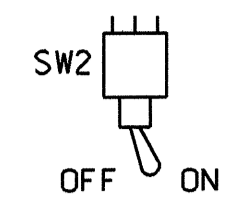


EDI MODEL 2010ECL CONFLICT MONITOR

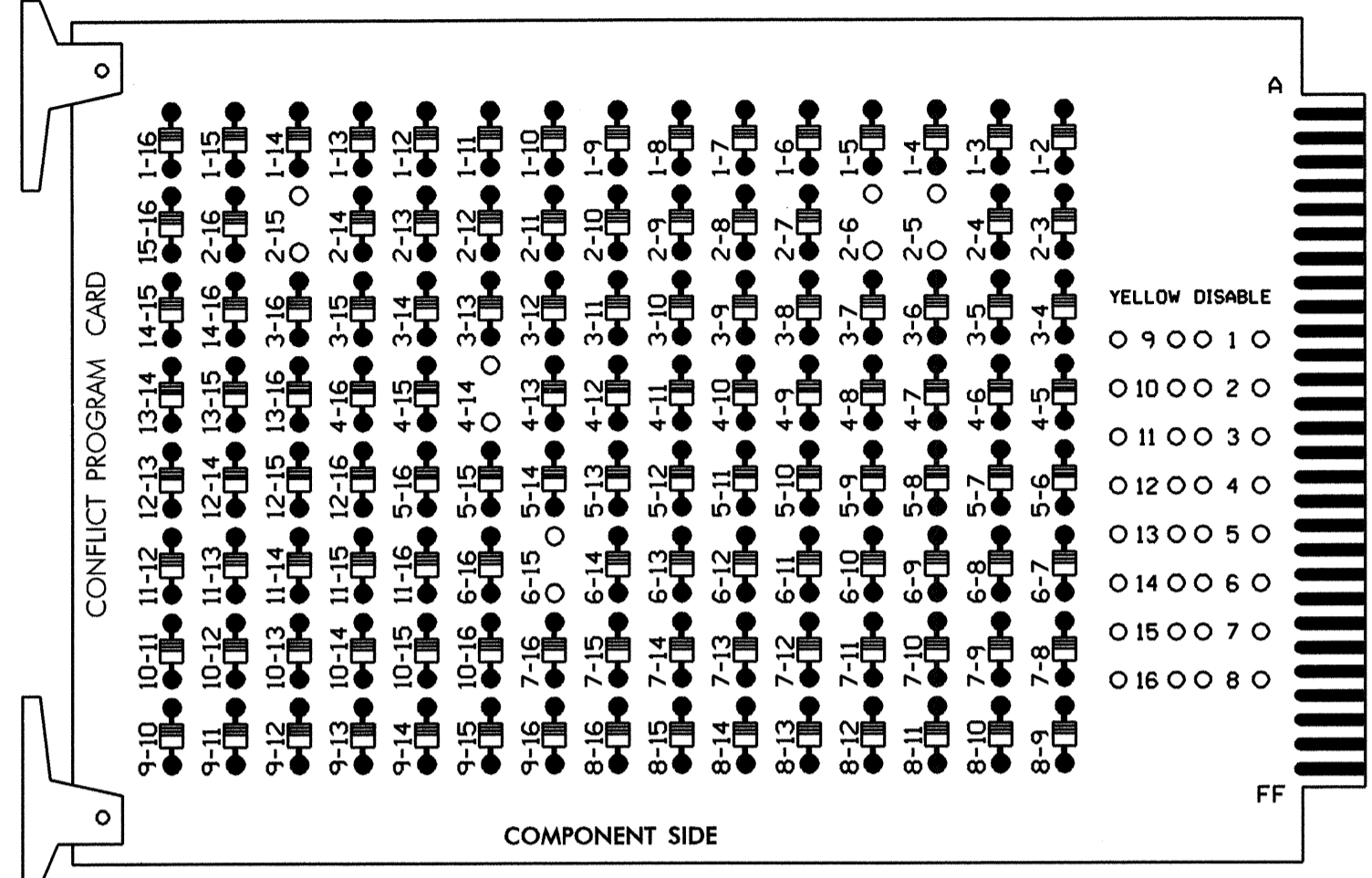
PROGRAMMING DETAIL

WD ENABLE

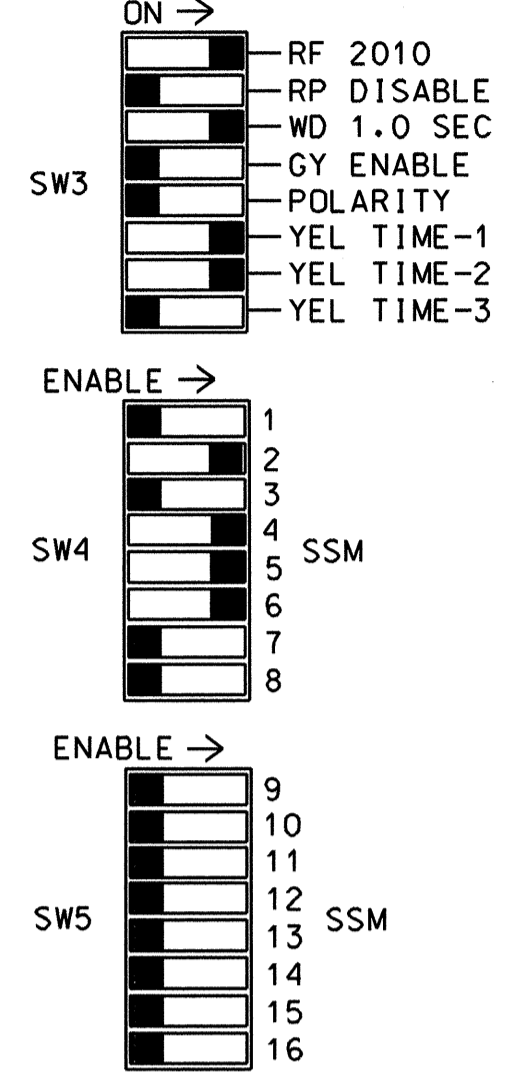


(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-5, 2-6, 2-15, 4-14, AND 6-15.



OPTIONS



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 1,3,7,8,9,10,11,12,13,14,15 & 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.
- IN CONTROL PANEL MENU, PROGRAM START-UP PED CALLS FOR PED4 AND PED6.
- THE CONTROLLER AND CABINET ARE TO BE PROGRAMMED AND WIRED TO BE PART OF A CLOSED LOOP SIGNAL SYSTEM. CONTROLLER ASSET: 0710

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	P41, P42	21	61,62	P61, P62	NU	NU	NU
GREEN		130			103			136				
YELLOW		129			102			135				
RED		128			101		*	134				
RED ARROW												
YELLOW ARROW								132				
GREEN ARROW								133				
								106			121	
								104			119	

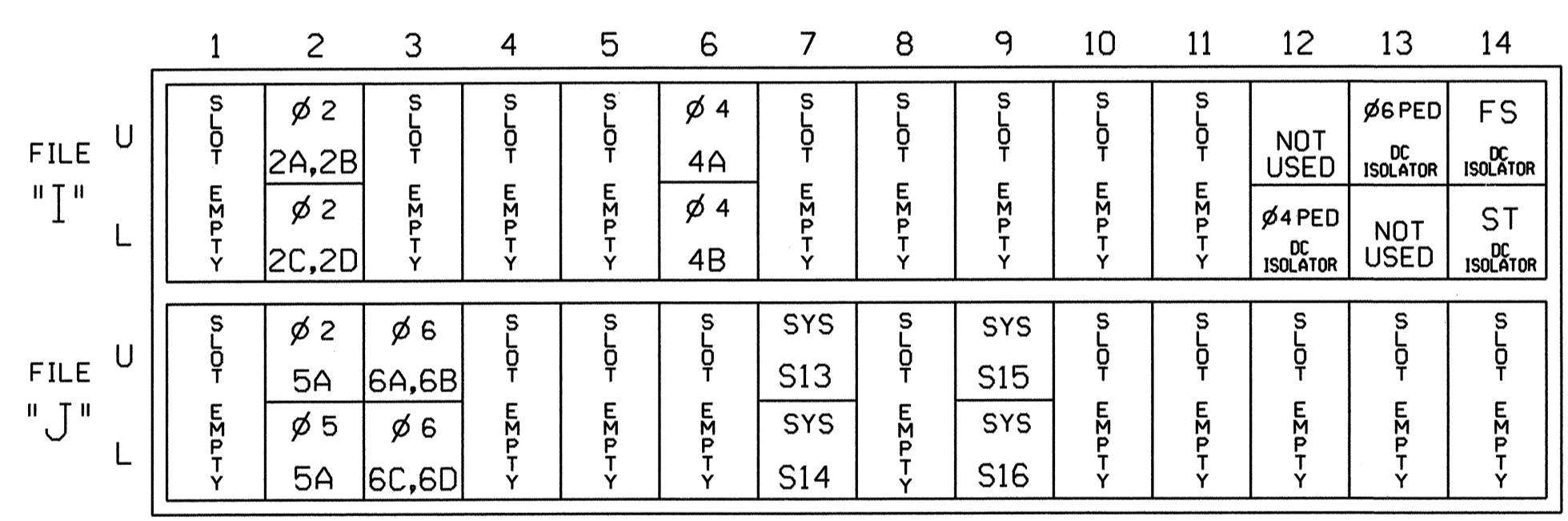
NU = NOT USED
* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

EQUIPMENT INFORMATION

CONTROLLER.....CONTRACTOR SUPPLIED 2070L
CABINETCONTRACTOR SUPPLIED 332
SOFTWAREECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S2,S4,S4P,S5,S6,S6P
PHASES USED.....2,4,4PED,5,6,6PED
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

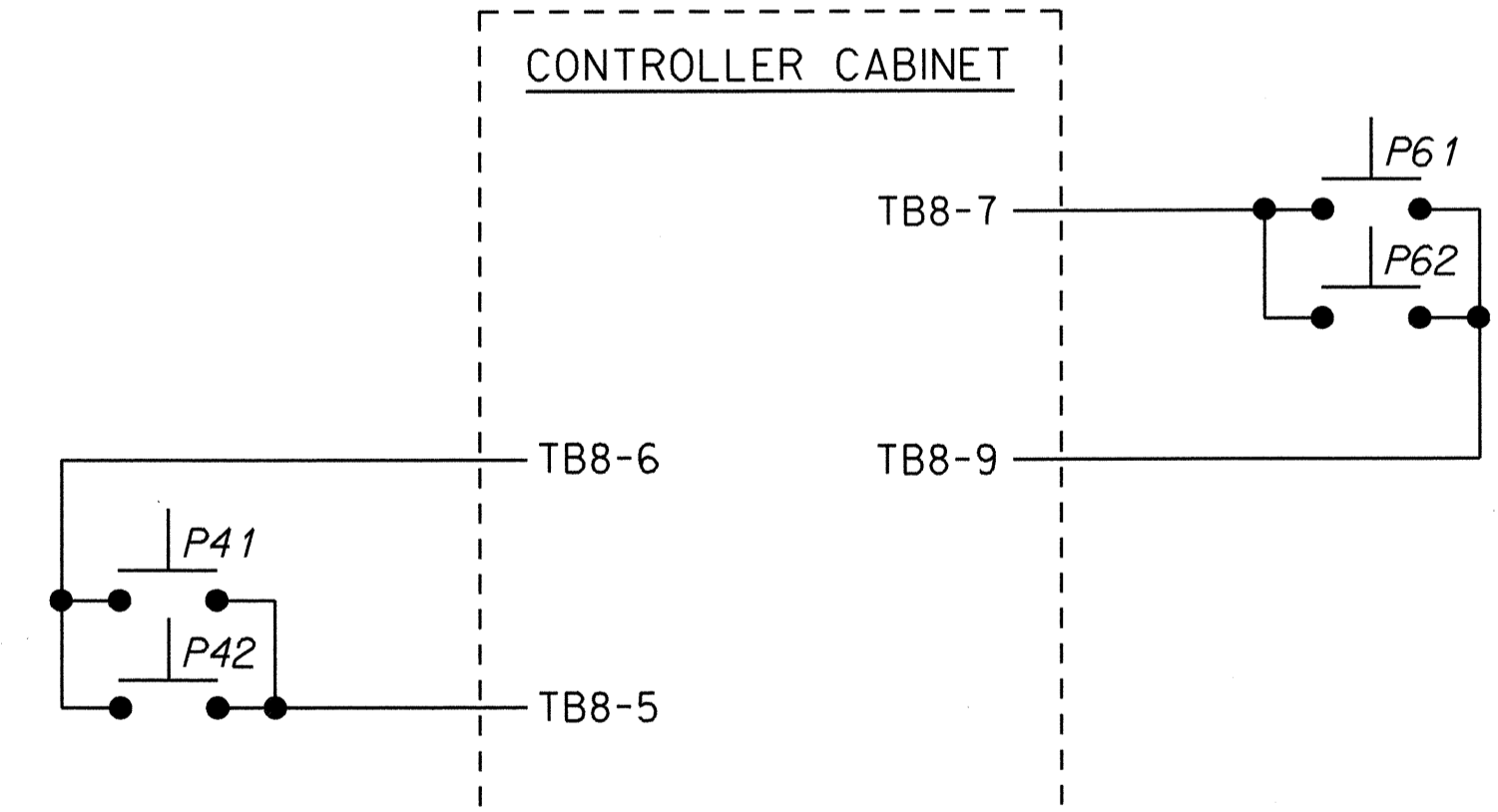
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A,2B	TB2-5,6	I2U	39	1	2	2	Y	Y	-	1.8	--
2C,2D	TB2-7,8	I2L	43	5	12	2	Y	Y	-	---	--
4A	TB4-9,10	I6U	41	3	4	4	Y	Y	-	---	3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y	-	---	10
5A	TB3-5,6	J2U	40	2	6	2	Y	Y	Y	---	3
	TB3-7,8	J2L	44	6	16	5	Y	Y	-	---	15
6A,6B	TB3-9,10	J3U	64	26	36	6	Y	Y	-	1.8	--
6C,6D	TB3-11,12	J3L	77	39	46	6	Y	Y	-	---	--
* S13	TB7-1,2	J7U	66	28	38	SYS	-	-	-	---	--
* S14	TB7-3,4	J7L	79	41	48	SYS	-	-	-	---	--
* S15	TB7-9,10	J9U	59	21	15	SYS	-	-	-	---	--
* S16	TB7-11,12	J9L	61	23	17	SYS	-	-	-	---	--

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

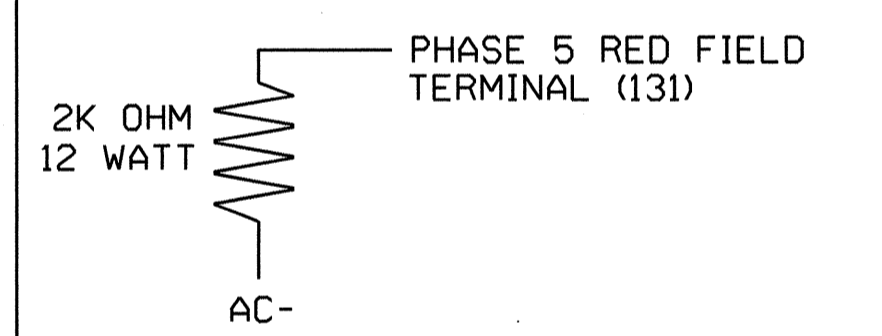
1 DENOTES ADD JUMPERS FOR LOOP 5A FROM TB3-5 TO TB3-7, AND FROM TB3-6 TO TB3-8.
* SYSTEM DETECTOR ONLY. REMOVE THE VEHICLE PHASE ASSIGNED TO THIS DETECTOR IN THE DEFAULT PROGRAMMING.

PEDESTRIAN PUSH-BUTTON WIRING DETAIL

(wire push-buttons as shown below)



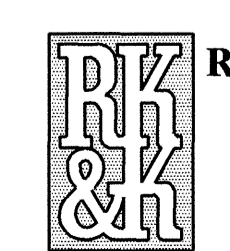
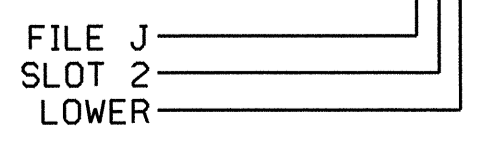
LOAD RESISTOR INSTALLATION DETAIL



NOTE: THE PURPOSE OF THESE RESISTORS IS TO LOAD THE CHANNEL RED MONITOR INPUTS IN ORDER FOR THE SIGNAL SEQUENCE MONITOR TO USE THE FULL SIGNAL SEQUENCE MONITORING CAPABILITY ON CHANNELS THAT DO NOT USE THE RED DISPLAY IN THE FIELD.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0710
DESIGNED: 02/15/2003
SEALED: 02/26/2004
REVISED: TBD

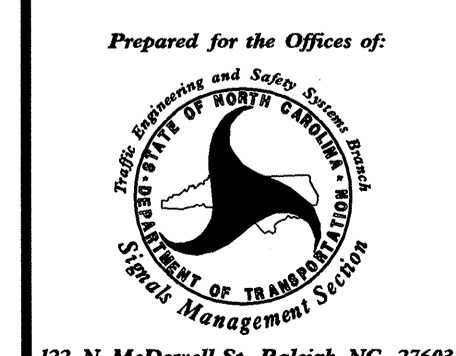
INPUT FILE POSITION LEGEND: J2L



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FOR
DIVISION OF HIGHWAYS

SIGNAL UPGRADE - FINAL

ELECTRICAL AND PROGRAMMING DETAILS FOR:



NC 146 (LONG SHOALS ROAD)
AT
WEST SCHOOL ROAD

DIVISION 13	BUNCOMBE COUNTY	ASHEVILLE
PLAN DATE: JUNE 2003	REVIEWED BY: J O DEATON	
PREPARED BY: M W YALCH	REVIEWED BY:	
REVISIONS	INIT.	DATE

Signature: James O. Deaton
Date: 2/26/04
SIC. INVENTORY NO. 13-0710