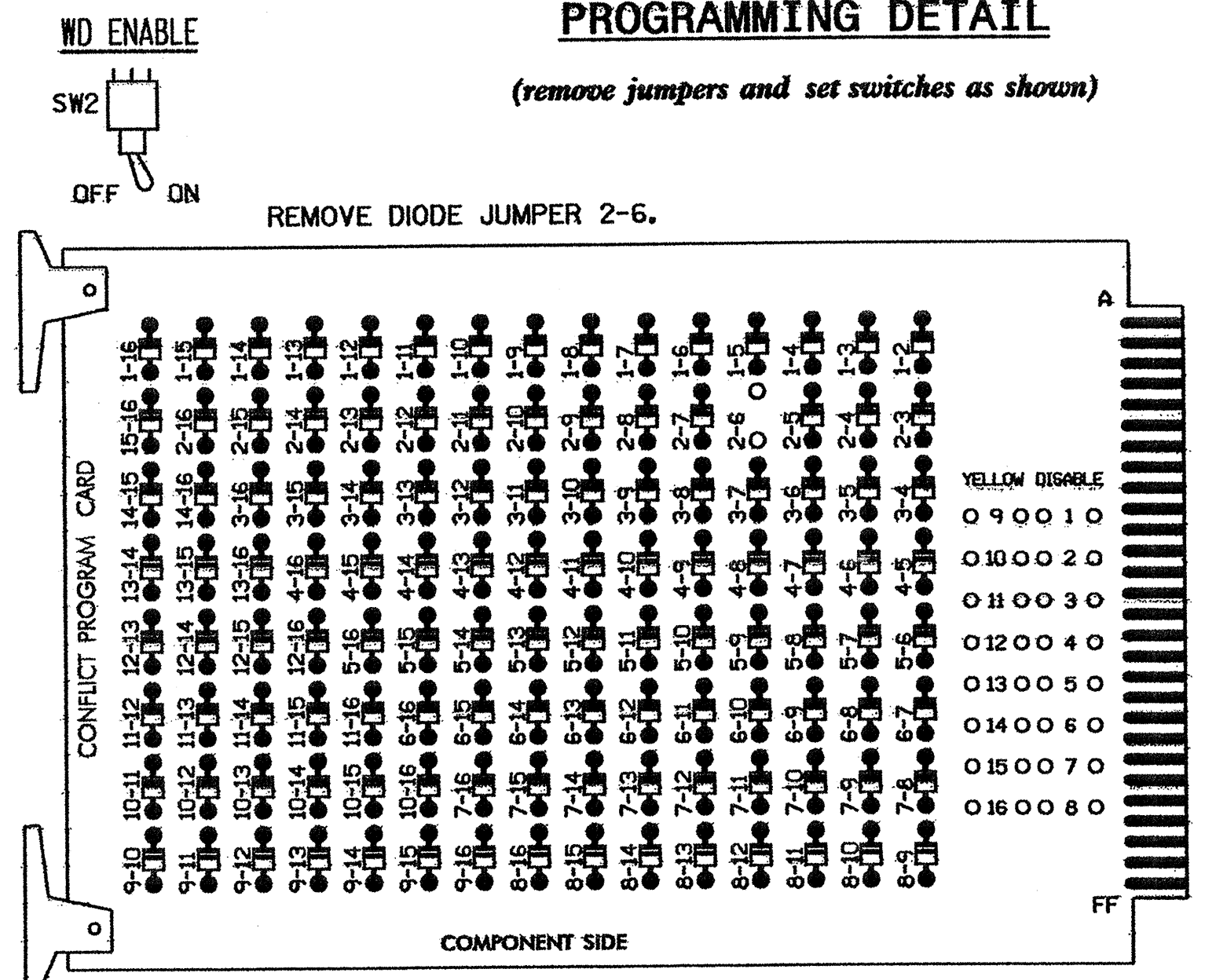


### EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL

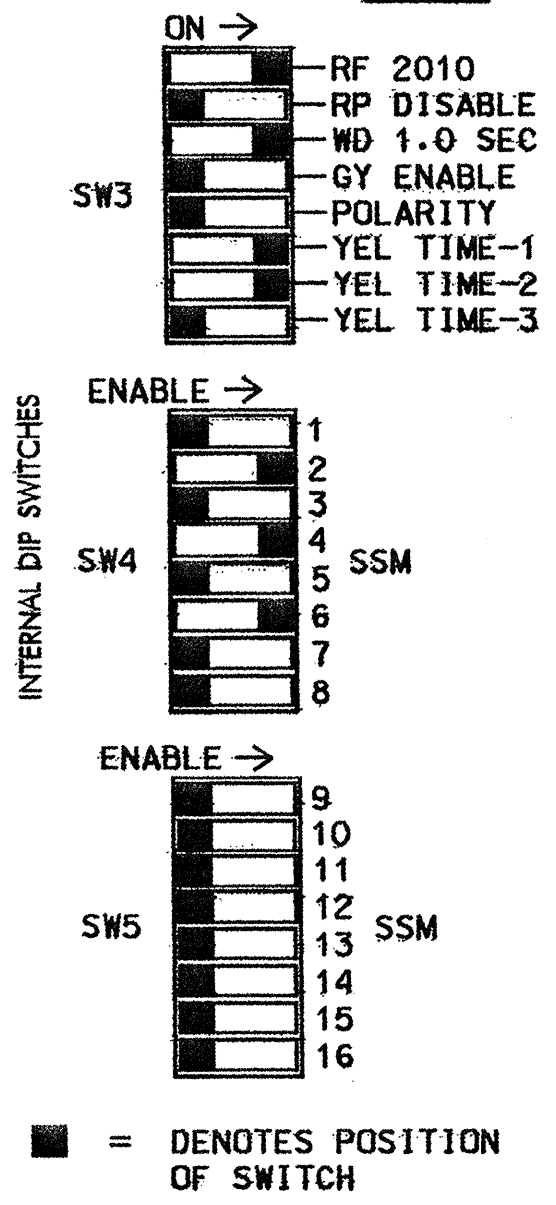


REMOVE JUMPERS AS SHOWN

**NOTES:**

- CARD IS PROVIDED WITH ALL DIODE JUMPERS IN PLACE. REMOVAL OF ANY JUMPER ALLOWS ITS CHANNELS TO RUN CONCURRENTLY.
- MAKE SURE JUMPERS SEL1-SEL5 ARE PRESENT ON THE MONITOR BOARD.
- ENSURE THAT RED ENABLE IS ACTIVE AT ALL TIMES DURING NORMAL OPERATION.

**OPTIONS**



**NOTES**

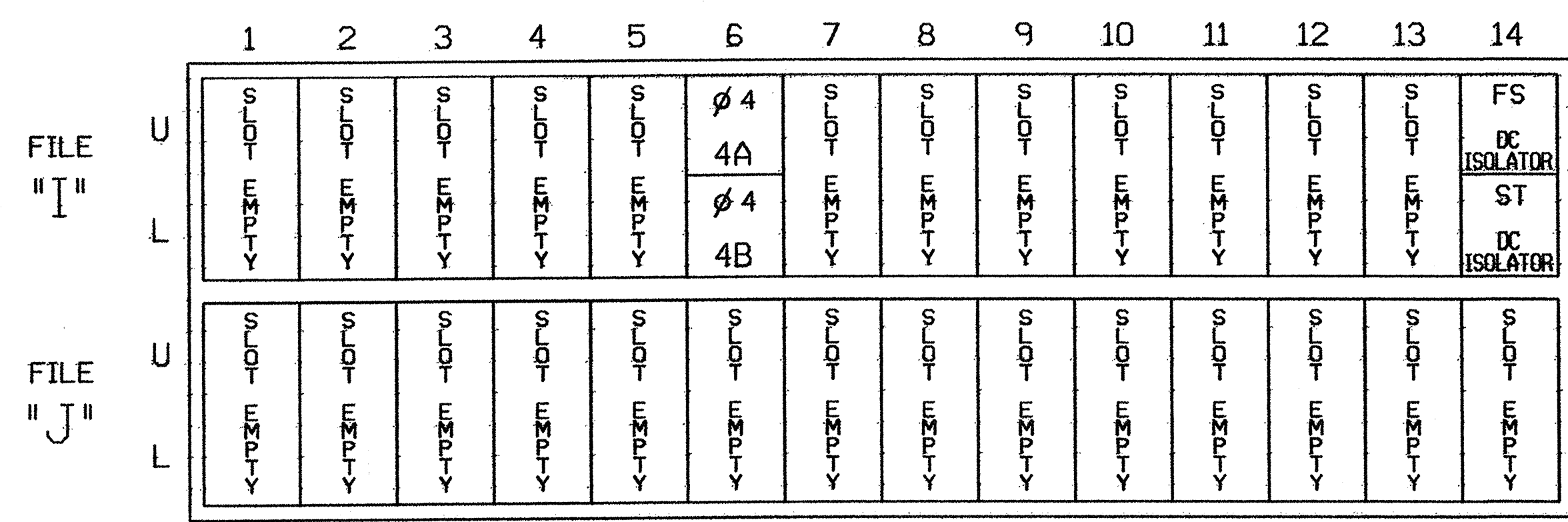
- TO PREVENT "FLASH-CONFLICT" PROBLEMS, INSERT RED FLASH PROGRAM BLOCKS FOR ALL UNUSED VEHICLE LOAD SWITCHES IN OUTPUT FILE. VERIFY THAT SIGNAL HEADS FLASH IN ACCORDANCE WITH THE SIGNAL PLANS.
- TO PREVENT RED FAILURES ON UNUSED MONITOR CHANNELS 1,3,5,7, 8,9,10,11,12,13,14,15 & 16, TIE UNUSED LOAD SWITCH RED OUTPUTS TO LOAD SWITCH AC+ PER CABINET MANUFACTURER'S INSTRUCTIONS.
- PROGRAM THE CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
- SET POWER-UP FLASH TIME TO 10 SECONDS AND IMPLEMENT WITHIN THE CONTROLLER PROGRAMMING.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- THE CABINET AND CONTROLLER ARE A PART OF THE DURHAM SIGNAL SYSTEM.

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

NU = NOT USED

**INPUT FILE POSITION LAYOUT**  
(FRONT VIEW)



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

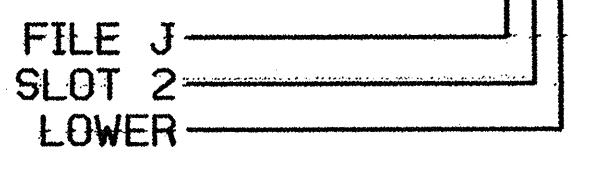
FS = FLASH SENSE  
ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	DETECTOR NO.	PIN NO.	ATTRIBUTES	NEMA PHASE
4A	TB4-9,10	I6U	1	41	5 7	4
4B	TB4-11,12	I6L	2	45	5 7	4

NOTE: PROGRAM DETECTOR DELAY AND CARRYOVER TIMES AS SPECIFIED ON SIGNAL DESIGN PLANS.

**INPUT FILE POSITION LEGEND: J2L**



**DETECTOR ATTRIBUTES LEGEND:**

- 1-FULL TIME DELAY
- 2-PED CALL
- 3-RESERVED
- 4-COUNTING
- 5-EXTENSION
- 6-TYPE 3
- 7-CALLING
- 8-ALTERNATE

**EQUIPMENT INFORMATION**

CONTROLLER.....CONTRACTOR SUPPLIED 170E  
 CABINET .....CONTRACTOR SUPPLIED 332  
 SOFTWARE .....BI TRANS 233NC2  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S4,S6  
 PHASES USED.....2,4,6  
 OVERLAPS.....NONE

THIS ELECTRICAL DETAIL IS FOR  
 THE SIGNAL DESIGN: 05-1717T1  
 AND 05-1717T2  
 DESIGNED: JANUARY 2004  
 SEALED: 02-17-04  
 REVISED:

TYPE 170 CONTROLLER & 332 CABINET

**TEMPORARY DESIGN 1 & 2**

	NC 98 (HOLLOWAY STREET) AT US 70 WESTBOUND RAMPS DIVISION 05 DURHAM COUNTY DURHAM		
	PLAN DATE: FEBRUARY 2004 REVIEWED BY: <i>T. J. ...</i> PREPARED BY: JAMES PETERSON REVIEWED BY: REVISIONS: INIT. DATE:		
222 N. McDowell St., Raleigh, NC 27603		SEAL SIGNATURE: <i>George C. Brown</i> DATE: 4/12/04 SIG. INVENTORY NO. 05-1717T	