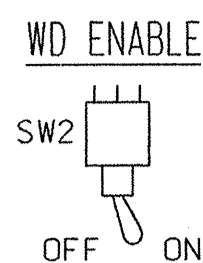


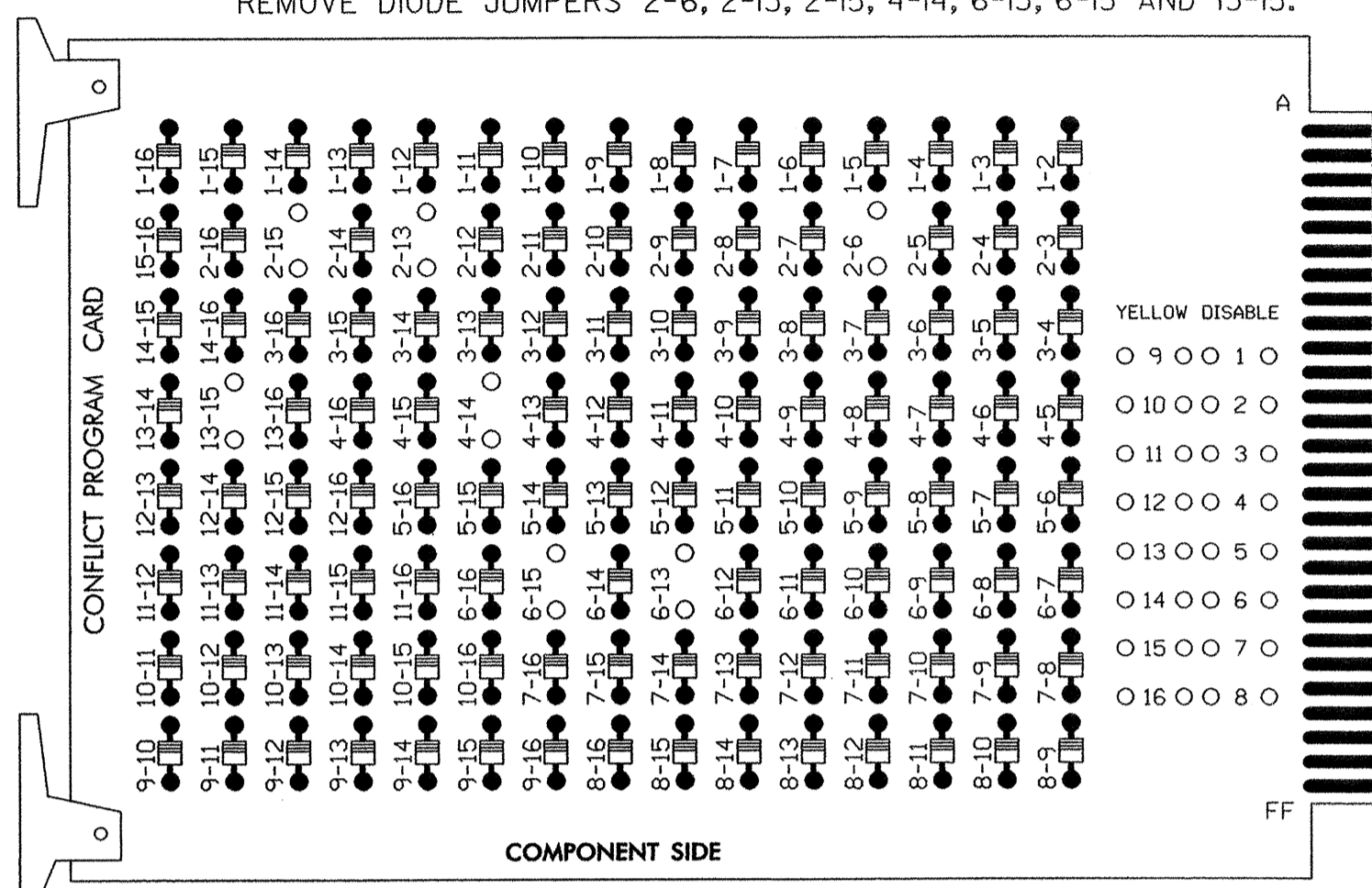
**EDI MODEL 2010ECL CONFLICT MONITOR**

**PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)

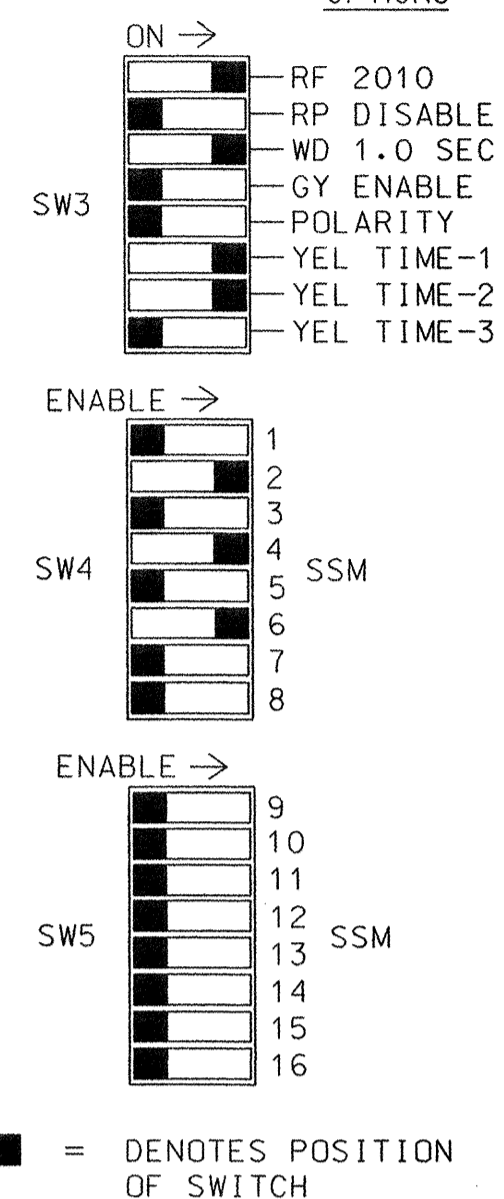


REMOVE DIODE JUMPERS 2-6, 2-13, 2-15, 4-14, 6-13, 6-15 AND 13-15.



REMOVE JUMPERS AS SHOWN

**OPTIONS**



**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 1,3,5,7,8,9,10,11,12,13,14,15 & 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.
- THE CONTROLLER AND CABINET ARE TO BE PROGRAMMED AND WIRED TO BE PART OF THE MERRIMON AVE CLOSED LOOP SIGNAL SYSTEM. CONTROLLER ASSET: 0253
- 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, P43,P44	NU	61,62	P61, P62	NU	NU	NU
GREEN		130			103			136				
YELLOW		129			102			135				
RED		128			101			134				
RED ARROW												
YELLOW ARROW												
GREEN ARROW												
			115			106			121			
			113			104			119			

NU = NOT USED

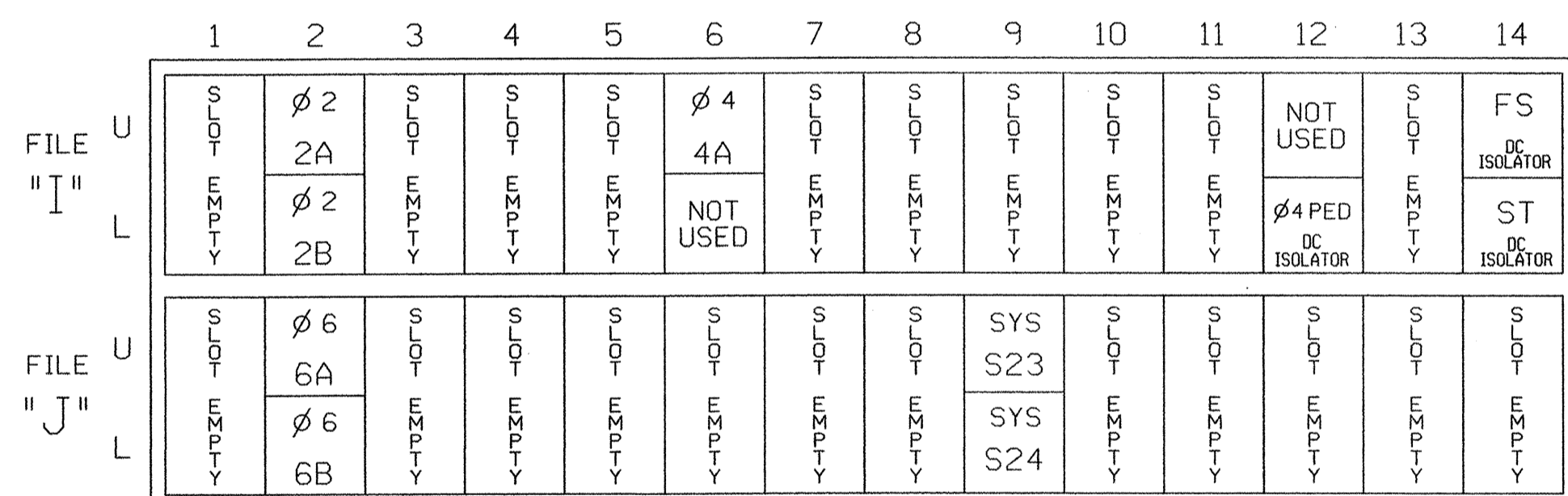
**PEDESTRIAN RECALL PROGRAMMING NOTES**

(program controller as shown below)

- FROM OASIS LOCAL CONTROLLER MAIN MENU, SELECT "2. PHASE CONTROL".
- SELECT "1. PHASE CONTROL FUNCTIONS".
- IN THE ROW TITLED "PED RECALL", SELECT PHASES 2 AND 6.

**INPUT FILE POSITION LAYOUT**

(front view)

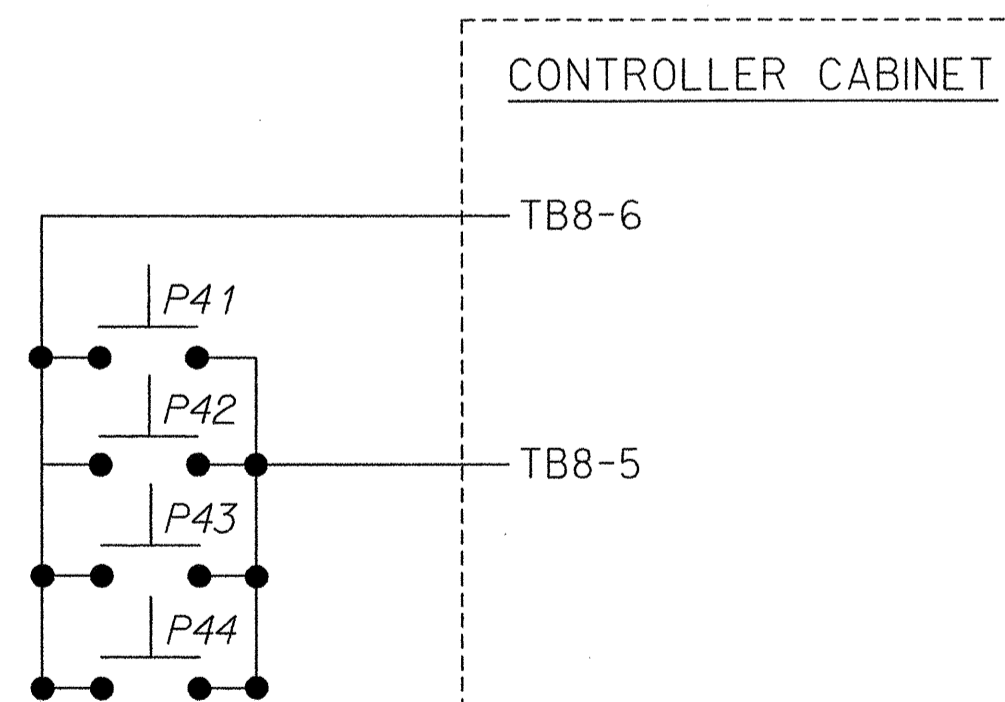


EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
ST = STOP TIME

**PEDESTRIAN PUSH-BUTTON WIRING DETAIL**

(wire push-buttons as shown below)



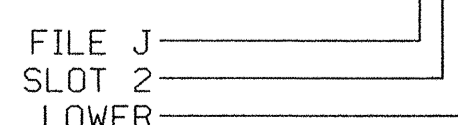
**INPUT FILE CONNECTION & PROGRAMMING CHART**

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	-	---	---
2B	TB2-7,8	I2L	43	5	12	2	Y	Y	-	---	---
4A	TB4-9,10	I6U	41	3	4	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	-	---	---
* S23	TB7-9,10	J9U	59	21	15	SYS	-	-	-	---	---
* S24	TB7-11,12	J9L	61	23	17	SYS	-	-	-	---	---
PED PUSH BUTTONS: P41,P42, P43,P44    TB8-5,6    I12L    69    31    PED 4    4 PED											

NOTE:  
INSTALL DC ISOLATOR IN INPUT FILE SLOT I12.

\* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

INPUT FILE POSITION LEGEND: J2L



**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  
 PHASES USED.....2,2PED,4,4PED,6,6PED  
 OVERLAPS.....NONE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0253  
 DESIGNED: APRIL 2004  
 SEALED: 12/17/04  
 REVISED: TBD

SIGNAL UPGRADE - FINAL

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

WOODFIN STREET AT MARKET STREET/I-240 EB ON-RAMP

Prepared for the Offices of:

Prepared by: M W YALCH    Reviewed by: J O DEATON

DATE: APRIL 2004

REVISIONS:    INIT.    DATE

12/23/04

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER JAMES O. DEATON SEAL 07438

SIG. INVENTORY NO. 13-0253F

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