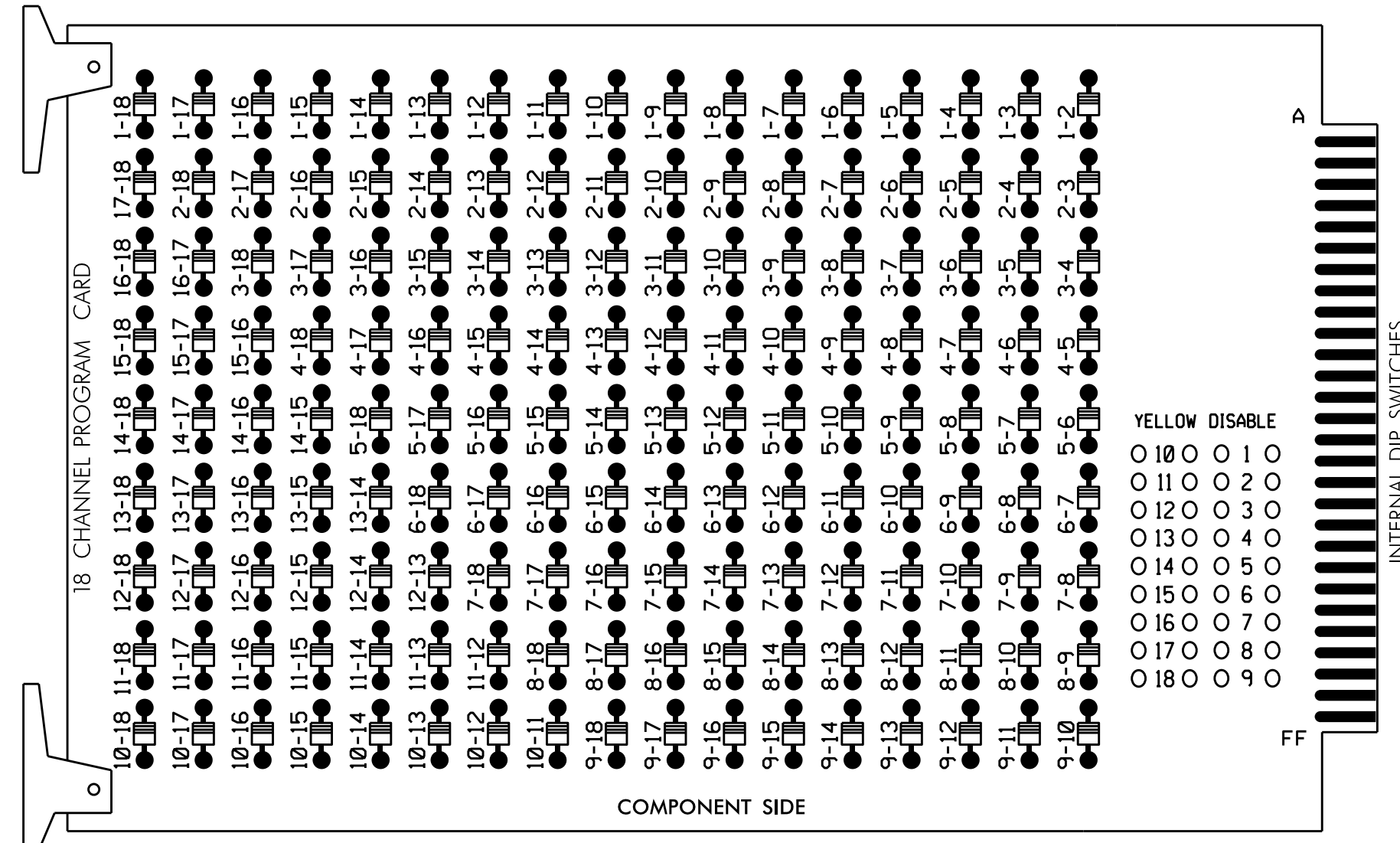


**EDI MODEL 2018ECL-NC CONFLICT MONITOR  
PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

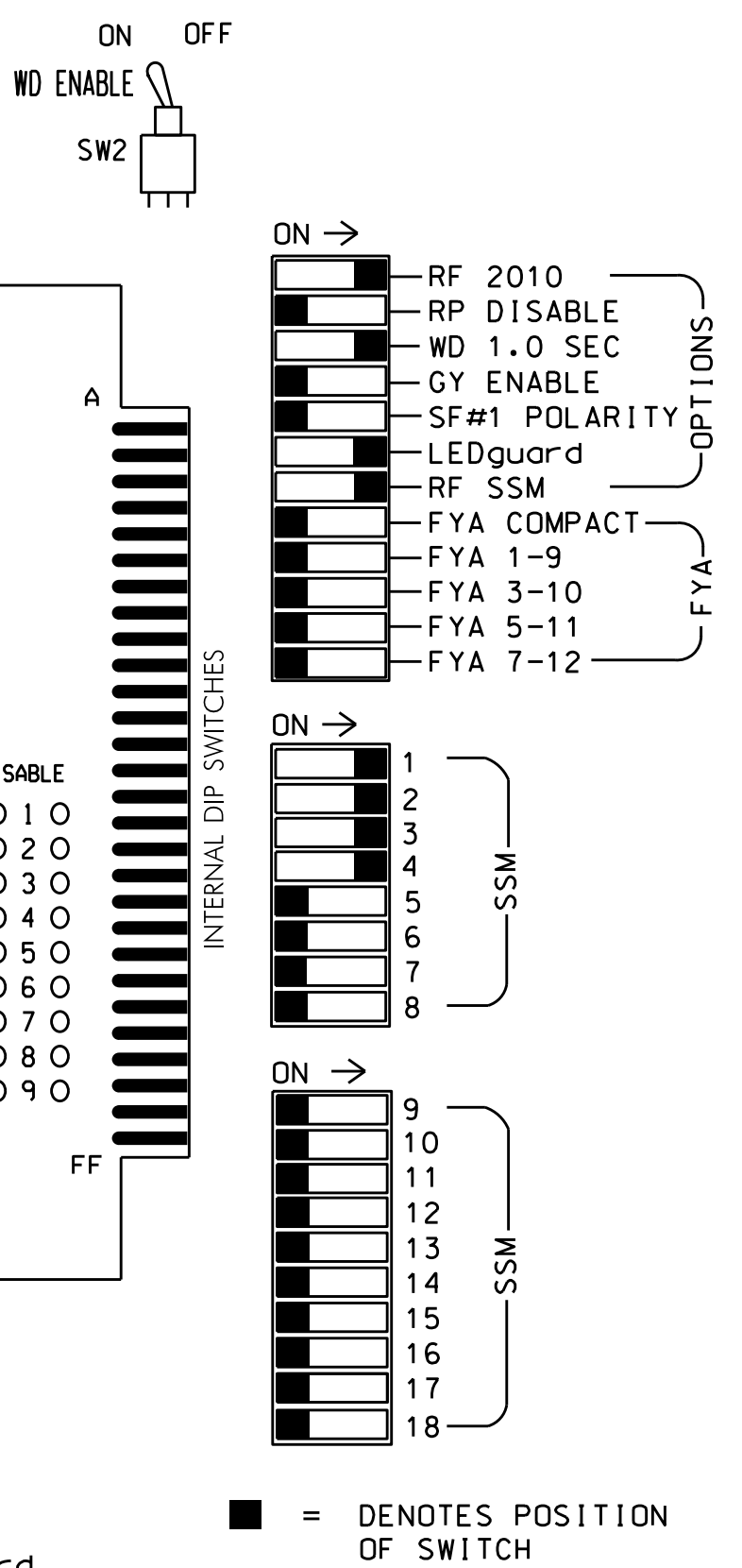
DO NOT REMOVE DIODE JUMPERS.



JUMPER 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.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 1, 2, 3 and 4 for Red Rest.
- Program phase 2 for Startup Red Clear.
- Program phase 2 as First Phases.

**EQUIPMENT INFORMATION**

CONTROLLER.....2070L  
CABINET.....336  
SOFTWARE.....ECONOLITE OASIS  
CABINET MOUNT.....POLE  
OUTPUT FILE POSITIONS...12  
LOAD SWITCHES USED.....S1,S2,S4,S5  
PHASES USED.....1,2,3,4  
OVERLAPS.....NONE

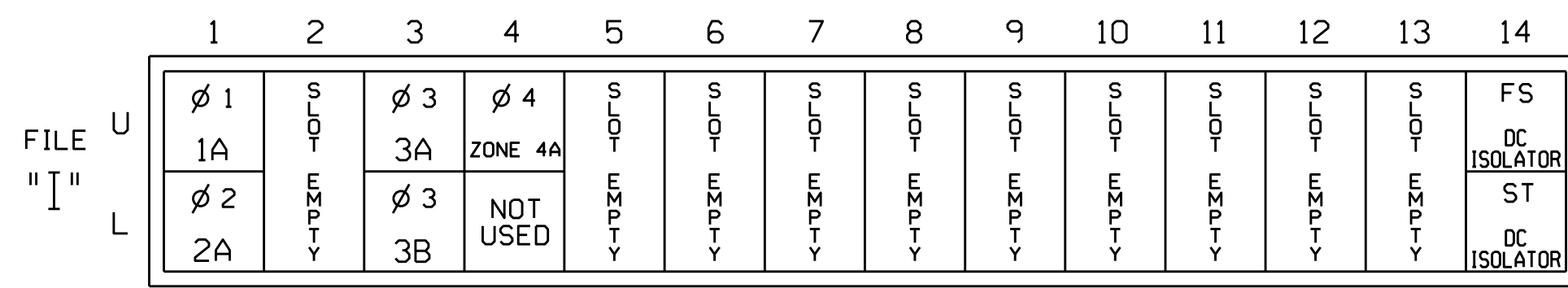
**SIGNAL HEAD HOOK-UP CHART**

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.	11,12	21,22	NU	31,32, 33,34	41,42	NU	NU	NU	NU	NU	NU	NU
RED	125	128		116	101							
YELLOW	126	129		117	102							
GREEN	127	130		118	103							
RED ARROW												
YELLOW ARROW												
GREEN ARROW												

NU = Not Used

**INPUT FILE POSITION LAYOUT**

(front view)



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

FS = FLASH SENSE  
ST = STOP TIME

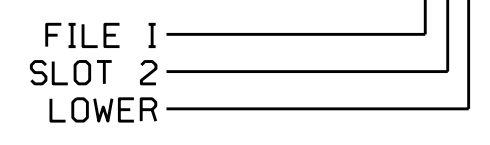
**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A	TB21-1,2	I1U	56	18	1	1	Y	Y			
2A	TB23-1,2	I1L	47	9	22	2	Y	Y			
3A	TB21-5,6	I3U	58	20	3	3	Y	Y			3
3B	TB23-5,6	I3L	49	11	24	3	Y	Y			3
★ ZONE 4A	TB21-7,8	I4U	41	3	4	4	Y	Y			

**★ SPECIAL DETECTOR NOTE**

For Zone 4A install a microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plan.

INPUT FILE POSITION LEGEND: I2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-1285T  
DESIGNED: December 2015  
SEALED: 12/17/2015  
REVISED: N/A

Electrical Detail - Temp

US 64 / 74A at Pheasant Street / Rainbow Circle

Division 13 Rutherford County Near Lake Lure

PLAN DATE: December 2015 REVIEWED BY: GCB

PREPARED BY: C. Strickland REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: George C. Brown 12/22/2015

750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL PROFESSIONAL ENGINEER GEORGE C. BROWN 022013

SIG. INVENTORY NO. 13-1285T

13-1285-2015-01-24  
S:\IT\ASIS\13-1285\Sigs\13-1285-2015-01-24-sm-le-xxx.dgn  
C:\Users\cstrickland