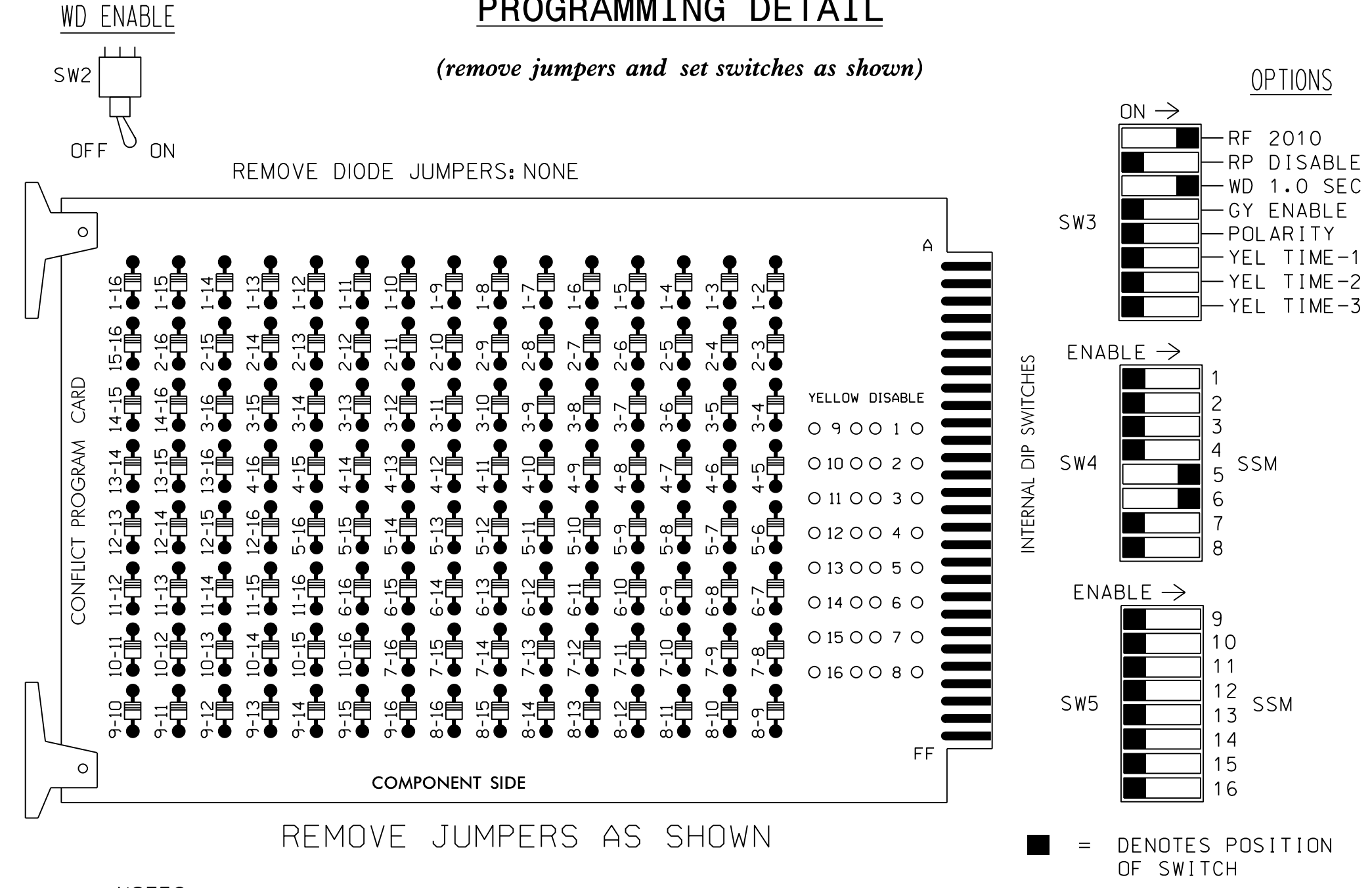


**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**



- REMOVE JUMPERS AS SHOWN
- NOTES:
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
  - Make sure jumpers SEL2-SEL5 are present on the monitor board.

**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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,2,3,4,7,8,9,10,11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program controller to start up in phase 6 Green.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of Signal System D06-24 Lumberton, NC 41-72 (Second St.)

**SIGNAL HEAD HOOK-UP CHART**

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	NU	NU	NU	NU	NU	51,54	52,53	61,62	NU	NU	NU
RED								131	134			
YELLOW								132	135			
GREEN								133	136			
RED ARROW								131				
YELLOW ARROW								132				
GREEN ARROW								133				

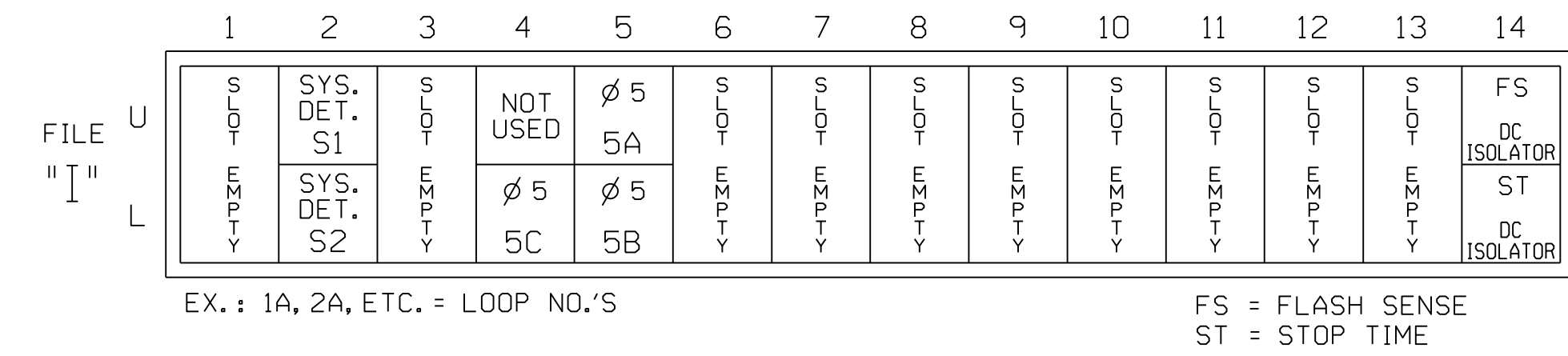
NU = Not Used

**EQUIPMENT INFORMATION**

CONTROLLER.....2070LX  
 CABINET.....336  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....POLE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S5,S6  
 PHASES USED.....5,6  
 OVERLAPS.....NONE

**INPUT FILE POSITION LAYOUT**

(front view)

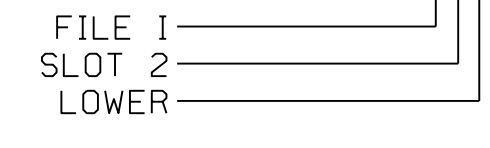


**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
5A	TB21-9,10	15U	55	5	5	YES				N
5B	TB23-9,10	15L	48	26	5	YES				N
5C	TB21-7,8	14U	41	4	5	YES				N
* S1	TB21-3,4	12U	39	2	SYS	NO				N
* S2	TB23-3,4	12L	43	12	SYS	NO				N

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

**INPUT FILE POSITION LEGEND: I2L**



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0331  
 DESIGNED: JULY 2022  
 SEALED: FEBRUARY 2023  
 REVISED: N/A

4:00:10 PM U:\Projects\Signal\5985A\electrical\Detail\sig-el-06-0331.dgn User:rmuncey

**Electrical Detail - Final Design**

Stantec Consulting Services Inc.  
 801 Jones Franklin Road-Suite 300  
 Raleigh, NC 27606  
 Tel. (919) 851-6866  
 Fax. (919) 851-7024  
 www.stantec.com  
 License No. F-0672

NC 72 (West Fifth St.)/  
 (West Second St.)  
 at  
 SR 1600 (West Fifth St.)  
 Division 6 Robeson County Lumberton

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL 43239  
 REGINA M. MUNCEY  
 PROFESSIONAL ENGINEER  
 STATE OF NORTH CAROLINA

REVISIONS	INIT.	DATE

PREPARED BY: D. Waller      REVIEWED BY: R M Muncey  
 PLAN DATE: FEBRUARY 2023  
 750 N. Greenfield Pkwy, Garner, NC 27529