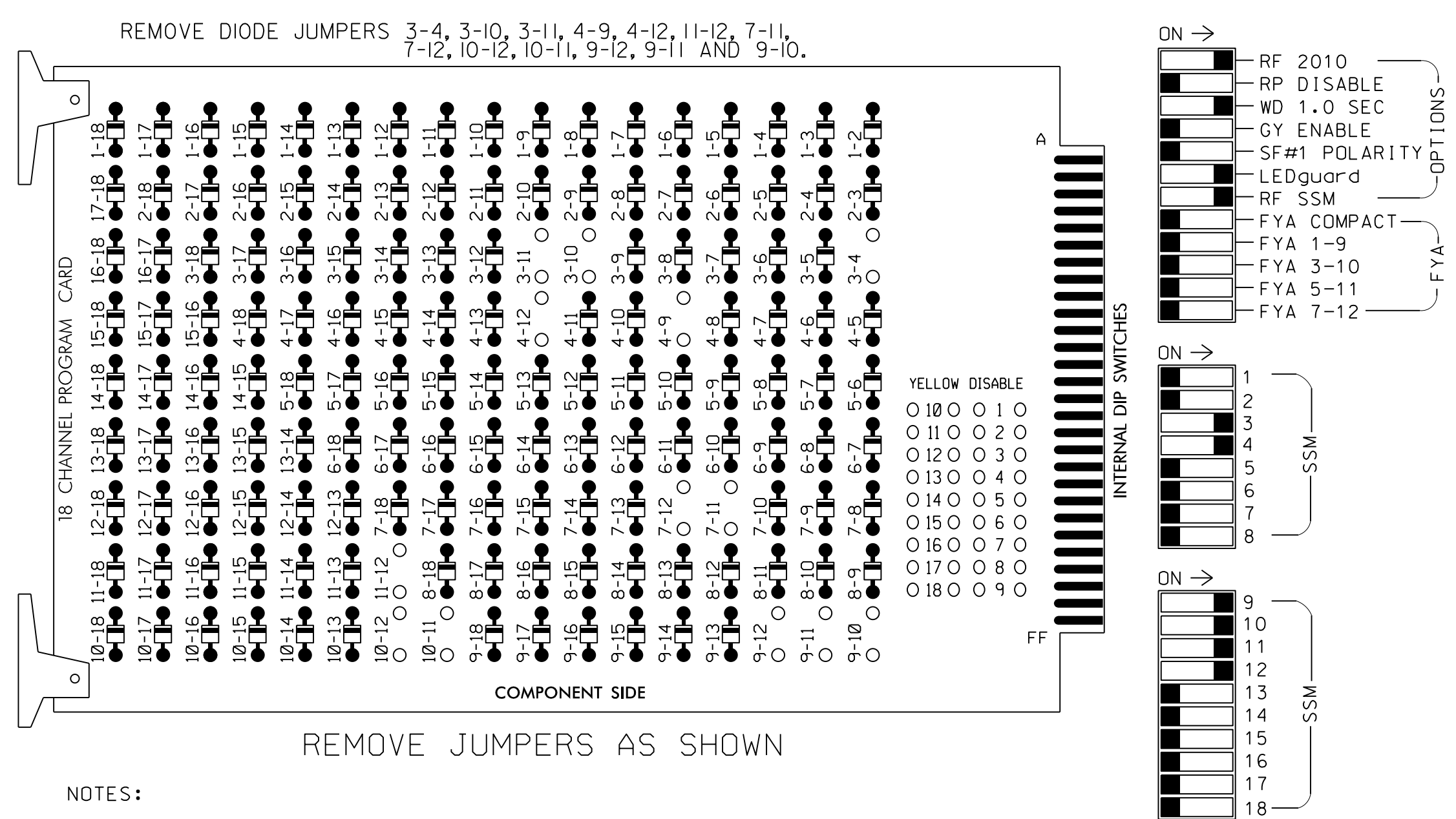


**EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(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 controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of Signal System # 10605.

**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	OLG	OLH	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	NC	NU	31,32,33,34	41,42,43,44	NU	NU	NC	NU	63	NC	NU	21,22	61,62,65	NU	23,24	63,64	NU
RED				116	101								A121	A124		A114	A101	
YELLOW				117	102					*			A122	A125		A115	A102	
GREEN				118	103								A123	A126		A116	A103	
RED ARROW																		
YELLOW ARROW																		
GREEN ARROW										124								

NC = NO CONNECTION; HOWEVER, PHASE IS USED FOR TIMING PURPOSES.  
NU = Not Used

\* DENOTES INSTALL LOAD RESISTOR, SEE LOAD RESISTOR INSTALLATION DETAIL THIS SHEET.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070LX  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S4,S5,S10,AUX S1,AUX S2,  
 AUX S4,AUX S5  
 PHASES USED.....2,3,4,6,7\*,8\*\*  
 OVERLAP "A".....2+4  
 OVERLAP "B".....3+6  
 OVERLAP "C".....2+3+7  
 OVERLAP "D".....4+6+7  
 OVERLAP "G".....3+8  
 OVERLAP "H".....4+8

\* USED IN RR CLEAR ONLY  
 \*\* USED IN RR PREEMPT ONLY

**ECONOLITE ASC/3-2070 LOAD SWITCH ASSIGNMENT DETAIL**

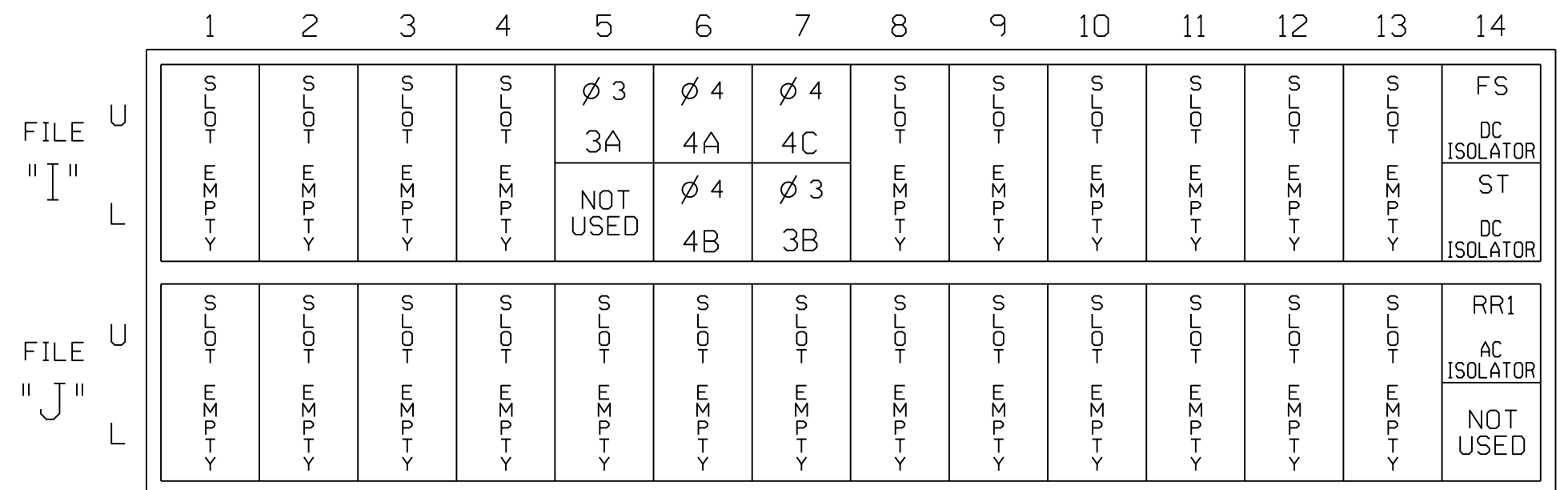
(program controller as shown)

To assign load switches S4 and S5 as OLG and OLH, program LD SWITCH 3 as OVLP '7' TYPE 'O' and LD SWITCH 4 as OVLP '8' TYPE 'O' as shown below.

- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **3. LOAD SW ASSIGN**

**INPUT FILE POSITION LAYOUT**

(front view)

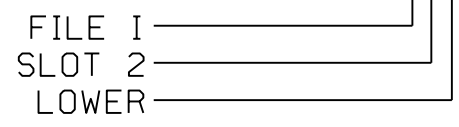


EX.: 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME  
 RR = RAILROAD PREEMPT

**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
3A	TB4-5,6	15U	58	3	3	YES		10		N
3B	TB6-3,4	17L	78	44	3	YES		10		N
4A	TB4-9,10	16U	41	4	4	YES		10		N
4B	TB4-11,12	16L	45	14	4	YES		15		N
4C	TB6-1,2	17U	65	34	4	YES		10		N

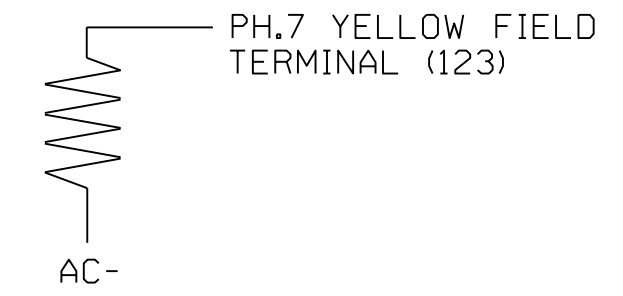
INPUT FILE POSITION LEGEND: I2L



**LOAD RESISTOR INSTALLATION DETAIL**

ACCEPTABLE VALUES

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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0111  
 DESIGNED: AUGUST 2003  
 SEALED: 11/4/03  
 REVIS: 11/16/04  
 REVIS: 05/15/20

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**ELECTRICAL DETAIL - SHEET 1 of 3**

ELECTRICAL AND PROGRAMMING DETAILS FOR: US 701 BUSINESS (SOUTH MADISON STREET) at EAST MAIN STREET and WEST MAIN STREET

Prepared for the Offices of: NORTH CAROLINA PROFESSIONAL ENGINEERS AND SURVEYORS

Division 06 COLUMBUS COUNTY WHITEVILLE

PLAN DATE: APRIL 2020 REVIEWED BY: J. Rowe

PREPARED BY: M. Copple REVIEWED BY:

REVISIONS: INIT. DATE

Matthew Copple  
 20240604170000  
 SIG. INVENTORY NO. 06-0111

5/15/2020  
 \*\*\*60111\_20041207e.dgn  
 USER:MCopple