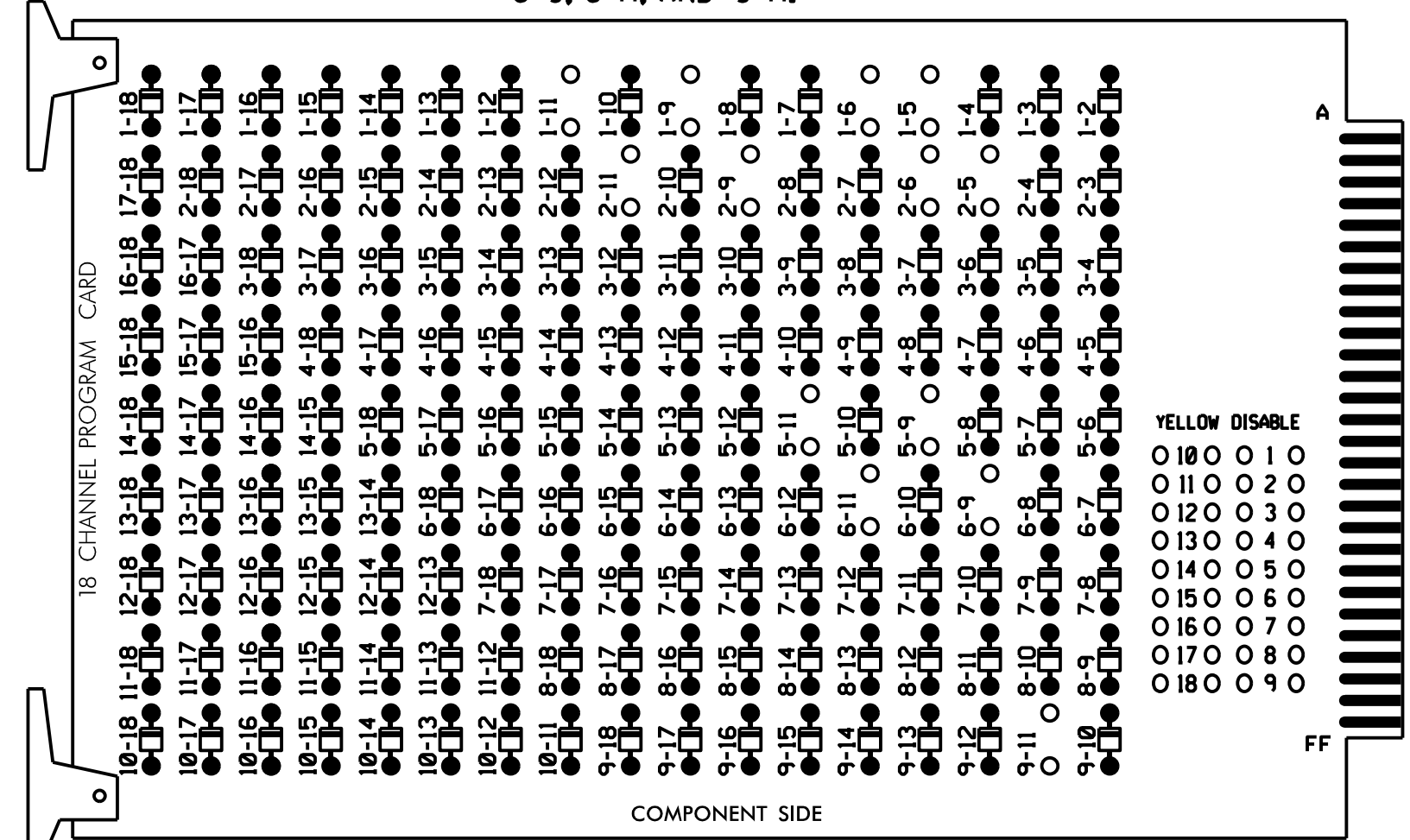


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

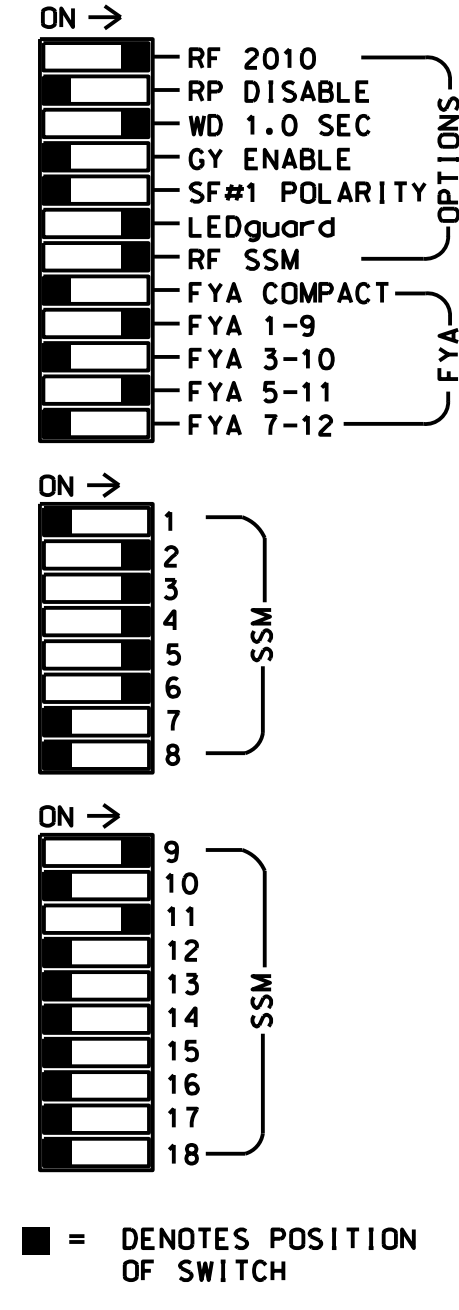
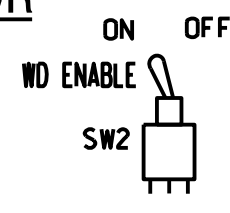
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 5-9, 5-11, 6-9, 6-11, AND 9-11.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



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.
- Program controller to start up in phase 2 Green and 6 Green.
- The cabinet and controller are part of the SR 4771 (Reedy Fork Parkway) CLS. Signal System: 10727.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
 CABINET.....332 W/AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,AUX S1, AUX S4
 PHASES USED.....1,2,3,4,5,6
 OVERLAP "A".....*
 OVERLAP "B".....NOT USED
 OVERLAP "C".....*
 OVERLAP "D".....NOT USED
 * See overlap programming detail on sheet 2

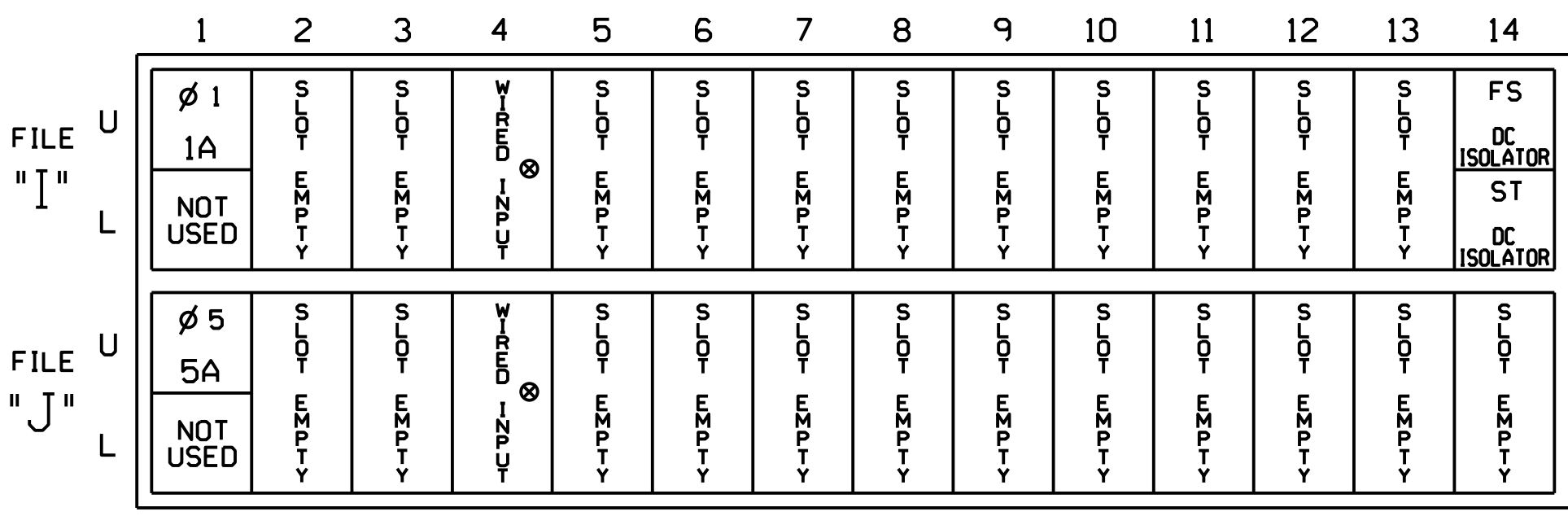
SIGNAL HEAD HOOK-UP CHART

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	
CMU 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.	11	21,22	NU	31	32	42	43,44	62	NU	51	43	61,62	NU	NU	NU	11	NU	51	NU
RED		128		116	116	101	101			*		134							
YELLOW	*	129		117	117	102	102					135							
GREEN		130		118	118	103	103					136							
RED ARROW																A121		A114	
YELLOW ARROW								102				132				A122		A115	
FLASHING YELLOW ARROW																A123		A116	
GREEN ARROW	127			118	103	103		133	133										
Hand icon																			
Person icon																			

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

INPUT FILE POSITION LAYOUT

(front view)



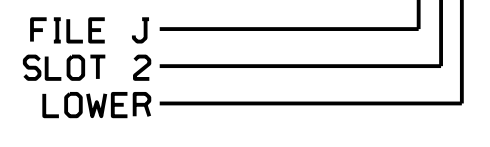
EX.: 1A, 2A, ETC. = LOOP NO.'S
 FS = FLASH SENSE
 ST = STOP TIME
 ⊗ Wired Input - Do not populate slot with detector card

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
1A ¹	TB2-1,2	J1U	56	1	1	YES		15		S
	-	J4U	48	26	6	YES				S
5A ²	TB3-1,2	J1U	55	5	5	YES		15		S
	-	14U	47	22	2	YES				S

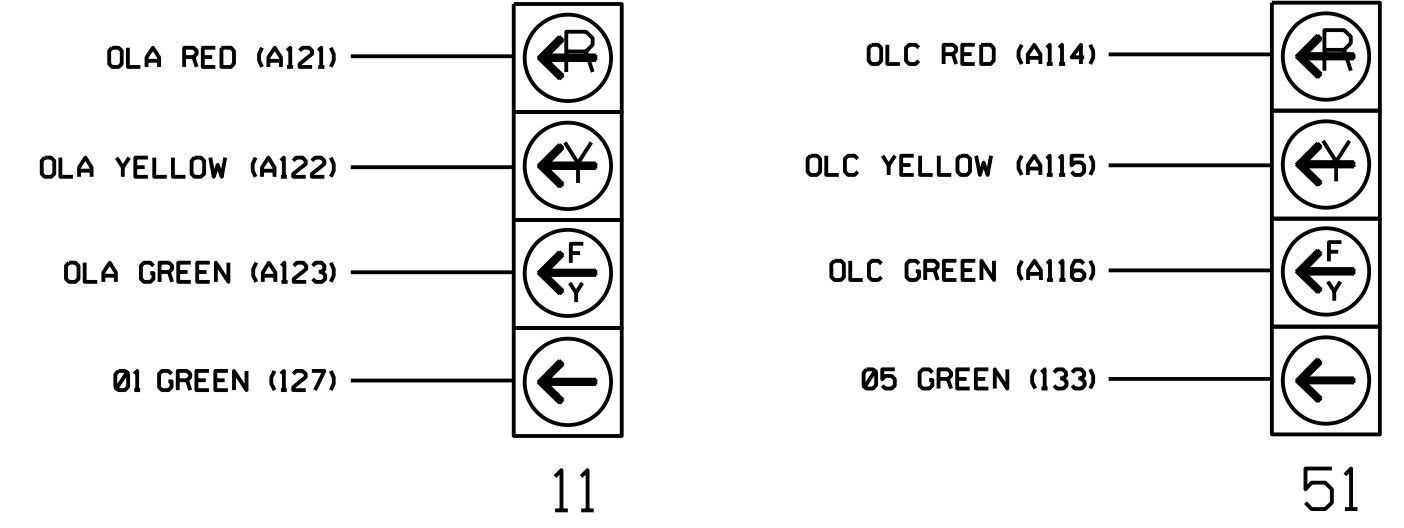
¹Add jumper from I1-W to J4-W, on rear of input file.
²Add jumper from J1-W to I4-W, on rear of input file.

INPUT FILE POSITION LEGEND: J2L



FYA SIGNAL WIRING DETAIL

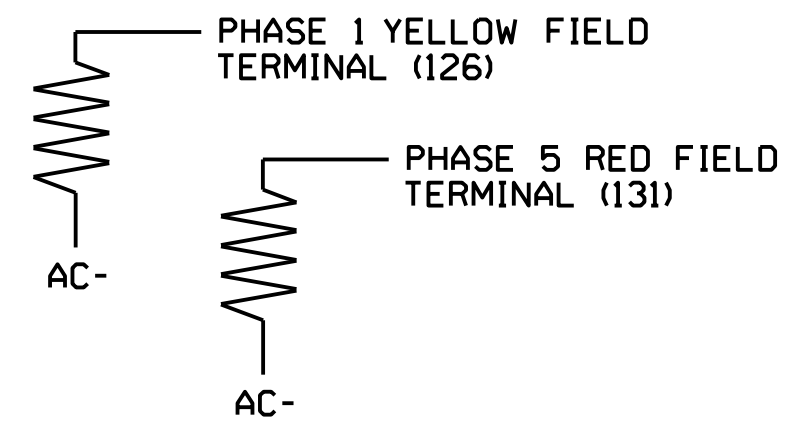
(wire signal heads as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

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



SPECIAL DETECTOR NOTE

- Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT Engineer-Approved mounting locations to accomplish the detection schemes shown on the signal design plans.
- For loops 1A and 5A detector card placement and slot reserved for wired input is typical for a NCDOT installation.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 07-0903T3
 DESIGNED: April 2020
 SEALED: 04/20/2020
 REVISED: N/A

Project #: 180914

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 NCBELS FIRM LICENSE NO. C-2522

Electrical Detail - Sheet 1 of 2
 Temporary Design 3 (TMP Phase IV - Step 4)

	Prepared For SR 4771 (Reedy Fork Parkway) at SR 2526 (Summit Avenue)/ Dixie Sales Driveway	
	Division 7 PLAN DATE: April 2020 PREPARED BY: T.S. Warren	Guilford County GREENSBORO REVIEWED BY: L. Boyer REVIEWED BY:
REVISIONS	INIT.	DATE

750 N. Greenfield Pkwy, Corner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

SEAL 030912

DocuSigned by: Lori M. Boyer
 04/20/2020

SIG. INVENTORY NO. 07-0903T3