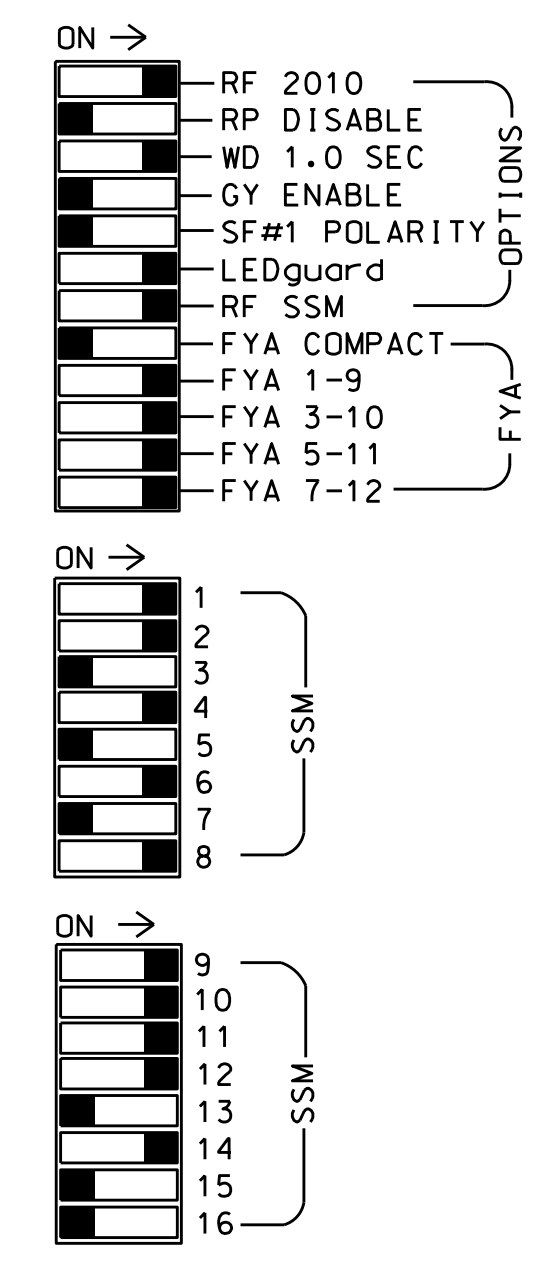
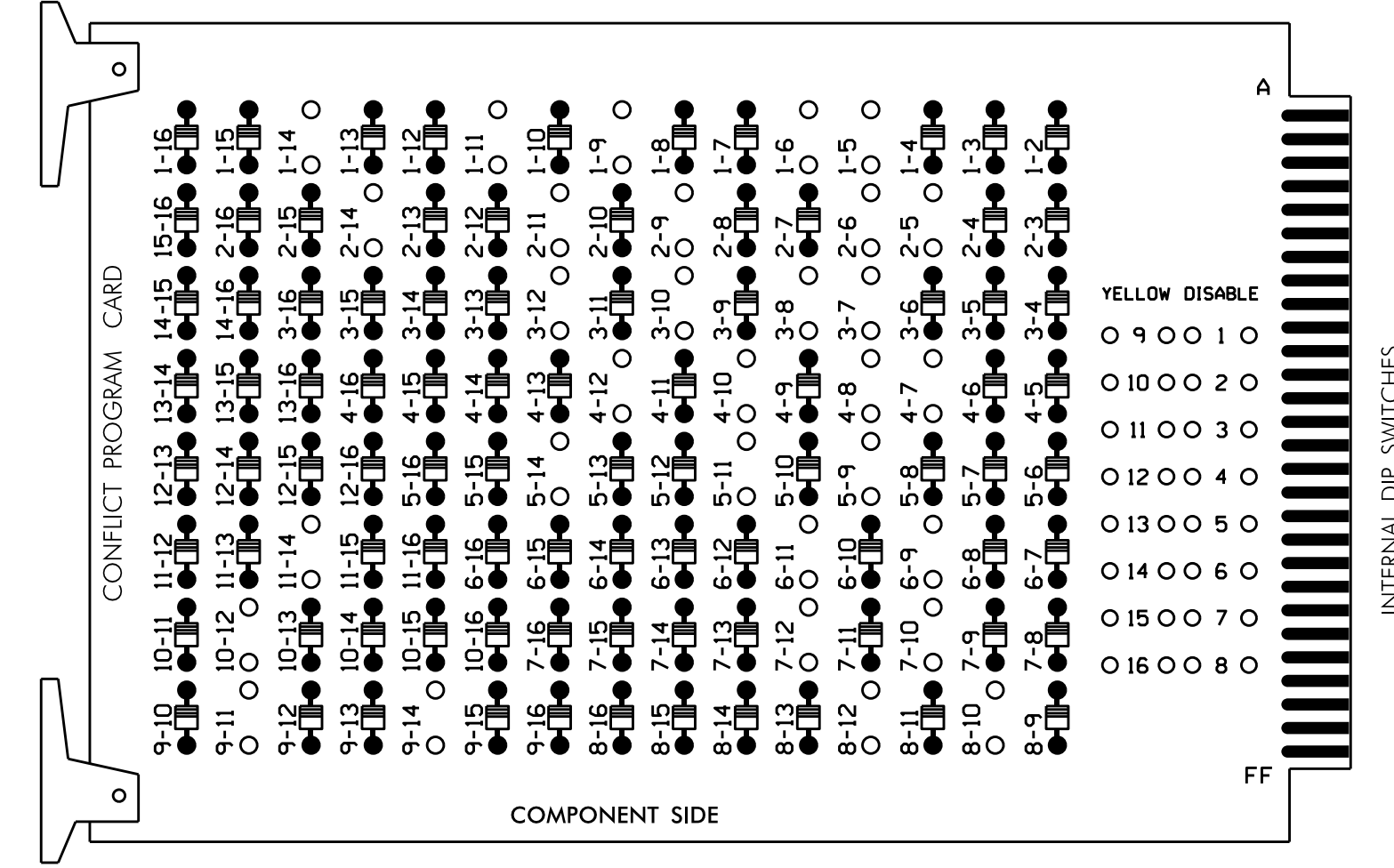


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown) ON OFF
WD ENABLE SW2

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-14, 2-5, 2-6, 2-9, 2-11, 2-14, 3-7, 3-8, 3-10, 3-12, 4-7, 4-8, 4-10, 4-12, 5-9, 5-11, 5-14, 6-9, 6-11, 7-10, 7-12, 8-10, 8-12, 9-11, 9-14, 10-12 and 11-14.



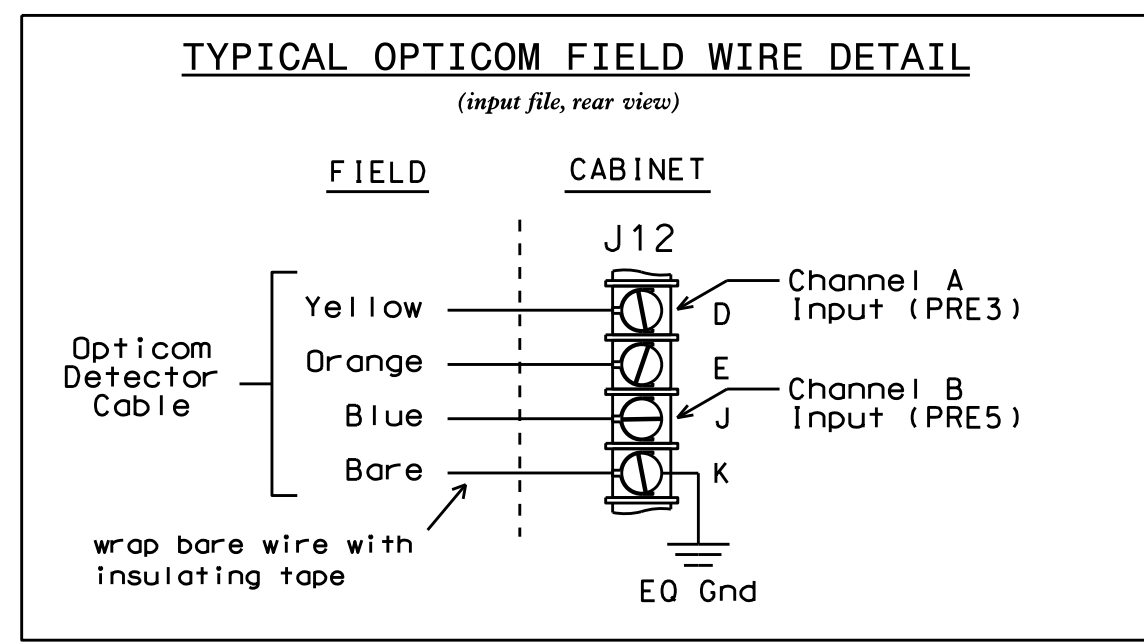
NOTES:

- 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.

INPUT FILE POSITION LAYOUT (front view)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
FILE "I"	∅ 1 1A	∅ 2/SYS 2A/S3	∅ 3 3A	∅ 4 4A	∅ 1 1B	FS DC ISOLATOR								
FILE "J"	∅ 5 5A	∅ 6/SYS 6A/S1	∅ 7 7A	∅ 8 8A	∅ 5 5B	ST DC ISOLATOR								

EX.: 1A, 2A, ETC. = LOOP NO.'S
 ∅ Wired Input - Do not populate slot with detector card
 * See Opticom Field Wire Detail below.
 FS = FLASH SENSE
 ST = STOP TIME
 PRE3,5 = EV PREEMPTS



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 04-0667
 DESIGNED: January 2017
 SEALED: 2/14/17
 REVISED: N/A

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 3,5,7, 13,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- 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, and overlaps 1 and 2 as Wag Overlaps.
- The cabinet and controller are part of the Rocky Mount City System.

Loadswitch S4P requires output remapping. See sheet 4.

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	OLE	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	11	82	21,22	NU	31	41,42	42	51	61,62	71	81,82	NU	11	31	NU	51	71	NU
RED	*	128			101	*		134			107							
YELLOW		129		*	102		*	135		*	108							
GREEN		130			103			136			109							
RED ARROW													A121	A124		A114	A101	
YELLOW ARROW		126					105						A122	A125		A115	A102	
FLASHING YELLOW ARROW													A123	A126		A116	A103	
GREEN ARROW	127	127			118	106	133			124								

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail on sheet 3.
 * See pictorial of head wiring in detail below.

EQUIPMENT INFORMATION

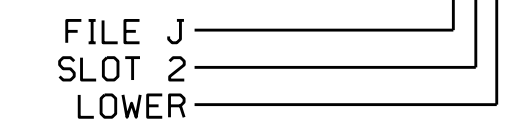
CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 (12-STD; 6-AUX)
 LOAD SWITCHES USED.....S1,S2,S3,S4,S4P,S5,S6,S7,
 S8,S9,S10,S12,S13
 PHASES USED.....1,2,3,4,5,6,7,8
 OVERLAP "A".....1+2
 OVERLAP "B".....3+4
 OVERLAP "C".....5+6
 OVERLAP "D".....7+8
 OVERLAP "E".....5

INPUT FILE CONNECTION & PROGRAMMING CHART

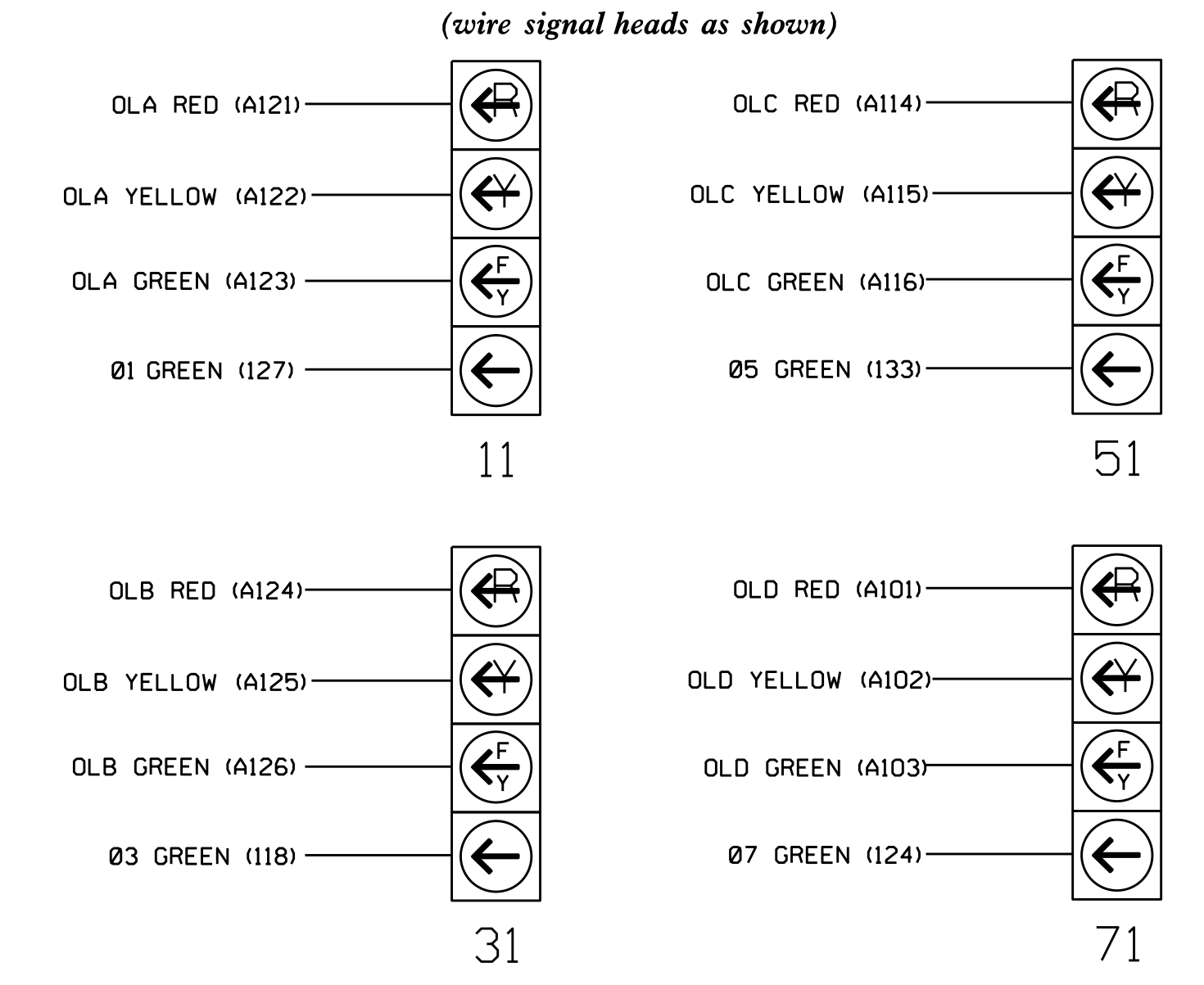
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT ASSIGNMENT NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND	FULL TIME DELAY	STRETCH TIME	DELAY TIME
1A ¹	TB2-1,2	I1U	56	18	1	1	Y	Y			15
	-	J4U	48	10	26	6	Y	Y	Y		3
1B	TB6-9,10	I9U	60	22	11	1	Y	Y			15
	2A/S3	TB2-5,6	I2U	39	1	2	2/SYS	Y	Y		
2B/S4	TB2-7,8	I2L	43	5	12	2/SYS	Y	Y			
	3A ²	TB4-5,6	I5U	58	20	3	3	Y	Y		15
4A	-	J8U	50	12	28	8	Y	Y			3
	TB4-9,10	I6U	41	3	4	4	Y	Y			
5A ³	TB3-1,2	J1U	55	17	5	5	Y	Y			15
	-	I4U	47	9	22	2	Y	Y	Y		3
5B	TB7-9,10	J9U	59	21	15	5	Y	Y			15
	6A/S1	TB3-5,6	J2U	40	2	6	6/SYS	Y	Y		
6B/S2	TB3-7,8	J2L	44	6	16	6/SYS	Y	Y			
	7A ⁴	TB5-5,6	J5U	57	19	7	7	Y	Y		25
8A	-	I8U	49	11	24	4	Y	Y			3
	TB5-9,10	J6U	42	4	8	8	Y	Y			

- Add jumper from I1-W to J4-W, on rear of input file.
- Add jumper from I5-W to J8-W, on rear of input file.
- Add jumper from J1-W to I4-W, on rear of input file.
- Add jumper from J5-W to I8-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



FYA SIGNAL WIRING DETAIL



NOTE

The sequence display for these signals require special logic programming. See sheet 2 for programming instructions.

Electrical Detail - Sheet 1 of 4

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

US 64 Alternate at NC 43 Bypass/ SR 1250 (Springfield Road)

Prepared In the Offices of: **TRANSPO-MOBILITY AND SAFETY SOLUTIONS**

750 N. Greenfield Pkwy, Garner, NC 27529

Division 4 Edgecombe County Rocky Mount

PLAN DATE: February 2017 REVIEWED BY: BAS
 PREPARED BY: B. SIMMONS REVIEWED BY: KMM

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER M. A. ASLAMI

2/22/2017

SIG. INVENTORY NO. 04-0667

04-0667-2017 10:35
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 bjsimmons