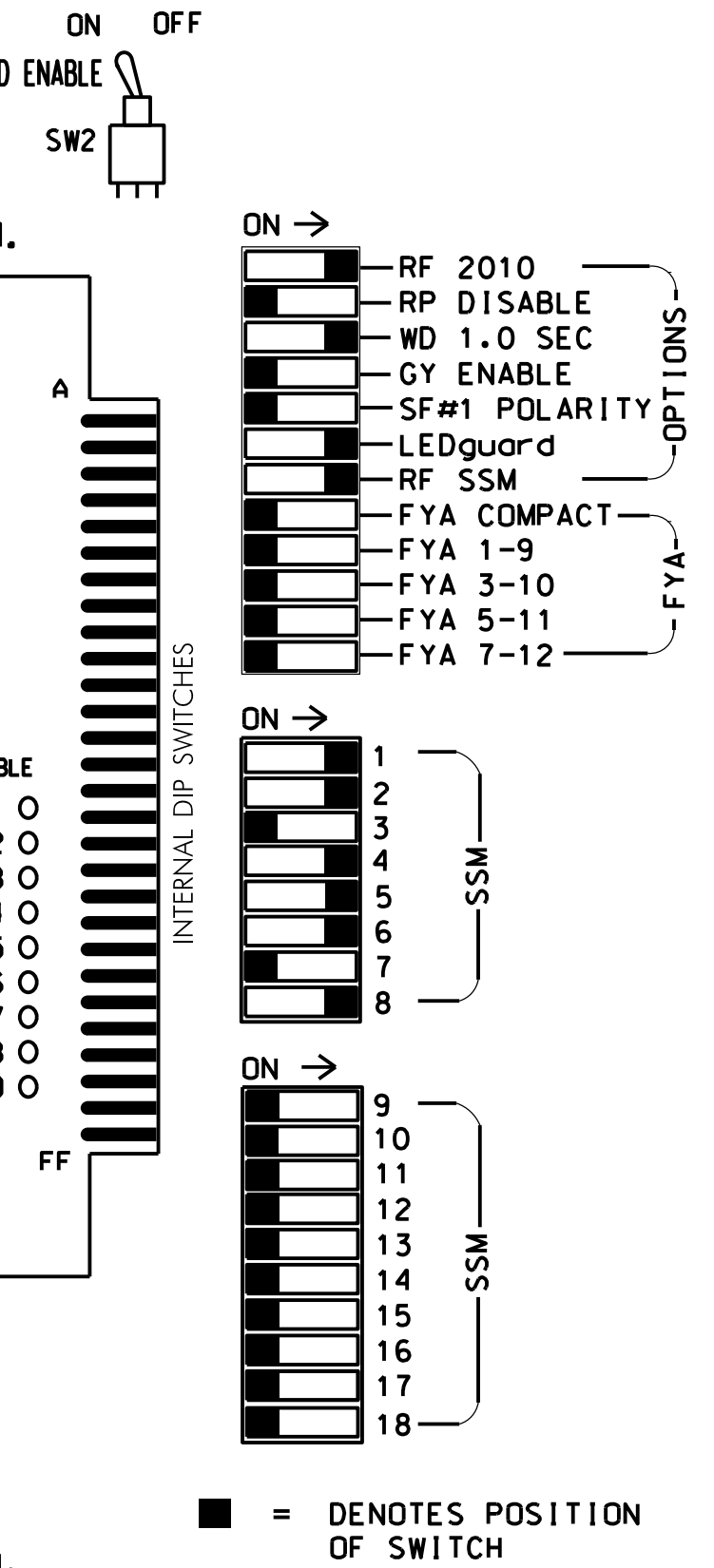
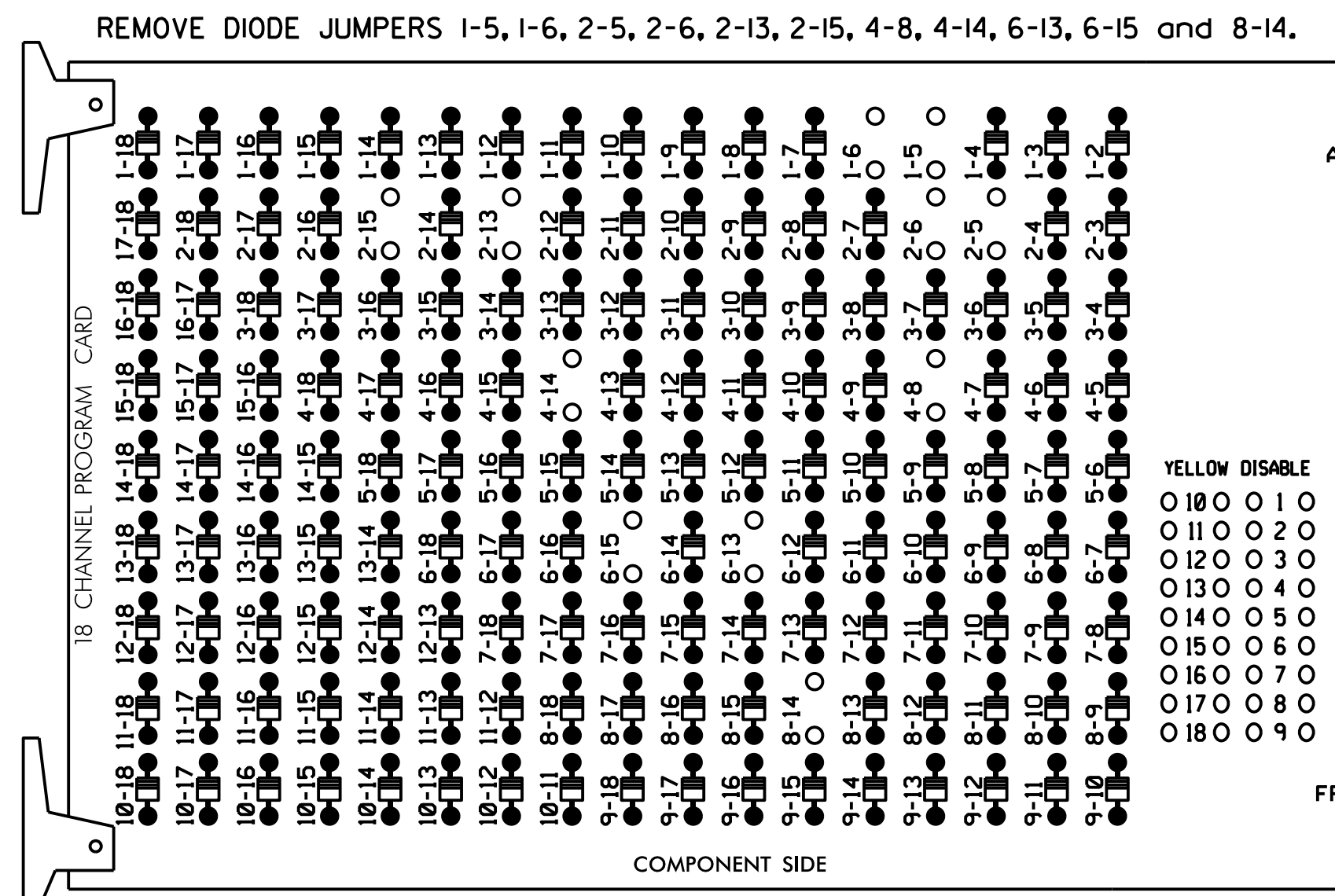


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR

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 phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Fayetteville Signal System.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown flashing "DON'T WALK" time only.
- Program phases 2, 6 and 4 for 'STARTUP PED CALL'.
- Program the audible pedestrian signal control board in pedestrian signal heads P21, P22, P61 and P62 for a CHIRP sound during the WALK interval.
- Program the audible pedestrian signal control board in pedestrian signal heads P41, P42, P43 and P44 for a Cuckoo sound during the WALK interval.

EQUIPMENT INFORMATION

CONTROLLER.....2070E  
 CABINET.....332  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S3,S5,S6,S7,S8,S9,S11  
 PHASES USED.....1,2,4,5,6,8,2PED,4PED,6PED  
 OVERLAPS.....NONE

SIGNAL HEAD HOOK-UP CHART

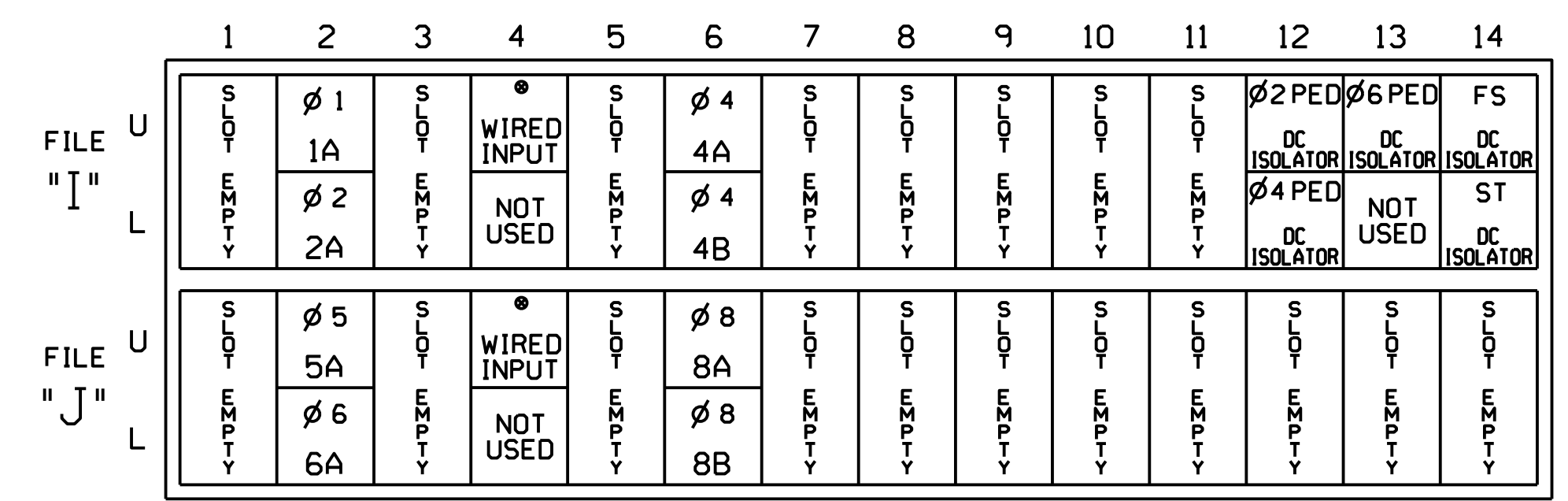
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	61	22	P21, P22	NU	41, 42	P41, P42, P43, P44	21	61, 62	P61, P62	NU	81, 82	NU
RED	*	128			101		*	134			107	
YELLOW		129			102			135			108	
GREEN		130			103			136			109	
RED ARROW												
YELLOW ARROW	126						132					
GREEN ARROW	127						133					
Hand icon			113			104			119			
Walking person icon			115			106			121			

NU = Not Used

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

INPUT FILE POSITION LAYOUT

(front view)



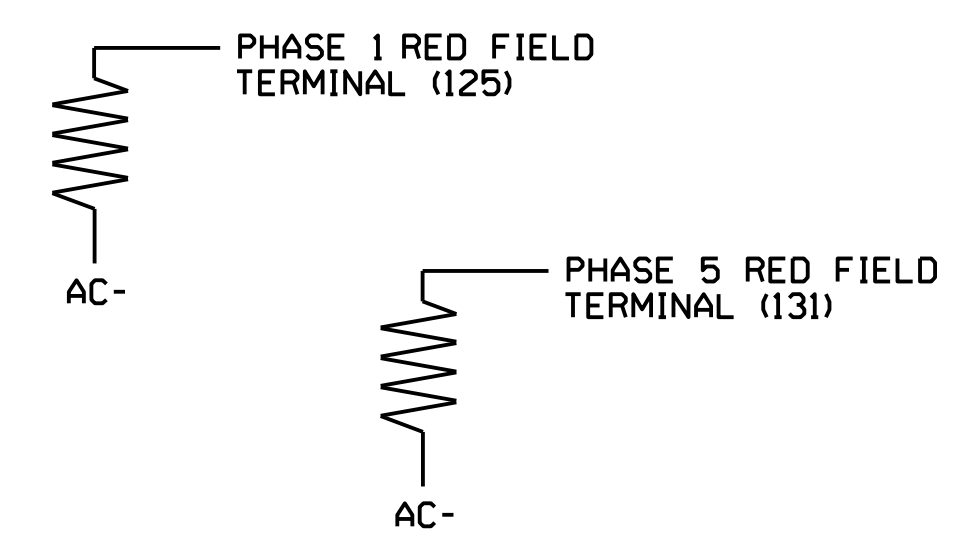
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

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

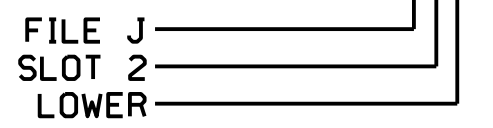


INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
1A	TB2-1,2	I2U	39	2	1	YES		15	S
	-	J4U	48	26	6	YES		3	G
2A	TB2-5,6	I2L	43	12	2	YES			S
4A	TB4-9,10	I6U	41	4	4	YES		3	S
4B	TB4-11,12	I6L	45	14	4	YES			S
5A	TB3-1,2	J2U	40	6	5	YES		15	S
	-	I4U	47	22	2	YES		3	G
6A	TB3-5,6	J2L	44	16	6	YES			S
8A	TB5-9,10	J6U	42	8	8	YES		3	S
8B	TB5-11,12	J6L	46	18	8	YES			S
PED PUSH BUTTONS									
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED				
P41,P42, P43,P44	TB8-5,6	I12L	69	PED 4	4 PED				
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED				

- 'Add jumper from I2-F to J4-F.
- 'Add jumper from J2-F to I4-F.

INPUT FILE POSITION LEGEND: J2L



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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: C003  
 DESIGNED: NOVEMBER 2016  
 SEALED: 11/17/16  
 REVISED:

Electrical Detail

Prepared In the Offices of:  
**Hatch Mott MacDonald**  
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HULL ROAD  
 AT  
 DEVERS STREET-SKYE DRIVE

DIY 06 CUMBERLAND COUNTY FAYETTEVILLE

PLAN DATE: NOVEMBER 2016 REVIEWED BY: RWT

PREPARED BY: BLR REVIEWED BY:

REVISIONS	INIT.	DATE

DocuSigned by:  
**Russell W Thompson** 11/21/2016  
 SEAL 032711  
 RUSSELL W. THOMPSON  
 INGENIEUR  
 NORTH CAROLINA PROFESSIONAL SEAL

SIG. INVENTORY NO. C003

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