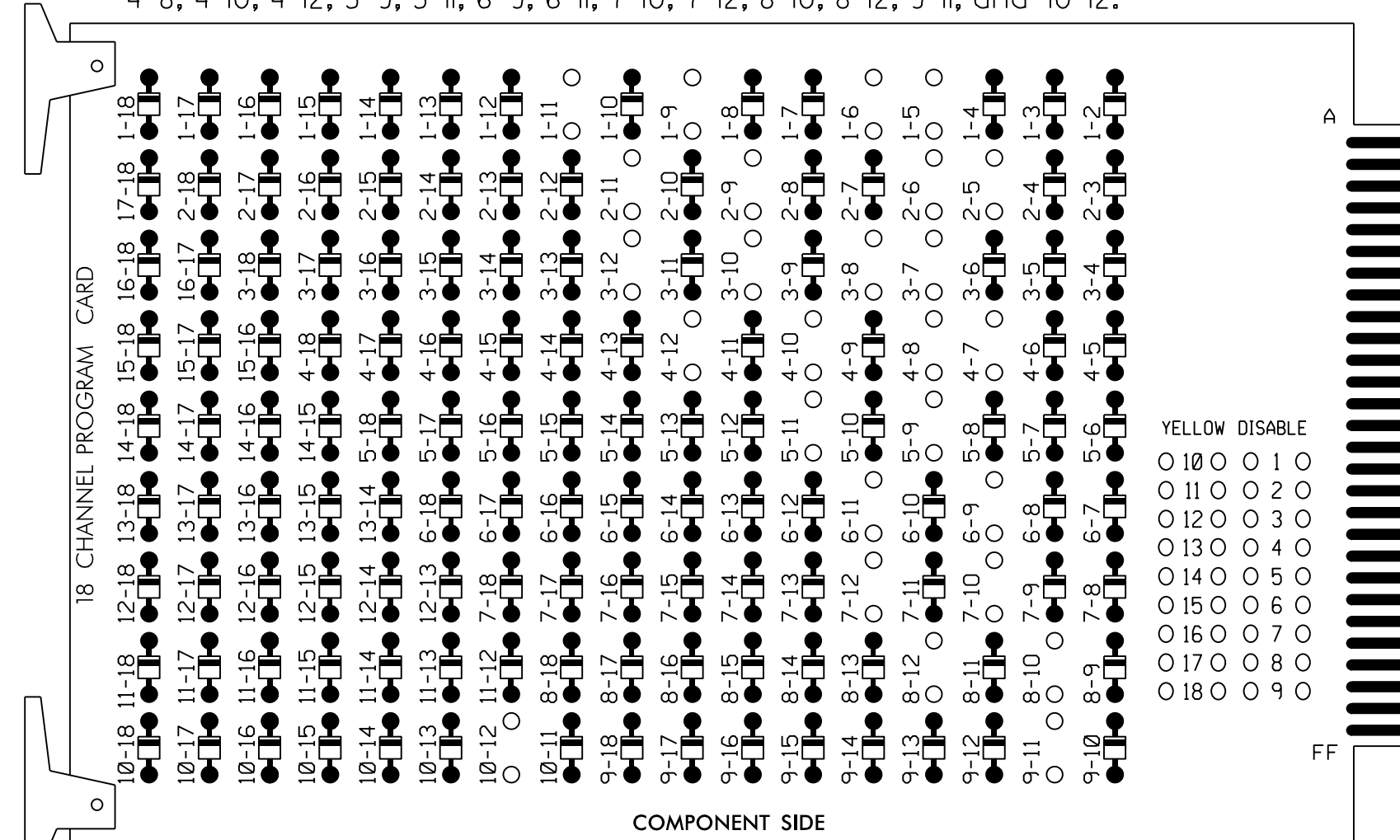


EDI MODEL 2018ECLIP-NC CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

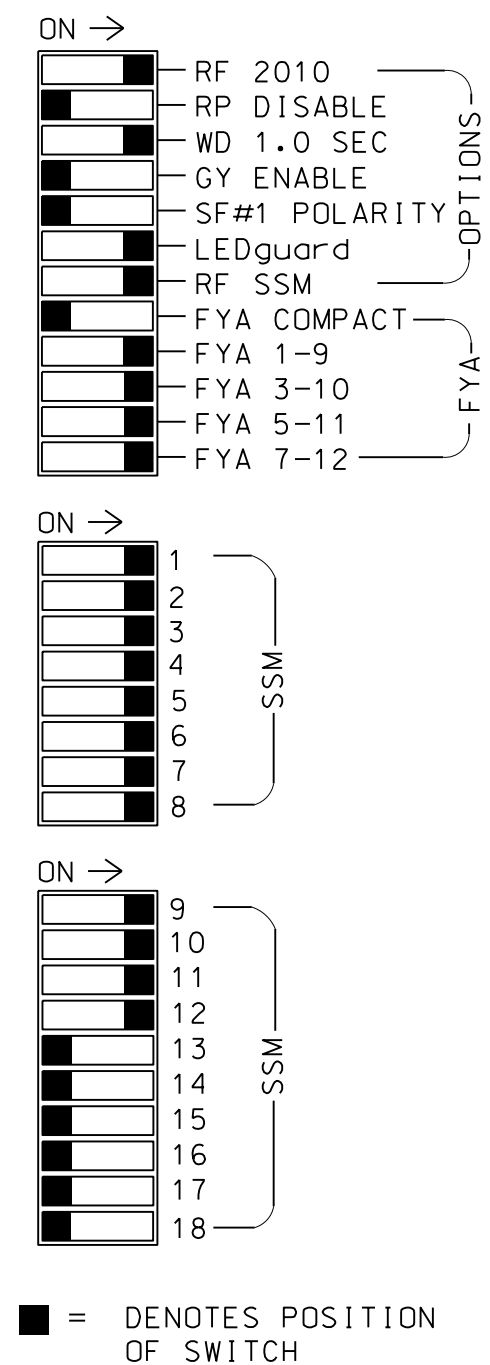
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 3-7, 3-8, 3-10, 3-12, 4-7, 4-8, 4-10, 4-12, 5-9, 5-11, 6-9, 6-11, 7-10, 7-12, 8-10, 8-12, 9-11, and 10-12.



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.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



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.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of Signal System # 10605.

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	SPARE	OLC	OLD	SPARE				
SIGNAL HEAD NO.	11★	82	21,22	NU	22	31★	41,42	NU	42	51★	61,62	NU	62	71★	81,82	NU	11★	31★	51★	71★	NU	
RED	*	128		*	101		*	134		*	107											
YELLOW		129			102			135			108											
GREEN		130			103			136			109											
RED ARROW															A121	A124		A114	A101			
YELLOW ARROW	126			117			132			123					A122	A125		A115	A102			
FLASHING YELLOW ARROW															A123	A126		A116	A103			
GREEN ARROW	127	127		118	118		133	133		124	124											

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 ★ See pictorial of head wiring below.

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.....S1,S2,S4,S5,S7,S8,S10,S11,
 AUX S1,AUX S2,AUX S4,AUX S5
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAP "A".....*
 OVERLAP "B".....*
 OVERLAP "C".....*
 OVERLAP "D".....*
 * See overlap programming detail on sheet 2

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
U	∅ 1 1A	NOT USED	∅ 2/SYS 2A/S21	∅ 3 3A	∅ 4 4A	∅ 5 5A	∅ 6/SYS 6A/S23	∅ 7 7A	∅ 8 8A	∅ 9 9A	∅ 10 10A	∅ 11 11A	∅ 12 12A	∅ 13 13A	FS DC ISOLATOR
L	NOT USED	∅ 1 1B	∅ 2/SYS 2B/S22	NOT USED	NOT USED	∅ 5 5B	∅ 6/SYS 6B/S24	NOT USED	NOT USED	∅ 9 9B	∅ 10 10B	∅ 11 11B	∅ 12 12B	∅ 13 13B	ST DC ISOLATOR

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

FS = FLASH SENSE
 ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

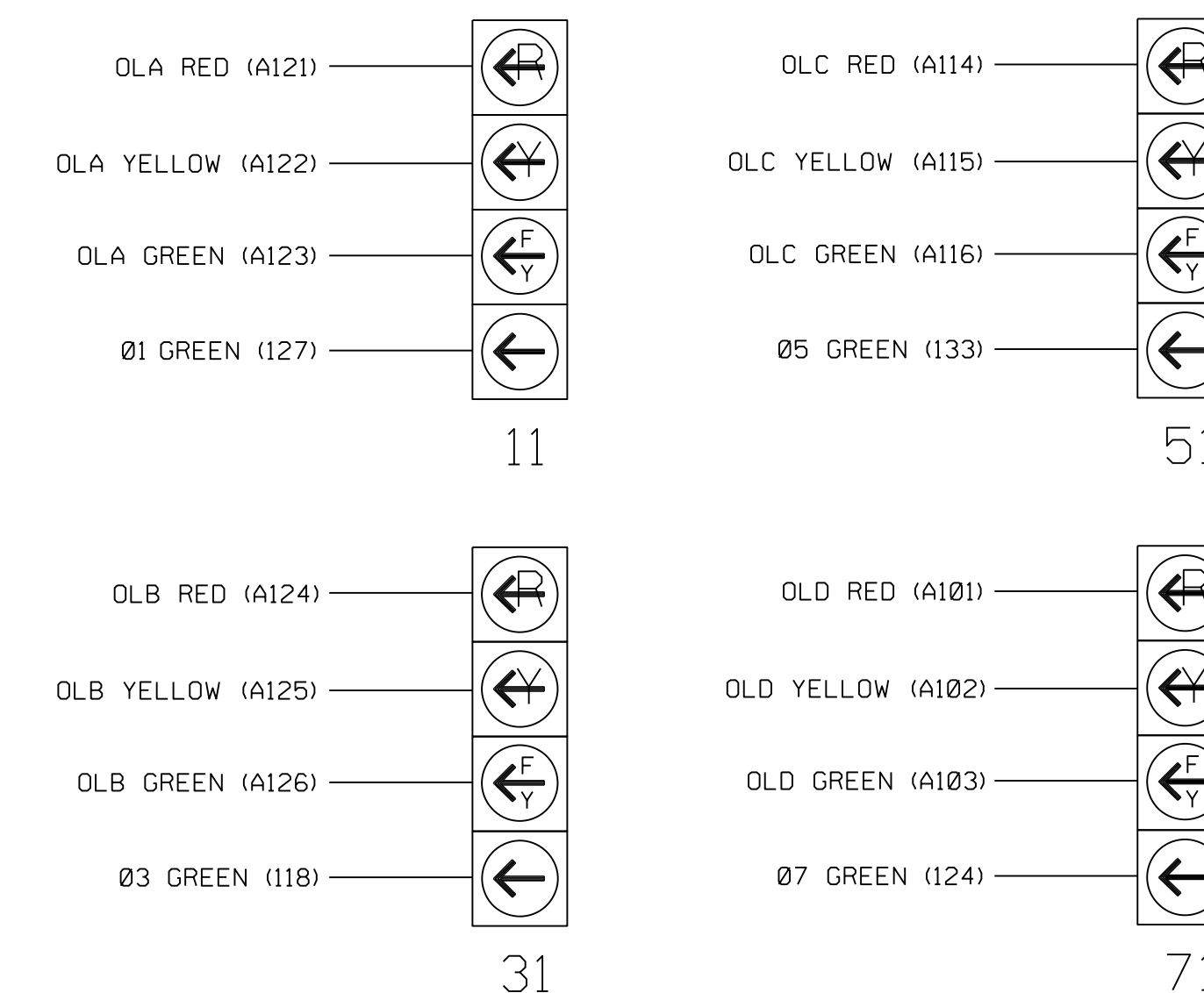
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A ¹	TB2-1,2	I1U	56	1	1	YES		15		N
	-	J4U	48	26	6	YES		3		G
1B	TB2-7,8	I2L	43	12	1	YES		15		N
2A/S21	TB2-9,10	I3U	63	32	2/SYS	YES			X	N
2B/S22	TB2-11,12	I3L	76	42	2/SYS	YES			X	N
3A ²	TB4-5,6	I5U	58	3	3	YES		15		N
	-	J8U	50	28	8	YES		2		N
4A	TB6-1,2	I7U	65	34	4	YES				N
5A ³	TB3-1,2	J1U	55	5	5	YES		15		N
	-	I4U	47	22	2	YES		3		G
5B	TB3-7,8	J2L	44	16	5	YES		15		N
6A/S23	TB3-9,10	J3U	64	36	6/SYS	YES			X	N
6B/S24	TB3-11,12	J3L	77	46	6/SYS	YES			X	N
7A ⁴	TB5-5,6	J5U	57	7	7	YES		15		N
	-	I8U	49	24	4	YES		2		N
8A	TB7-1,2	J7U	66	38	8	YES				N

- Add jumper from I1-W to J4-W, on rear of input file.
- Add jumper from I5-W to J8-W, on rear of input file.
- Add jumper from J1-W to I4-W, on rear of input file.
- Add jumper from J5-W to I8-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L
 FILE J
 SLOT 2
 LOWER

FYA SIGNAL WIRING DETAIL

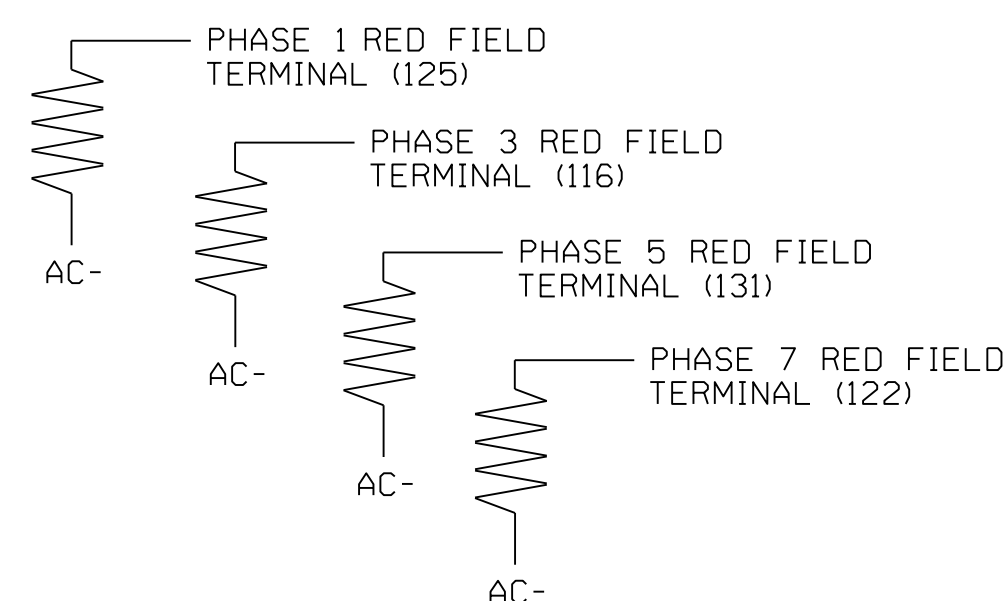
(wire signal heads as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1273
 DESIGNED: January 2014
 SEALED: 05/15/20
 REVISED:

ELECTRICAL DETAIL SHEET 1 OF 2

SEPI Engineering & Construction, Inc. 1 Glenwood Avenue, Raleigh, NC 27603, Tel: 919.789.9977, Fax: 919.789.9591, License: C-2197

NC 130 (Love Mill Road) at SR 1973 (Leslie Newsome Ave.) / Entrance to Lowe's

Division 6, Columbus County, Whiteville

PLAN DATE: APRIL 2020, REVIEWED BY: J. Rowe

PREPARED BY: M. Cople, REVIEWED BY:

DocuSigned by: Matthew Cople, 2020/04/16 10:48:46 AM

SIG. INVENTORY NO. 06-1273