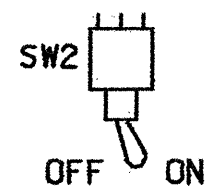


**EDI MODEL 2010ECL CONFLICT MONITOR**

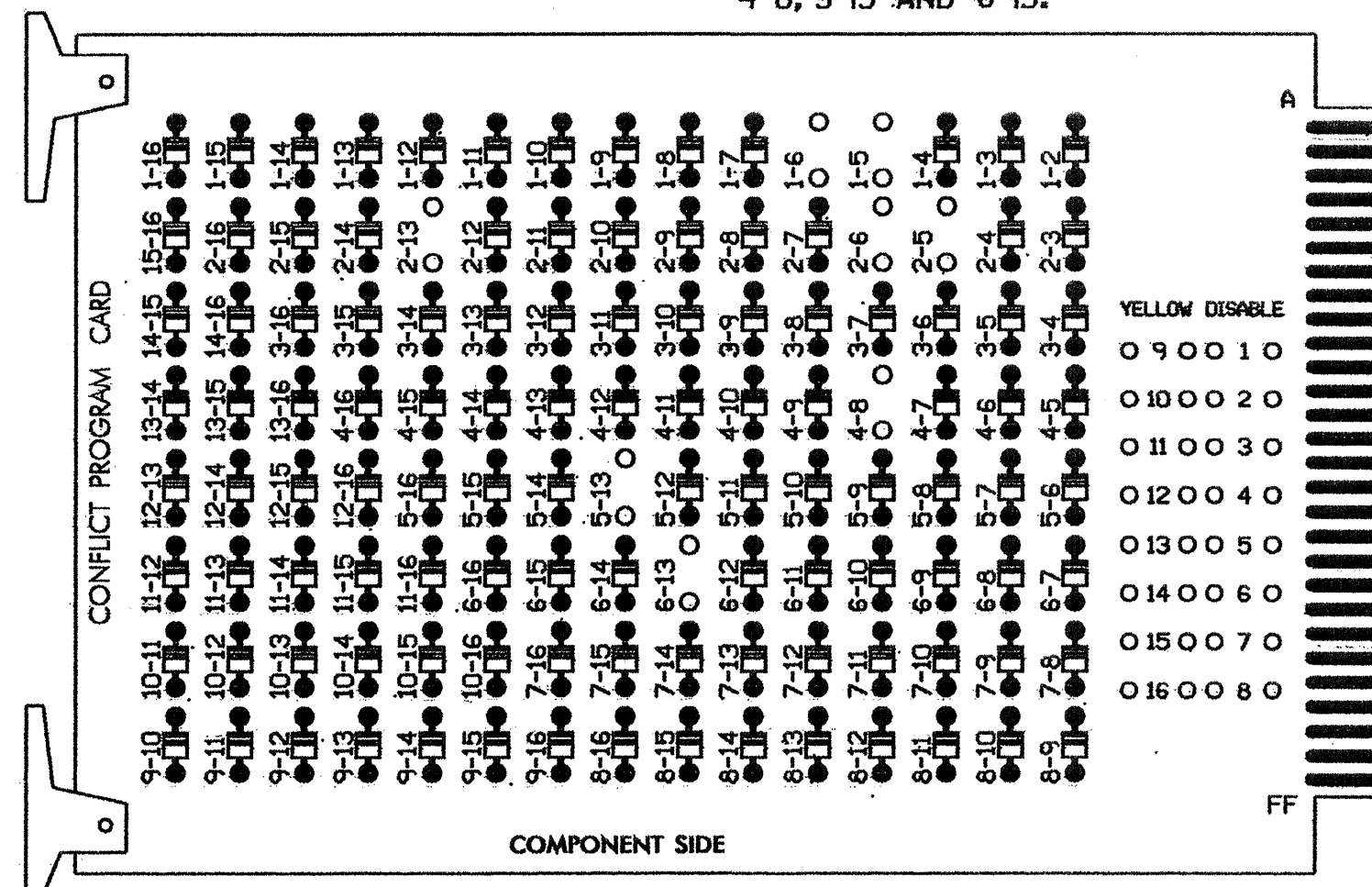
**PROGRAMMING DETAIL**

WD ENABLE



(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 2-5, 2-6, 2-13, 4-8, 5-13 AND 6-13.

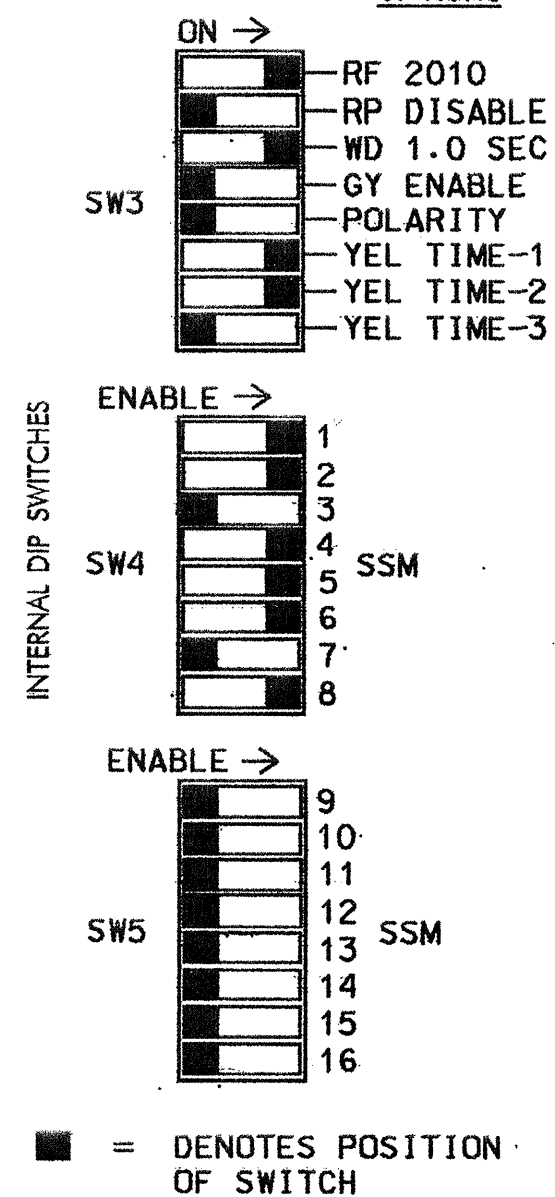


REMOVE JUMPERS AS SHOWN

**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.

**OPTIONS**



**NOTES**

- TO PREVENT "FLASH-CONFLICT" PROBLEMS, INSERT RED FLASH PROGRAM BLOCKS FOR ALL UNUSED VEHICLE LOAD SWITCHES IN THE OUTPUT FILE. 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 3,7,9, 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.
- 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.
- PROGRAM PHASES 4 AND 8, ON CONTROLLER UNIT, FOR DOUBLE ENTRY.
- PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR VOLUME DENSITY OPERATION.

**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.	11	82	21,22, 23	P21, P22	NU	41,42	NU	42	51	61,62, 63	NU	81,82, 83	NU
GREEN			130		103					136		109	
YELLOW			129		102					135		108	
RED			128		101					134		107	
RED ARROW	125								131				
YELLOW ARROW	126	126						132	132				
GREEN ARROW	127	127						133	133				
				115									
				113									

NU = NOT USED

**EQUIPMENT INFORMATION**

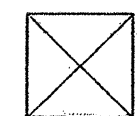
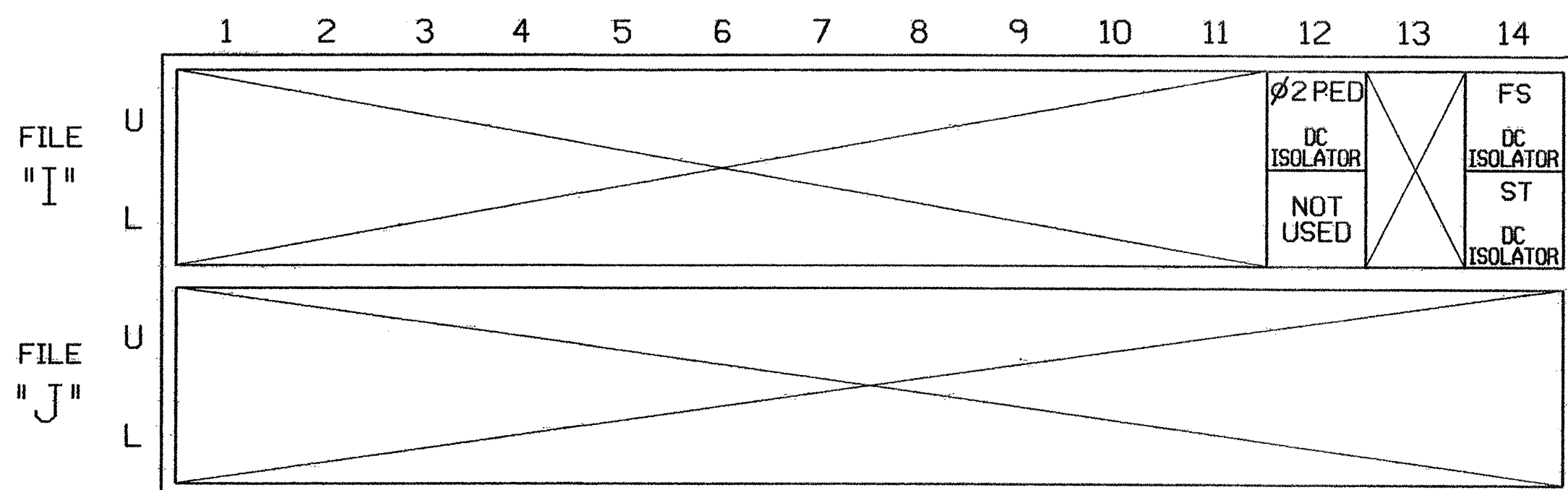
CONTROLLER.....CONTRACTOR SUPPLIED McCAIN 170E  
 CABINET .....CONTRACTOR SUPPLIED McCAIN 332  
 SOFTWARE .....BI TRANS 233NC2  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...12  
 LOAD SWITCHES USED.....S1,S2,S2P,S4,S5,S6,S8  
 PHASES USED.....1,2,4,5,6,8,2PED  
 OVERLAPS.....NONE

**PEDESTRIAN PHASE PROGRAMMING**

PROGRAM PEDESTRIAN 2P OUTPUT AT KEYPAD INPUT E/125+F+5=Ø2.

**INPUT FILE POSITION LAYOUT**

(front view)



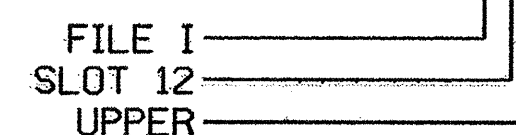
= SEE 'SPECIAL DETECTOR NOTE' BELOW

FS = FLASH SENSE  
 ST = STOP TIME

**PEDESTRIAN PUSH-BUTTON CONNECTION & PROGRAMMING**

PED PUSH BUTTONS	TERMINAL	INPUT FILE POS.	DETECTOR NO.	PIN NO.	ATTRIBUTES	NEMA PHASE
P21, P22	TB8-4,6	I12U	--	67	2	2

INPUT FILE POSITION LEGEND: I12U



DETECTOR ATTRIBUTES LEGEND:

- 1-FULL TIME DELAY
- 2-PED CALL
- 3-RESERVED
- 4-COUNTING
- 5-EXTENSION
- 6-TYPE 3
- 7-CALLING
- 8-ALTERNATE

THIS ELECTRICAL DETAIL IS FOR THE  
 TEMPORARY SIGNAL DESIGN: 05-0432T1  
 DESIGNED: JUNE 2004\*  
 SEALED: 7/19/04\*  
 REVISED: N/A

\*BY KIMLEY-HORN AND ASSOCIATES, INC.  
 P.O. BOX 33068  
 RALEIGH, NC 27636  
 (919) 677-2000

**SPECIAL DETECTOR NOTE**

A VIDEO DETECTION SYSTEM IS EXISTING AND IN USE AT THIS SIGNAL INSTALLATION. THIS CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF CAMERAS AND MODIFICATION OF DETECTION ZONES (PER VIDEO EQUIPMENT MANUFACTURER'S INSTRUCTIONS) TO ACCOMPLISH THE DETECTION SCHEMES SHOWN IN VIDEO ZONE DETECTION CHART ON THE SIGNAL DESIGN PLAN.

**COUNTDOWN PEDESTRIAN SIGNAL OPERATION**

COUNTDOWN PED SIGNALS ARE REQUIRED TO DISPLAY TIMING ONLY DURING PED CLEARANCE INTERVAL. CONSULT PED SIGNAL MODULE USER'S MANUAL FOR INSTRUCTIONS ON SELECTING THIS FEATURE.

**TEMPORARY DESIGN ONE**

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

122 N. McDowell St., Raleigh, NC 27603

NC 54/SR 1959 (S. MIAMI BLVD.)  
 at  
 NC 54/SR 1974 (N. SLATER ROAD)

DIVISION 05 DURHAM COUNTY DURHAM

PLAN DATE: JULY 2004 REVIEWED BY: T. Joyce

PREPARED BY: F.E. RUSS REVIEWED BY:

REVISIONS: INIT. DATE

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 SEAL 022013  
 GEORGE C. BROWN  
 SIGNATURE DATE 7/30/04

SIG. INVENTORY NO. 05-0432T1