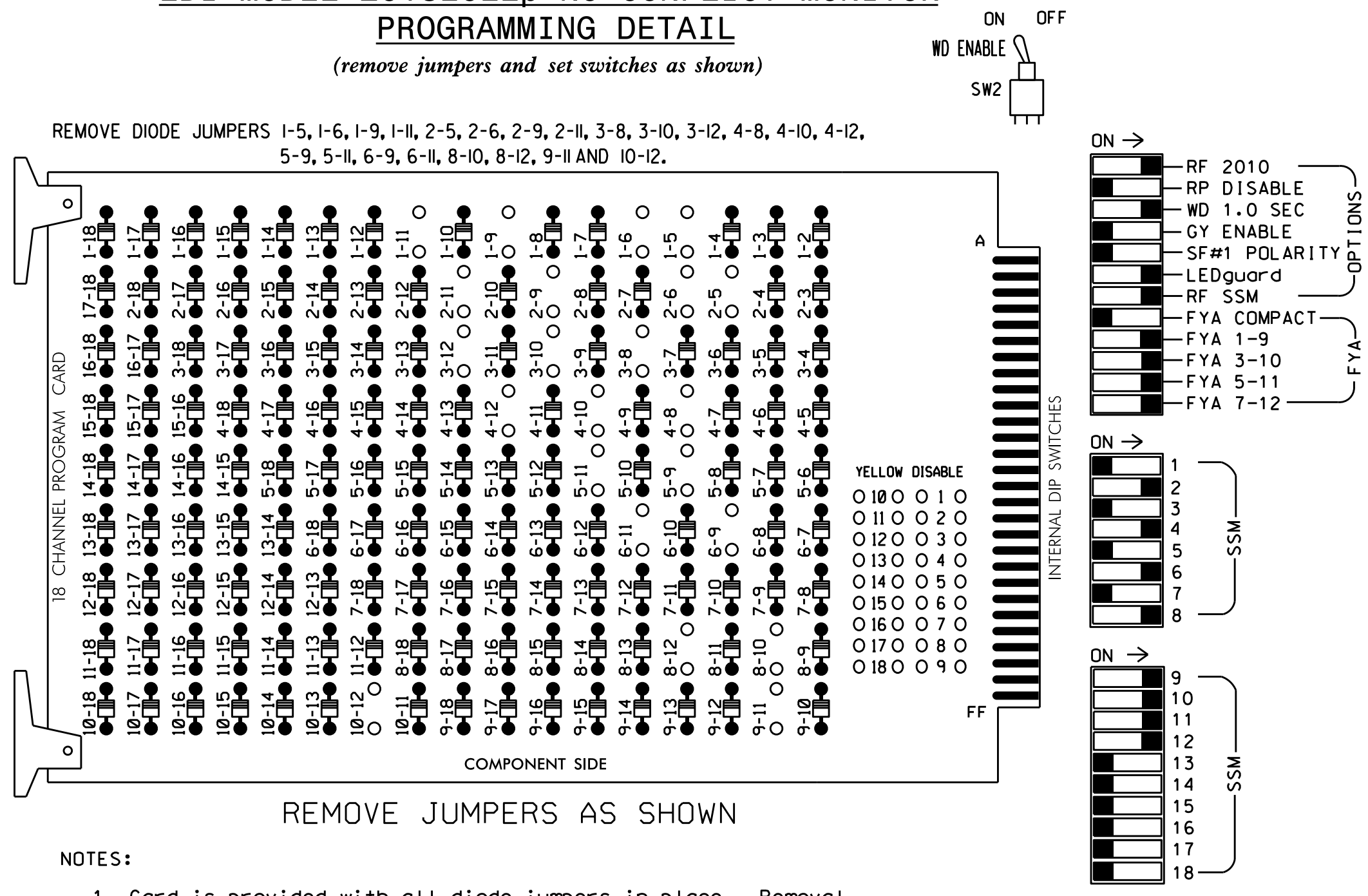


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR**  
**PROGRAMMING DETAIL**  
*(remove jumpers and set switches as shown)*



- 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.
  - 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 High Point Signal System.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070L  
 CABINET.....332 /W/ AUX  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,S11,AUX S1,  
 AUX S2,AUX S4,AUX S5.

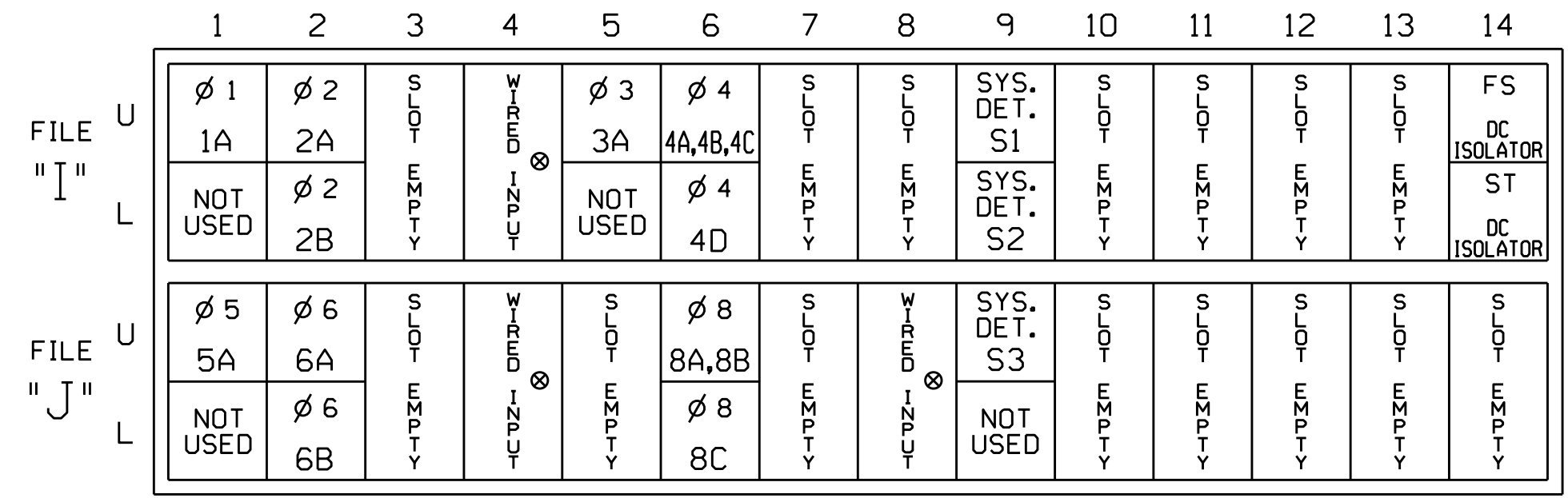
PHASES USED.....1,2,3,4,5,6,8.  
 OVERLAP "A".....1+2  
 OVERLAP "B".....3+4  
 OVERLAP "C".....5+6  
 OVERLAP "D".....8

**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
CHU 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	31	42,43	NU	51	61,62	NU	NU	82,83	NU	11	31	NU	51	41	NU
RED		128			101			134			107							
YELLOW	*	129		*	102		*	135			108							
GREEN		130			103			136			109							
RED ARROW													A121	A124		A114	A101	
YELLOW ARROW													A122	A125		A115	A102	
FLASHING YELLOW ARROW													A123	A126		A116	A103	
GREEN ARROW	127				118			133										

NU = Not Used  
 \* Denotes install load resistor. See load resistor installation detail this sheet.  
 \* See pictorial of head wiring in detail below.

**INPUT FILE POSITION LAYOUT**  
*(front view)*

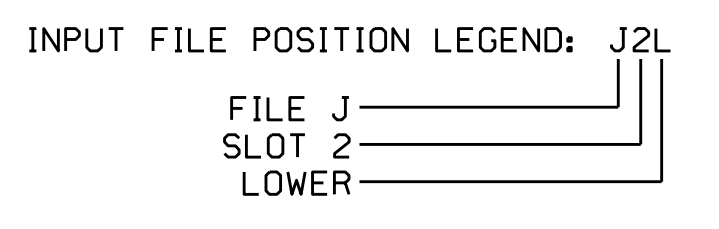


EX.: 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME  
 ⊗ Wired Input - Do not populate slot with detector card

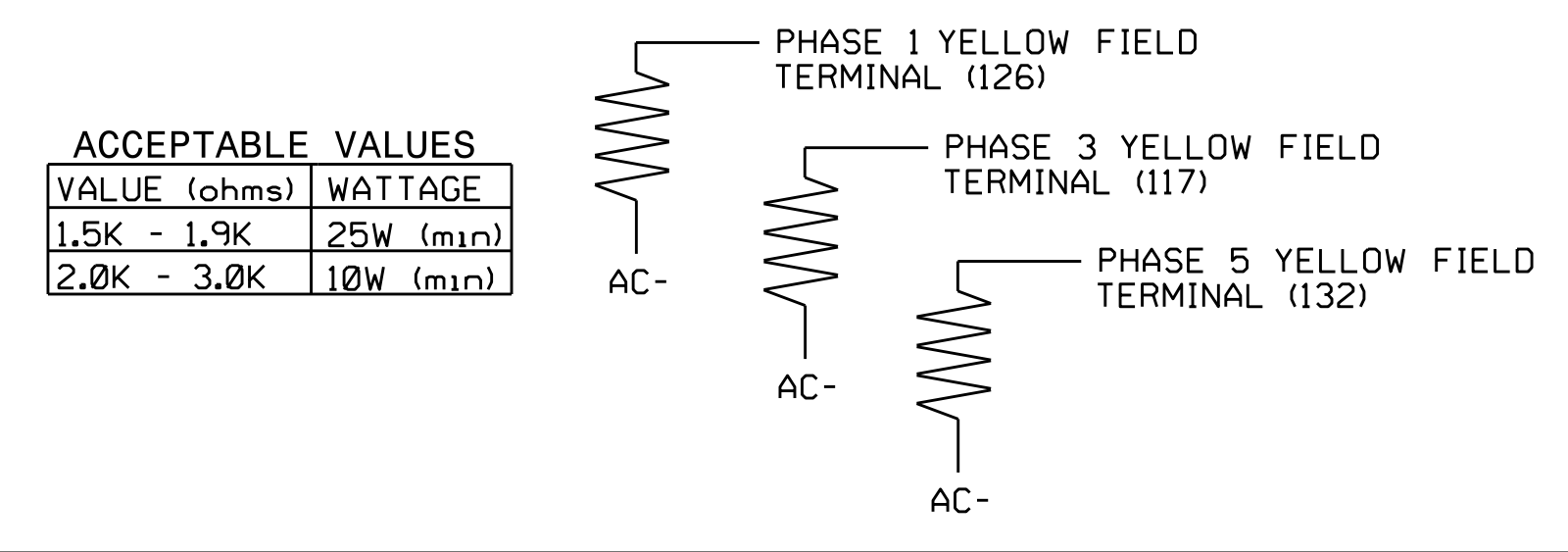
**INPUT FILE CONNECTION & PROGRAMMING CHART**

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 <sup>1</sup>	TB2-1,2	I1U	56	18	1	1	Y	Y			15
	-	J4U	48	10	26	6	Y	Y			3
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
	TB2-7,8	I2L	43	5	12	2	Y	Y			
3A <sup>2</sup>	TB4-5,6	I5U	58	20	3	3	Y	Y			15
	-	J8U	50	12	28	8	Y	Y			3
4A,4B,4C	TB4-9,10	I6U	41	3	4	4	Y	Y			
	TB4-11,12	I6L	45	7	14	4	Y	Y			15
* S1	TB6-9,10	I9U	60	22	11	SYS					
* S2	TB6-11,12	I9L	62	24	13	SYS					
5A <sup>3</sup>	TB3-1,2	J1U	55	17	5	5	Y	Y			15
	-	I4U	47	9	22	2	Y	Y			3
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
8A,8B	TB5-9,10	J6U	42	4	8	8	Y	Y			
8C	TB5-11,12	J6L	46	8	18	8	Y	Y			15
* S3	TB7-9,10	J9U	59	21	15	SYS					

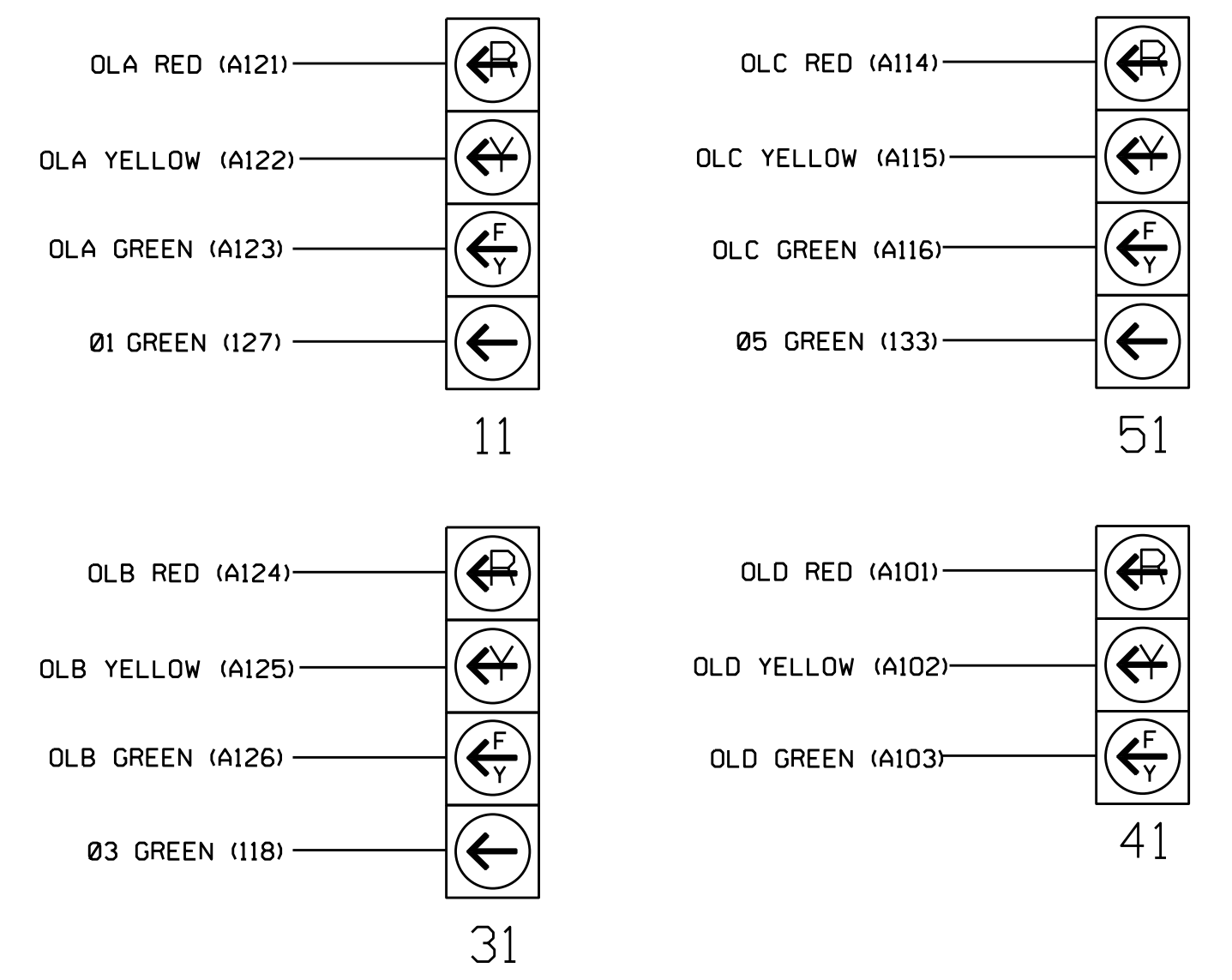
- Add jumper from I1-W to J4-W, on rear of input file.
  - Add jumper from I5-W to J8-W, on rear of input file.
  - Add jumper from J1-W to I4-W, on rear of input file.
- \* System detector only. Remove the vehicle phase assigned to this detector in the default programming.



**LOAD RESISTOR INSTALLATION DETAIL**  
*(install resistors as shown below)*



**4 SECTION FYA PPLT SIGNAL WIRING DETAIL**  
*(wire signal heads as shown)*



- NOTE**
- The sequence display for these signals require special logic programming. See sheet 2 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR  
 THE SIGNAL DESIGN: 07-0947  
 DESIGNED: October 2014  
 SEALED: 3-30-15  
 REVISED: N/A

ELECTRICAL DETAIL SHEET 1 OF 2

Electrical and Programming Details For: SR 1961 (W. Market Center Dr.), SR 1962 (S. College Dr.) at SR 4053 (Surrett Dr.)

Prepared in the Offices of: **Transylvania Mobility and Safety Solutions**  
 750 N. Greenfield Pkwy, Garner, NC 27529

Division 7 Guilford County High Point  
 PLAN DATE: December 2014 REVIEWED BY: JTR  
 PREPARED BY: James Peterson REVIEWED BY:

SEAL: JOHN T. ROWE, JR., PROFESSIONAL ENGINEER, No. 008453

DocuSigned by: John T. Rowe, Jr. 4/7/2015  
 SIG. INVENTORY NO. 07-0947

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 J. Peterson