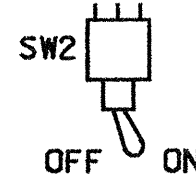


**EDI MODEL 2010ECL CONFLICT MONITOR**

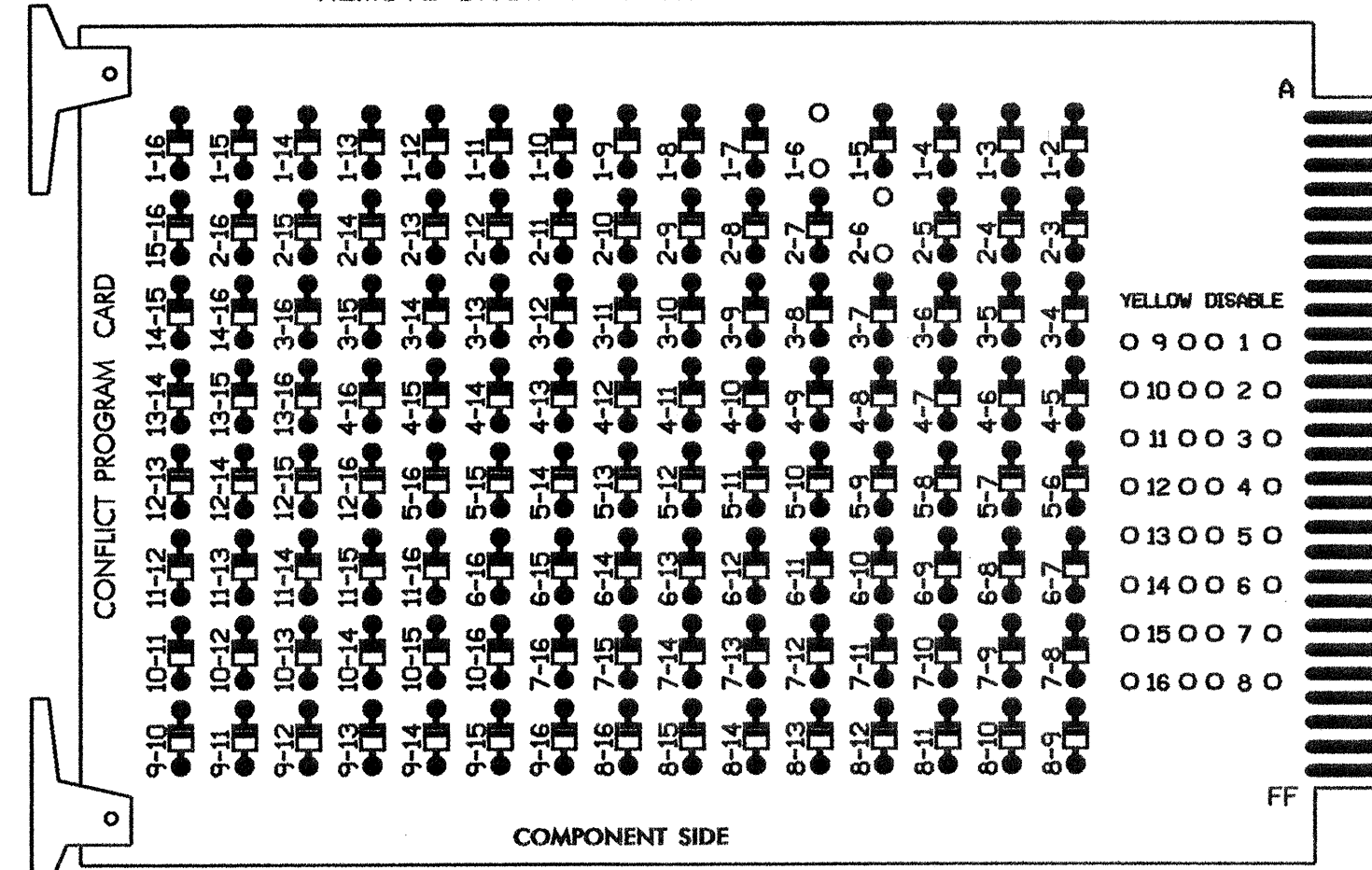
**PROGRAMMING DETAIL**

WD ENABLE

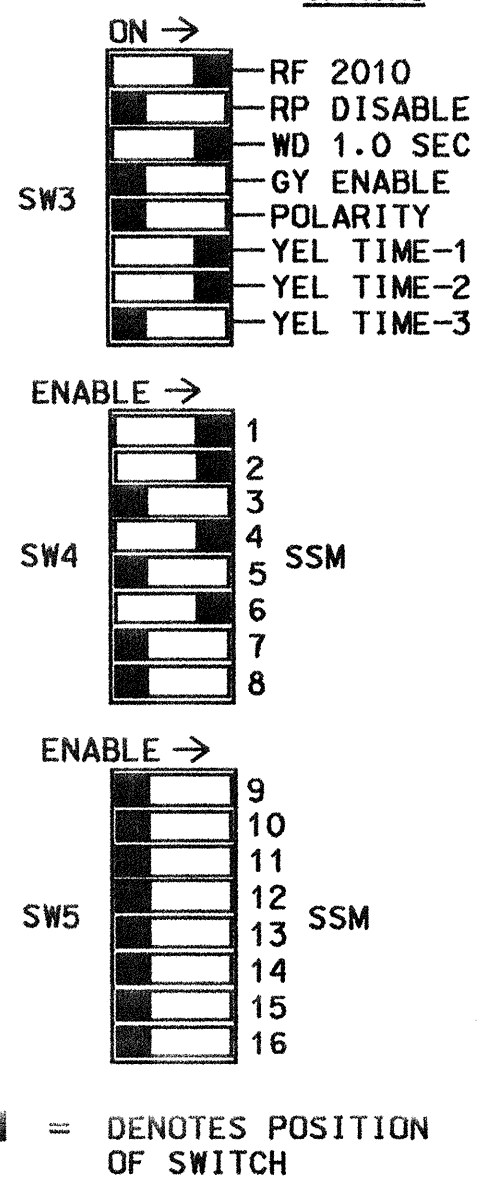


(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-6 AND 2-6.



**OPTIONS**



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.

**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 3,5,7,8,9, 10,11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER THE CABINET MANUFACTURER'S INSTRUCTIONS.
- PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
- ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VARIABLE INITIAL AND GAP REDUCTION.

**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. | 61,42 | 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    | 126   |       |       |    |       |       |    |       |       |    |    |       |
| GREEN ARROW     | 127   |       |       |    |       |       |    |       |       |    |    |       |
|                 |       |       |       |    |       |       |    |       |       |    |    |       |
|                 |       |       |       |    |       |       |    |       |       |    |    |       |

NU = NOT USED

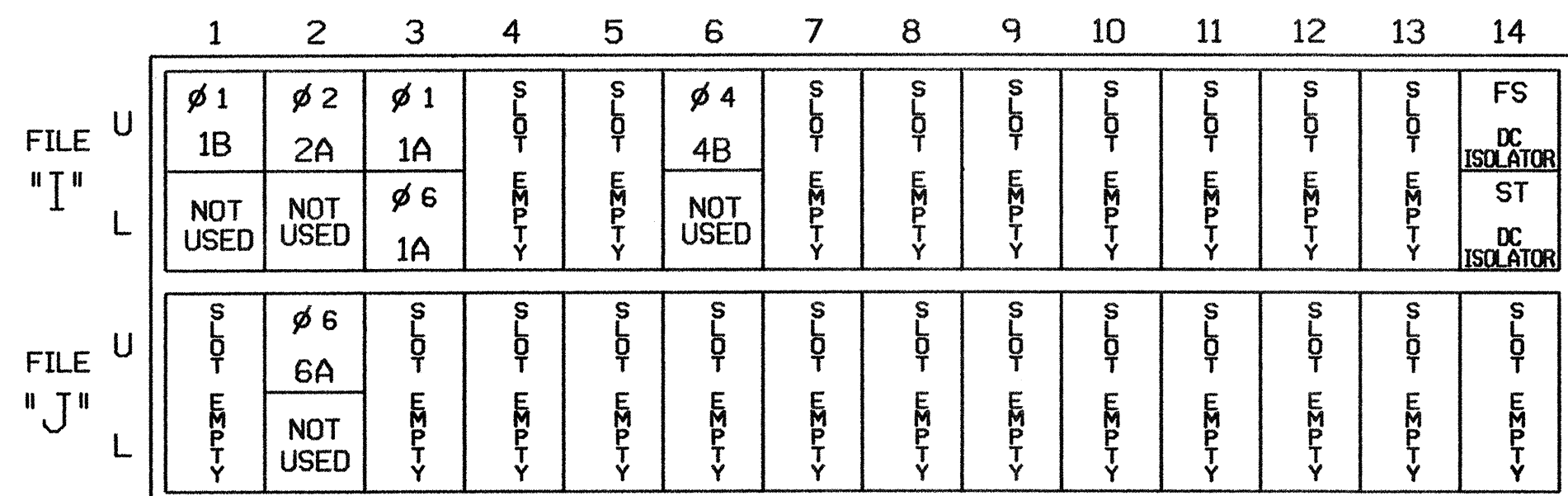
\* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

**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,S4,S6  
 PHASES USED.....1,2,4,6  
 OVERLAPS.....NONE

**INPUT FILE POSITION LAYOUT**

(front view)



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

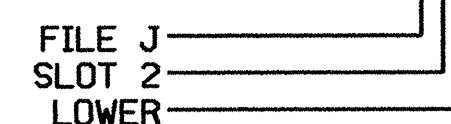
FS = FLASH SENSE  
 ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

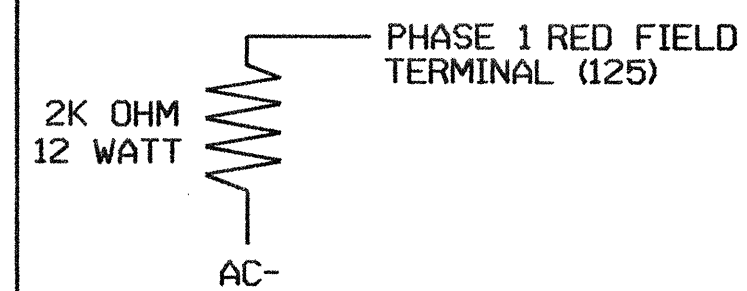
| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | INPUT ASSIGNMENT NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND | FULL TIME DELAY | STRETCH TIME | DELAY TIME |
|----------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 1B       | TB2-1,2       | I1U             | 56      | 18                   | 1            | 1          | Y    | Y      |                 |              | 15         |
| 2A       | TB2-5,6       | I2U             | 39      | 1                    | 2            | 2          | Y    | Y      |                 |              |            |
| 1A       | TB2-9,10      | I3U             | 63      | 25                   | 32           | 1          | Y    | Y      |                 |              | 15         |
|          | TB2-11,12     | I3L             | 76      | 38                   | 42           | 6          | Y    | Y      | Y               |              | 3          |
| 4B       | TB4-9,10      | I6U             | 41      | 3                    | 4            | 4          | Y    | Y      |                 |              | 3          |
| 6A       | TB3-5,6       | J2U             | 40      | 2                    | 6            | 6          | Y    | Y      |                 |              |            |

<sup>1</sup> ADD JUMPERS FROM TB2-9 TO TB2-11, AND FROM TB2-10 TO TB2-12.

**INPUT FILE POSITION LEGEND: J2L**



**LOAD RESISTOR INSTALLATION DETAIL**



NOTE: THE PURPOSE OF THIS RESISTOR IS TO LOAD THE CHANNEL RED MONITOR INPUTS IN ORDER FOR THE SIGNAL SEQUENCE MONITOR TO USE THE FULL SIGNAL SEQUENCE MONITORING CAPABILITY ON CHANNELS THAT DO NOT USE THE RED DISPLAY IN THE FIELD.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-1065T2  
 DESIGNED: OCTOBER 2003  
 SEALED: 8-11-04  
 REVISED: N/A

**TEMPORARY SIGNAL INSTALLATION - PHASE II & III**

ELECTRICAL AND PROGRAMMING DETAILS FOR: **US 70 (STATESVILLE BOULEVARD) AT SR 1728 (BARRINGER SCHOOL ROAD)**

Prepared in the Office of:

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN

DIVISION 9 ROWAN CO. W. OF SALISBURY

PLAN DATE: 8-4-04 REVIEWED BY: D.T. JOYCE

PREPARED BY: D.H. SPAULDING REVIEWED BY:

REVISIONS: INIT. DATE

122 N. McDowell St., Raleigh, NC 27603

SIG. INVENTORY NO. 09-1065T2