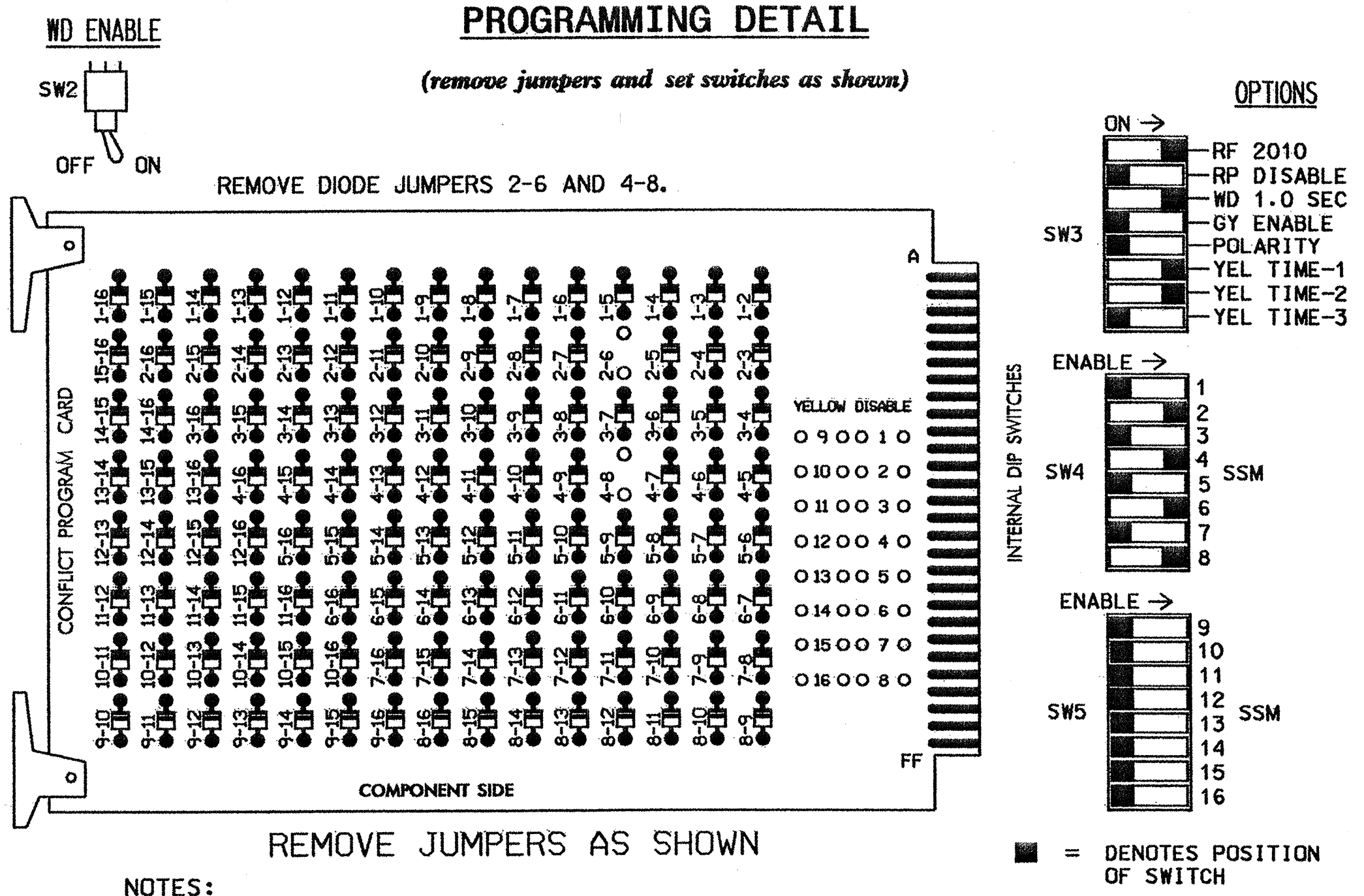


EDI MODEL 2010ECL CONFLICT MONITOR

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.
 - ENSURE THAT RED ENABLE IS ACTIVE AT ALL TIMES DURING NORMAL OPERATION.

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, 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.
- PROGRAM PHASES 4 AND 8, ON CONTROLLER UNIT, FOR DOUBLE ENTRY.
- THE CABINET AND CONTROLLER ARE A PART OF THE DURHAM SIGNAL SYSTEM.

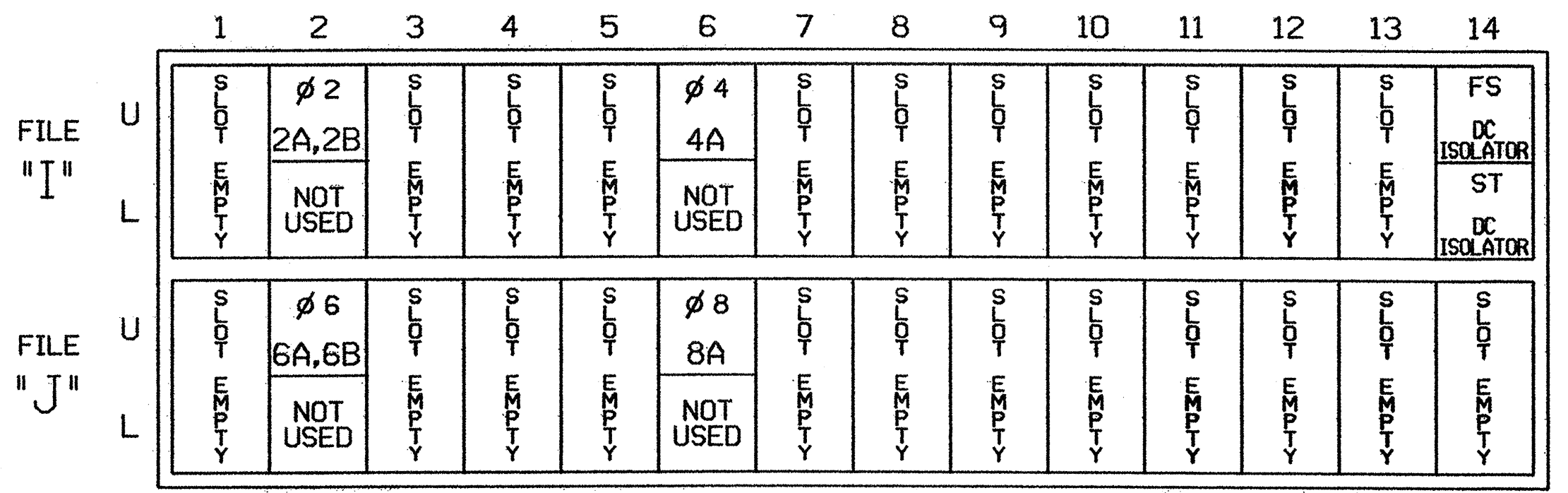
FIELD CONNECTION HOOK-UP CHART

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	81,82	NU
GREEN		130			103			136			109	
YELLOW		129			102			135			108	
RED		128			101			134			107	
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
2A,2B	TB2-5,6	I2U	1	39	5 7	2
4A	TB4-9,10	I6U	2	41	5 7	4
6A,6B	TB3-5,6	J2U	3	40	5 7	6
8A	TB5-9,10	J6U	4	42	5 7	8

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

- INPUT FILE POSITION LEGEND: J2L
- FILE J
SLOT 2
LOWER
- DETECTOR ATTRIBUTES LEGEND:
- FULL TIME DELAY
 - PED CALL
 - RESERVED
 - COUNTING
 - EXTENSION
 - TYPE 3
 - CALLING
 - 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,S8
 PHASES USED.....2,4,6,8
 OVERLAPS.....NONE

THIS ELECTRICAL DETAIL IS FOR
 THE SIGNAL DESIGN: 05-1655T1
 AND: 05-1655T2
 DESIGNED: JANUARY 2004
 SEALED: 02-17-04
 REVISED:

TEMPORARY DESIGN 1 & 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

 222 N. McDowell St., Raleigh, NC 27603

**NC 98 (HOLLOWAY STREET)
 AT
 HOOVER ROAD/
 SHOPPING CENTER DRIVE**

DIVISION 05 DURHAM COUNTY DURHAM
 PLAN DATE: MARCH 2004 REVIEWED BY: T. Boyd
 PREPARED BY: JAMES PETERSON REVIEWED BY:
 REVISIONS INIT. DATE

SEAL

 SIGNATURE: George C. Brown DATE: 4/12/04
 SIG. INVENTORY NO. 05-1655T