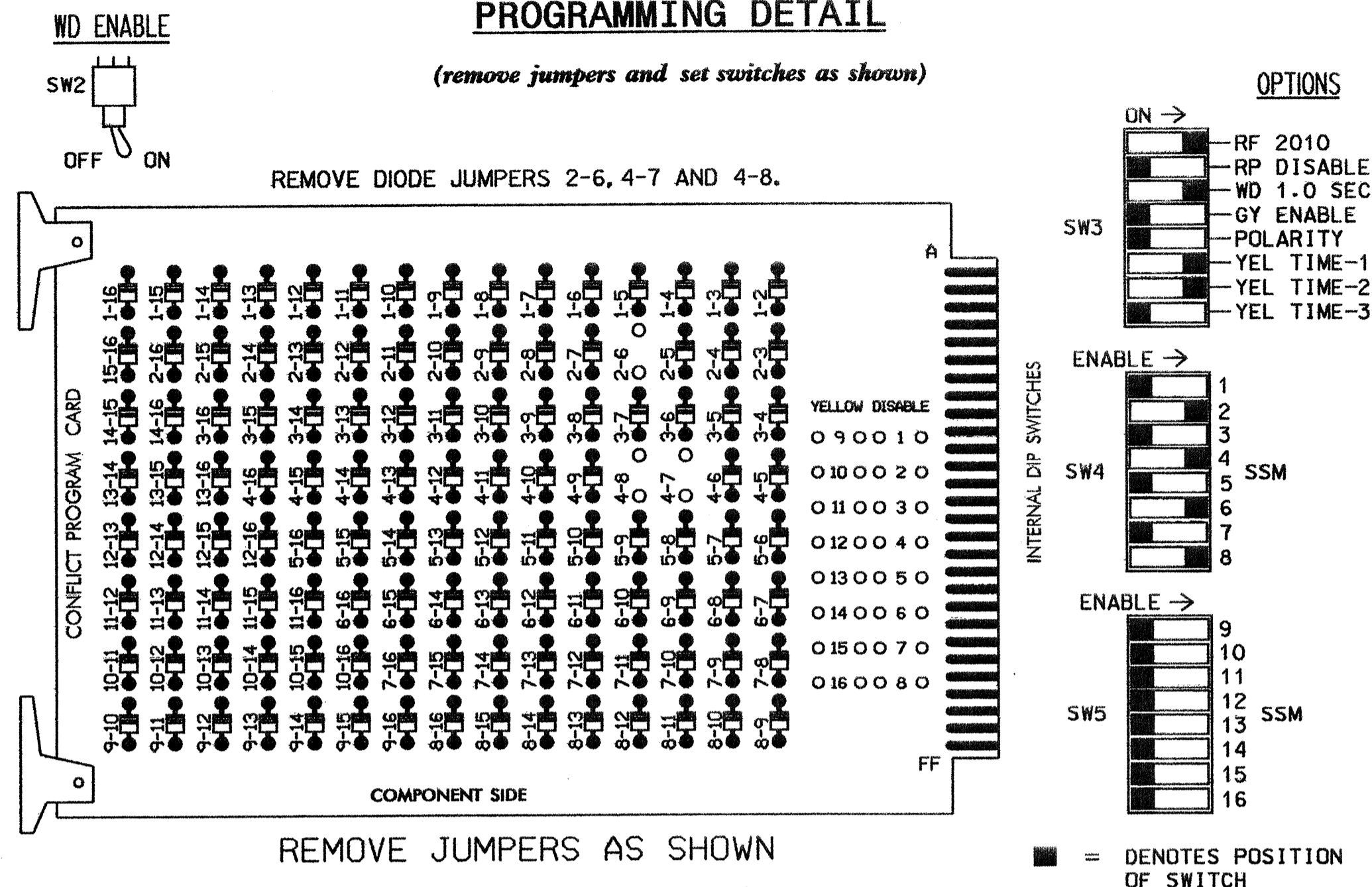


EDI MODEL 2010ECL CONFLICT MONITOR

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 1,3,5, 7,9,10,11,12,13,14,15 & 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 FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM PHASES 4 AND 8, ON CONTROLLER UNIT, FOR DUAL ENTRY.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
 CABINETCONTRACTOR SUPPLIED 332
 SOFTWAREECONOLITE OASIS 3.00.81
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...12
 LOAD SWITCHES USED.....S2,S4,S6,S7,S8
 PHASES USED.....2,4,6,7*8
 OVERLAPS.....NONE

* USED DURING PREEMPT ONLY

FIELD CONNECTION HOOK-UP CHART

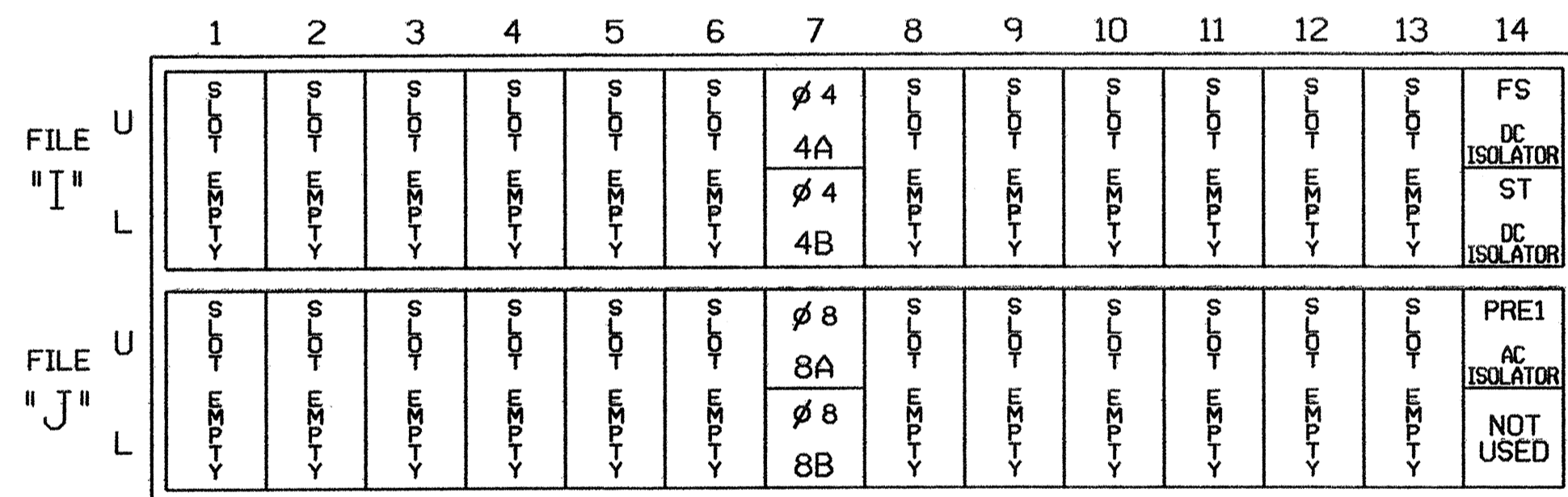
LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	61,62	NU	41	81,82	NU
GREEN		130			103			136			109	
YELLOW		129			102			135		*	108	
RED		128			101			134			107	
RED ARROW												
YELLOW ARROW												
GREEN ARROW											124	

NU = NOT USED

* DENOTES INSTALL LOAD RESISTOR, SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

INPUT FILE POSITION LAYOUT

(front view)



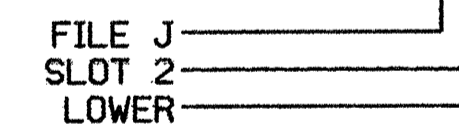
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME
 PRE = PREEMPT

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
4A	TB6-1,2	I7U	65	27	34	4	Y	Y			3
4B	TB6-3,4	I7L	78	40	44	4	Y	Y			10
6A	TB7-1,2	J7U	66	28	38	8	Y	Y			3
8B	TB7-3,4	J7L	79	41	48	8	Y	Y			10

INPUT FILE POSITION LEGEND: J2L

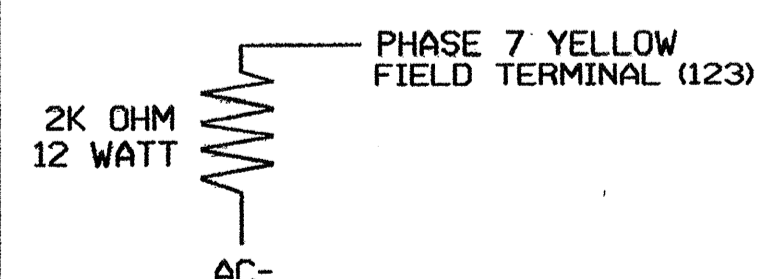


PREEMPT ONLY PHASE OMIT NOTE

(program controller as shown below)

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). PROGRAM PHASE 7 FOR 'OMIT PHASE' AND PHASES 2, 4, 6 AND 8 FOR 'STARTUP CALLS'. THIS IS TO PREVENT PHASE 7 FROM BEING SERVED WHEN NOT IN PREEMPT.

LOAD RESISTOR INSTALLATION DETAIL



NOTE: THE PURPOSE OF THIS RESISTOR IS TO LOAD THE CHANNEL YELLOW MONITOR INPUT IN ORDER TO PREVENT THE SIGNAL SEQUENCE MONITOR FROM DETECTING ANY POSSIBLE "PHANTOM" (OR FALSE) CONFLICT, AS THIS CHANNEL HAS NO YELLOW FIELD DISPLAY.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0335T1
 DESIGNED: 10/30/03
 SEALED: 08/09/04
 REVISED:

SIGNAL UPGRADE - TEMPORARY DESIGN 1 - SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR: **NC 274 (BESSEMER CITY ROAD) AT SR 1334 (JENKINS DAIRY ROAD) & SR 1135 (SHANNON BRADLEY ROAD)**

Prepared in the Office of: **WILLIAM HAIRSTON**

PLAN DATE: **JULY 2004** REVIEWED BY: **T. J. JAY**

PREPARED BY: **WILLIAM HAIRSTON** REVIEWED BY: **WILLIAM HAIRSTON**

REVISIONS: _____ INIT. _____ DATE _____

122 N. McDowell St., Raleigh, NC 27603

SEAL: **WILLIAM HAIRSTON**, PROFESSIONAL ENGINEER, STATE OF NORTH CAROLINA, LICENSE NO. 022013

SIG. INVENTORY NO. 12-0335T1