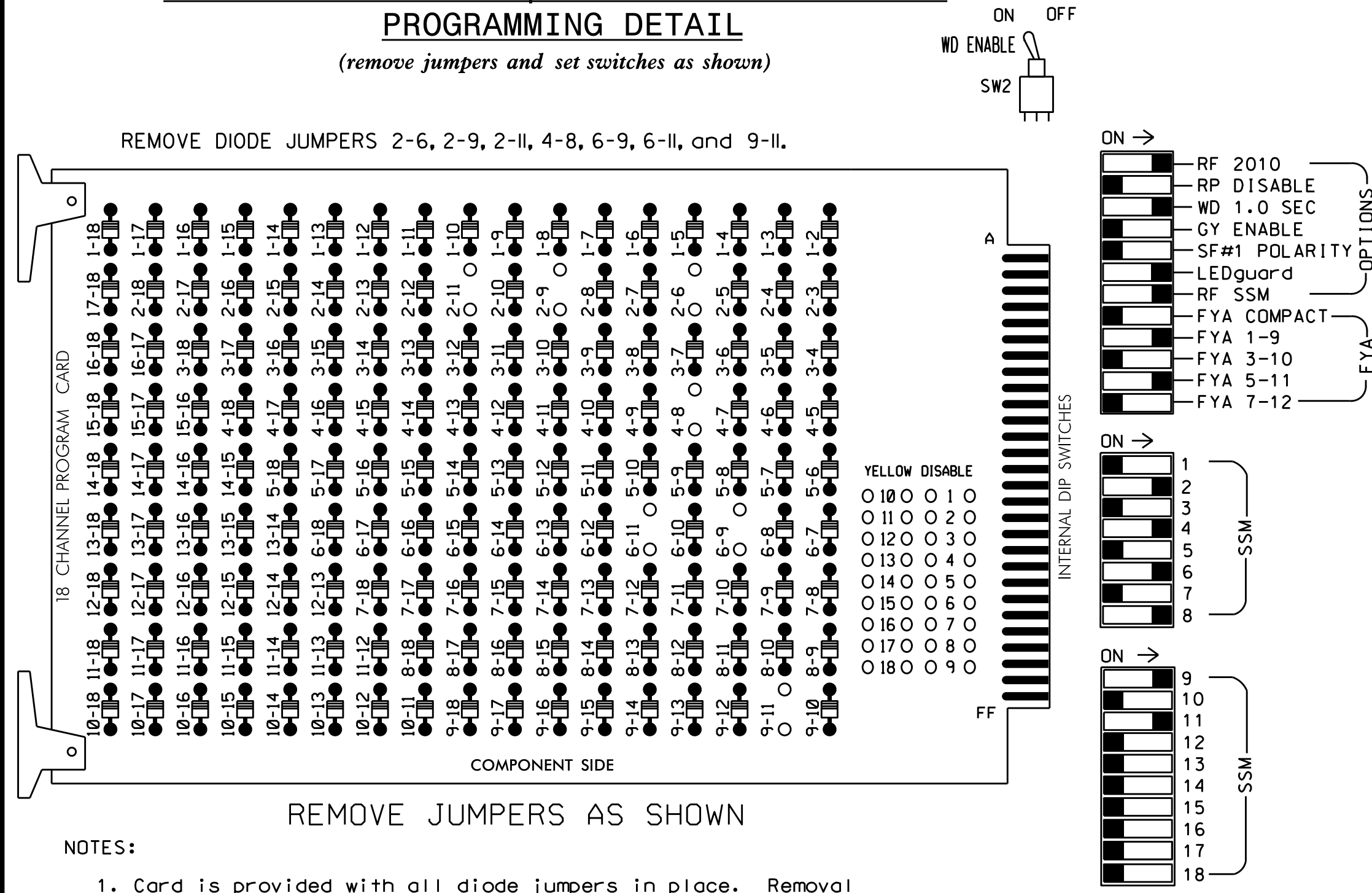


EDI MODEL 2018ECLip-NC CONFLICT MONITOR

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. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

■ = DENOTES POSITION OF SWITCH

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. Initialize database in Naztec 2070 local software (Apogee) as FULL-MODE 5. This initialization should be done prior to programming controller.
3. Program phases 2 and 6 for Start Up In Green.
4. Program "Start Up Flash" for 0 sec. The conflict monitor will govern start-up flash time.
5. Ensure "Local Flash Start" feature is set to "ON".
6. Program phases 4 and 8 for Dual Entry.
7. The cabinet and controller are part of the City of Greensboro Signal System.

EQUIPMENT INFORMATION

CONTROLLER.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....NAZTEC APOGEE
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 (12-STD, 6-AUX)
 LOAD SWITCHES USED.....S2,S5,S8,S11,AUX S1,AUX S4
 PHASES USED.....2,4,6,8
 OVERLAP A.....*
 OVERLAP B.....NOT USED
 OVERLAP C.....*
 OVERLAP D.....NOT USED

* SEE OVERLAP PROGRAMMING DETAIL SHEET 2

SIGNAL HEAD HOOK-UP CHART

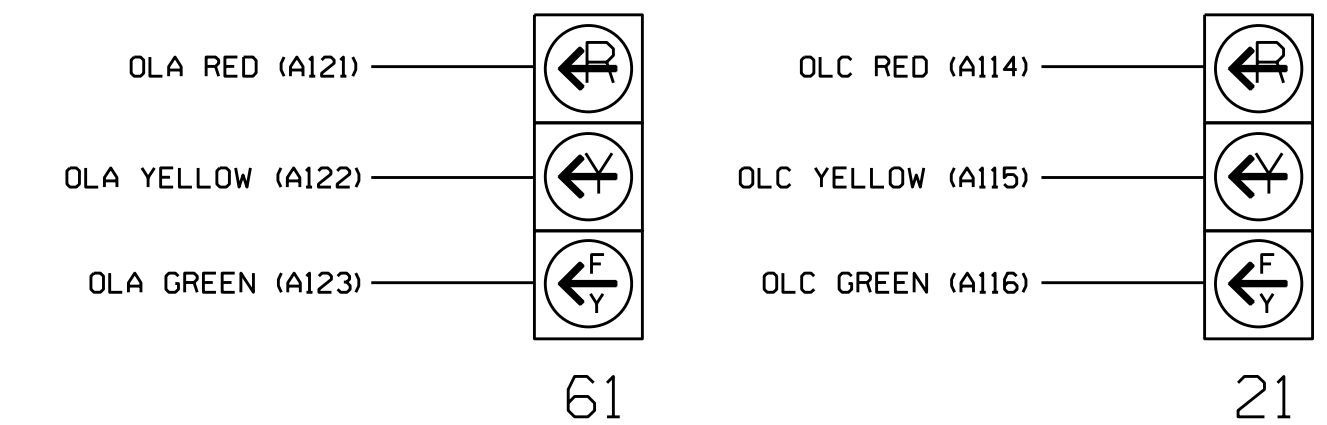
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMJ CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	22,23	NU	NU	41,42	NU	NU	62,63	NU	NU	81,82	NU	61*	NU	NU	21*	NU	NU
RED		128			101			134			107							
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW													A121				A114	
YELLOW ARROW													A122				A115	
FLASHING YELLOW ARROW													A123				A116	
GREEN ARROW																		
Hand icon																		
Person icon																		

NU = Not Used

* See pictorial of head wiring in detail below.

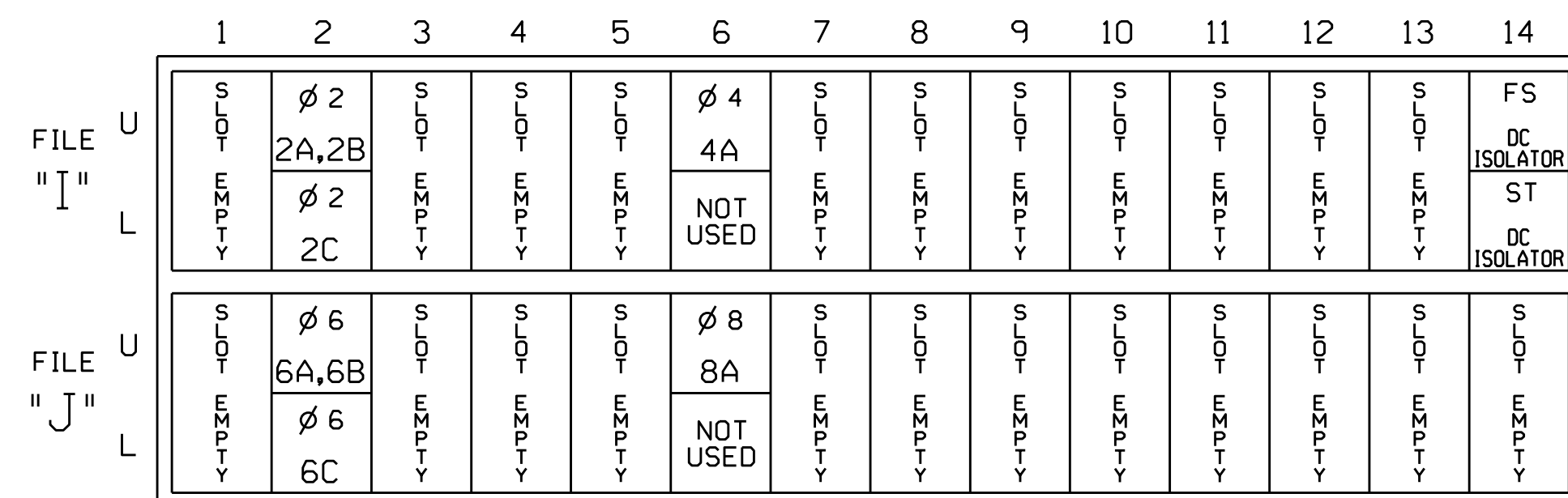
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)



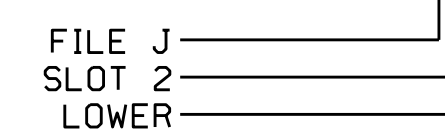
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	CALL PHASE	SWITCH	DELAY TIME	EXTEND TIME	CALL	EXTEND	ADDED INIT.
2A,2B	TB2-5,6	I2U	39	2	2				X	X	
2C	TB2-7,8	I2L	43	3	2				X	X	
4A	TB4-9,10	I6U	41	8	4		5		X	X	
6A,6B	TB3-5,6	J2U	40	16	6				X	X	
6C	TB3-7,8	J2L	44	17	6				X	X	
8A	TB5-9,10	J6U	42	22	8		5		X	X	

INPUT FILE POSITION LEGEND: J2L



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: GBO-041T
 DESIGNED: March 2016
 SEALED: 4/19/2016
 REVISED: N/A

Electrical Detail - Temporary - Sheet 1 of 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
 PUBLIC UTILITIES AND SAFETY SERVICE BOARD
 STATE OF NORTH CAROLINA
 Signal Management System

Lawndale Drive at Regents Park Lane

Division 7 Guilford County Greensboro

PLAN DATE: April 2016 REVIEWED BY: BAS

PREPARED BY: S. Armstrong REVIEWED BY:

REVISIONS INIT. DATE

Seal: KEITH M. MIMS ENGINEER 036880

DocuSigned by: Keith M. Mims 4/25/2016

750 N. Greenfield Pkwy, Garner, NC 27529

SIG. INVENTORY NO. GBO-041T