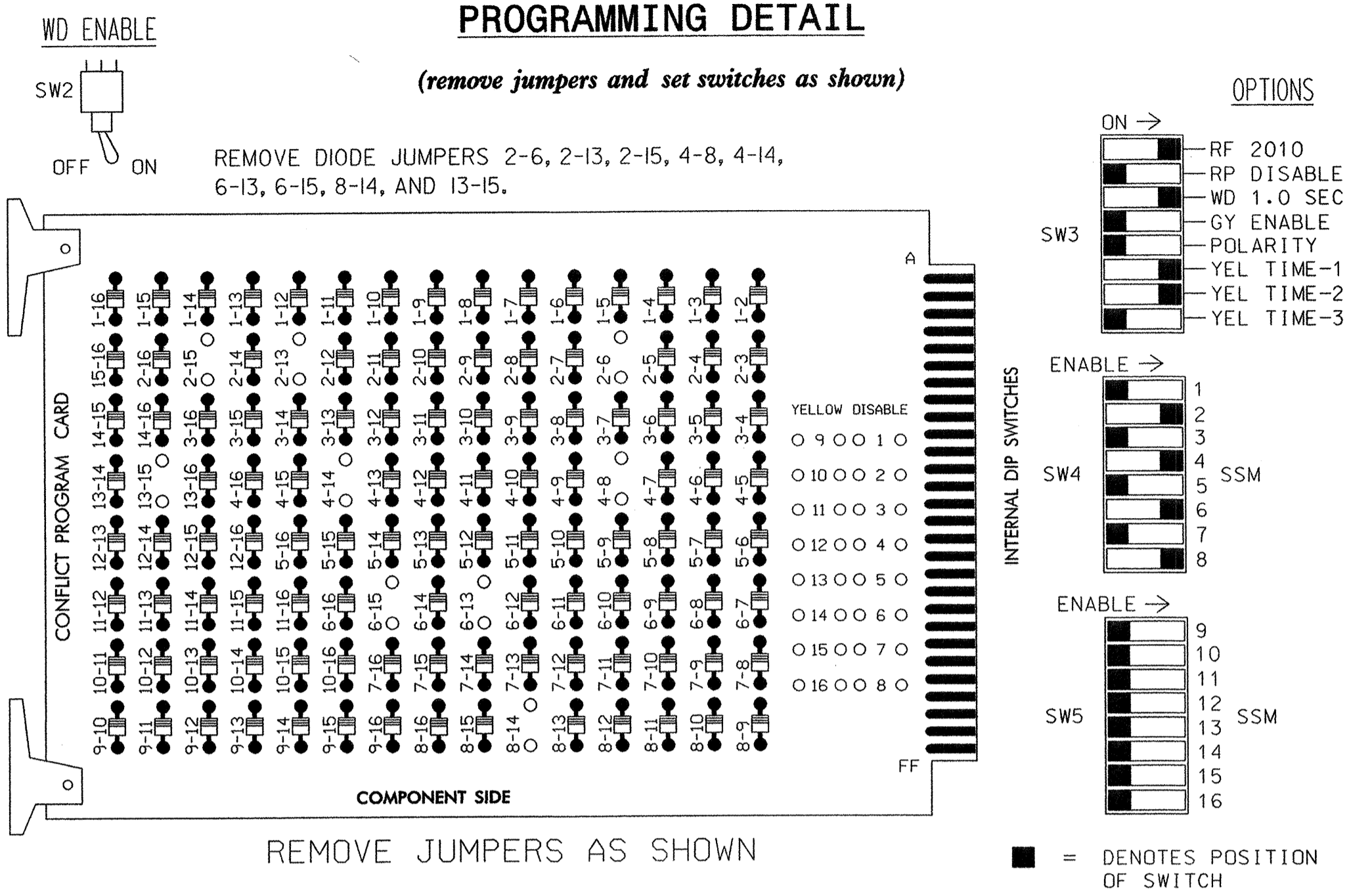


**EDI MODEL 2010ECL CONFLICT MONITOR**

**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 1,3,5,7,9,10,11,12,13,14,15 & 16 TO LOAD SWITCH AC+ PER 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.
- THE CONTROLLER AND CABINET ARE TO BE PROGRAMMED AND WIRED TO BE PART OF A CLOSED LOOP SIGNAL SYSTEM. CONTROLLER ASSET: 0252
- PROGRAM PHASES 2,4 AND 6 FOR 'START-UP PED CALL'.

**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 | NU | 41,42 | P41, P42 | NU | 61,62 | P61, P62 | 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     |    |       |          |    |       |          |    |       |          |    |       |       |
|                 |    |       | 115      |    |       | 106      |    |       | 121      |    |       |       |
|                 |    |       | 113      |    |       | 104      |    |       | 119      |    |       |       |

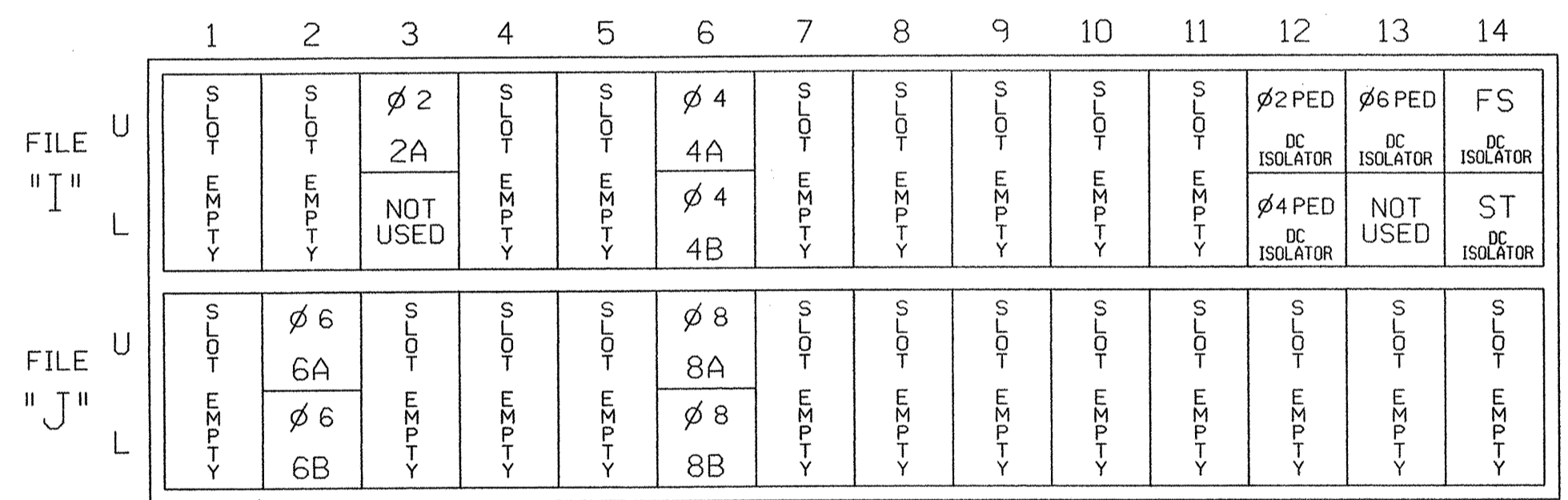
NU = NOT USED

**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,S4,S4P,S6,S6P,S8  
 PHASES USED.....2,2PED,4,4PED,6,6PED,8  
 OVERLAPS.....NONE

**INPUT FILE POSITION LAYOUT**

(front view)



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

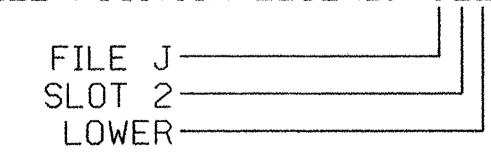
FS = FLASH SENSE  
 ST = STOP TIME

**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 |
|----------|---------------|-----------------|---------|----------------------|--------------|------------|------|--------|-----------------|--------------|------------|
| 2A       | TB2-9,10      | I3U             | 63      | 25                   | 32           | 2          | Y    | Y      | -               | ---          | --         |
| 4A       | TB4-9,10      | I6U             | 41      | 3                    | 4            | 4          | Y    | Y      | -               | ---          | 3          |
| 4B       | TB4-11,12     | I6L             | 45      | 7                    | 14           | 4          | Y    | Y      | -               | ---          | 10         |
| 6A       | TB3-5,6       | J2U             | 40      | 2                    | 6            | 6          | Y    | Y      | -               | ---          | --         |
| 6B       | TB3-7,8       | J2L             | 44      | 6                    | 16           | 6          | Y    | Y      | -               | ---          | --         |
| 8A       | TB5-9,10      | J6U             | 42      | 4                    | 8            | 8          | Y    | Y      | -               | ---          | --         |
| 8B       | TB5-11,12     | J6L             | 46      | 8                    | 18           | 8          | Y    | Y      | -               | ---          | 10         |

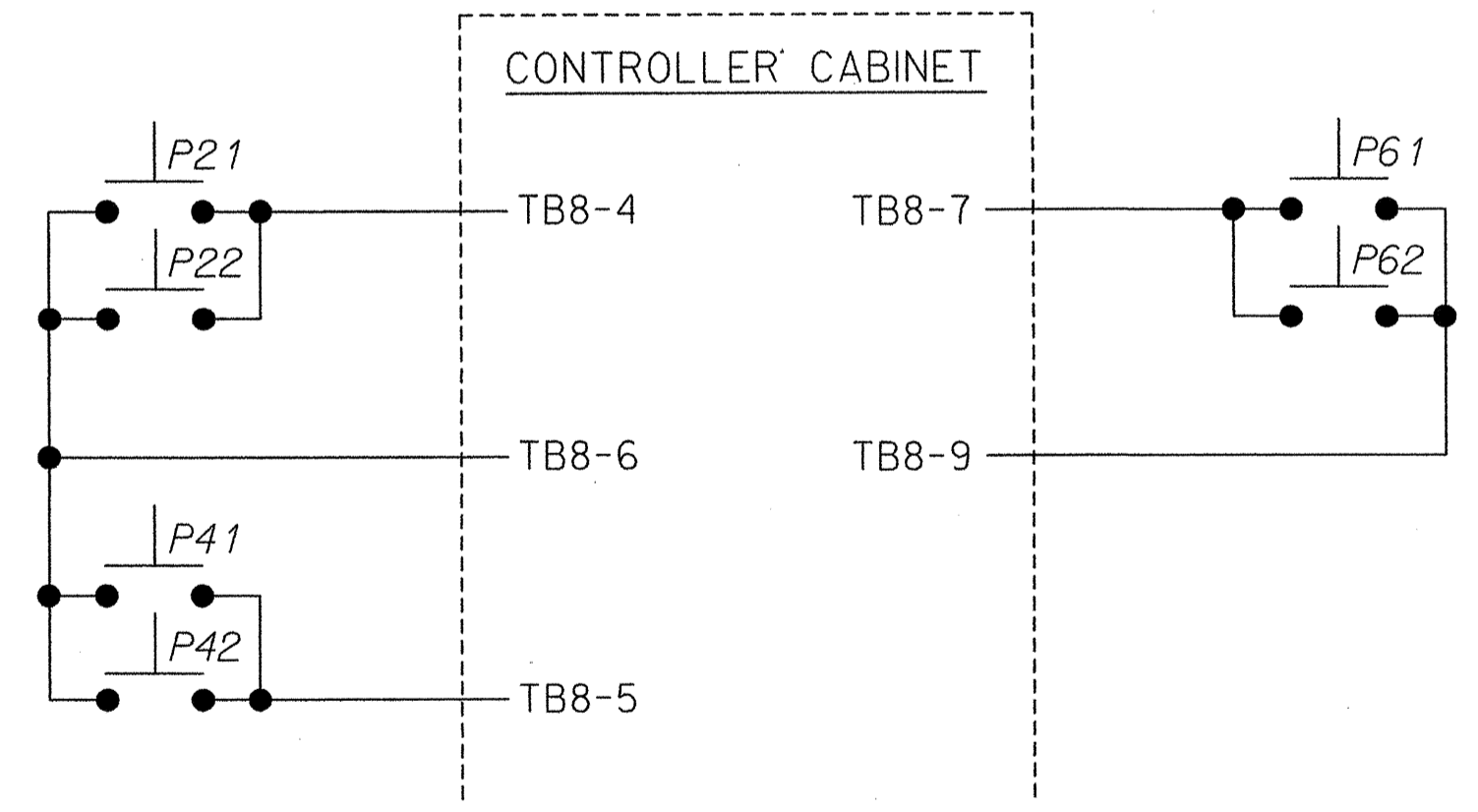
NOTE:  
 INSTALL DC ISOLATORS  
 IN INPUT FILE SLOTS  
 I12 AND I13.

INPUT FILE POSITION LEGEND: J2L



**PEDESTRIAN PUSH-BUTTON WIRING DETAIL**

(wire push-buttons as shown below)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0252 T1  
 DESIGNED: APRIL 2004  
 SEALED: 12/17/04  
 REVISED: TBD

**SIGNAL UPGRADE - TEMPORARY**

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

|   |                           |
|---|---------------------------|
| US 25 (MERRIMON AVENUE / BROADWAY STREET) AT WOODFIN STREET |                           |
| DIVISION 13   | BUNCOMBE COUNTY ASHEVILLE |
| PLAN DATE: DECEMBER 2004                                    | REVIEWED BY: J O DEATON   |
| PREPARED BY: M W YALCH                                      | REVIEWED BY:              |
| REVISIONS   | INIT. DATE                |

SEAL  
  
 SIGNATURE: *James O. Deaton* DATE: 12/23/04  
 SIG. INVENTORY NO. 13-0252 T

PLANS PREPARED BY:  
  
**Mattern & Craig**  
 CONSULTING ENGINEERS • SURVEYORS  
 12 BROAD STREET  
 ASHEVILLE, NORTH CAROLINA 28801  
 (828) 254-2201  
 FAX (828) 254-4562

This Plan Shall Supersede The Plan Previously Signed and Sealed On 7/02/04