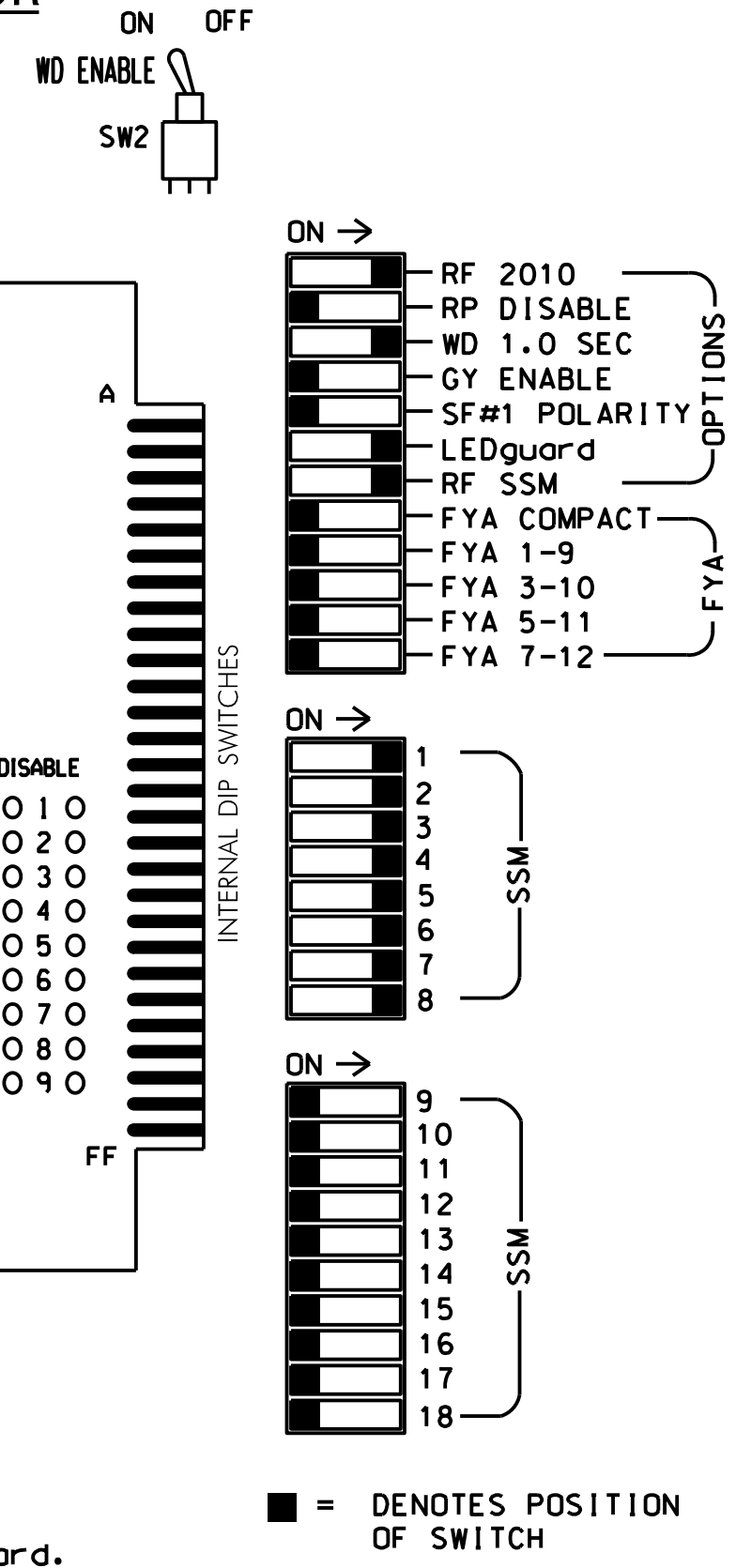
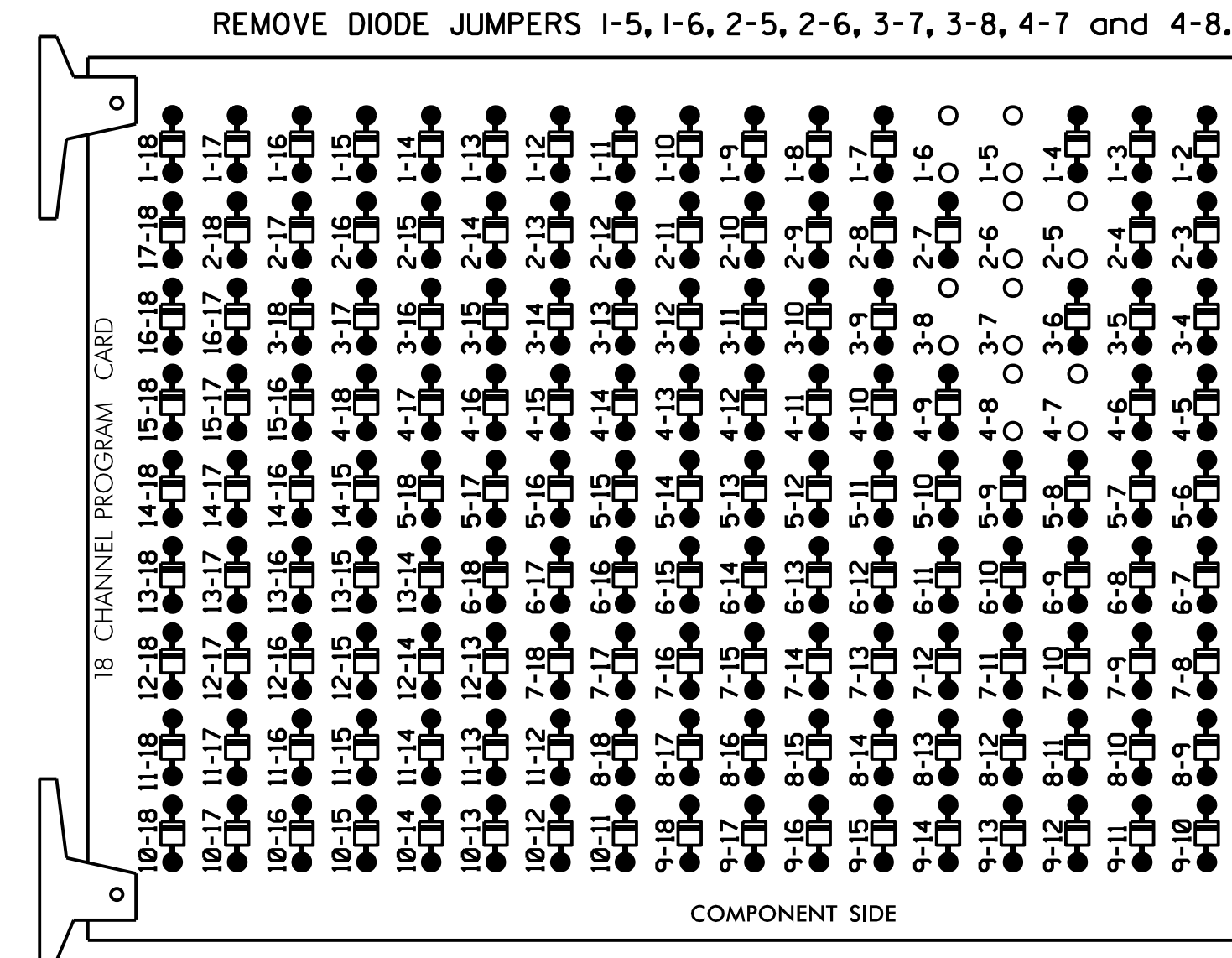


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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 controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the Belmont Signal System.

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	21,22	NU	31	41,42	NU	51	61,62, 63,64	NU	71	81,82	NU	NU	NU	NU	NU	NU	NU
RED		128			101			134			107							
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW	125			116			131			122								
YELLOW ARROW	126			117			132			123								
GREEN ARROW	127			118			133			124								

NU = Not Used

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
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAPS.....NONE

INPUT FILE POSITION LAYOUT

(front view)

FILE "I"	1	2	3	4	5	6	7	8	9	10	11	12	13	14
∅ 1	∅ 2/SYS	∅ 2/SYS	S	∅ 3	∅ 4	S	S	SYS. DET. S55	S	S	S	S	S	FS
1A	2A/S1	2C/S3	∅ 2/SYS	3A	4A	∅ 2/SYS	∅ 2/SYS	SYS. DET. S56	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	DC ISOLATOR
NOT USED	∅ 2/SYS	NOT USED	∅ 2/SYS	NOT USED	∅ 4	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	∅ 2/SYS	ST
	2B/S2				4B									DC ISOLATOR

FILE "J"	5	6	7	8	9	10	11	12	13	14
∅ 5	∅ 6/SYS	∅ 6/SYS	∅ 7	∅ 8	S	S	SYS. DET. S57	S	S	S
5A	6A/S4	6C/S6	7A	8A	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS
NOT USED	∅ 6/SYS	NOT USED	NOT USED	NOT USED	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS	∅ 6/SYS
	6B/S5				NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

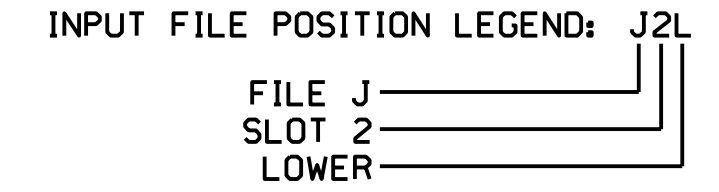
EX.: 1A, 2A, ETC. = LOOP NO.'S

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
1A	TB2-1,2	I1U	56	1	1	YES				S
2A/S1	TB2-5,6	I2U	39	2	2/SYS	YES			X	N
2B/S2	TB2-7,8	I2L	43	12	2/SYS	YES			X	N
2C/S3	TB2-9,10	I3U	63	32	2/SYS	YES			X	N
3A	TB4-5,6	I5U	58	3	3	YES		3		S
4A	TB4-9,10	I6U	41	4	4	YES				S
4B	TB4-11,12	I6L	45	14	4	YES				S
* S55	TB6-9,10	I9U	60	11	SYS	NO				N
* S56	TB6-11,12	I9L	62	13	SYS	NO				N
5A	TB3-1,2	J1U	55	5	5	YES				S
6A/S4	TB3-5,6	J2U	40	6	6/SYS	YES			X	N
6B/S5	TB3-7,8	J2L	44	16	6/SYS	YES			X	N
6C/S6	TB3-9,10	J3U	64	36	6/SYS	YES			X	N
7A	TB5-5,6	J5U	57	7	7	YES		3		S
8A	TB5-9,10	J6U	42	8	8	YES				S
* S57	TB7-9,10	J9U	59	15	SYS	NO				N

* System detector only. Remove any assigned vehicle phase.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0561
 DESIGNED: December 2018
 SEALED: February 7, 2019
 REVISED: N/A

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Prepared in the Office of:

NC FIRM LICENSE No: P-0339
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 Hillsborough, NC 27278
 (919) 732-3883
 (919) 732-6676 (FAX)

Electrical Detail

Prepared For:

US 29-74 (Wilkinson Boulevard)
 at
 NC 7 (North Main Street)

Division 12 Gaston County Belmont

PLAN DATE: December 2018 REVIEWED BY:

PREPARED BY: J. Smith REVIEWED BY: E. Sirgany

REVISIONS	INIT.	DATE

DocuSign by: Edward W. Sirgany 2/7/2019

SIG. INVENTORY NO. 12-0561

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED