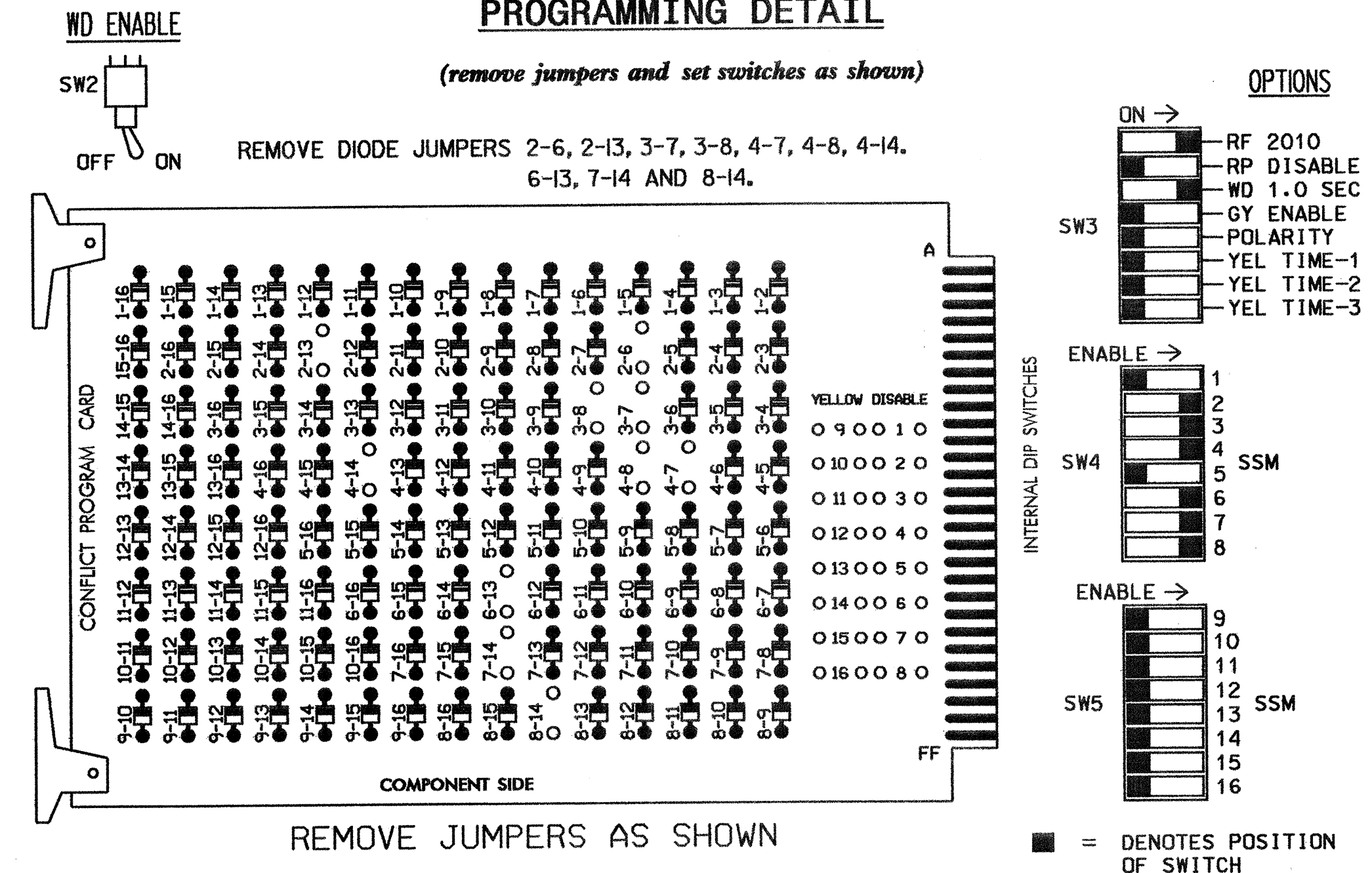


**EDI MODEL 2010ECL CONFLICT MONITOR**

**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.

**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 1,5,9,10,11,12,13,14,15 & 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, on the controller unit, for all phases.
- Program phases 2 and 4 for 'STARTUP PED CALL'.
- The cabinet and controller are part of the Gastonia City System.

**EQUIPMENT INFORMATION**

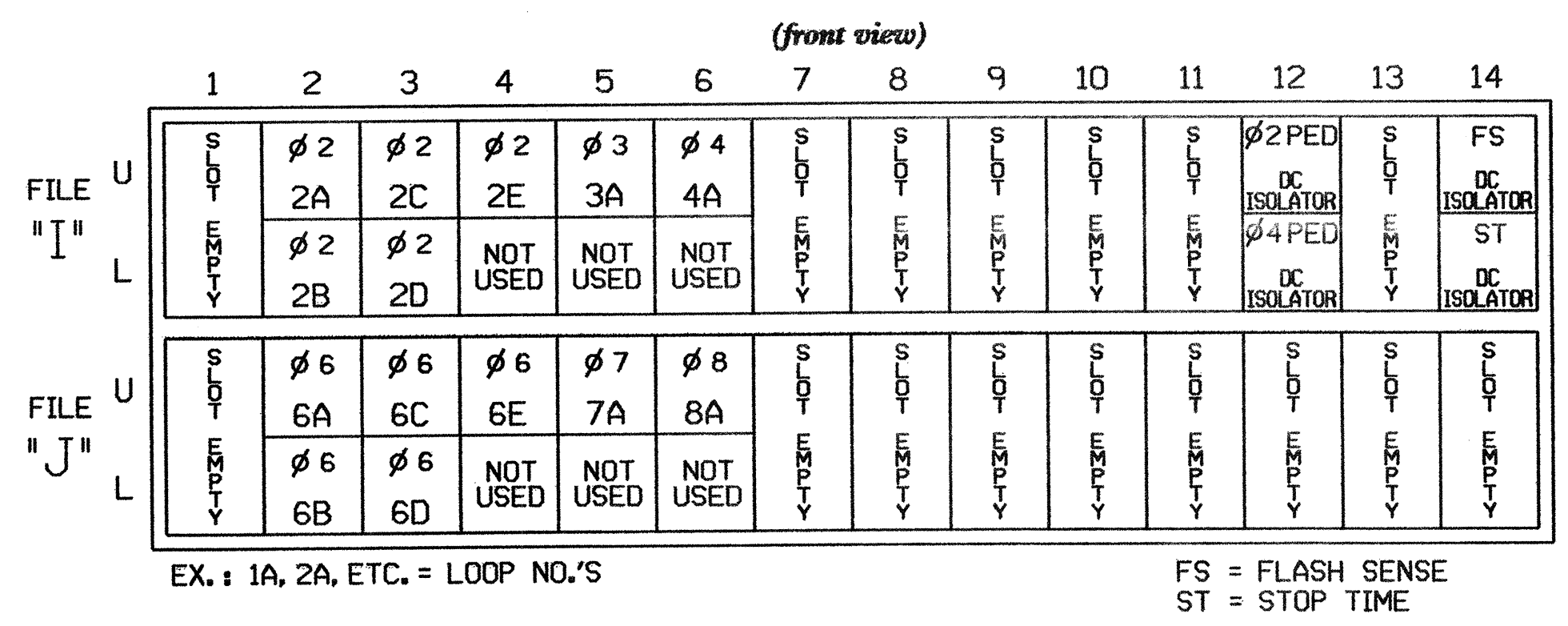
CONTROLLER.....CONTRACTOR SUPPLIED 2070L  
 CABINET.....CONTRACTOR SUPPLIED 332  
 SOFTWARE.....ECONOLITE OASIS  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S2,S2P,S3,S4,S4P,S6,S7,S8  
 PHASES USED.....2,2 PED,3,4,4 PED,6,7,8  
 OVERLAPS.....NONE

**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 | P21, P22 | 31 | 41,42 | P41, P42 | NU | 61, 62,63 | NU    | 63, 71 | 81,82 | NU    |
| GREEN           |    | 130   |          |    | 103   |          |    | 136       |       |        |       | 109   |
| YELLOW          |    | 129   |          |    | 102   |          |    | 135       |       |        |       | 108   |
| RED             |    | 128   |          |    | 101   |          |    | 134       |       |        |       | 107   |
| RED ARROW       |    |       |          |    | 116   |          |    |           |       |        | 122   |       |
| YELLOW ARROW    |    |       |          |    | 117   |          |    |           |       | 123    | 123   |       |
| GREEN ARROW     |    |       |          |    | 118   |          |    |           |       | 124    | 124   |       |
|                 |    |       |          |    | 115   |          |    | 106       |       |        |       |       |
|                 |    |       |          |    | 113   |          |    | 104       |       |        |       |       |

NU = Not Used

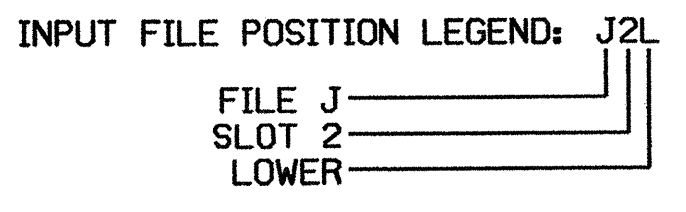
**INPUT FILE POSITION LAYOUT**



**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 |
|------------------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 2A               | TB2-5,6       | I2U             | 39      | 1                    | 2            | 2          | Y    | Y      |                 | 1.8          |            |
| 2B               | TB2-7,8       | I2L             | 43      | 5                    | 12           | 2          | Y    | Y      |                 | 1.8          |            |
| 2C               | TB2-9,10      | I3U             | 63      | 25                   | 32           | 2          | Y    | Y      |                 |              |            |
| 2D               | TB2-11,12     | I3L             | 76      | 38                   | 42           | 2          | Y    | Y      |                 |              |            |
| 2E               | TB4-1,2       | I4U             | 47      | 9                    | 22           | 2          | Y    | Y      |                 |              |            |
| 3A               | TB4-5,6       | I5U             | 58      | 20                   | 3            | 3          | Y    | Y      |                 |              | 3          |
| 4A               | TB4-9,10      | I6U             | 41      | 3                    | 4            | 4          | Y    | Y      |                 |              | 10         |
| 6A               | TB3-5,6       | J2U             | 40      | 2                    | 6            | 6          | Y    | Y      |                 | 1.8          |            |
| 6B               | TB3-7,8       | J2L             | 44      | 6                    | 16           | 6          | Y    | Y      |                 | 1.8          |            |
| 6C               | TB3-9,10      | J3U             | 64      | 26                   | 36           | 6          | Y    | Y      |                 |              |            |
| 6D               | TB3-11,12     | J3L             | 77      | 39                   | 46           | 6          | Y    | Y      |                 |              |            |
| 6E               | TB5-1,2       | J4U             | 48      | 10                   | 26           | 6          | Y    | Y      |                 |              |            |
| 7A               | TB5-5,6       | J5U             | 57      | 19                   | 7            | 7          | Y    | Y      |                 |              | 3          |
| 8A               | TB5-9,10      | J6U             | 42      | 4                    | 8            | 8          | Y    | Y      |                 |              | 10         |
| PED PUSH BUTTONS |               |                 |         |                      |              |            |      |        |                 |              |            |
| P21,P22          | TB8-4,6       | I12U            | 67      | 29                   | PED 2        | 2 PED      |      |        |                 |              |            |
| P41,P42          | TB8-5,6       | I12L            | 69      | 31                   | PED 4        | 4 PED      |      |        |                 |              |            |

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOT 112.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1373  
 DESIGNED: January 2005  
 SEALED: 02-07-05  
 REVISED:

**Signal Upgrade**

Prepared in the Office of:  
  
 122 N. McDowell St., Raleigh, NC 27603

**NC 279 (New Hope Road) at Modena Street / Montrose Drive**

Divison 12 Gaston County Gastonia  
 PLAN DATE: January 2005 REVIEWED BY: T. Joffe  
 PREPARED BY: James Peterson REVIEWED BY: [Signature]

| REVISIONS | INIT. | DATE |
|-----------|-------|------|
|           |       |      |

[Signature] 2/15/05  
 DATE: 2/15/05  
 SIG. INVENTORY NO. 12-1373

15-FEB-2005 08:20  
 U:\21373\sig\sig.dgn  
 Peterson