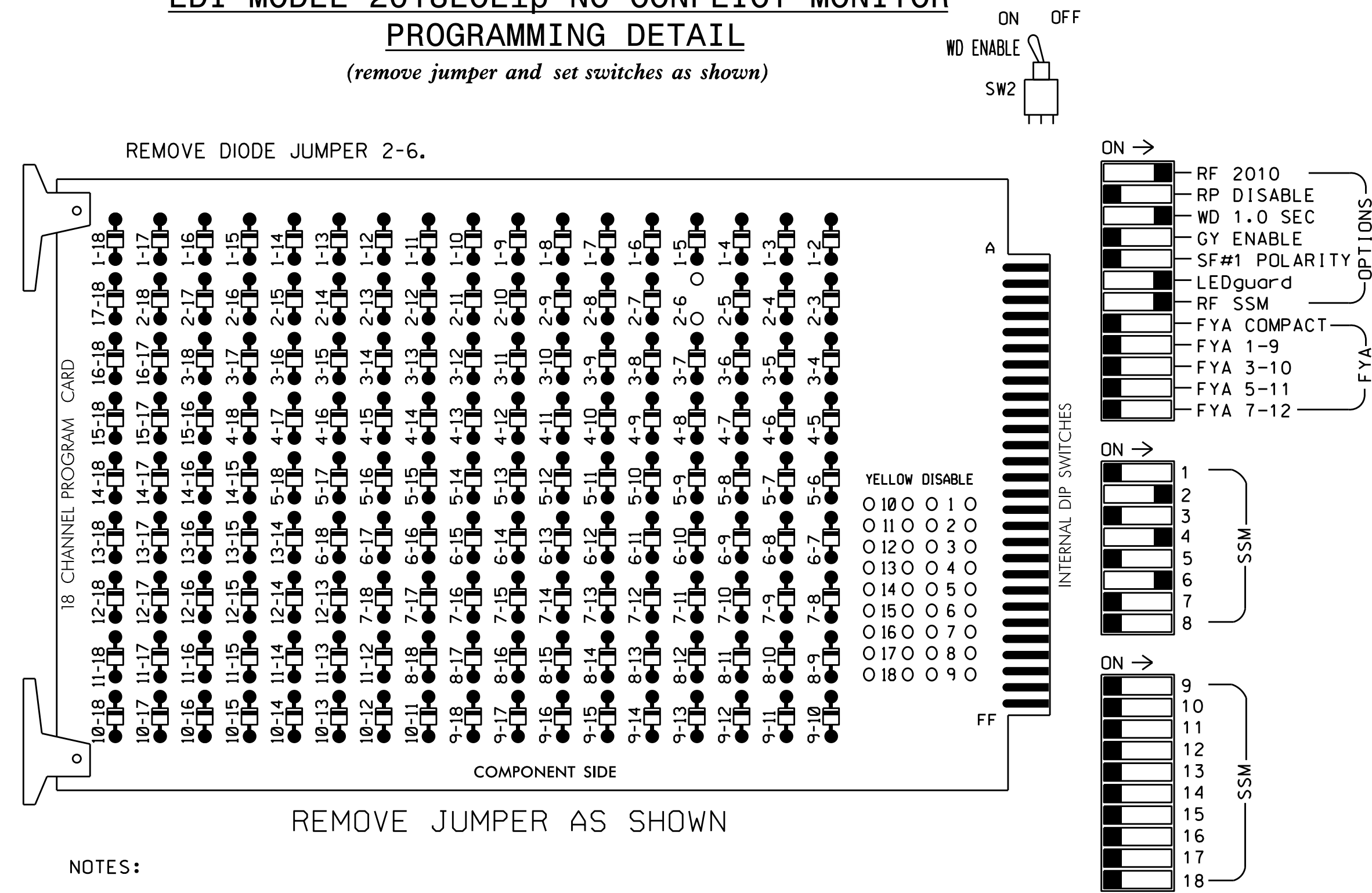


**EDI MODEL 2018EClip-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumper and set switches as shown)



**NOTES:**

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

**NOTES**

1. 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.
2. Enable Simultaneous Gap-Out for all Phases.
3. Program phases 2 and 6 for volume density operation.
4. Program controller to start up in phase 2 Green and 6 Green.
5. The cabinet and controller are part of the Concord City Signal System.

**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.	NU	21,22	NU	NU	41,42	43,44	NU	NU	61,62	63	NU	NU
RED		128			101	101			134			
YELLOW		129			102				135			
GREEN		130			103				136			
RED ARROW												
YELLOW ARROW						102						
GREEN ARROW						103						

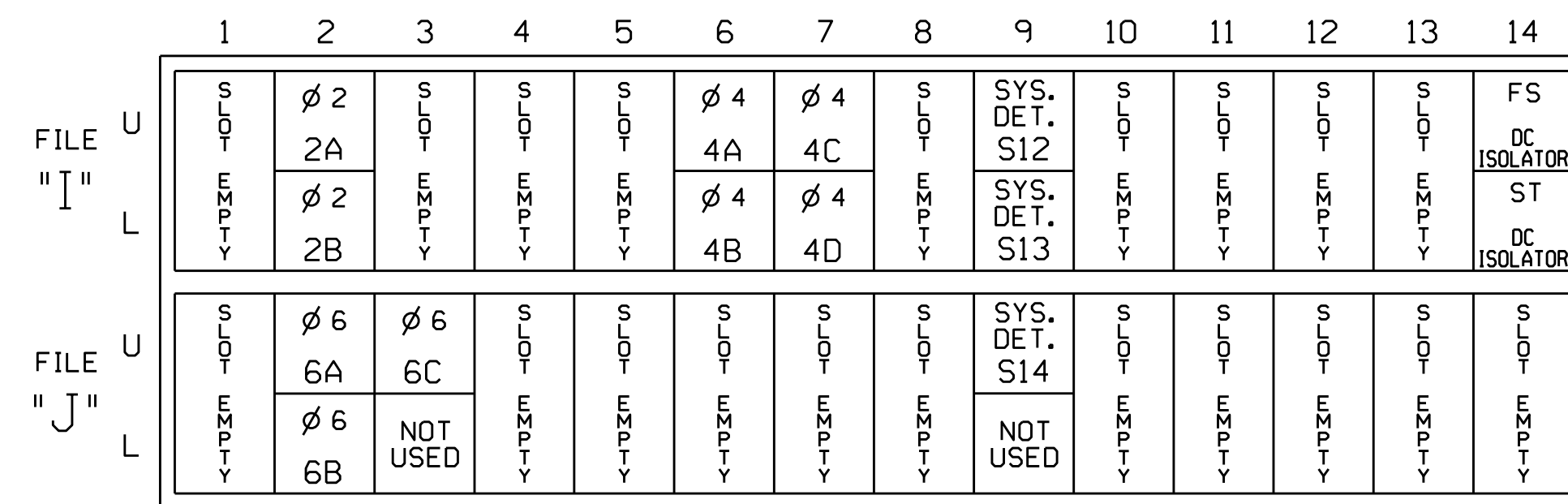
NU = Not Used

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....332  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S5,S8  
 PHASES USED.....2,4,6  
 OVERLAPS.....NONE

**INPUT FILE POSITION LAYOUT**

(front view)



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

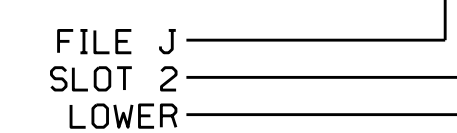
FS = FLASH SENSE  
 ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	DETECTOR TYPE
2A	TB2-5,6	I2U	39	2	2	YES			S
2B	TB2-7,8	I2L	43	12	2	YES			S
4A	TB4-9,10	I6U	41	4	4	YES			S
4B	TB4-11,12	I6L	45	14	4	YES			S
4C	TB6-1,2	I7U	65	34	4	YES		15	S
4D	TB6-3,4	I7L	78	44	4	YES		15	S
6A	TB3-5,6	J2U	40	6	6	YES			S
6B	TB3-7,8	J2L	44	16	6	YES			S
6C	TB3-9,10	J3U	64	36	6	YES			S
* S12	TB6-9,10	I9U	60	11	SYS	NO			N
* S13	TB6-11,12	I9L	62	13	SYS	NO			N
* S14	TB7-9,10	J9U	59	15	SYS	NO			N

\* System detector only. Remove the vehicle phase assigned to this detector in the default programming.

**INPUT FILE POSITION LEGEND: J2L**



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 10-1522  
 DESIGNED: August 2017  
 SEALED: 9/25/2017  
 REVISED: N/A

Electrical Detail - Final Design

Prepared In the Offices of:  
 G.L. Transportation Mobility and Safety Division  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 Signal Management Section  
 750 N. Greenfield Pkwy, Garner, NC 27529

SR 2894 (Concord Mills Blvd./ Bruton Smith Blvd.)  
 at  
 I-85 SB Ramps  
 Cabarrus County Concord

Division 10  
 PLAN DATE: September 2017  
 PREPARED BY: S. Armstrong  
 REVIEWED BY:  
 REVISIONS  
 INIT. DATE

SEAL  
 PROFESSIONAL ENGINEER  
 SEAL 030530  
 JACUARY M. LITTLE  
 9/26/2017  
 DATE  
 SIG. INVENTORY NO. 10-1522

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

06-SEP-2017 13:36  
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 sarmstrong