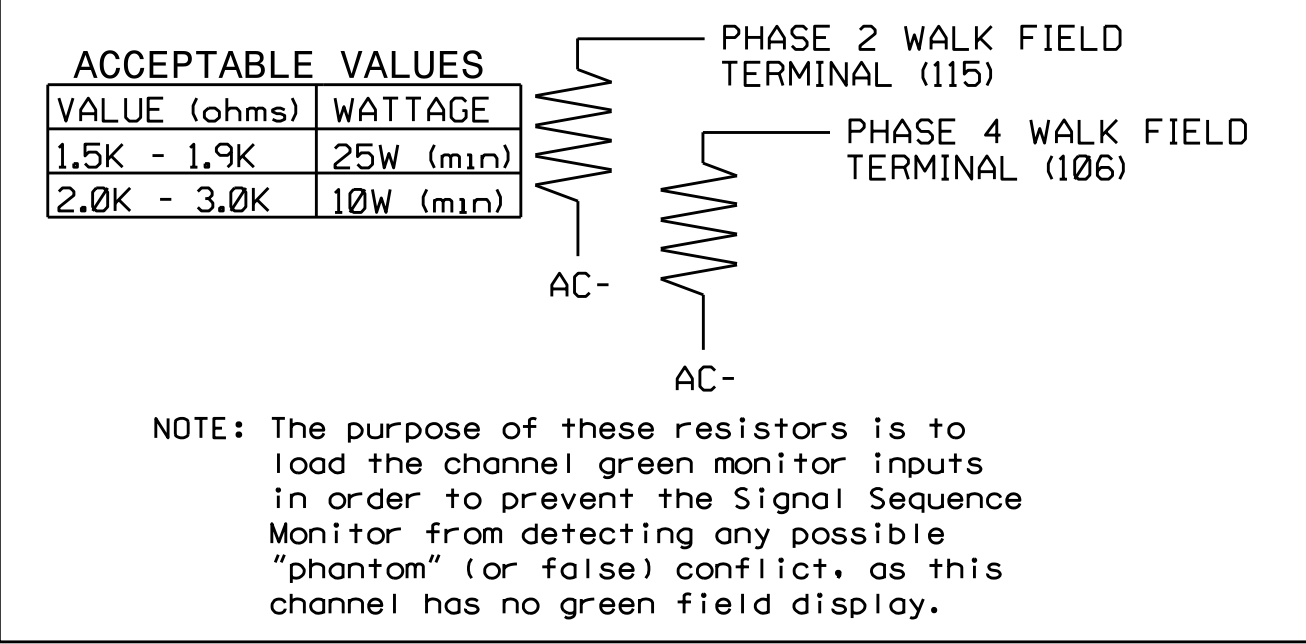
CONTROLLER.....2070E  
 CABINET.....336  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....POLE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,\*S3,S5,\*S6,S8  
 PHASES USED.....2,4,6  
 OVERLAPS.....NONE  
 \*USED FOR ADVANCE BEACON CONTROL ONLY.

**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	**	NU	41,42	**	NU	61,62	NU	NU	NU	NU
RED		128			101			134				
YELLOW		129			102			135				
GREEN		130			103			136				
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

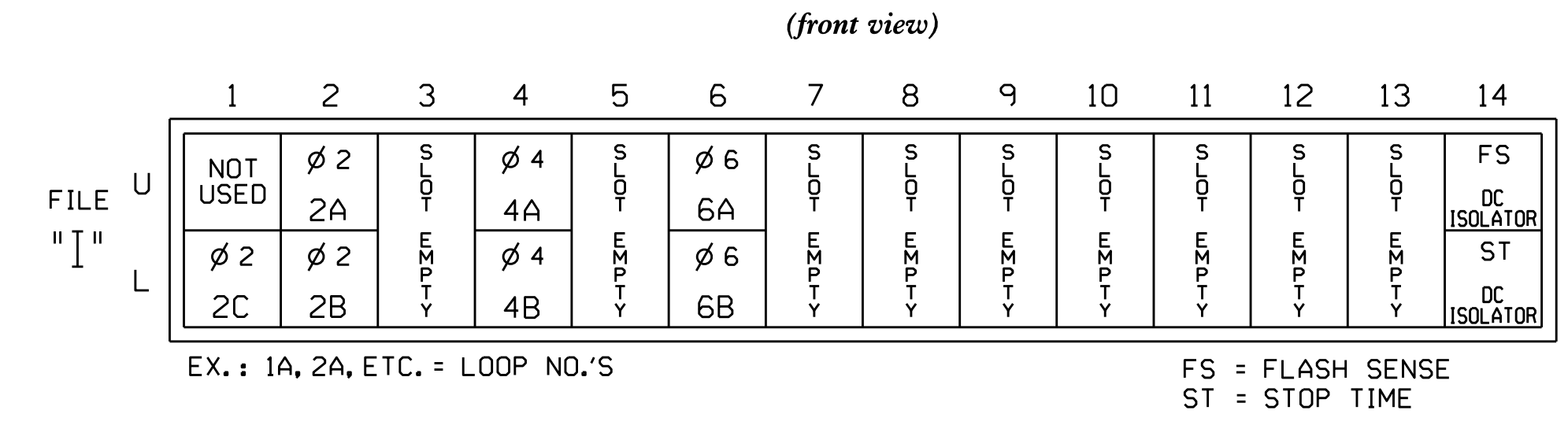
NU = Not Used  
 \*\* Special advance beacon will be wired to S3-Y (2 PED YELLOW) and S6-Y (4 PED YELLOW). See wiring and programming detail on sheet 2 of 2 of this electrical detail.

ACCEPTABLE VALUES	
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



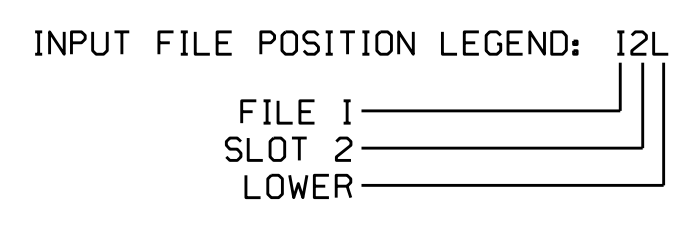
NOTE: The purpose of these resistors is to load the channel green monitor inputs in order to prevent the Signal Sequence Monitor from detecting any possible "phantom" (or false) conflict, as this channel has no green field display.

**INPUT FILE POSITION LAYOUT**



**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
2C	TB23-1,2	11L	47	9	22	2	Y	Y	Y		3
2A	TB21-3,4	12U	39	1	2	2	Y	Y			
2B	TB23-3,4	12L	43	5	12	2	Y	Y			
4A	TB21-7,8	14U	41	3	4	4	Y	Y			3
4B	TB23-7,8	14L	45	7	14	4	Y	Y			
6A	TB21-11,12	16U	40	2	6	6	Y	Y			
6B	TB23-11,12	16L	44	6	16	6	Y	Y			



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0059  
 DESIGNED: January 2016  
 SEALED: 12-16-16  
 REVISED: N/A

Prepared In the Offices of:  
  
 750 N. Greenfield Pkwy, Garner, NC 27529

US 25 (Hendersonville Road) at Linamar North Carolina Ent.

Division 13 Buncombe County Skyland

PLAN DATE: December 2016 REVIEWED BY: DTJ  
 PREPARED BY: James Peterson REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: Keith M. Mins 12/19/2016  
 SEAL 036880  
 KEITH M. MINS ENGINEER  
 SIG. INVENTORY NO. 13-0059

13-0059-2016-10-157  
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 J.peterson