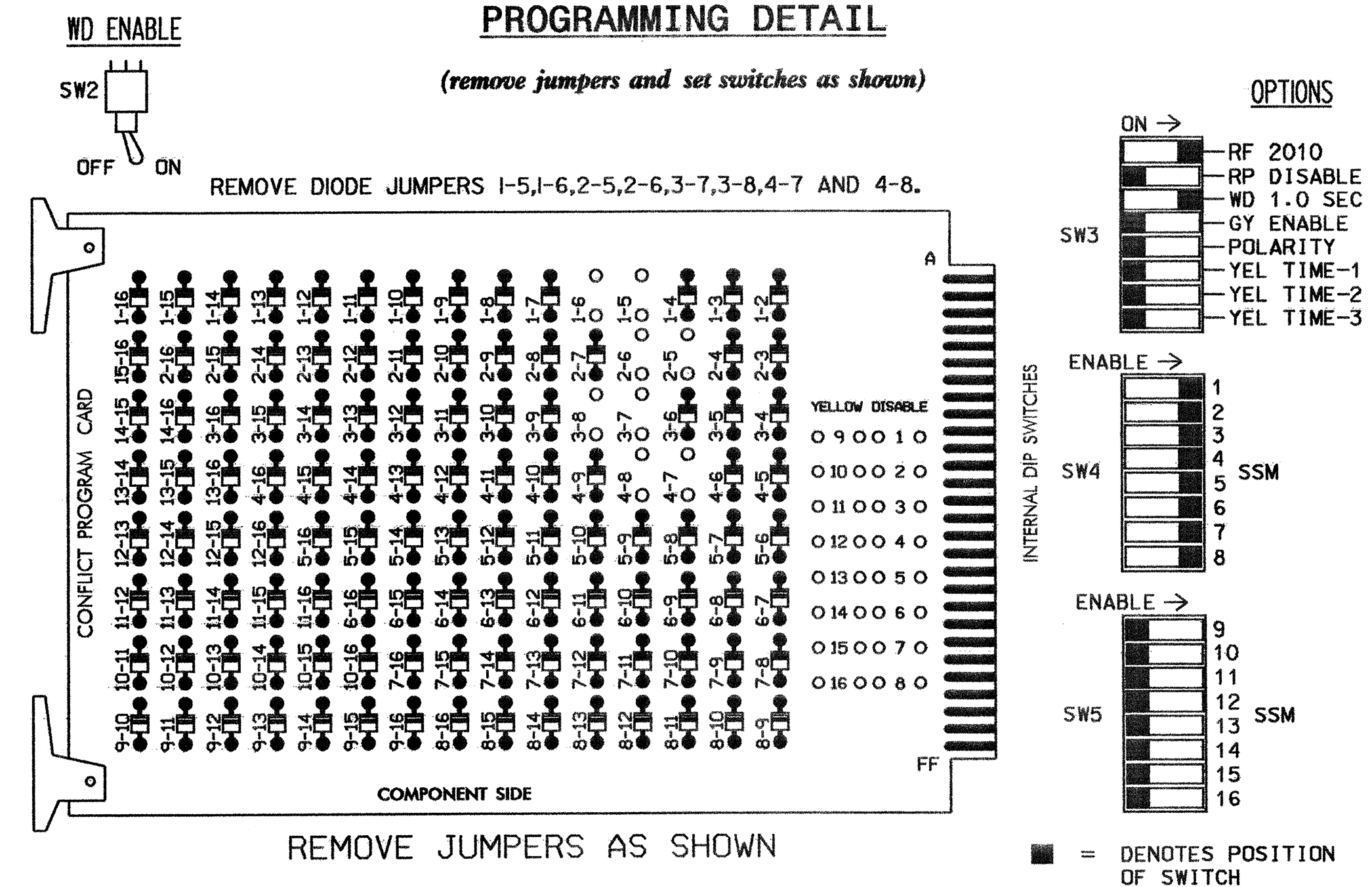


**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**



- NOTES:**
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
  - Make sure jumpers SEL1-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 9,10, 11,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program controller to start up in phases 2 and 6 green.
- Enable Simultaneous Gap-Out, on the controller unit, for all phases.
- The cabinet and controller are part of the Gastonia City System.

**EQUIPMENT INFORMATION**

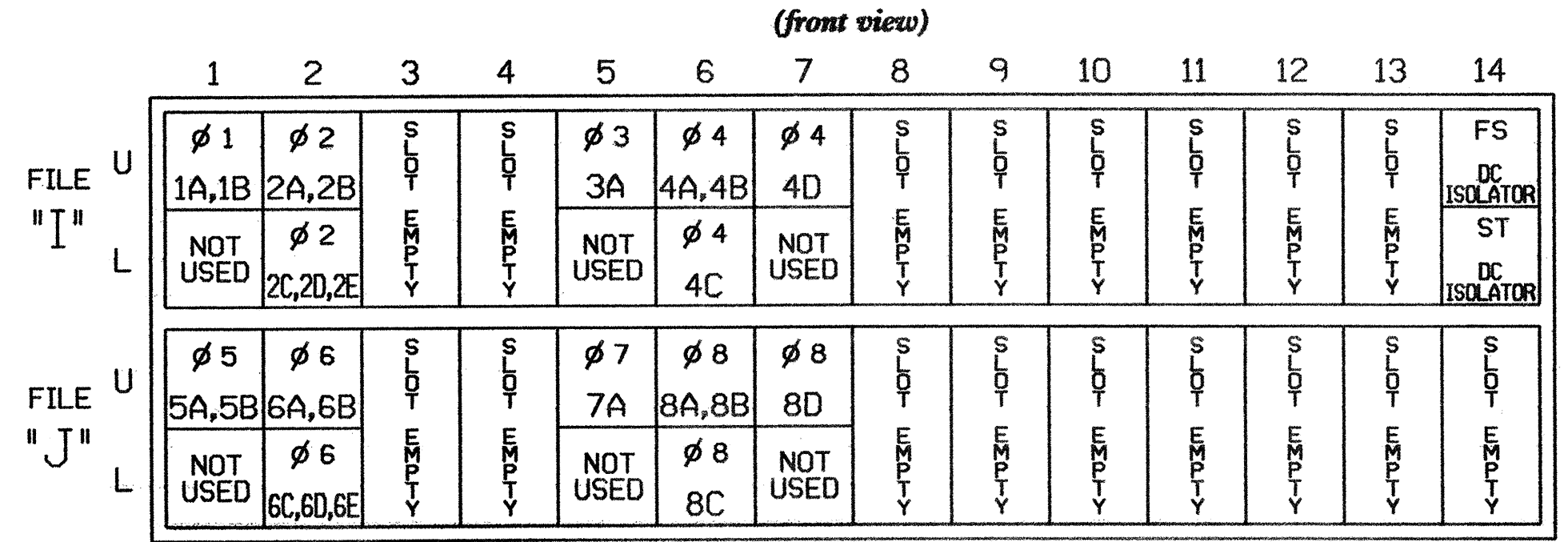
CONTROLLER.....CONTRACTOR SUPPLIED 2070L  
 CABINET.....CONTRACTOR SUPPLIED 332  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8  
 PHASES USED.....1,2,3,4,5,6,7,8  
 OVERLAPS.....NONE

**FIELD CONNECTION 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.	11,12	21,22	NU	22	31	41,42	NU	51,52	61,62	NU	62	71	81,82	NU
GREEN		130			103			136				109		
YELLOW		129			102			135				108		
RED		128			101			134				107		
RED ARROW	125				116			131				122		
YELLOW ARROW	126			117	117			132			123	123		
GREEN ARROW	127			118	118			133			124	124		

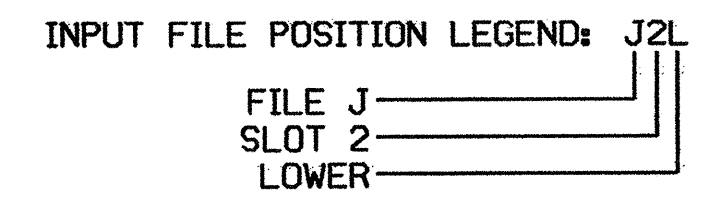
NU = Not Used

**INPUT FILE POSITION LAYOUT**



**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,1B	TB2-1,2	I1U	56	18	1	1	Y	Y			
2A,2B	TB2-5,6	I2U	39	1	2	2	Y	Y		1.8	
2C,2D,2E	TB2-7,8	I2L	43	5	12	2	Y	Y			
3A	TB4-5,6	I5U	58	20	3	3	Y	Y			
4A,4B	TB4-9,10	I6U	41	3	4	4	Y	Y		3.5	
4C	TB4-11,12	I6L	45	7	14	4	Y	Y			
4D	TB6-1,2	I7U	65	27	34	4	Y	Y			
5A,5B	TB3-1,2	J1U	55	17	5	5	Y	Y			
6A,6B	TB3-5,6	J2U	40	2	6	6	Y	Y		1.8	
6C,6D,6E	TB3-7,8	J2L	44	6	16	6	Y	Y			
7A	TB5-5,6	J5U	57	19	7	7	Y	Y			
8A,8B	TB5-9,10	J6U	42	4	8	8	Y	Y		3.5	
8C	TB5-11,12	J6L	46	8	18	8	Y	Y			
8D	TB7-1,2	J7U	66	28	38	8	Y	Y			



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1411  
 DESIGNED: February 2005  
 SEALED: 02-17-05  
 REVISED:

**Signal Upgrade**

Prepared in the Office of:  
  
 122 N. McDowell St., Raleigh, NC 27603

**SR 1255 (Hudson Boulevard) at NC 274 (Union Road)**  
 Division 12 Gaston County in Gastonia

PLAN DATE: February 2005 REVIEWED BY: *J. Wayne*  
 PREPARED BY: James Peterson REVIEWED BY:

REVISIONS	INIT.	DATE

*George C. Brown* 2/23/05  
 SEAL  
 PROFESSIONAL ENGINEER  
 SEAL 022013  
 GEORGE C. BROWN  
 STATE OF NORTH CAROLINA  
 SIGNATURE DATE  
 SIG. INVENTORY NO. 12-1411