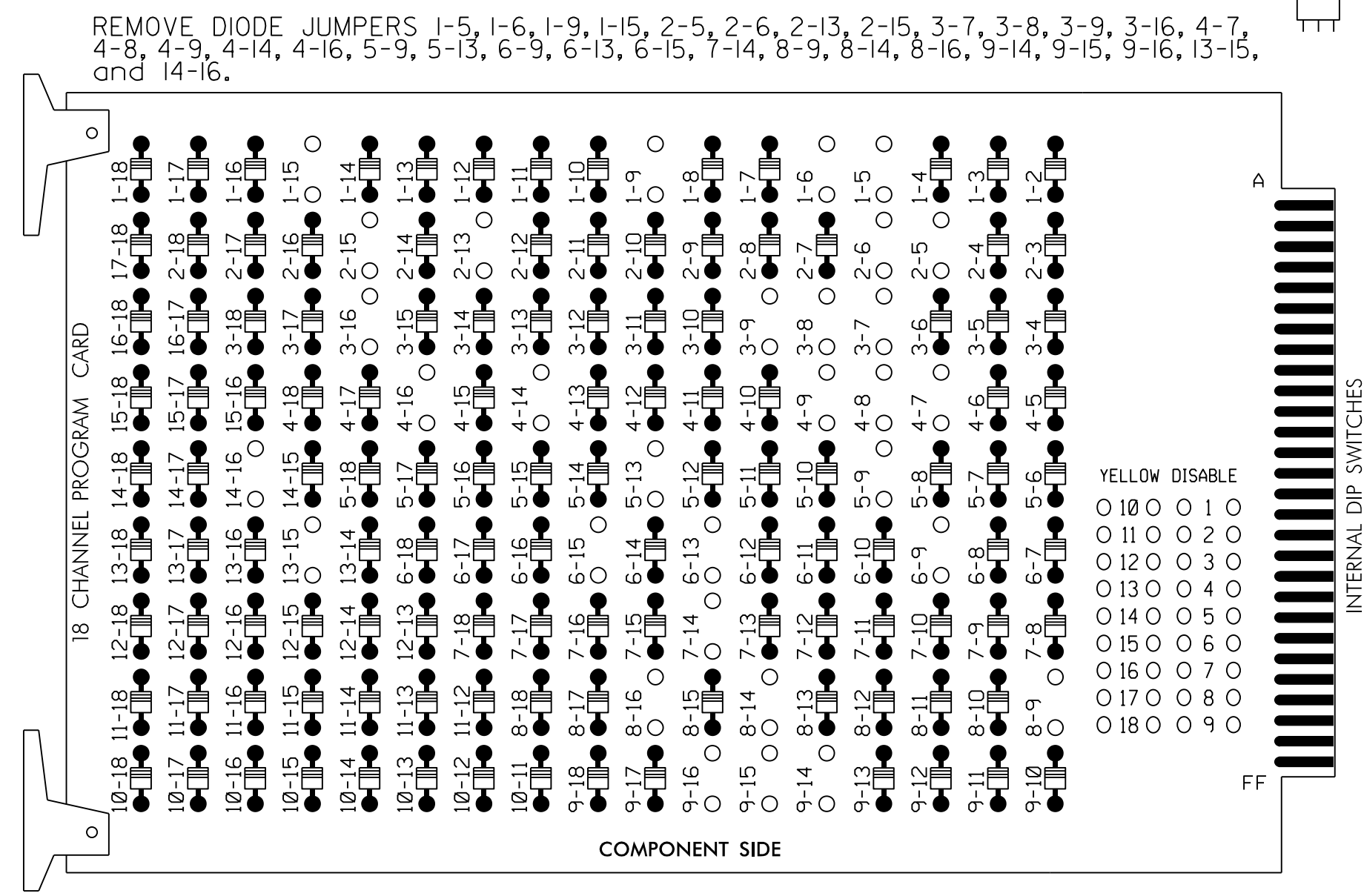


### EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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.

### 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.....Contractor Supplied  
ECONOLITE 2070LX  
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,S11,S12,AUX S1  
PHASES USED.....1,2,2PED,3,4,4PED,5,6,  
6PED,7,8,8PED  
OVERLAP A.....\*  
OVERLAP B.....NOT USED  
OVERLAP C.....NOT USED  
OVERLAP D.....NOT USED  
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	7	8	8 PED	OLA	OLB	OLE	OLC	OLD	OLF				
SIGNAL HEAD NO.	11,12	83,84	21,22, 23,24	P21, P22	31,32	23	41,42, 43	P41, P42	51,52	42	61,62, 63,64	P61, P62	71,72	63	81,82, 83	P81, P82	83,84	NU	NU	NU	NU	NU
RED			128			101					134				107		A121					
YELLOW			129			102					135				108							
GREEN			130			103					136				109							
RED ARROW	125					116					131											
YELLOW ARROW	126					117	117				132	132										A122
FLASHING YELLOW ARROW																						A123
GREEN ARROW	127	127				118	118				133	133										124
Hand icon						113					104											119
Person icon						115					106											112

NU = Not Used

\* See pictorial of head wiring in detail this sheet.

### COUNTDOWN PEDESTRIAN SIGNAL OPERATION

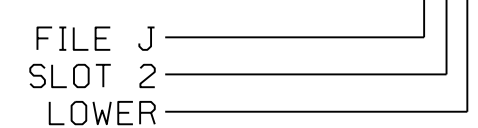
Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

### INPUT FILE 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	TB2-1,2	I1U	56	1	1	YES				S
1B	TB2-3,4	I1L	56	1	1	YES				S
1C	TB2-5,6	I2U	39	2	1	YES		15		S
1D	TB2-7,8	I2L	43	12	1	YES		15		S
2A	TB2-9,10	I3U	63	32	2	YES			X	N
2B	TB2-11,12	I3L	76	42	2	YES			X	N
2C	TB4-1,2	I4U	47	22	2	YES			X	N
3A	TB4-5,6	I5U	58	3	3	YES				S
3B	TB4-7,8	I5L	58	3	3	YES				S
4A	TB4-9,10	I6U	41	4	4	NO				N
4B	TB4-11,12	I6L	45	14	4	NO				N
4C	TB6-1,2	I7U	65	34	4	YES	2.0	5		G
4D	TB6-3,4	I7L	78	44	4	YES	2.0	5		G
5A	TB3-1,2	J1U	55	5	5	YES				S
5B	TB3-3,4	J1L	55	5	5	YES				S
5C	TB3-5,6	J2U	40	6	5	YES		15		S
6A	TB3-9,10	J3U	64	36	6	YES			X	N
6B	TB3-11,12	J3L	77	46	6	YES			X	N
6C	TB5-1,2	J4U	48	26	6	YES			X	N
7A	TB5-5,6	J5U	57	7	7	YES				S
7B	TB5-7,8	J5L	57	7	7	YES				S
8A	TB5-9,10	J6U	42	8	8	NO				N
8B	TB5-11,12	J6L	46	18	8	NO				N
8C	TB7-1,2	J7U	66	38	8	YES	2.0	5		G
8D	TB7-3,4	J7L	79	48	8	YES	2.0	5		G
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				
P81,P82	TB8-8,9	I13L	70	PED 8	8	PED				

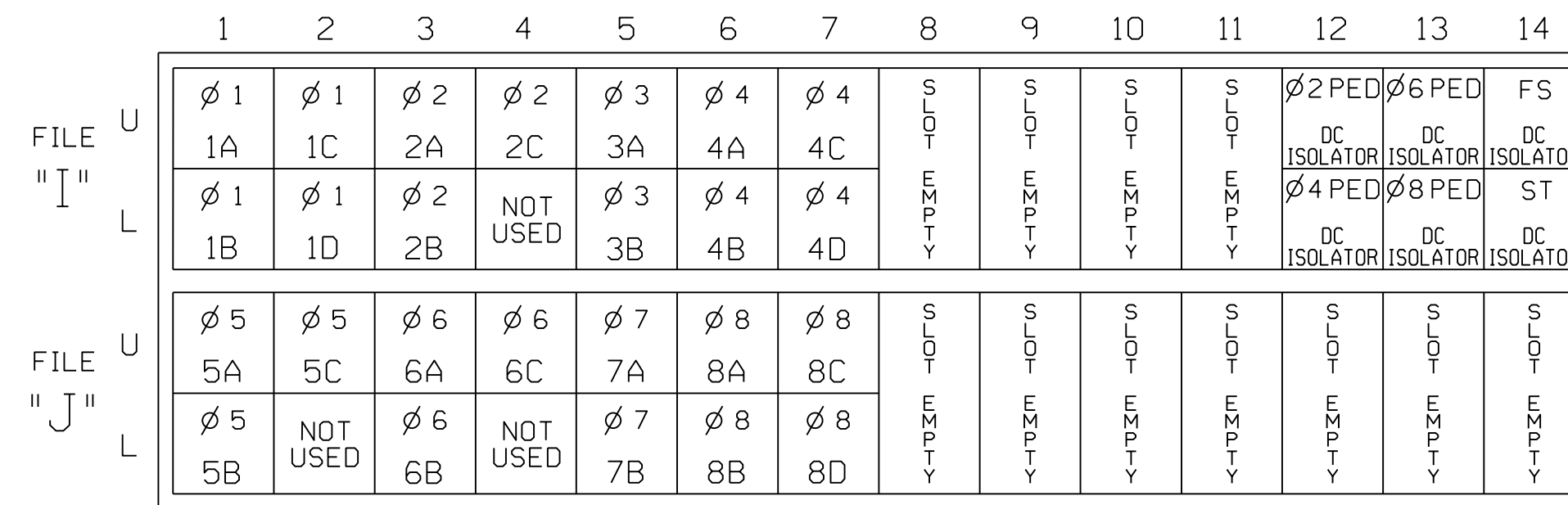
NOTE:  
INSTALL DC ISOLATORS  
IN INPUT FILE SLOTS  
112 AND 113.

INPUT FILE POSITION LEGEND: J2L



### INPUT FILE POSITION LAYOUT

(front view)

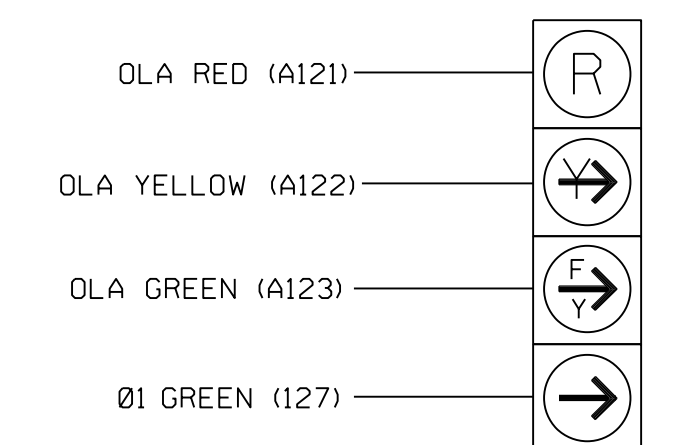


EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
ST = STOP TIME

### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



83,84

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 06-0274  
DESIGNED: March 2018  
SEALED: 03-29-2018  
REVISED: N/A

Final Design  
Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

US 401 (Raeford Road)  
at  
NC 162 (Bunce Road) /  
SR 1411 (Bunce Road)

Division 6 Cumberland County Fayetteville

PLAN DATE: March 2018 REVIEWED BY: L Overn

PREPARED BY: G B Spell REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER

LAURENCE E. OVERN

045933

3/29/2018

SIG. INVENTORY NO. 06-0274