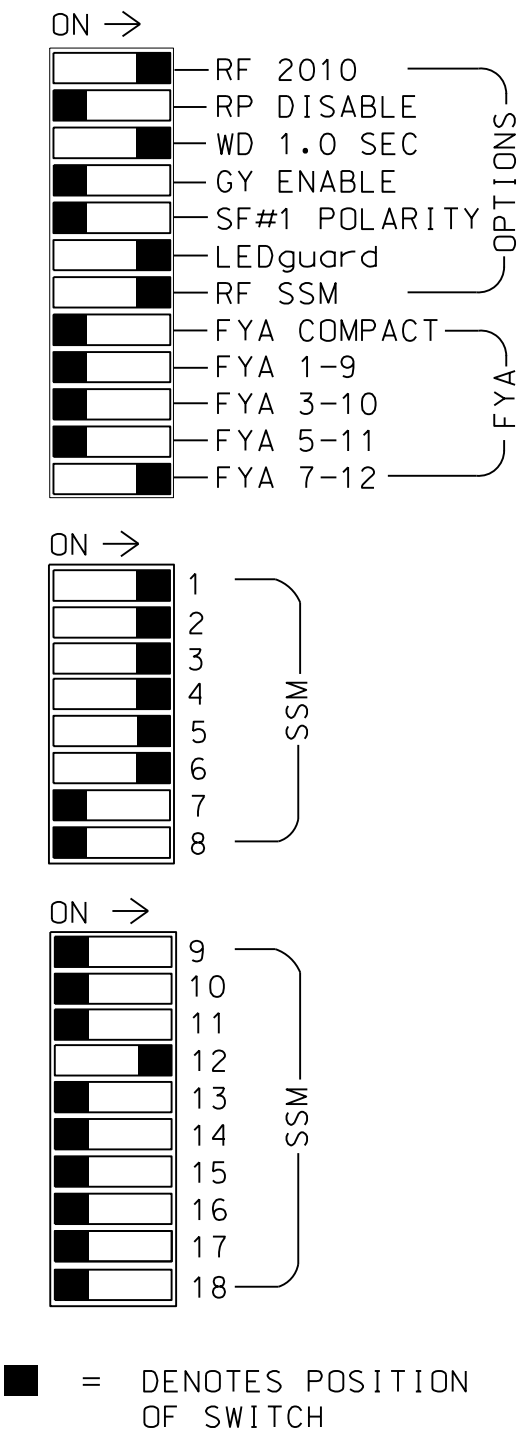
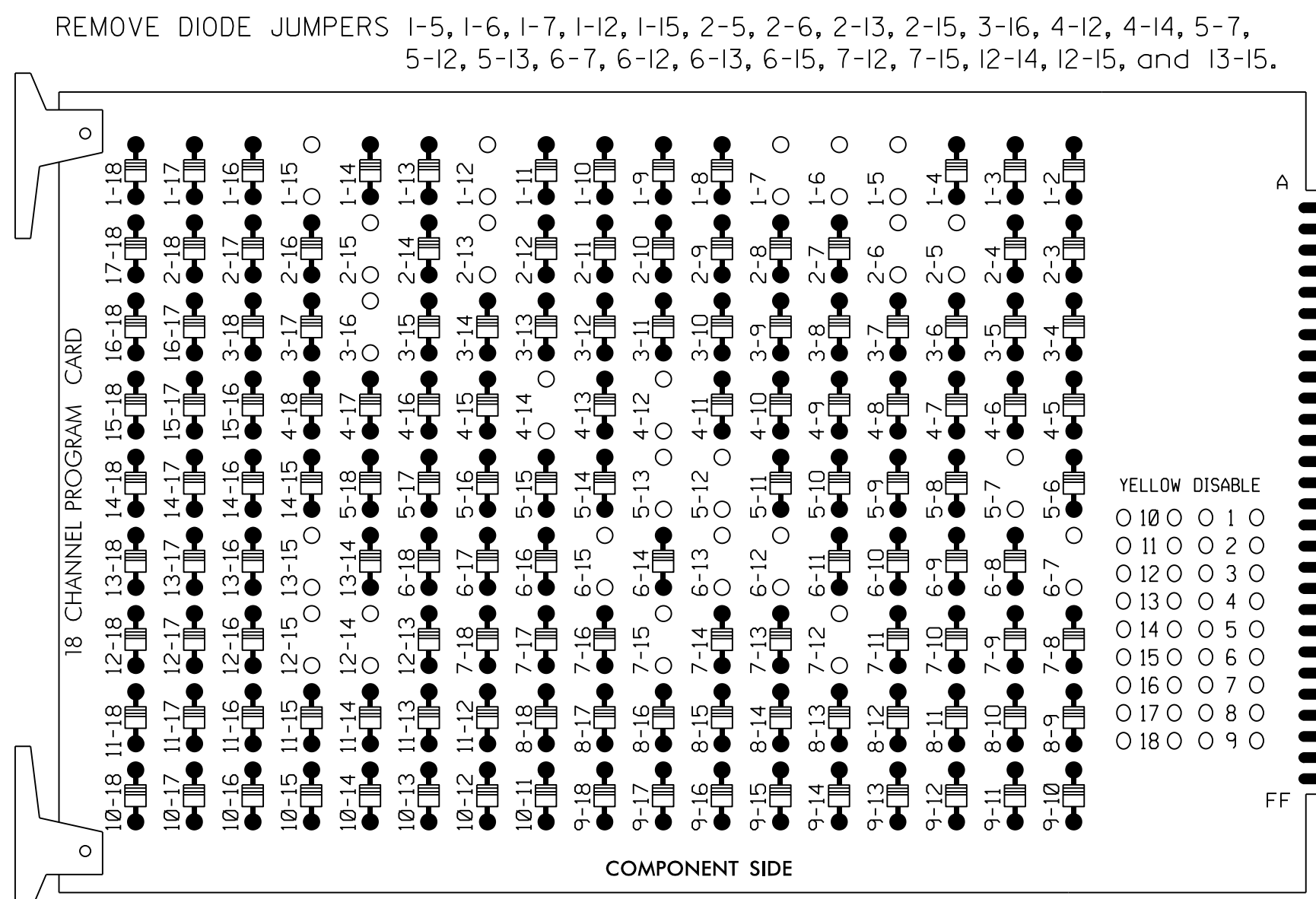


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 WALK and Phase 6 WALK.
- The cabinet and controller are part of the Fayetteville Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S3,S4, S5,S6,S7,S8, S9,S10,S12,AUX S5
 PHASES USED.....1,2,2PED,3,3PED, 4,4PED,5,6,6PED
 OVERLAP A.....NOT USED
 OVERLAP B.....NOT USED
 OVERLAP C.....NOT USED
 OVERLAP D.....*
 OVERLAP G.....*

* See Overlap Programming Detail on sheet 2

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	OLG	8	3 PED	OLA	OLB	OLE	OLC	OLD	OLF			
SIGNAL HEAD NO.	11	21,22,23	P21, P22	31	32	41	42	23	P41, P42	51	61,62,63	P61, P62	43,44	NU	P31, P32	NU	NU	NU	43,44	NU	
RED	128			116	116	101	101						134							A121	
YELLOW	129			117	117	102	102						135								
GREEN	130			118	118	103	103						136								
RED ARROW	125												131								
YELLOW ARROW	126							102		132										A122	
FLASHING YELLOW ARROW																				A123	
GREEN ARROW	127			118		103		103		133			124								
Hand				113						104			119							110	
Walker				115						106			121							112	

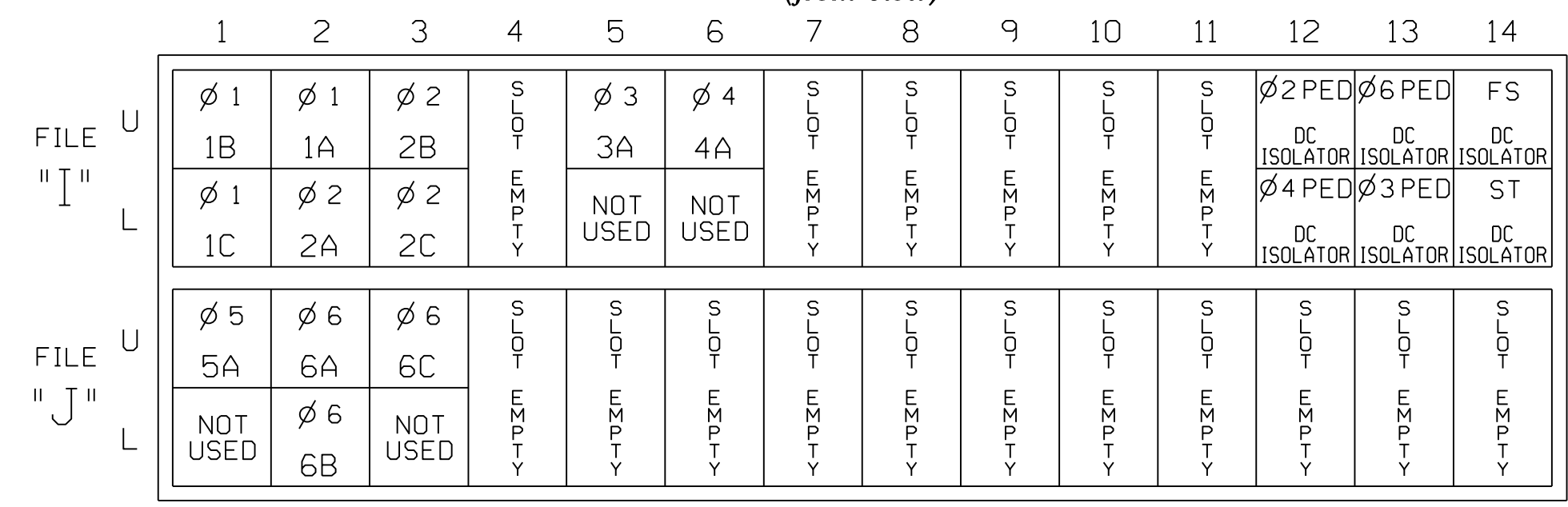
NU = Not Used
 ★ See pictorial of head wiring in detail this sheet.

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)

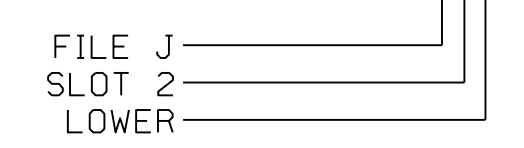


EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A	TB2-5,6	I2U	39	2	1	YES				S
1B	TB2-1,2	I1U	56	1	1	YES		15		S
1C	TB2-3,4	I1L	56	1	1	YES		15		S
2A	TB2-7,8	I2L	43	12	2	YES			X	N
2B	TB2-9,10	I3U	63	32	2	YES			X	N
2C	TB2-11,12	I3L	76	42	2	YES			X	N
3A	TB4-5,6	I5U	58	3	3	YES		5		S
4A	TB4-9,10	I6U	41	4	4	YES		3		S
5A	TB3-1,2	J1U	55	5	5	YES				S
6A	TB3-5,6	J2U	40	6	6	YES			X	N
6B	TB3-7,8	J2L	44	16	6	YES			X	N
6C	TB3-9,10	J3U	64	36	6	YES			X	N

NOTE:
 INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.
 INPUT FILE POSITION LEGEND: J2L



ECONOLITE ASC/3-2070 PED 3 PROGRAMMING ASSIGNMENT DETAIL

(program controller as shown)

- From Main Menu select **6. DETECTORS**
- From DETECTOR Submenu select **3. PED DETECTOR INPUT ASSIGNMENT**

PED DET PHASE ASSIGNMENT MODE: NTCIP	
PHASE	1 2 3 4 5 6 7 8
DETECTOR	0 2 8 4 0 6 0 0
PHASE	9 10 11 12 13 14 15 16
DETECTOR	0 0 0 0 0 0 0 0

← NOTICE PED DETECTOR 8 ASSIGNED TO PHASE 3

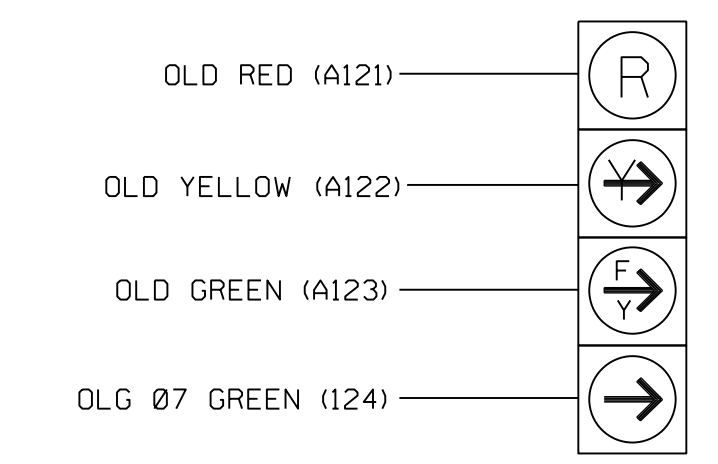
- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **3. LOAD SW ASSIGN**

LD SWITCH ASSIGN	PHASE	DIMMING	---FLASH---
/OVLP	TYPE	R Y G D	PWR AUT TGR
1	1	V	. . . + A Y X
2	2	V	. . . + A Y .
3	3	V	. . . + A R X
4	4	V	. . . + A R .
5	5	V	. . . + A Y .
6	6	V	. . . + A Y X
7	7	0	. . . - A R X
8	8	0	. . . - A R X
9	1	0	. . . + A R X
10	2	0	. . . + A R X
11	3	0	. . . - A R .
12	4	0	. . . - A R .
13	2	P	. . . + A . .
14	4	P	. . . + A . .
15	6	P	. . . + A . .
16	3	P	. . . - A . .

← NOTICE PHASE 3 PED ASSIGNED TO LD SWITCH 16

FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



43,44

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0358
 DESIGNED: March 2018
 SEALED: 03-29-2018
 REVISED: N/A

Final Design
 Electrical Detail - Sheet 1 of 2

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Division 6	Cumberland County Fayetteville
PLAN DATE: March 2018	REVIEWED BY: L Overn
PREPARED BY: G B Spell	REVIEWED BY:
REVISIONS	INIT. DATE

Lawrence E. Overn
 Professional Engineer
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 3/29/2018

DATE: U:\Projects\Signal\2018\EDI\Detail\EDI.dwg User: rmmancey