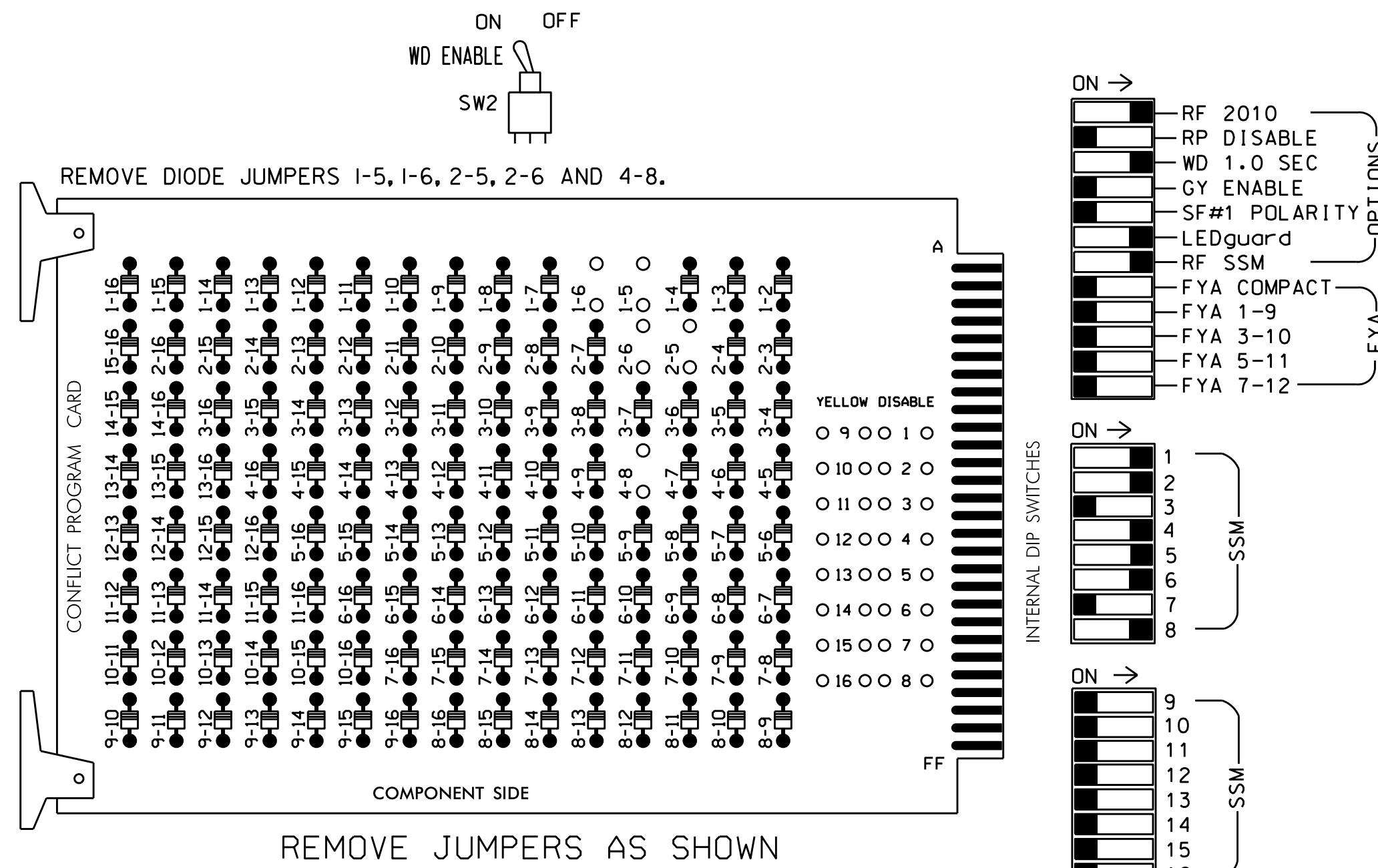


**EDI MODEL 2010ECL-NC CONFLICT MONITOR
PROGRAMMING DETAIL**

(remove jumpers and set switches 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 SEL2-SEL5 are present on the monitor board.
- = DENOTES POSITION OF SWITCH

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.
- To prevent red failures on unused monitor channels, see Red Monitor Board Programming Detail this sheet.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program phases 2 and 6 for Start Up In Green.
- Program phases 2 and 6 for Yellow Flash.

EQUIPMENT INFORMATION

CONTROLLER.....EAGLE TYPE 2070L
CABINET.....MCCAIN/CONTROL TECHNOLOGIES
(DWG.NO.9500-332-NC DOT)
SOFTWARE.....ECONOLITE OASIS
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...12
LOAD SWITCHES USED.....S1,S2,*S2P,S4,*S4P,S5,S6,*S6P,S8,*S8P
PHASES USED.....1,2,4,5,6,8
OVERLAPS.....NONE

* USED FOR ADVANCE BEACON ONLY

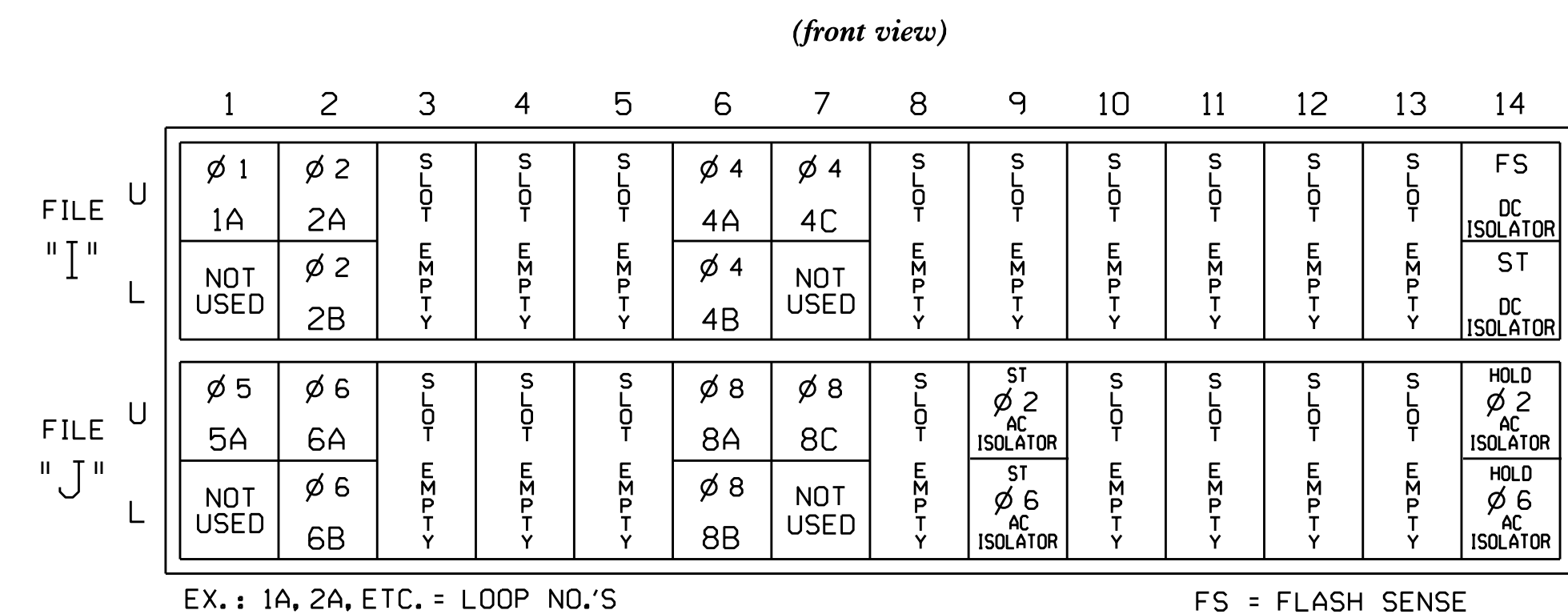
SIGNAL HEAD HOOK-UP CHART

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	**	NU	41,42	**	51	61,62	**	NU	81,82	**
RED		128			101			134				107	
YELLOW		129			102			135				108	
GREEN		130			103			136				109	
RED ARROW	125							131					
YELLOW ARROW	126	126						132					
GREEN ARROW	127	127						133					

NU = Not Used

** Special advance beacons will be wired to S2P-Y, S4P-Y, S6P-Y, and S8P-Y. See wiring and programming details on sheets 9 and 10 of this electrical detail.

INPUT FILE POSITION LAYOUT



CAUTION! BE SURE TO REMOVE SURGE ARRESTORS EXISTING ON INPUT PANEL TERMINALS TB7-9&10 AND TB7-11&12. THIS WILL EQUIP SLOT J9 FOR USE WITH THE AC ISOLATOR CARD AS SHOWN ABOVE.

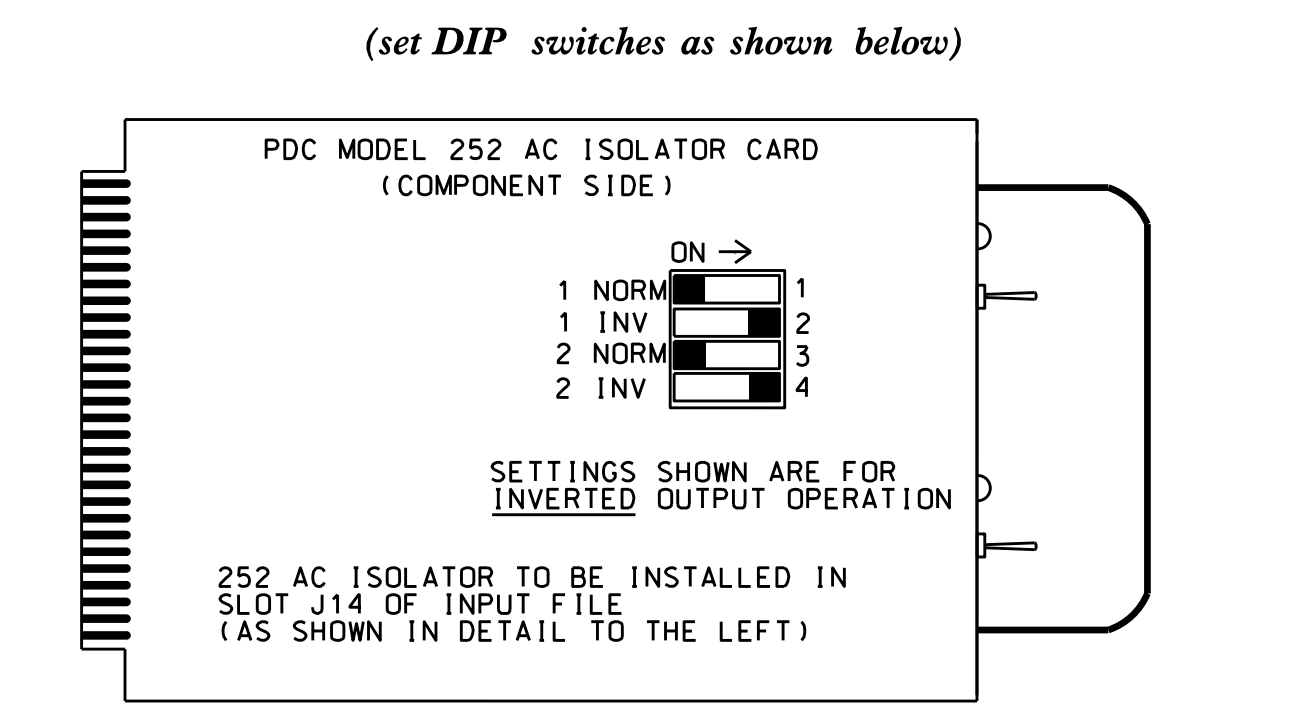
INPUT FILE CONNECTION & PROGRAMMING CHART

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
1A	TB2-1,2	I1U	56	18	1	1	Y	Y			
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			3
4B	TB4-11,12	I6L	45	7	14	4	Y	Y			
4C	TB6-1,2	I7U	65	27	34	4	Y	Y			15
5A	TB3-1,2	J1U	55	17	5	5	Y	Y			
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			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

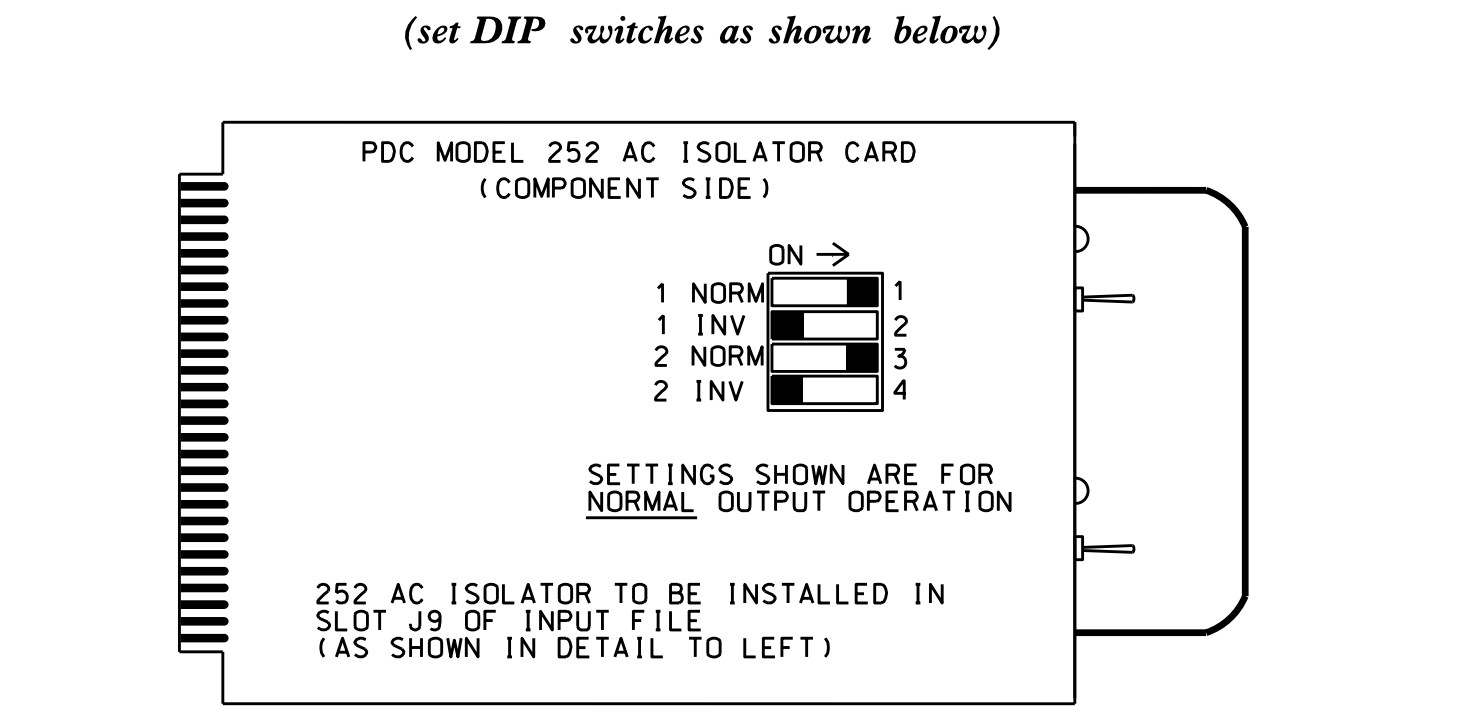
FILE J
SLOT 2
LOWER

PHASE 2+6 HOLD (SLOT J14) AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL FOR LONG VEHICLE DETECTION



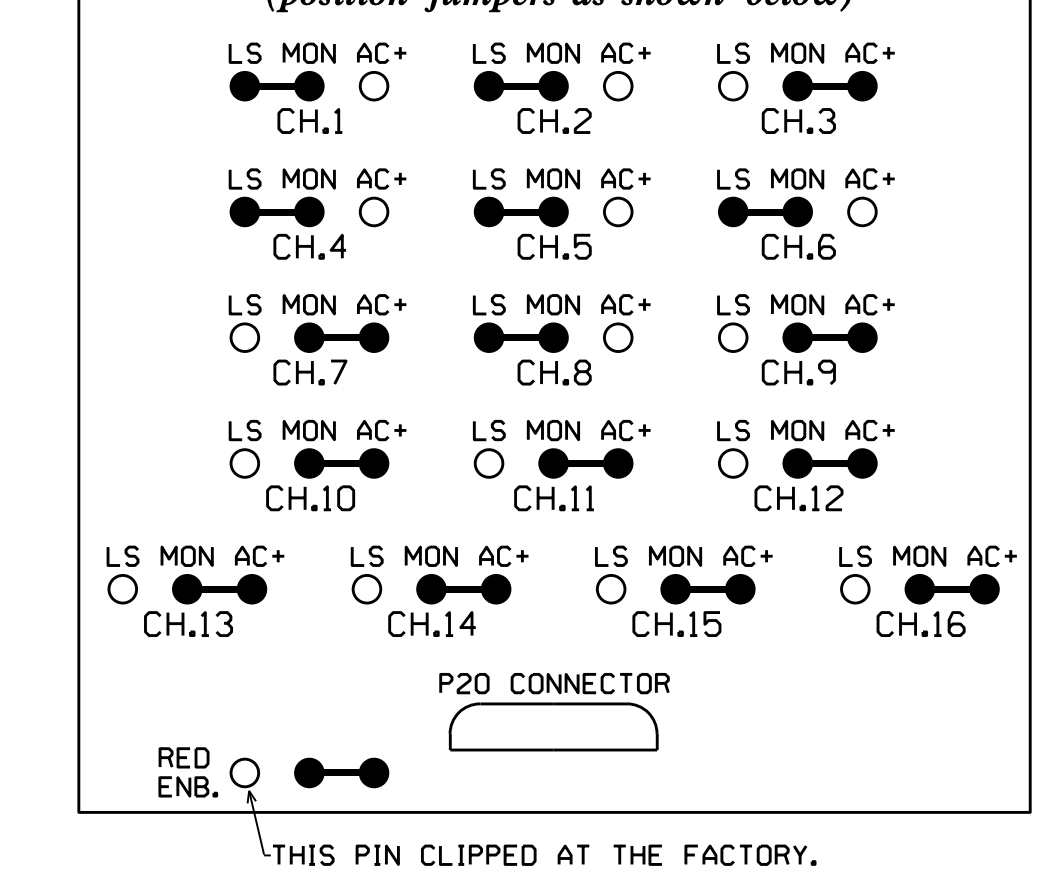
NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

PHASE 2+6 STOP TIME (SLOT J9) AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL FOR DYNAMIC RED EXTEND



NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

RED MONITOR BOARD PROGRAMMING



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0342
DESIGNED: December 2012
SEALED: 12/6/12
REVISED: 7/16/2015

Signal Upgrade - Sheet 1 of 10

Electrical and Programming Details For:

Prepared in the Offices of:

Transporatio Mobility and Safety Solutions
Signal Management System

US 17
at
NC 904 (Longwood Road/
Seaside Road)

Division 3 Brunswick County Grissetown

PLAN DATE: December 2012 REVIEWED BY: JTR

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS

Revised from stretch to Volume Density. (WSA)

DATE 7/20/2015

DocuSigned by:
John T. Rowe, Jr.
12/10/2012

SEAL
PROFESSIONAL ENGINEER
SEAL 008453
JOHN T. ROWE, JR.

SIG. INVENTORY NO. 03-0342

20-JUL-2016 11:15
S:\PROJECTS\115 - Signal\work\hgr\oups\51g_MonMtrmsrtrng\030342_sml.ele.xxx.dgn
sarmstrong