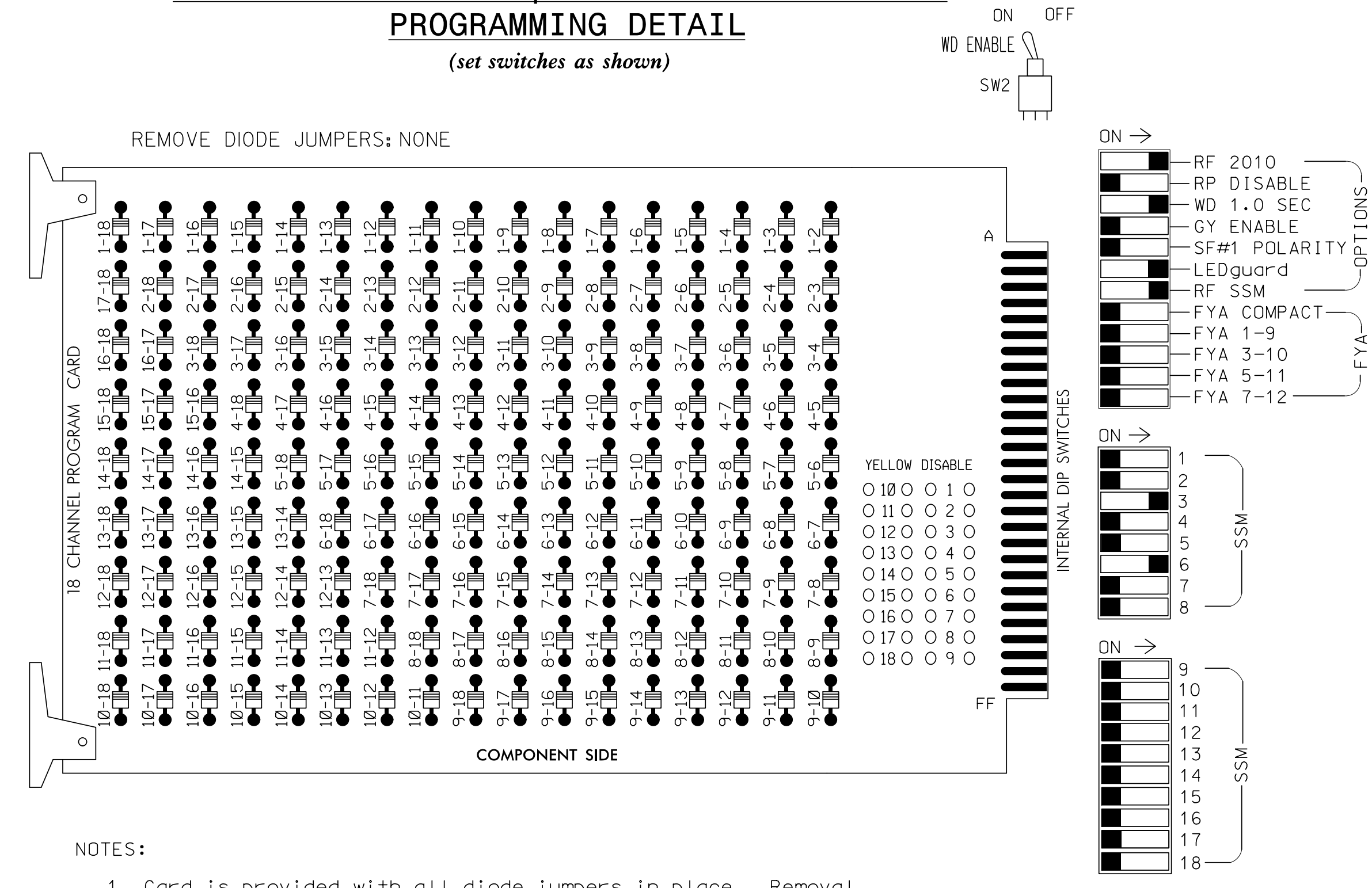


**EDI MODEL 2018ECLip-NC CONFLICT MONITOR**  
**PROGRAMMING DETAIL**  
*(set switches as shown)*



**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 phase 6 for volume density operation.
4. Program controller to start up in 6 Green.
5. Program phase 2 for Red Flash.
- 6 The cabinet and controller are part of the Fayetteville Signal System.

**SIGNAL HEAD HOOK-UP CHART**

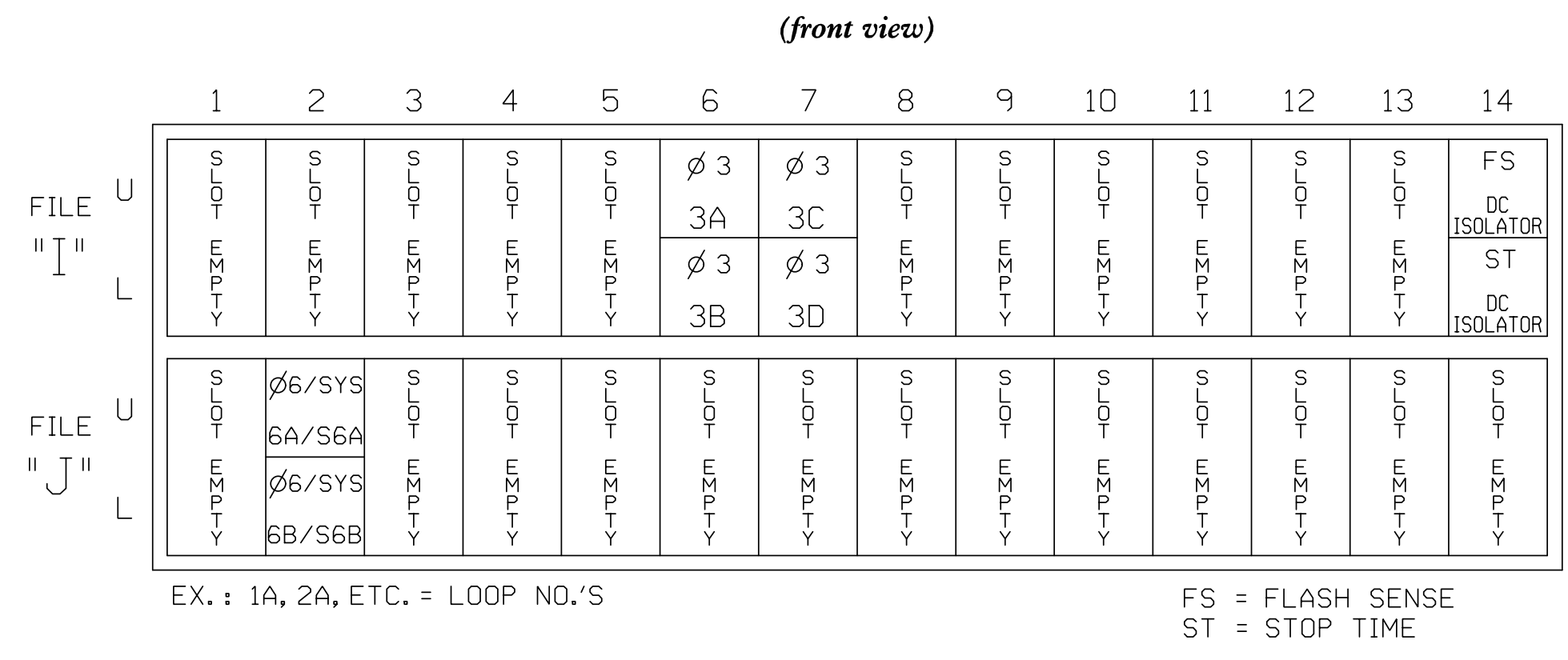
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	NU	NU	31,32	33,34	NU	NU	NU	61,62	NU	NU	NU	NU	NU	NU	NU	NU	NU
RED					116							134						
YELLOW												135						
GREEN												136						
RED ARROW					116													
YELLOW ARROW					117	117												
GREEN ARROW					118	118												

NU = Not Used

**EQUIPMENT INFORMATION**

CONTROLLER.....2070E  
 CABINET.....332 /W/ AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S4,S8  
 PHASES USED.....3,6  
 OVERLAP "A".....NOT USED  
 OVERLAP "B".....NOT USED  
 OVERLAP "C".....NOT USED  
 OVERLAP "D".....NOT USED

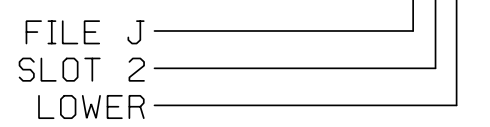
**INPUT FILE POSITION LAYOUT**



**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
3A	TB4-9,10	I6U	41	4	3	YES			S
3B	TB4-11,12	I6L	45	14	3	YES			S
3C	TB6-1,2	I7U	65	34	3	YES		10	S
3D	TB6-3,4	I7L	78	44	3	YES		10	S
6A/S6A	TB3-5,6	J2U	40	6	6	YES			N
6B/S6B	TB3-7,8	J2L	44	16	6	YES			N

**INPUT FILE POSITION LEGEND: J2L**



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-1304  
 DESIGNED: June 2016  
 SEALED: 6/3/2016  
 REVISED:

9/16/2016 K:\MAIL\_TPT\K\SIGNALS\4011036345 Fayetteville E:\Electr\Coals654 - Signal Design\3rd\_Submit\Final\42361\_061304-2016e.dgn Susan Pennington

Electrical Detail

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

Prepared For:

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SR 1600 (McArthur Road) at I-295 EB Ramp/Loop B

Division 6 Cumberland County Fayetteville

PLAN DATE: July 2016 REVIEWED BY: KP Baumann  
 PREPARED BY: SP Pennington REVIEWED BY: SL Phillips

REVISIONS	INIT.	DATE

DocuSign  
 DC87A56ED00B437  
 9/16/2016  
 DATE

SIG. INVENTORY NO. 06-1304