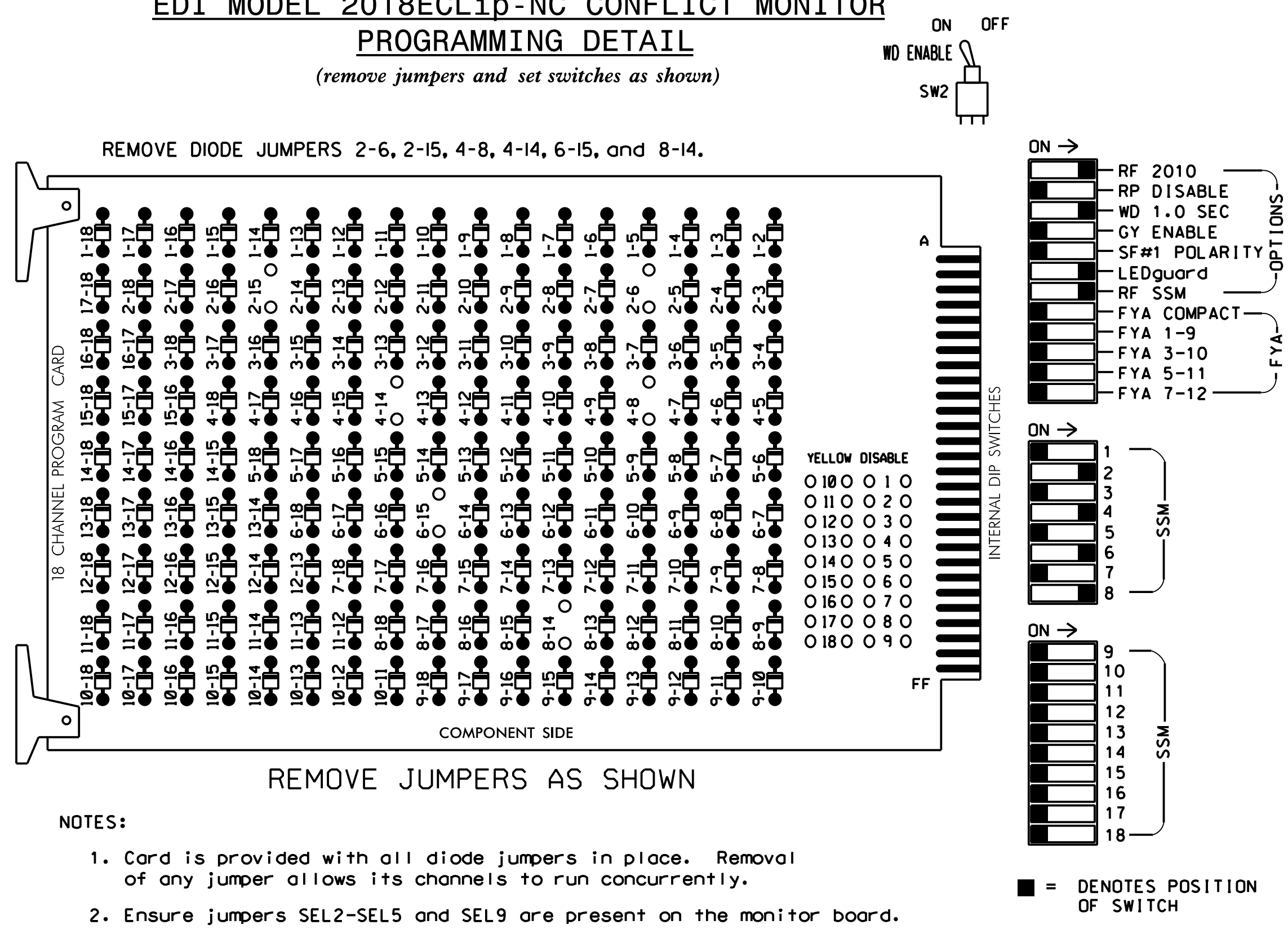


### EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



### 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 2, 4, 6, 7, and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 2 and 6 for Startup In Green.
- Program phases 4 and 6 for 'STARTUP PED CALL'.
- Program phases 2, 4, 6, 7, and 8 for Red Rest.
- The cabinet and controller are part of the Gilead Road Closed Loop System.

### 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	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	NU	21,22	23,24	NU	41,42	43,44	P41, P42	NU	61,62, 63	64,65	P61, P62	NC	81,82, 83,84	NU	NU	NU	NU	NU	
RED	128				101				134										
YELLOW	129				102				135										
GREEN	130																		
RED ARROW		128							101									107	
YELLOW ARROW			129						102										108
GREEN ARROW				130					103	103									109
Hand icon																			119
Person icon																			106
																			121

NU = Not Used  
NC = Not Connected

### EQUIPMENT INFORMATION

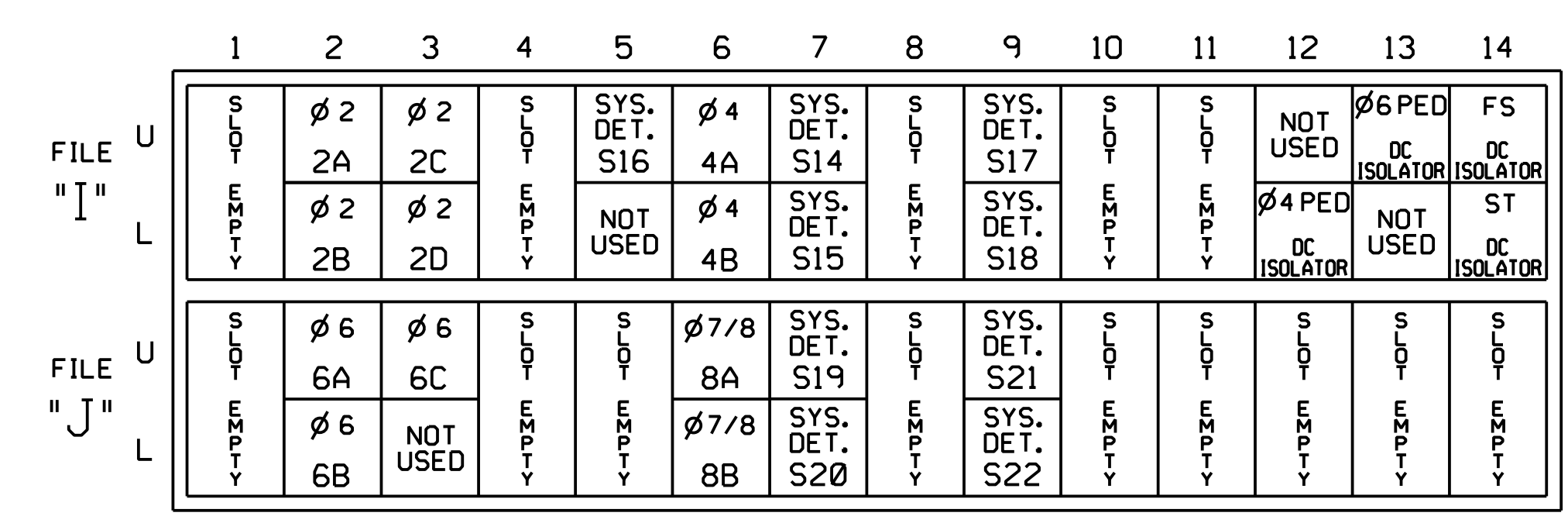
CONTROLLER.....2070E  
CABINET.....332 W/ AUX  
SOFTWARE.....ECONOLITE OASIS  
CABINET MOUNT.....BASE  
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
LOAD SWITCHES USED.....S2,S5,S6,S8,S9,S11  
PHASES USED.....2,4,4 PED,6,6 PED,\*7,8  
OVERLAPS.....NONE  
\* PHASE USED FOR TIMING PURPOSES ONLY

### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

### INPUT FILE POSITION LAYOUT

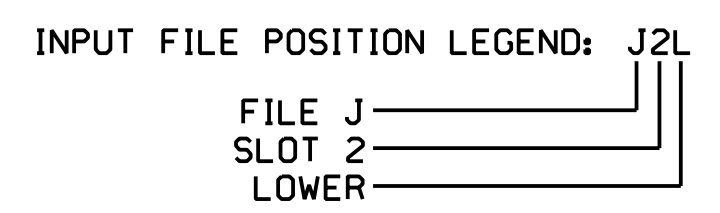
(front view)



### 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	TB2-5,6	I2U	39	1	2	2		Y		2,4	
2B	TB2-7,8	I2L	43	5	12	2		Y		2,4	
2C	TB2-9,10	I3U	63	25	32	2	Y	Y			
2D	TB2-11,12	I3L	76	38	42	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
6C	TB3-9,10	J3U	64	26	36	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	7/8	Y	Y			
8B	TB5-11,12	J6L	46	8	18	7/8	Y	Y			
*S14	TB6-1,2	I7U	65	27	34	SYS					
*S15	TB6-3,4	I7L	78	40	44	SYS					
*S16	TB4-5,6	I5U	58	20	3	SYS					
*S17	TB6-9,10	I9U	60	22	11	SYS					
*S18	TB6-11,12	I9L	62	24	13	SYS					
*S19	TB7-1,2	J7U	66	28	38	SYS					
*S20	TB7-3,4	J7L	79	41	48	SYS					
*S21	TB7-9,10	J9U	59	21	15	SYS					
*S22	TB7-11,12	J9L	61	23	17	SYS					
PED PUSH BUTTONS											
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	30	PED 6	6 PED					

\* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.



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NOTE:  
INSTALL DC ISOLATORS  
IN INPUT FILE SLOTS  
I12 AND I13.

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 10-1619  
DESIGNED: December 2017  
SEALED: 04-23-2018  
REVISED: N/A

Electrical Detail - Sheet 1 of 2  
Final Design

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

SR 2136 (Gilead Road)  
at  
I-77 NB Ramps

Division 10 Mecklenburg Co. Huntersville

PLAN DATE: December 2017 REVIEWED BY: A.D. Klinksiek  
PREPARED BY: A.H. Thornburg REVIEWED BY: N.R. Simmons

REVISIONS: \_\_\_\_\_ INITI: \_\_\_\_\_ DATE: \_\_\_\_\_

DocuSigned by:  
  
4/23/2018

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
SIG. INVENTORY NO. 10-1619