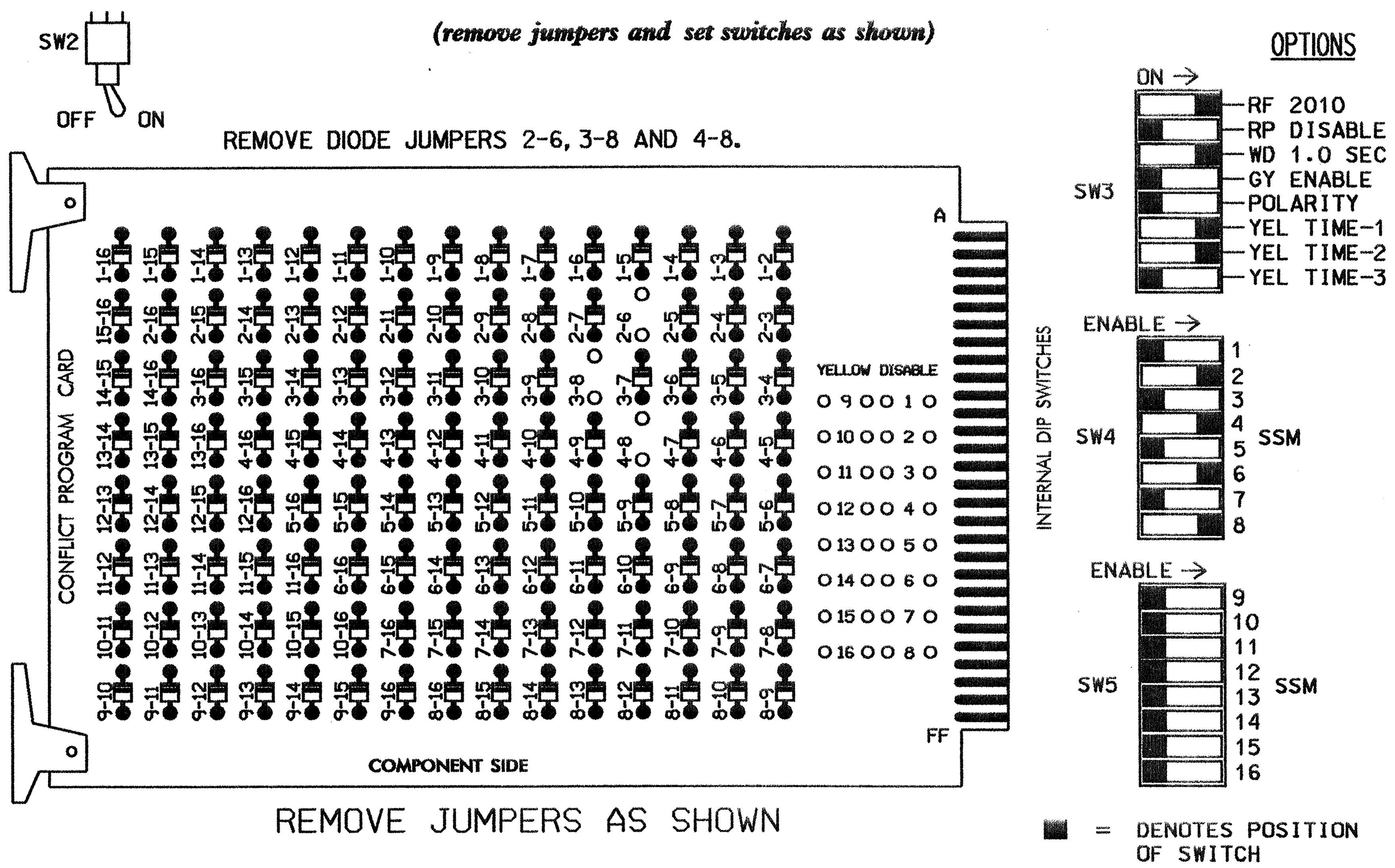
EDI MODEL 2010ECL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES:

1. CARD IS PROVIDED WITH ALL DIODE JUMPERS IN PLACE. REMOVAL OF ANY JUMPER ALLOWS ITS CHANNELS TO RUN CONCURRENTLY.
2. MAKE SURE JUMPERS SEL1-SEL5 ARE PRESENT ON THE MONITOR BOARD.

NOTES

1. 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.
2. 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 THE CABINET MANUFACTURER'S INSTRUCTIONS.
3. PROGRAM CONTROLLER TO START UP IN PHASES 2 AND 6 GREEN.
4. ENABLE SIMULTANEOUS GAP-OUT FEATURE, ON CONTROLLER UNIT, FOR ALL PHASES.
5. PROGRAM PHASES 4 AND 8, ON CONTROLLER UNIT, FOR DUAL ENTRY.
6. PROGRAM PHASES 2 AND 6, ON CONTROLLER UNIT, FOR GAP REDUCTION.

PROJECT REFERENCE NO.	SHEET NO.
R-2539C	SIG. 6

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 22,23	NU	81	41,42	NU	NU	61 62,63	NU	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				118								

NU = NOT USED

* DENOTES INSTALL LOAD RESISTOR. SEE LOAD RESISTOR INSTALLATION DETAIL THIS PAGE.

EQUIPMENT INFORMATION

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

*DENOTED PHASE USED IN PREEMPTION SEQUENCE ONLY.

PREEMPT ONLY PHASE OMIT NOTE

(program controller as shown below)

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). PROGRAM PHASE 3 FOR 'OMIT PHASE' AND PHASES 2, 4, 6 AND 8 FOR 'STARTUP CALLS'. THIS IS TO PREVENT PHASE 3 FROM BEING SERVED WHEN NOT IN PREEMPT.

INPUT FILE POSITION LAYOUT

(front view)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	U	SLOT	ø2 2A	ø2 2C	ø2 2E	SLOT	ø4 4A	ø4 4C	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	FS DC ISOLATOR
	L	EMPTY	ø2 2B	ø2 2D	NOT USED	EMPTY	ø4 4B	NOT USED	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	ST DC ISOLATOR
FILE "J"	U	SLOT	ø6 6A	ø6 6C	ø6 6E	SLOT	ø8 8A	ø8 8C	SLOT	SLOT	SLOT	SLOT	SLOT	SLOT	NOT USED
	L	EMPTY	ø6 6B	ø6 6D	NOT USED	EMPTY	ø8 8B	NOT USED	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	EMPTY	PRE2 AC ISOLATOR

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

FS = FLASH SENSE
ST = STOP TIME
PRE 2 = PREEMPTOR 2 (EV)

INPUT FILE CONNECTION & PROGRAMMING CHART

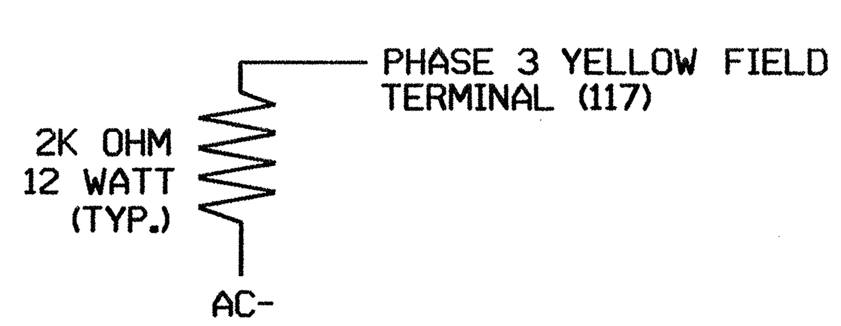
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
2A	TB2-5,6	I2U	39	1	2	2	Y	Y			
2B	TB2-7,8	I2L	43	5	12	2	Y	Y			
2C	TB2-9,10	I3U	63	25	32	2	Y	Y	Y		3
2D	TB2-11,12	I3L	76	38	42	2	Y	Y	Y	2	5
2E	TB4-1,2	I4U	47	9	22	2	Y	Y	Y	2	5
4A	TB4-9,10	I6U	41	3	4	4	Y	Y			3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			15
6A	TB3-5,6	J2U	40	2	6	6	Y	Y			
6B	TB3-7,8	J2L	44	6	16	6	Y	Y			
6C	TB3-9,10	J3U	64	26	36	6	Y	Y	Y		3
6D	TB3-11,12	J3L	77	39	46	6	Y	Y	Y	2	5
6E	TB5-1,2	J4U	48	10	26	6	Y	Y	Y	2	5
8A	TB5-9,10	J6U	42	4	8	8	Y	Y			3
8B	TB5-11,12	J6L	46	8	18	8	Y	Y			
8C	TB7-1,2	J7U	66	28	38	8	Y	Y			15

INPUT FILE POSITION LEGEND: J2L

FILE J
SLOT 2
LOWER

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 02-0312
DESIGNED: JULY 2004
SEALED: 08/25/04
REVISED:

LOAD RESISTOR INSTALLATION DETAIL



NOTE: THE PURPOSE OF THIS RESISTOR IS TO LOAD THE CHANNEL YELLOW MONITOR INPUT IN ORDER TO PREVENT THE SIGNAL SEQUENCE MONITOR FROM DETECTING ANY POSSIBLE 'PHANTOM' (OR FALSE) CONFLICT, AS THIS CHANNEL HAS NO YELLOW FIELD DISPLAY.

SIGNAL UPGRADE - FINAL - SHEET 1 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

NC 55 AT NC 306

Prepared in the Offices of: Signals Management Section, 122 N. McDowell St., Raleigh, NC 27603

DIVISION 02 PAMLICO COUNTY IN GRANTSBORO

PLAN DATE: AUGUST 2004 REVIEWED BY:

PREPARED BY: JAMES PETERSON REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 022013 ENGINEER GEORGE C. BROWN

SIGNATURE 8/31/04 DATE

SIG. INVENTORY NO. 02-0312

30-AUG-2004 11:10
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jpeterson