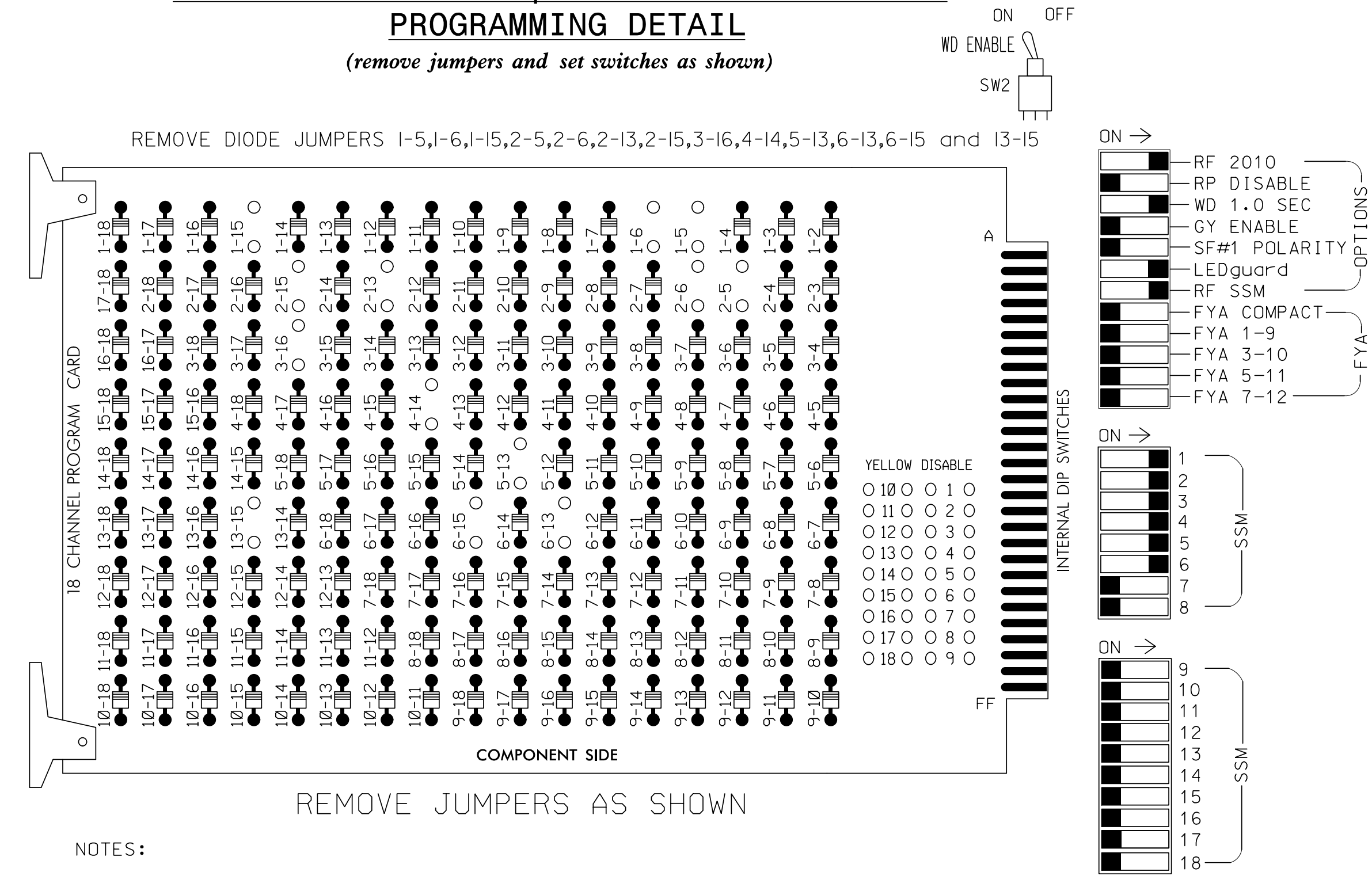


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 phases 2 and 6 for volume density operation.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,S9,S12
 PHASES USED.....1,2,2PED,3,3PED,4,4PED,5,6,6PED
 OVERLAPS.....NONE

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12						
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16						
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED						
SIGNAL HEAD NO.	11,12	32	21,22	P21, P22	22	31	32	41	42	62	P41, P42	42	51	61,62	P61, P62	NU	NU	P31, P32
RED		128		116	116	101	101						134					
YELLOW		129		117	117	102	102						135					
GREEN		130		118	118	103	103						136					
RED ARROW	125												131					
YELLOW ARROW	126	126		117				102		132	132							
GREEN ARROW	127	127		118	118	103		103		133	133							
Hand				113					104						119			110
Walking				115					106						121			112

NU = Not Used

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.

PED 3 PROGRAMMING DETAIL

(program controller as shown below)

CHANGING OUTPUT ASSIGNMENTS

FROM MAIN MENU SELECT '1' (CONFIGURATION), THEN '3' (LOAD SWITCH ASSIGNMENT) MODIFY THE LOAD SWITCH ASSIGNMENTS AS SHOWN:

LD SWITCH ASSIGN									
PHASE /OVLP	TYPE	R	Y	G	D	---	FLASH	---	
						PWR	AUT	TGR	
13	2	P	.	.	.	+	A	.	.
14	4	P	.	.	.	-	A	.	.
15	6	P	.	.	.	+	A	.	.
16	3	P	.	.	.	-	A	.	.

"NOTICE PHASE 3"

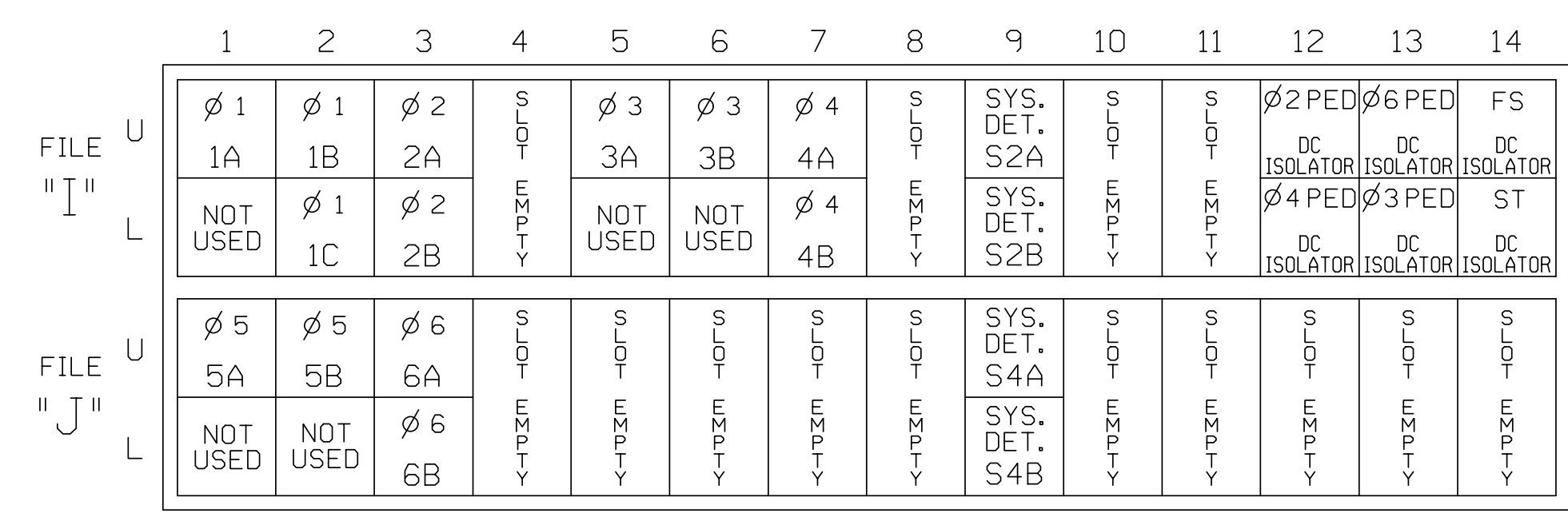
CHANGING INPUT ASSIGNMENTS

FROM MAIN MENU SELECT '6' (DETECTORS), THEN '3' (PED DETECTOR INPUT ASSIGNMENT) MODIFY PHASE ASSIGNED TO PED DETECTOR #8 FROM PHASE 8 TO PHASE 3.

PROGRAMMING COMPLETE

INPUT FILE POSITION LAYOUT

(front view)



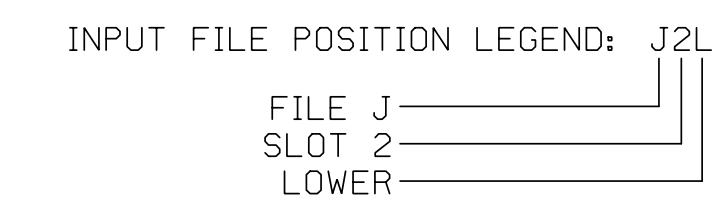
EX.: 1A, 2A, ETC. = LOOP NO.'S FS = FLASH SENSE ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I1U	56	1	1	YES			S
1B	TB2-5,6	I2U	39	2	1	YES			S
1C	TB2-7,8	I2L	43	12	1	YES		15	S
2A	TB2-9,10	I3U	63	32	2	YES			N
2B	TB2-11,12	I3L	76	42	2	YES			N
3A	TB4-5,6	I5U	58	3	3	YES			S
3B	TB4-9,10	I6U	41	4	3	YES			S
4A	TB6-1,2	I7U	65	34	4	YES			S
4B	TB6-3,4	I7L	78	44	4	YES			S
5A	TB3-1,2	J1U	55	5	5	YES			S
5B	TB3-5,6	J2U	40	6	5	YES		15	S
6A	TB3-9,10	J3U	64	36	6	YES			N
6B	TB3-11,12	J3L	77	46	6	YES			N
*S2A	TB6-9,10	I9U	60	11	SYS	NO			N
*S2B	TB6-11,12	I9L	62	13	SYS	NO			N
*S4A	TB7-9,10	J9U	59	15	SYS	NO			N
*S4B	TB7-11,12	J9L	61	17	SYS	NO			N
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2	PED			
P41,P42	TB8-5,6	I12L	69	PED 4	4	PED			
P61,P62	TB8-7,9	I13U	68	PED 6	6	PED			
P31,P32	TB8-8,9	I13L	70	PED 8	3	PED			

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

* System detector only. Remove any assigned vehicle phase.



Electrical Detail

Electrical and Programming Details For:
 Prepared For:
 PLANS PREPARED IN THE OFFICE OF:
Kimley-Horn
 NC License #F-0102
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601
 (919) 677-2000

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0779
 DESIGNED: October 2015
 SEALED: 5/11/2016
 REVISED:

Division 6 Cumberland County Fayetteville
 PLAN DATE: July 2016 REVIEWED BY: KP Baumann
 PREPARED BY: SP Pennington REVIEWED BY: SL Phillips

REVISIONS INIT. DATE

SR 1400 (Cliffdale Road) at SR 1402 (Rim Road)

8/11/2016

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 032607
 STAGIE L. PHILLIPS
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED