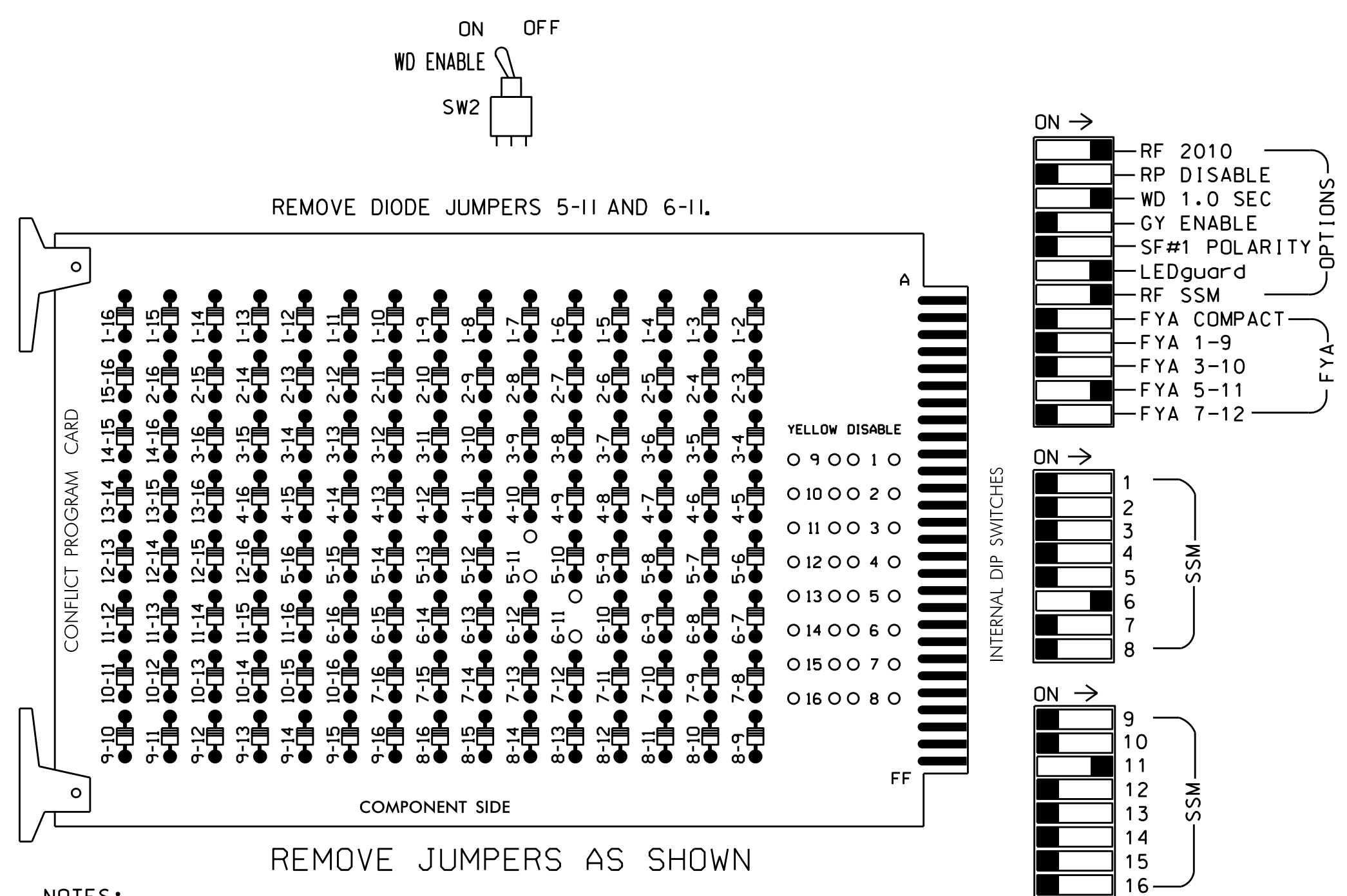


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(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.

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 1,2,3,4,5,7,8, 9,10,12,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Enable Simultaneous Gap-Out, for all phases.
- Program phase 6 for Variable Initial and Gap Reduction.
- Program phase 6 for Start Up In Green.
- Program phase 6 for Yellow Flash.
- The cabinet and controller are part of the Wilmington Signal System.

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	NU	NU	NU	NU	NU	51,52	61,62	NU	NU	NU	NU	NU	NU	NU	51,52	NU	NU
RED								134										
YELLOW							*	135										
GREEN								136										
RED ARROW																A114		
YELLOW ARROW																A115		
FLASHING YELLOW ARROW																A116		
GREEN ARROW								133										

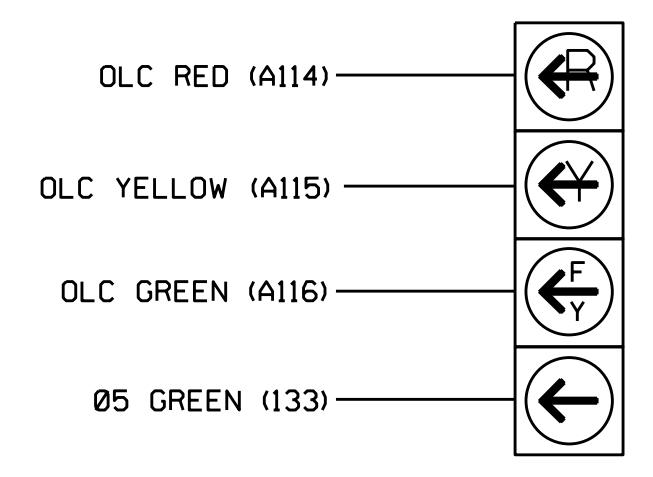
NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 * See pictorial of head wiring in detail below.

EQUIPMENT INFORMATION

CONTROLLER.....2070L
 CABINET332 W/ AUX
 SOFTWAREECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS..18 (12-STD, 6-AUX)
 LOAD SWITCHES USED.....S5,S6,S12
 PHASES USED.....5,6
 OVERLAP A.....NOT USED
 OVERLAP B.....NOT USED
 OVERLAP C.....5+6
 OVERLAP D.....NOT USED

4 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal heads as shown)



51,52

NOTE: The sequence display for these signals requires special logic programming. See sheet 2 of 3 for programming instructions.

PHASE SEQUENCE PROGRAMMING DETAIL

(program controller as shown below)

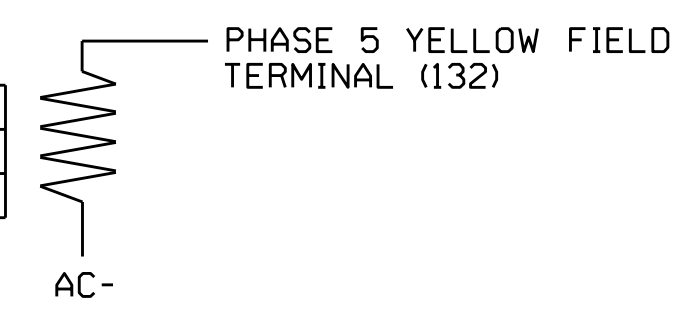
FROM OASIS LOCAL CONTROLLER MAIN MENU
 SELECT: 4 PHASE SEQUENCE

PHASE SEQUENCE: PAGE 1 NEXT: PAGES)							
RNG	LEAD	BARRIER 1	X-LAG	LEAD	BARRIER 2	X-LAG	
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0

NOTE: This phase sequence is utilized to enable sequence page change / TOD events as necessary.

LOAD RESISTOR INSTALLATION DETAIL

ACCEPTABLE VALUES	
VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



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.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-1013
 DESIGNED: February 2008
 SEALED: 5/6/2008
 REVISED: 7/22/2015

Electrical Detail - Sheet 1 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared in the Offices of: 750 Greenfield Pkwy, Garner, NC 27529	US 421 (Carolina Beach Road) at Myrtle Grove North U-Turn		SEAL Not a certified document as to the Original Document but only as to the Revisions - This document originally issued and sealed by F. Royal Hinshaw, #032117, on 5/6/08. This document is only certified as to the revisions.
	Division 3 PLAN DATE: February 2008 PREPARED BY: R. Hinshaw	New Hanover County Myrtle Grove REVIEWED BY: REVISIONS No changes to this electrical plan. (WSA)	

23-JUL-2015 08:37
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