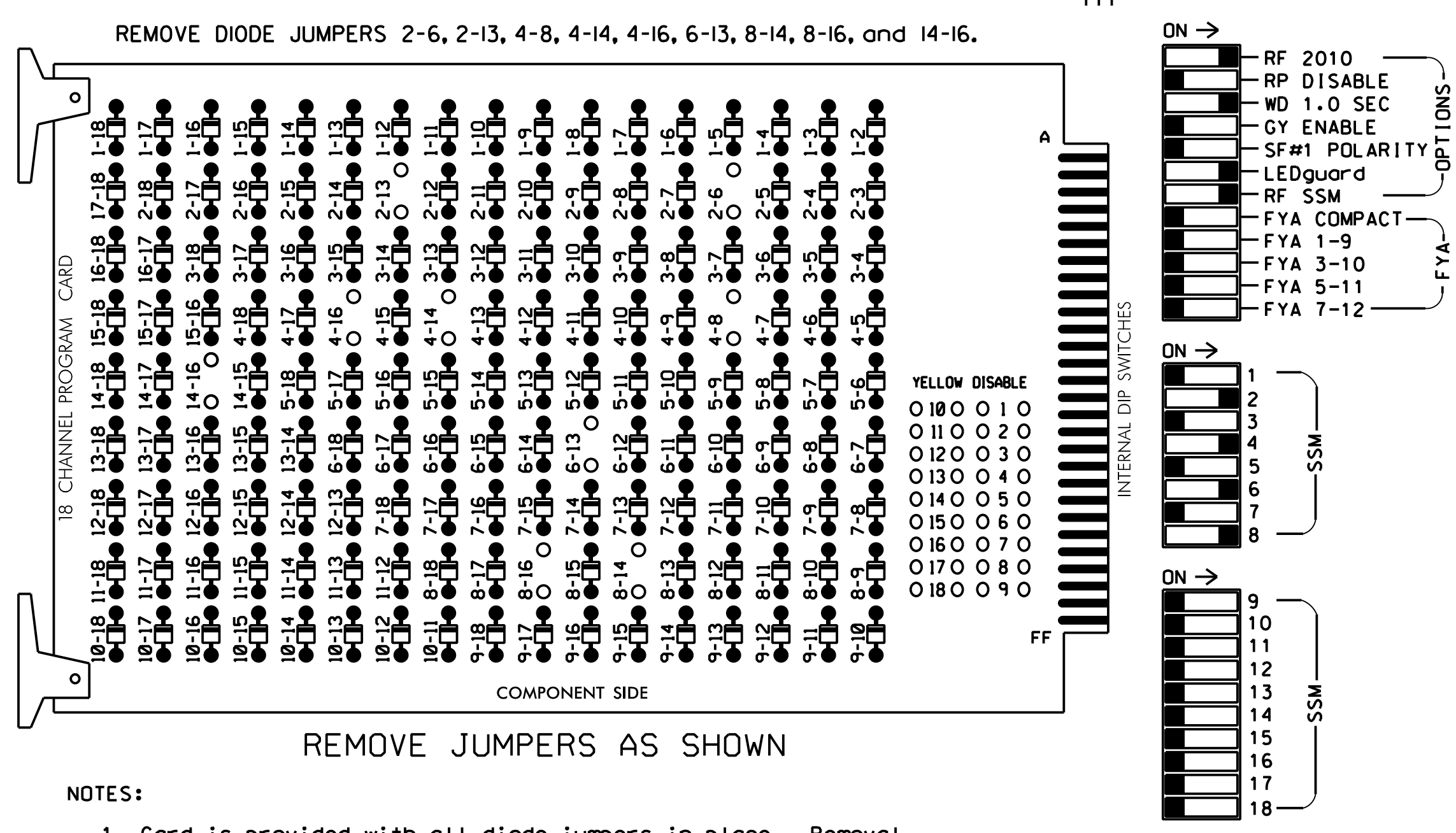


EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.

NOTES

1. 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.
2. Program phases 2, 3, 4, 6, and 8 for Dual Entry.
3. Enable Simultaneous Gap-Out for all Phases.
4. Program phases 2 and 6 for Startup In Green.
5. Program phases 2, 4, and 8 for 'STARTUP PED CALL'.
6. Program phases 2, 3, 4, 6, and 8 for Red Rest.
7. 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	24,25	P21, P22	NC	41,42,43,44	P41, P42	NU	61,62,63,64	NU	81,82	83,84	P81, P82	NU	NU	NU	NU	NU
RED		128							134		107							
YELLOW		129									108							
GREEN																		
RED ARROW		128			101						107							
YELLOW ARROW		129			102			135			108							
GREEN ARROW	130	130			103			136			109	109						
Hand				113		104					110							
Walker				115		106					112							

NU = Not Used
NC = Not Connected

EQUIPMENT INFORMATION

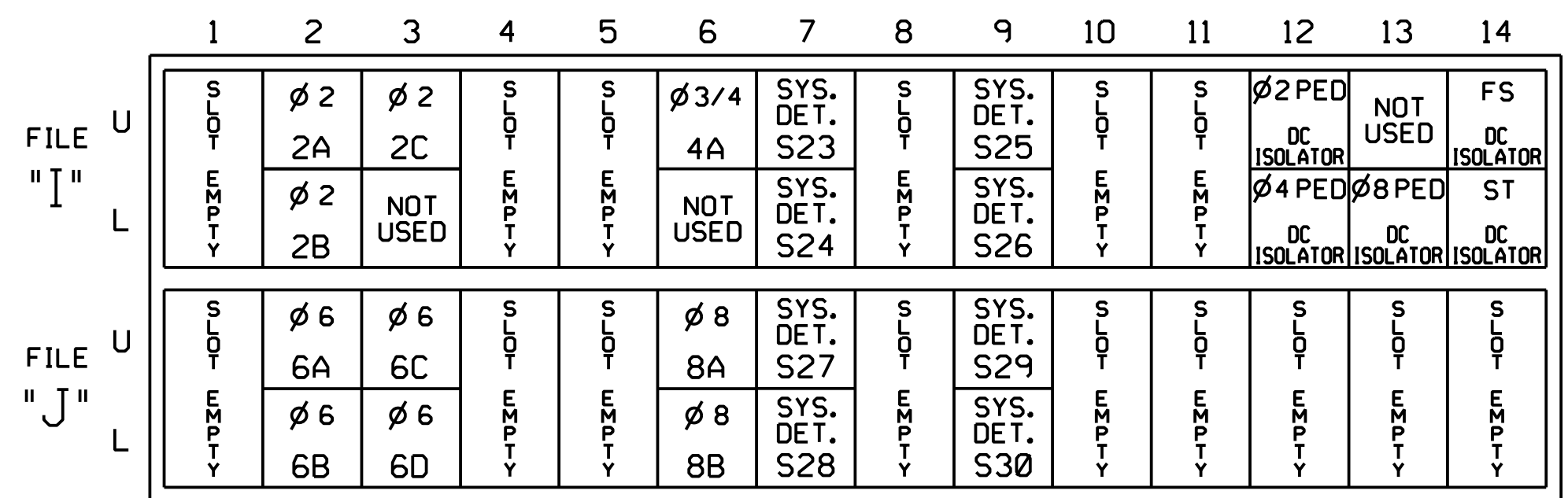
CONTROLLER.....2070E
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S3,S5,S6,S8,S11,S12
 PHASES USED.....2,2 PED,*3,4,4 PED,6,8,8 PED
 OVERLAPS.....NONE
 * PHASE USED FOR TIMING PURPOSES ONLY

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)



EX. : 1A, 2A, ETC. = LOOP NO.'S

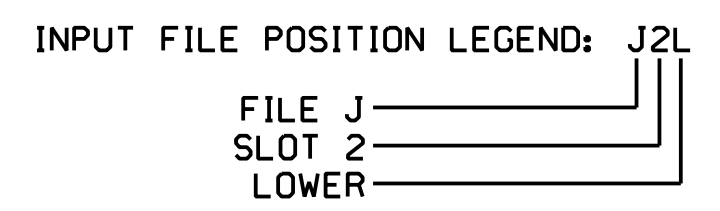
FS = FLASH SENSE
ST = STOP TIME

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	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
2C	TB2-9,10	I3U	63	25	32	2	Y	Y			
4A	TB4-9,10	I6U	41	3	4	3/4	Y	Y			
6A	TB3-5,6	J2U	40	2	6	6		Y		2,4	
6B	TB3-7,8	J2L	44	6	16	6		Y		2,4	
6C	TB3-9,10	J3U	64	26	36	6	Y	Y			
6D	TB3-11,12	J3L	77	39	46	6	Y	Y			
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			
*S23	TB6-1,2	I7U	65	27	34	SYS					
*S24	TB6-3,4	I7L	78	40	44	SYS					
*S25	TB6-9,10	I9U	60	22	11	SYS					
*S26	TB6-11,12	I9L	62	24	13	SYS					
*S27	TB7-1,2	J7U	66	28	38	SYS					
*S28	TB7-3,4	J7L	79	41	48	SYS					
*S29	TB7-9,10	J9U	59	21	15	SYS					
*S30	TB7-11,12	J9L	61	23	17	SYS					
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	31	PED 4	4 PED					
P81,P82	TB8-8,9	I13L	70	32	PED 8	8 PED					

NOTE:
INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-1106
 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

	SR 2136 (Gilead Road) at I-77 SB Ramps	
	Division 10 Mecklenburg Co. Huntersville	Division 10 Mecklenburg Co. Huntersville
PLAN DATE: December 2017	REVIEWED BY: A.D. Klinksiek	PREPARED BY: A.H. Thornburg
REVISIONS	INIT.	DATE
DocuSigned by: Natasha R. Simmons	4/23/2018	DATE
SIGNATURE	DATE	DATE
SIG. INVENTORY NO.	10-1106	10-1106