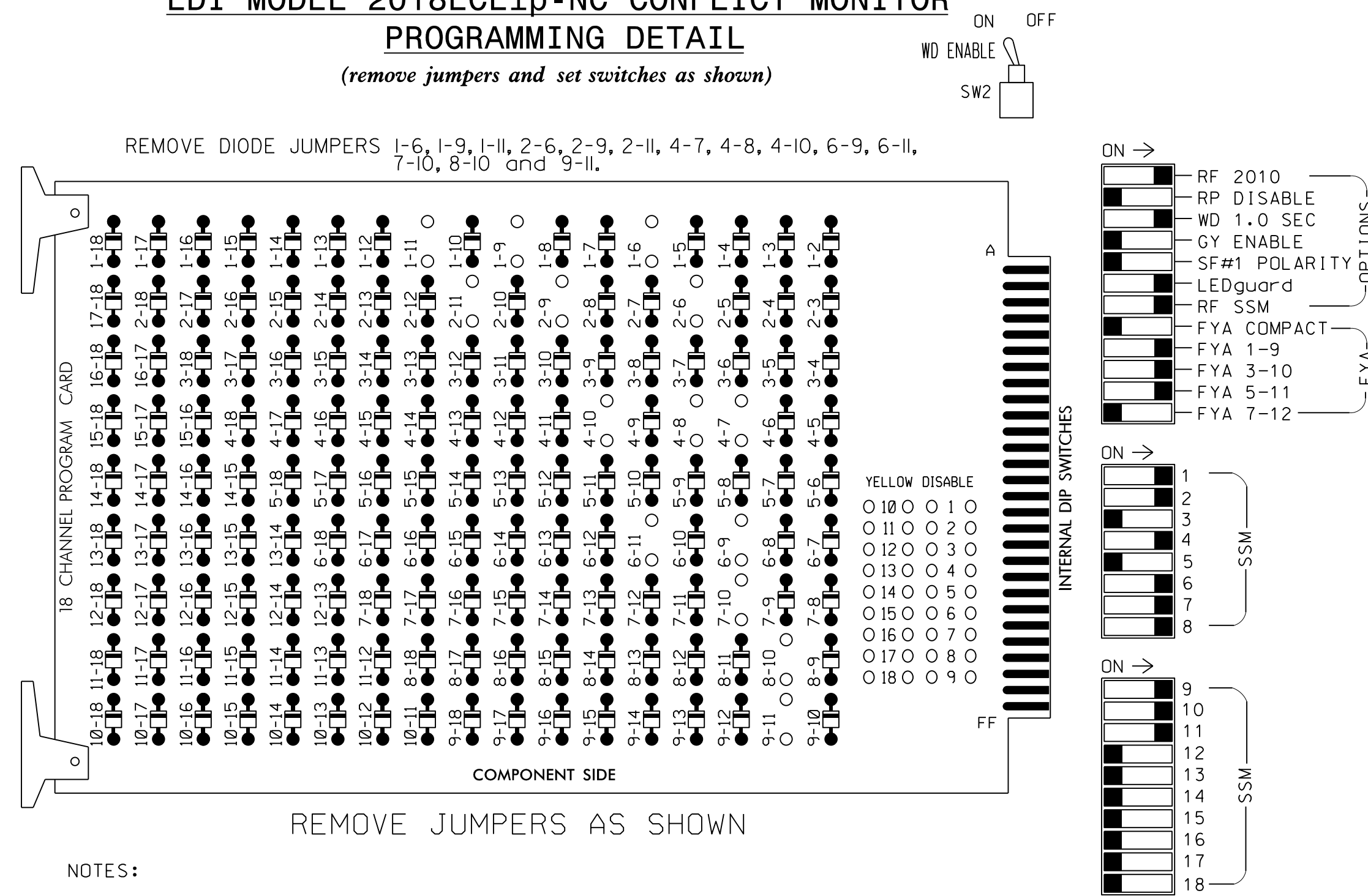


EDI MODEL 2018EClip-NC CONFLICT MONITOR
PROGRAMMING DETAIL

(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.
- 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 phase 4 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.

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,S5,S8,S10,S11,
 AUX S1,AUX S2,AUX S4
 PHASES USED.....1,2,4,6,7,8
 OVERLAP "A".....*
 OVERLAP "B".....*
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

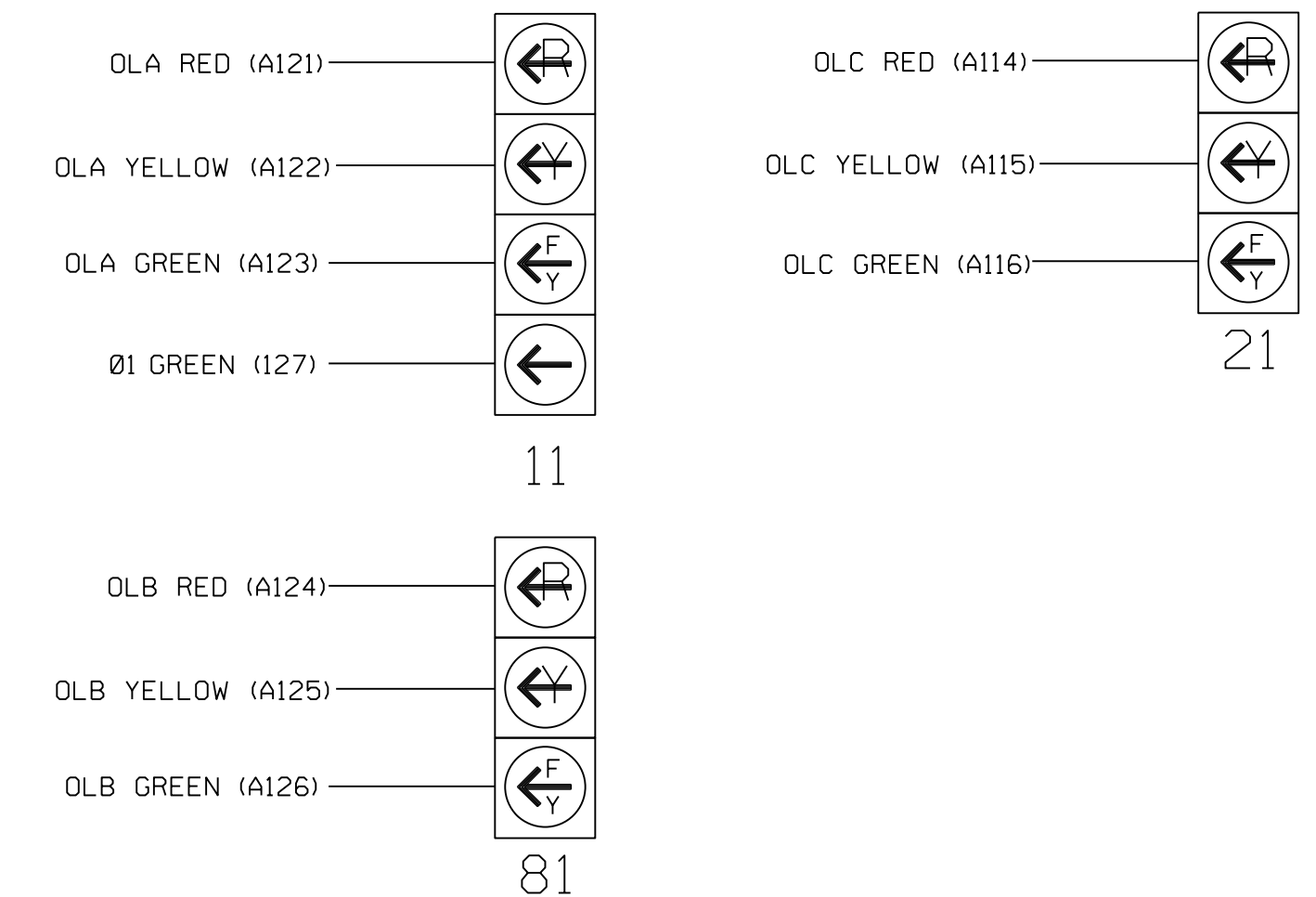
SIGNAL HEAD HOOK-UP CHART

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	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	11*	83	22,23	NU	NU	41,42	NU	NU	61,62	NU	62	71,72	82,83	NU	11*	81*	NU	21*	NU
RED	*	128			101			134				107							
YELLOW		129			102			135				108							
GREEN		130			103			136				109							
RED ARROW												122		A121	A124			A114	
YELLOW ARROW	126										123	123		A122	A125			A115	
FLASHING YELLOW ARROW														A123	A126			A116	
GREEN ARROW	127	127								124	124								

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

4 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

FILE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
U	Ø 1	Ø 1	Ø 2	Ø 2	S	Ø 4	Ø 4	S	SYS. DET. S25	S	S	S	S	FS
I	1A	1B	2A	2C	STOP	4A	4C	STOP	S25	STOP	STOP	STOP	STOP	DC ISOLATOR
L	NOT USED	Ø 1	Ø 2	NOT USED	STOP	Ø 4	NOT USED	STOP	S26	STOP	STOP	STOP	STOP	DC ISOLATOR
U	STOP	Ø 6	STOP	STOP	Ø 7	Ø 7	Ø 8	STOP	SYS. DET. S27	S	S	S	S	S
J	STOP	6A	STOP	STOP	7A	7B	8A	STOP	S27	STOP	STOP	STOP	STOP	STOP
L	STOP	NOT USED	STOP	STOP	NOT USED	NOT USED	Ø 8	STOP	S28	STOP	STOP	STOP	STOP	STOP
	STOP	STOP	STOP	STOP	STOP	8B	STOP	STOP	STOP	STOP	STOP	STOP	STOP	STOP

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

FS = FLASH SENSE
 ST = STOP TIME

⊗ Wired Input - Do not populate slot with detector card

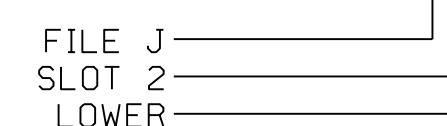
INPUT FILE CONNECTION & PROGRAMMING CHART

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		2		G
1B	TB2-5,6	I2U	39	2	1	YES		15		N
1C	TB2-7,8	I2L	43	12	1	YES		15		N
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		2		G
4A	TB4-9,10	I6U	41	4	4	YES				N
4B	TB4-11,12	I6L	45	14	4	YES		15		N
4C	TB6-1,2	I7U	65	34	4	YES		15		N
*S25	TB6-9,10	I9U	60	11	SYS	NO				N
*S26	TB6-11,12	I9L	62	13	SYS	NO				N
6A	TB3-5,6	J2U	40	6	6	YES			X	N
7A	TB5-5,6	J5U	57	7	7	YES		2		N
7B	TB5-9,10	J6U	42	8	7	YES				N
8A	TB7-1,2	J7U	66	38	8	YES		2		N
8B	TB7-3,4	J7L	79	48	8	YES				N
*S27	TB7-9,10	J9U	59	15	SYS	NO				N
*S28	TB7-11,12	J9L	61	17	SYS	NO				N

* System detector only. Remove any assigned vehicle phase.

¹Add jumper from I1-W to J4-W, on rear of input file.

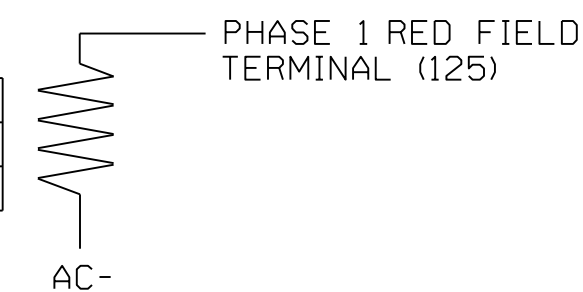
INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

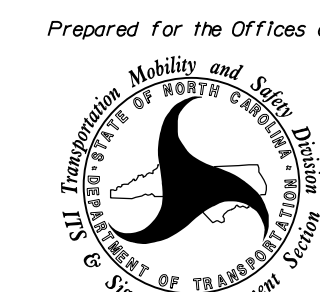
(install resistors as shown below)

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



ELECTRICAL DETAIL SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:



SEPI
 Engineering & Construction, Inc.

1 Glenwood Avenue
 Raleigh, NC 27603
 Tel: 919.789.9977
 Fax: 919.789.9591
 License: C-2197

US 701 Business
 (South Madison Street)
 at
 SR 1973 (Leslie Newsome Avenue)

Division 6 Columbus County Whiteville

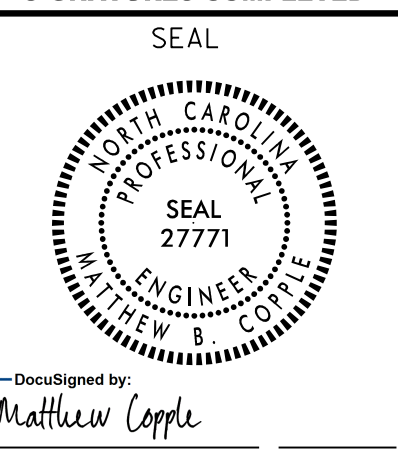
PLAN DATE: APRIL 2020 REVIEWED BY: J. Rowe

PREPARED BY: M. Copple REVIEWED BY:

REVISIONS INIT. DATE

DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SIG. INVENTORY NO. 06-1272