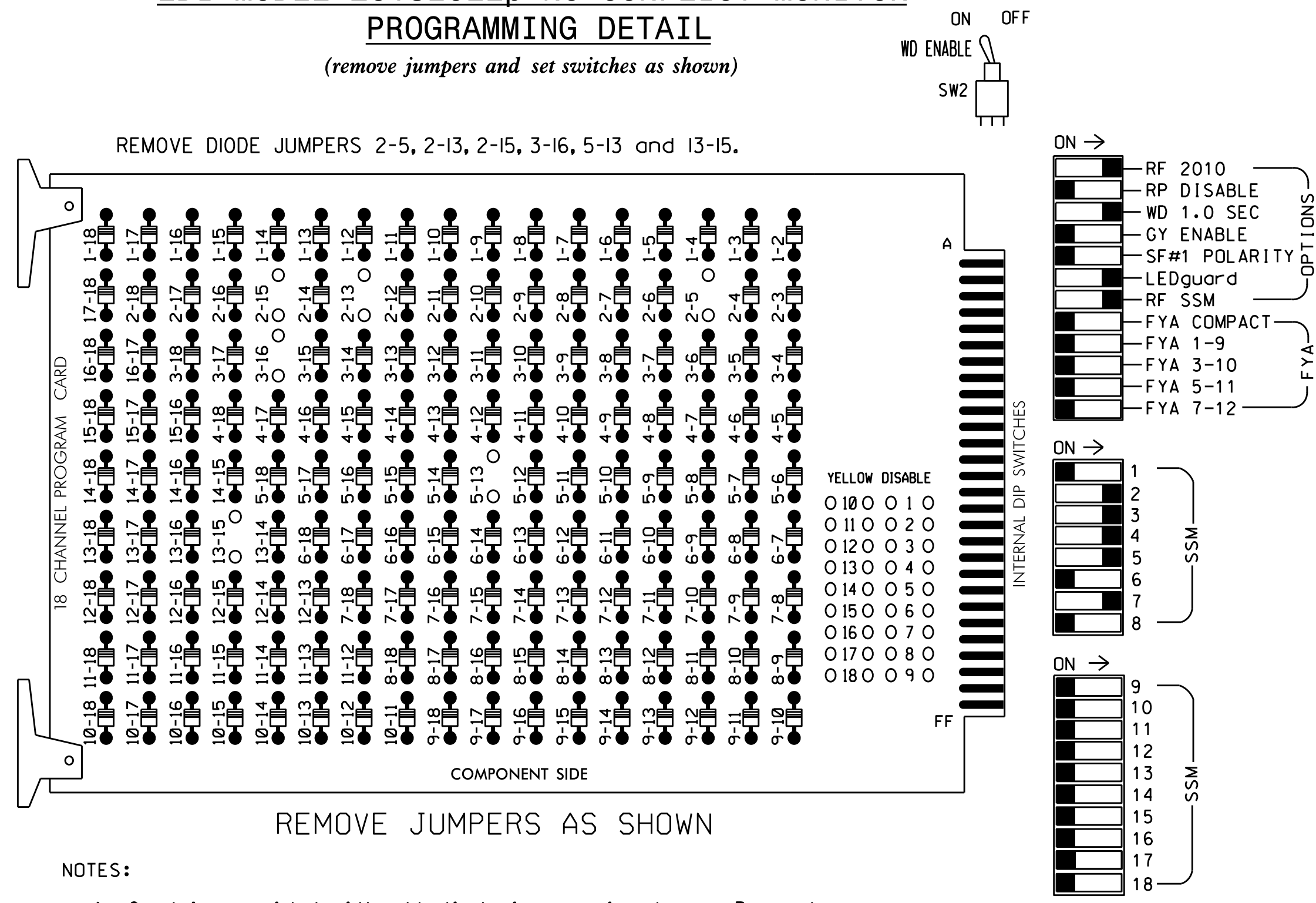


**EDI MODEL 2018EClip-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

(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 phase 2 for Start Up In Green.
- Program phases 2, 3 and 6 for 'STARTUP PED CALL'.
- Program phase 2 for Yellow Flash.
- The cabinet and controller are part of the Asheville Signal System.

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,S4,S5,S7,S9,S10,S12
 PHASES USED.....2,3,4,5,*6,9,2 PED,3 PED,6 PED
 OVERLAPS.....NONE
 *Phase used for PED timing only.

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	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	9	8	3 PED	OLA	OLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	NU	21,22	P21, P22	31	32	41	42	NU	42	51	NC	P61, P62	91	92	NU	P31, P32	NU	NU	NU
RED		128		116	116	101	101						122	122					
YELLOW		129		117	117	102	102						123	123					
GREEN		130		118	118	103	103						124	124					
RED ARROW									131										
YELLOW ARROW								132	132										
GREEN ARROW				118		103		133	133			124							
Hand			113							119			110						
Walker			115							121			112						

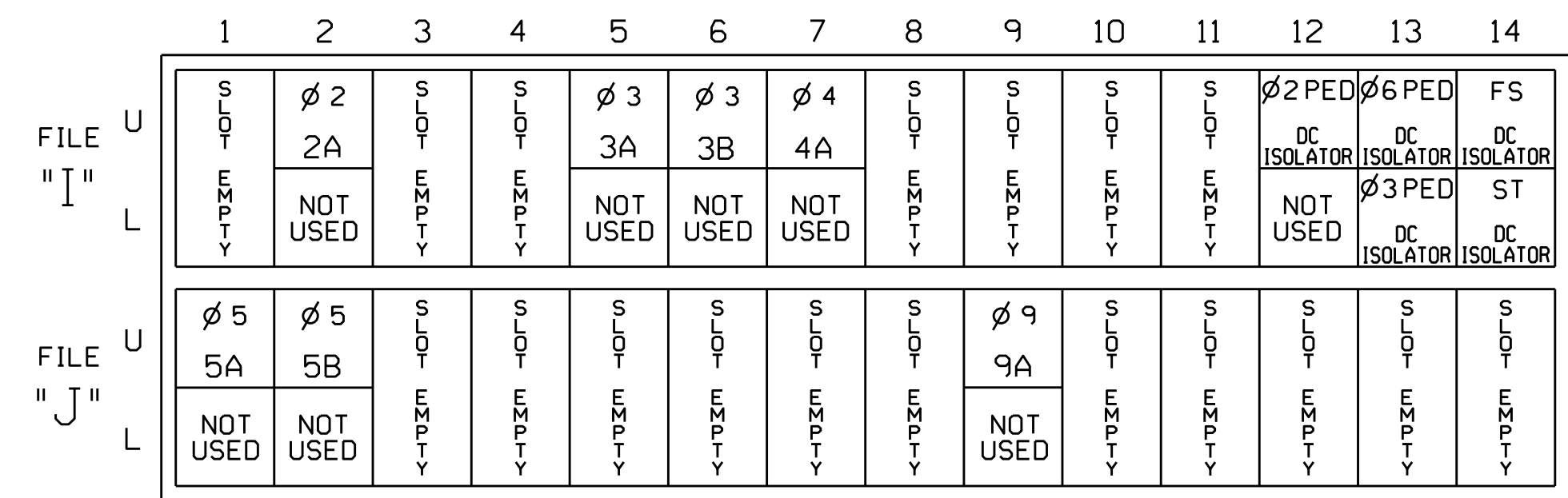
NU = Not Used
 NC = No Connection. Phase used for PED timing only.

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)



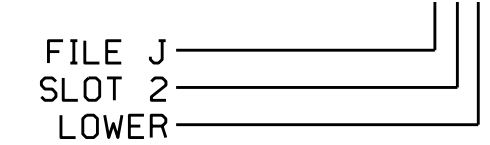
EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

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			10
3A	TB4-5,6	I5U	58	20	3	3	Y	Y	Y		5
3B	TB4-9,10	I6U	41	3	4	3	Y	Y			
4A	TB6-1,2	I7U	65	27	34	4	Y	Y			3
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
5B	TB3-5,6	J2U	40	2	6	5	Y	Y			15
9A	TB7-9,10	J9U	59	21	15	9	Y	Y			
PED PUSH BUTTONS											
P21,P22	TB8-4,6	I12U	67	29							2 PED
P31,P32	TB8-8,9	I13L	70	32							3 PED
P61,P62	TB8-7,9	I13U	68	30							6 PED

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

INPUT FILE POSITION LEGEND:



ACCESSIBLE PEDESTRIAN SIGNAL (APS) INSTALLATION NOTES (FOR PED 6 ONLY)

- Install push buttons and APS equipment per manufacturer's instructions.
- Provide a dedicated cable to each push button per manufacturer's instructions. (P61 and P62)
- If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.
- Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
- Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.

PHASE SEQUENCE PROGRAMMING DETAIL

(program controller as shown below)

FROM OASIS LOCAL CONTROLLER MAIN MENU
 SELECT: 4 PHASE SEQUENCE

PHASE SEQUENCE: PAGE 1	PHASE SEQUENCE: PAGE 2	PHASE SEQUENCE: PAGE 3	PHASE SEQUENCE: PAGE 4
RNG: LEAD	BARRIER 1	X-LAG: LEAD	BARRIER 2
1 : 0	2 0	3 : 0	4 0
2 : 0	5 0	4 : 0	0 0
3 : 0	0 0	5 : 0	0 0
4 : 0	0 0	6 : 0	0 0

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0049
 DESIGNED: November 2015
 SEALED: 8-11-16
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared In the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

SR 3548 (Haywood Road) / Beverly Road at SR 3548 (Haywood Road) / Ridgelawn Road

Division 18 Buncombe County Asheville

PLAN DATE: May 2016 REVIEWED BY: DTJ
 PREPARED BY: James Peterson REVIEWED BY:

REVISIONS: INIT. DATE

DocuSigned by:

 Keith M. Mins 8/30/2016

SIG. INVENTORY NO. 13-0049

30-AUG-2016 08:51
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 J.peterson