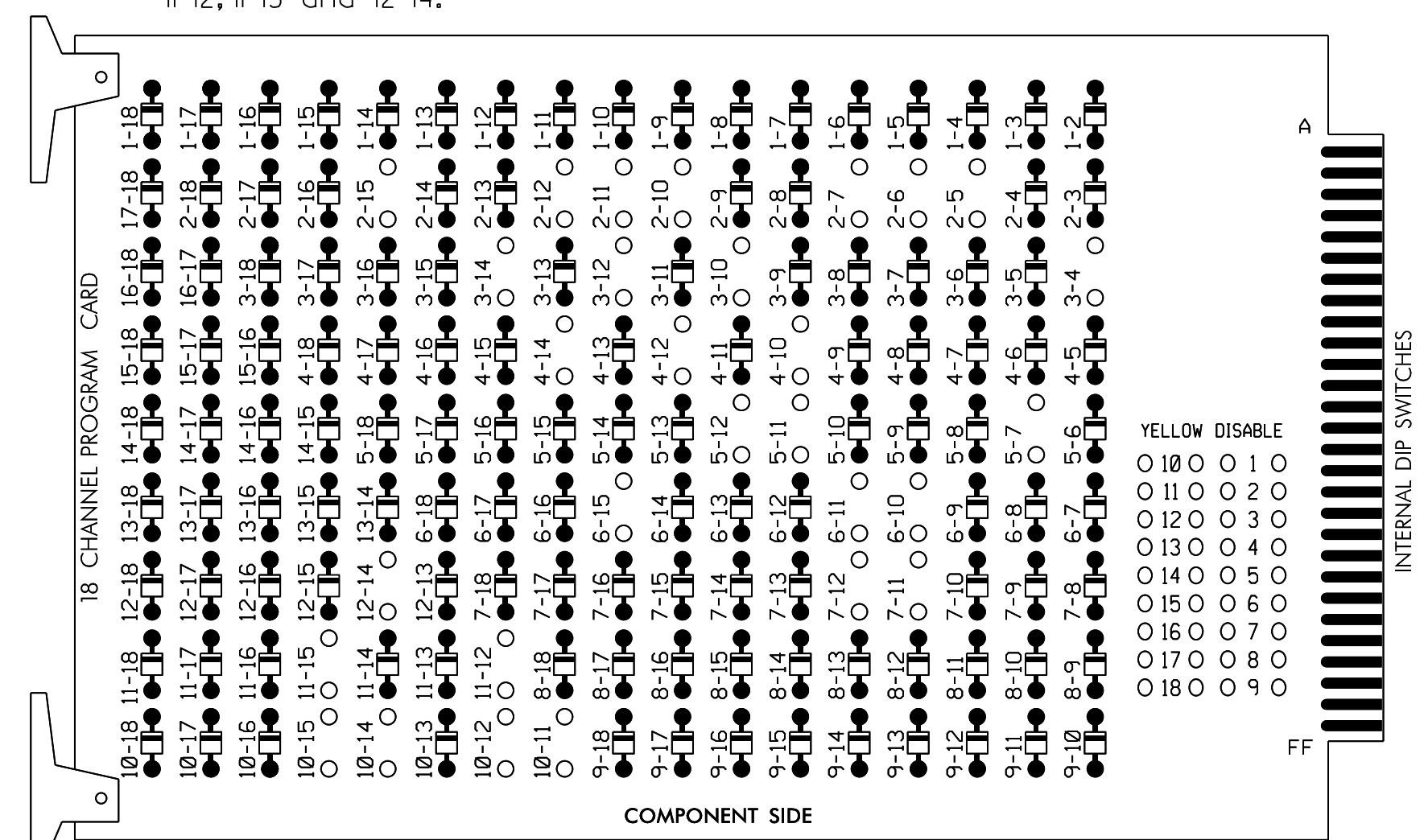


### EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

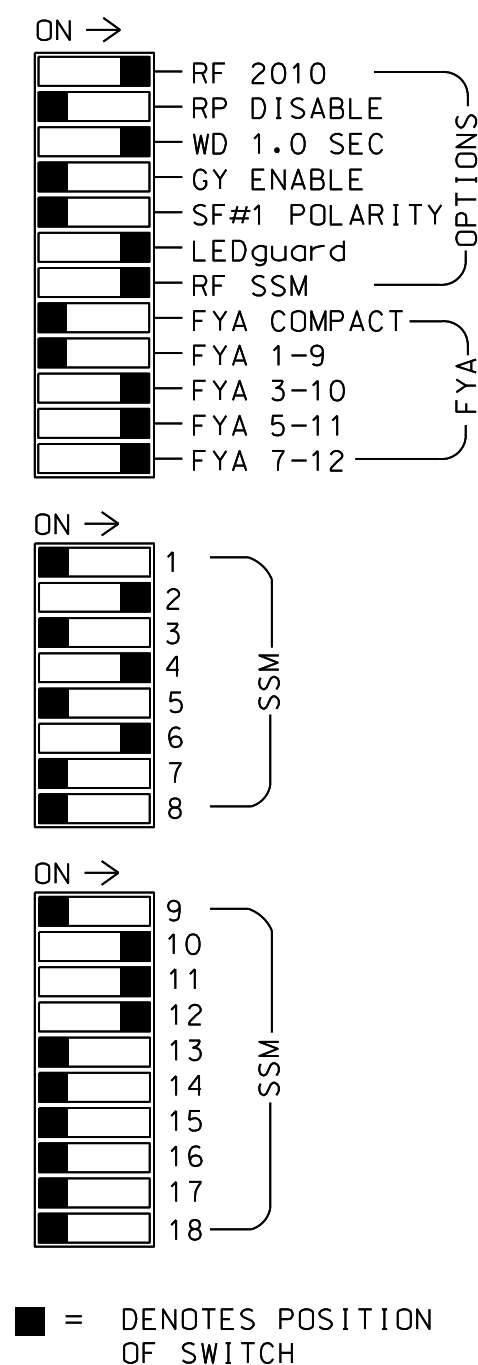
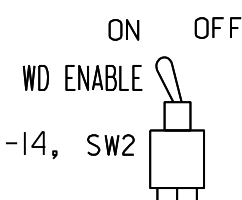
REMOVE DIODE JUMPERS 2-5, 2-6, 2-7, 2-10, 2-11, 2-12, 2-15, 3-4, 3-10, 3-12, 3-14, 4-10, 4-12, 4-14, 5-7, 5-11, 5-12, 6-10, 6-11, 6-15, 7-11, 7-12, 10-11, 10-12, 10-14, 10-15, 11-12, 11-15 and 12-14.



REMOVE JUMPERS 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.



■ = DENOTES POSITION OF SWITCH

### 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 Green and 6 Walk.
- The cabinet and controller are part of the Fayetteville Signal System.

### EQUIPMENT INFORMATION

CONTROLLER.....2070LX  
 CABINET.....332 W/AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S4,S5,S6,S7,S8,S9,S10,  
 AUX S2,AUX S4,AUX S5  
 PHASES USED.....2,4,5,6,4PED,6PED  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....\*  
 OVERLAP "C".....\*  
 OVERLAP "D".....\*  
 OVERLAP "E".....NOT USED  
 OVERLAP "F".....NOT USED  
 OVERLAP "G".....\*  
 OVERLAP "H".....\*  
 \* 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	OLG	4	4 PED	5	6	6 PED	DLH	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	63	41,42	P41, P42	51	61,62	P61, P62	43	NU	NU	NU	63	NU	51	43	NU
RED		128						134						A124			A101	
YELLOW		129		*			*	135		*								
GREEN		130						136										
RED ARROW					101												A114	
YELLOW ARROW					102									A125		A115	A102	
FLASHING YELLOW ARROW														A126		A116	A103	
GREEN ARROW				118	103		133			124								
Hand							104			119								
Walking							106			121								

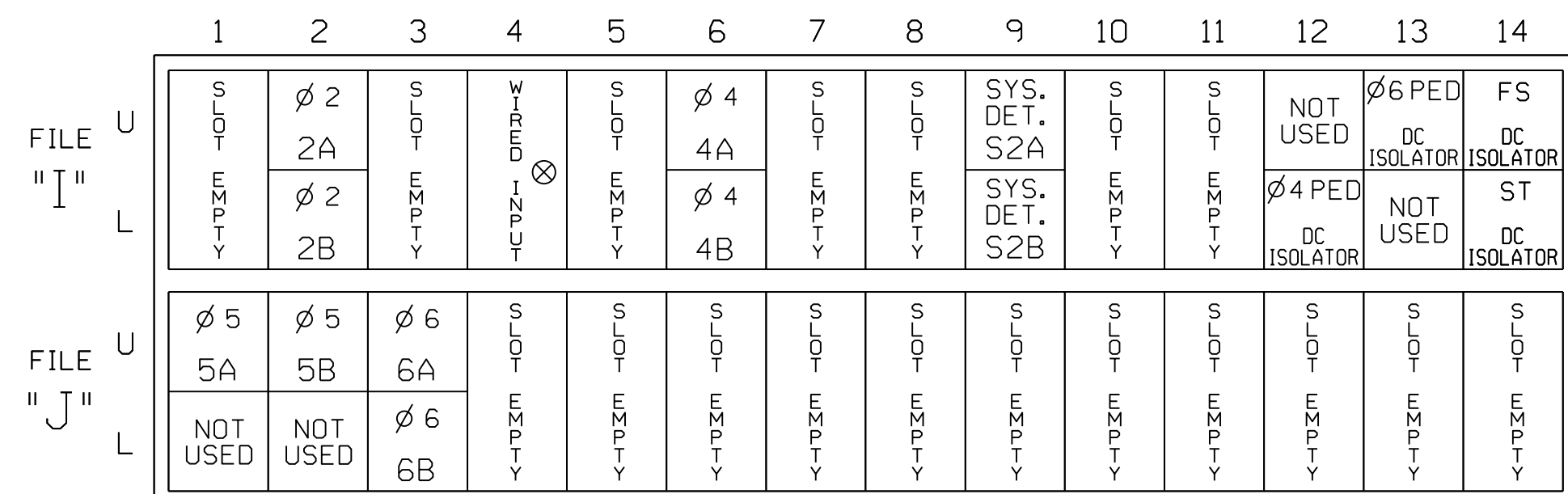
NU = Not Used

\* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

### INPUT FILE POSITION LAYOUT

(front view)



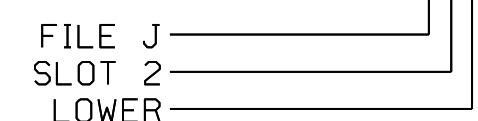
EX.: 1A, 2A, ETC. = LOOP NO.'S

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
2A	TB2-5,6	I2U	39	2	2	YES			X	N
2B	TB2-7,8	I2L	43	12	2	YES			X	N
4A	TB4-9,10	I6U	41	4	4	YES		3		N
4B	TB4-11,12	I6L	45	14	4	YES				N
*S2A	TB6-9,10	I9U	60	11	SYS	NO				N
*S2B	TB6-11,12	I9L	62	13	SYS	NO				N
5A	TB3-1,2	J1U	55	5	5	YES		15		N
		I4U	47	22	2	YES		3		G
5B	TB3-5,6	J2U	40	6	5	YES		15		N
6A	TB3-9,10	J3U	64	36	6	YES			X	N
6B	TB3-11,12	J3L	77	46	6	YES			X	N
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				

INPUT FILE POSITION LEGEND: J2L

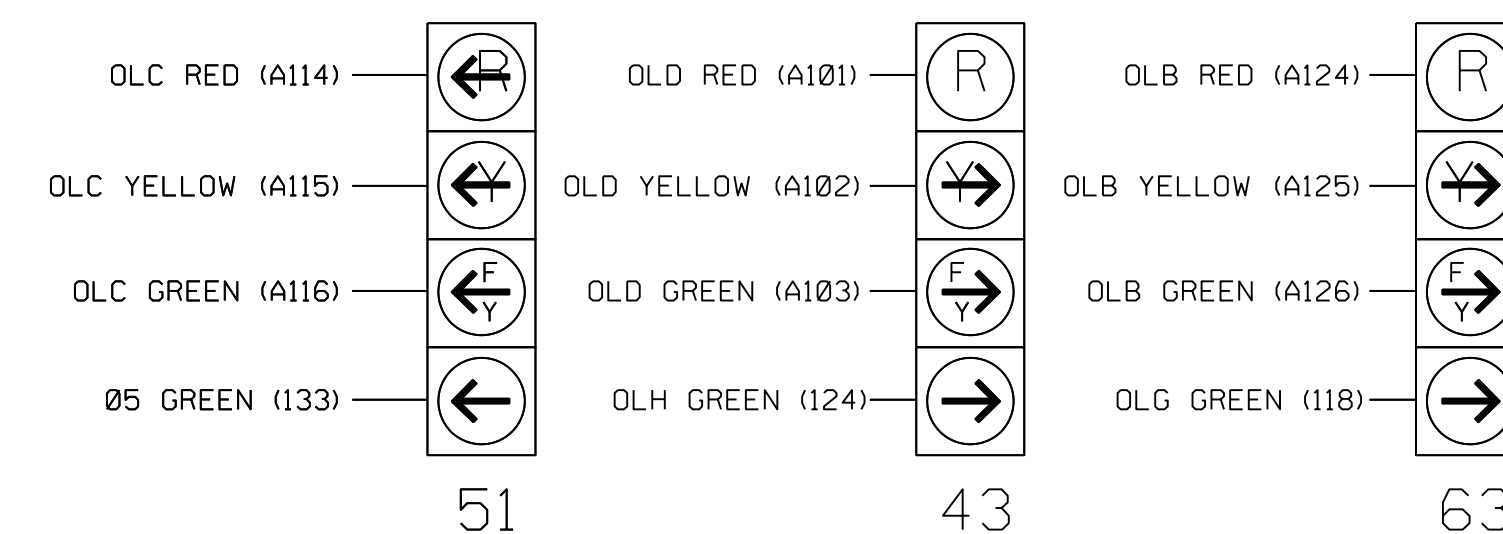


\* Add jumper from J1-W to I4-W, on rear of input file.

\* System detector only. Remove any assigned vehicle phase.

### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



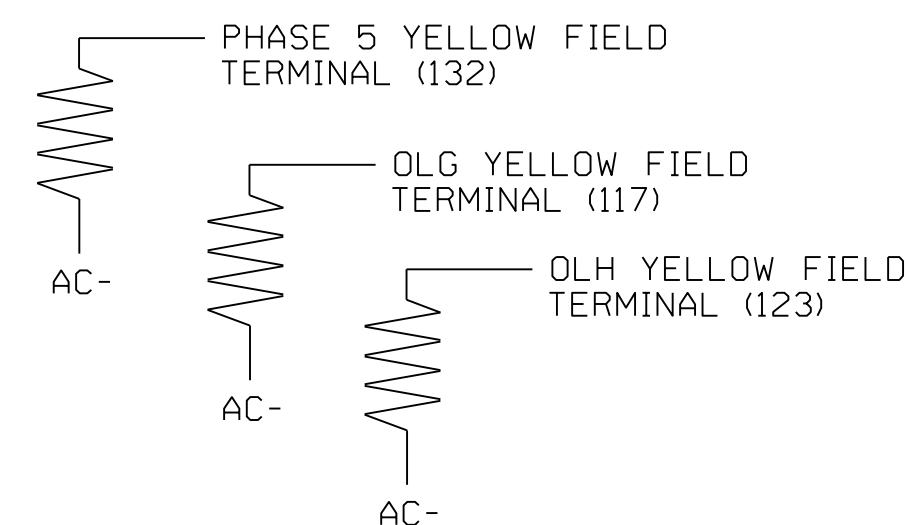
### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

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.

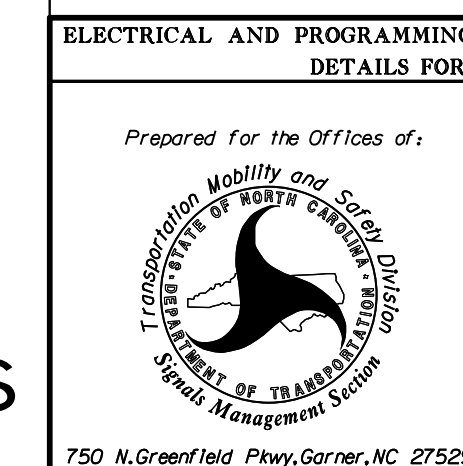
### LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



Final Signal Upgrade  
Electrical Detail - Sheet 1 of 2



SR 1102 (Gillis Hill Road)  
at  
Shopping Center Driveway

Division 6	Cumberland County	Fayetteville
PLAN DATE: January 2022	REVIEWED BY: J. Reid	
PREPARED BY: C. Evans	REVIEWED BY:	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

