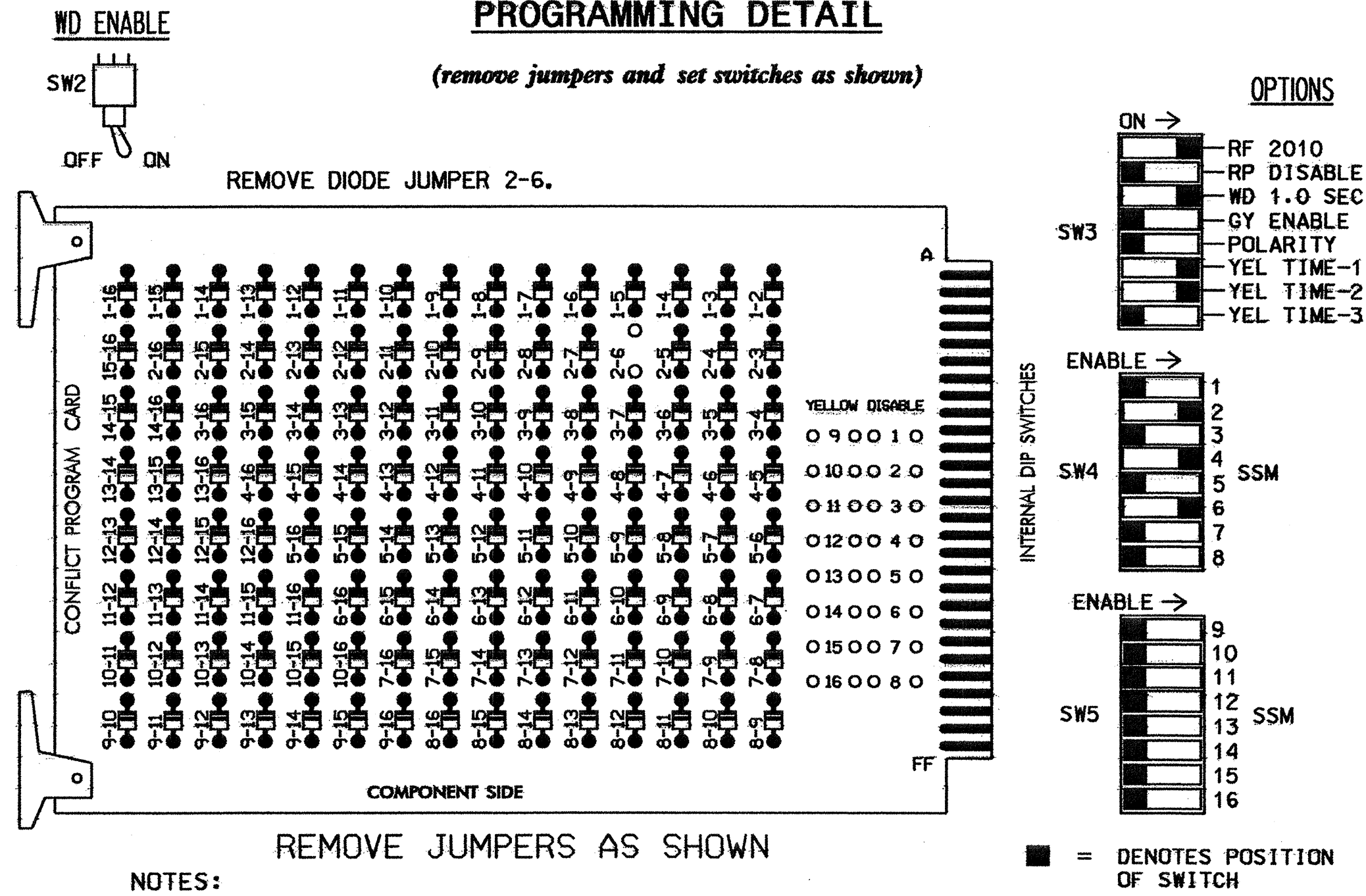


EDI MODEL 2010ECL CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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.

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.

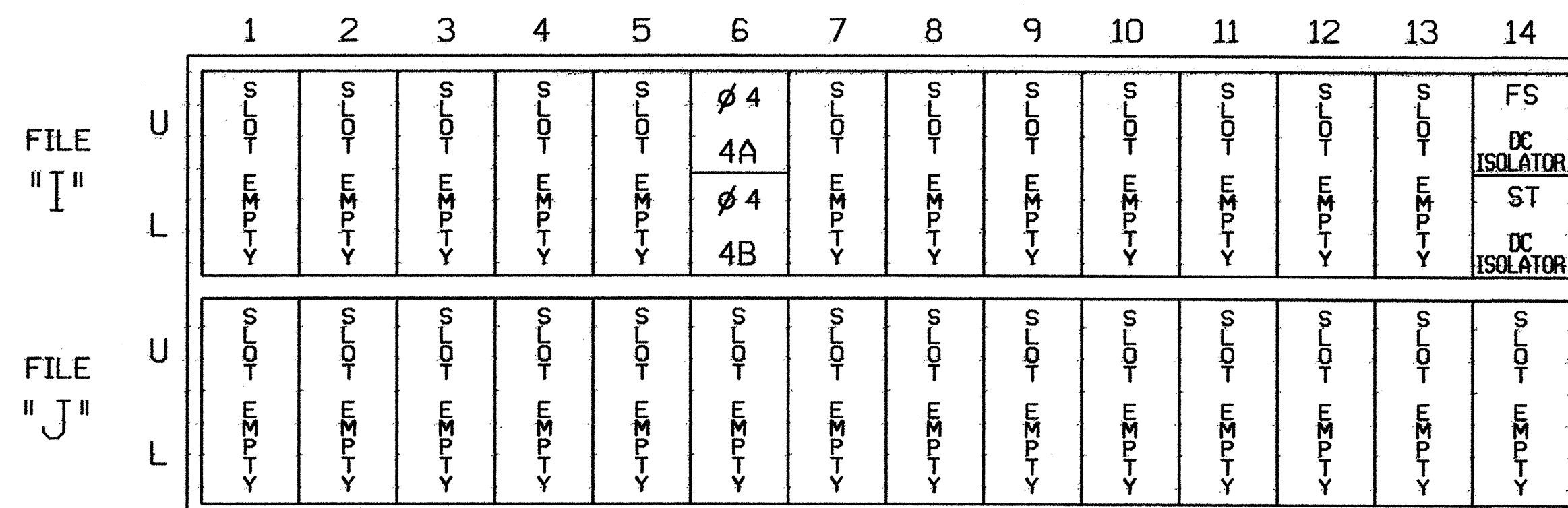
FIELD CONNECTION HOOK-UP CHART

| 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)

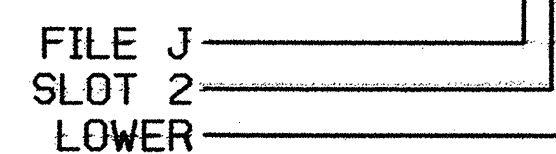


INPUT FILE CONNECTION & PROGRAMMING CHART

| 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
 CABINETCONTRACTOR SUPPLIED 332
 SOFTWAREBI 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 RAMP | | |
| | DIVISION 05 DURHAM COUNTY DURHAM | | |
| PLAN DATE: FEBRUARY 2004 | | REVIEWED BY: <i>T. J. [Signature]</i> | |
| PREPARED BY: JAMES PETERSON | | REVIEWED BY: | |
| REVISIONS | INIT. | DATE | |
| | | | |
| 122 N. McDowell St., Raleigh, NC 27603 | | SIGNATURE: <i>James C. Brown</i> DATE: 4/2/04 | |
| ELECTRICAL AND PROGRAMMING DETAILS FOR: | | SIG. INVENTORY NO. 05-1717T | |