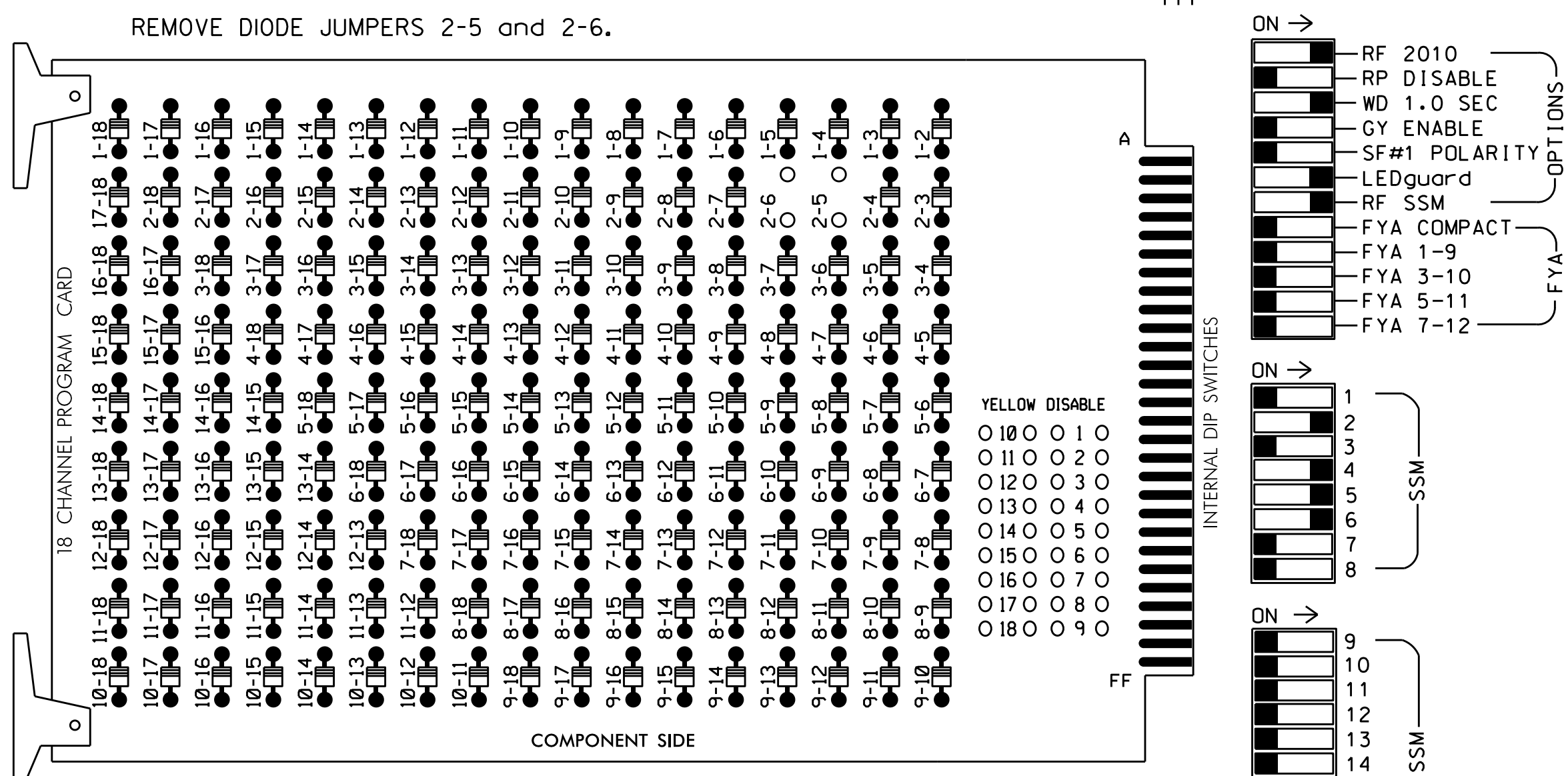


**EDI MODEL 2018EClip-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

(remove jumpers 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 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,S5,S7,S8
PHASES USED.....2,4,5,6
OVERLAPS.....NONE

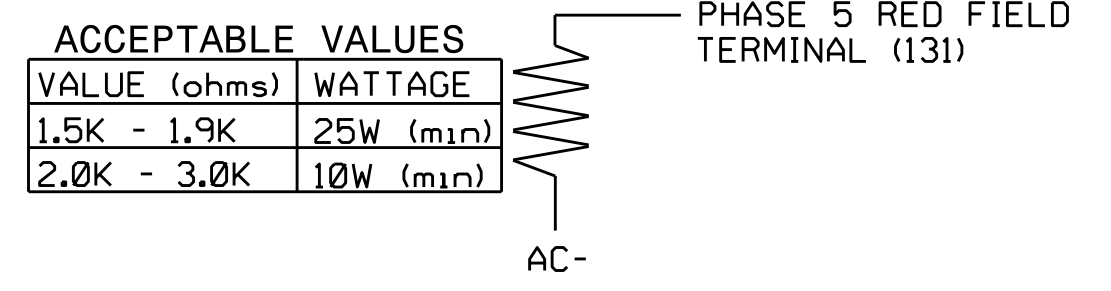
SIGNAL HEAD HOOK-UP CHART

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	NU	NU	41,42	NU	21,42	61,62	NU	NU	NU	NU
RED		128			101		* 134					
YELLOW		129			102		135					
GREEN		130			103		136					
RED ARROW												
YELLOW ARROW							132					
GREEN ARROW							133					

NU = Not Used
* Denotes install load resistor. See load resistor installation detail this sheet.

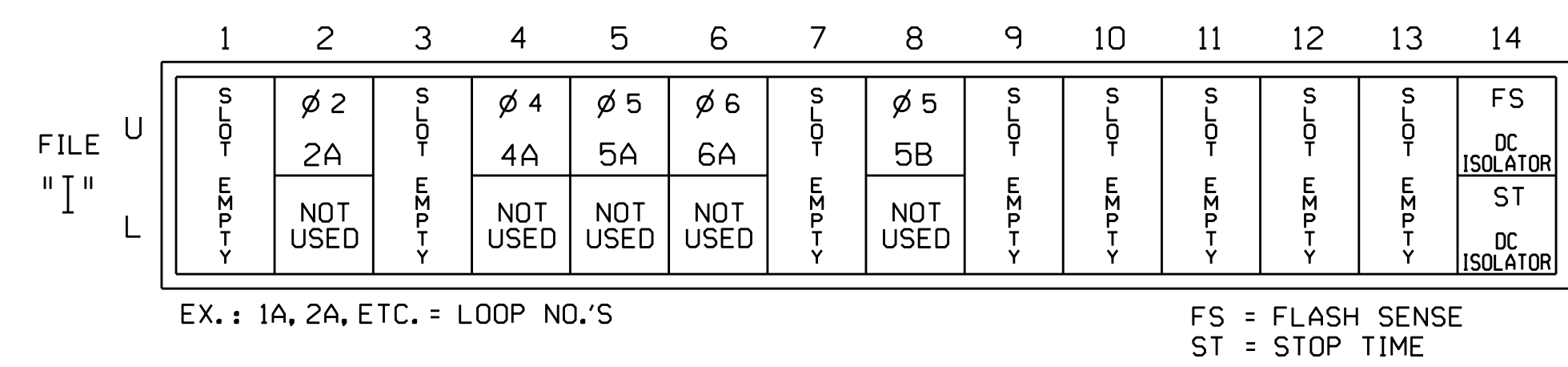
LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown below)



INPUT FILE POSITION LAYOUT

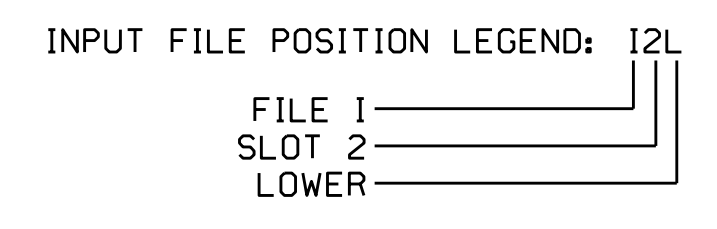
(front view)



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
2A	TB21-3,4	I2U	39	1	2	2	Y	Y			
4A	TB21-7,8	I4U	41	3	4	4	Y	Y			3
5A ¹	TB21-9,10	I5U	55	17	5	5	Y	Y			15
	-	-	63	25	32	2	Y	Y	Y		3
5B ²	TB22-1,2	I8U	42	4	8	5	Y	Y			15
	-	-	66	28	38	4	Y	Y			10
6A	TB21-11,12	I6U	40	2	6	6	Y	Y			

- Add jumper from I5-F to I5-SP, on rear of input file.
- Add jumper from I8-F to I8-SP, on rear of input file.



BACKUP PROTECTION NOTE

(program controller as shown below)

From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Program phase 2 for 'Backup Protect'. Make sure the Red Revert times shown on the Signal Design Plans are programmed in the 'Phase Timing' menu.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-1003
DESIGNED: July 2016
SEALED: 8/30/2016
REVISED:

Electrical Detail

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:
TRANSPORTATION MOBILITY AND SAFETY CONSULTANTS
SIGNAL MANAGEMENT SYSTEMS

750 N. Greenfield Pkwy, Garner, NC 27529

SR 1315 (Old County Home Road) at SR 1368 (Lee's Creek Road)

Division 13 Buncombe County N. of Asheville
PLAN DATE: August 2016 REVIEWED BY: T. Joyce
PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: *Carlynn M. Little* 9/1/2016
021EFD04F3341F DATE

SIG. INVENTORY NO. 13-1003

01-SEP-2016 08:51
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