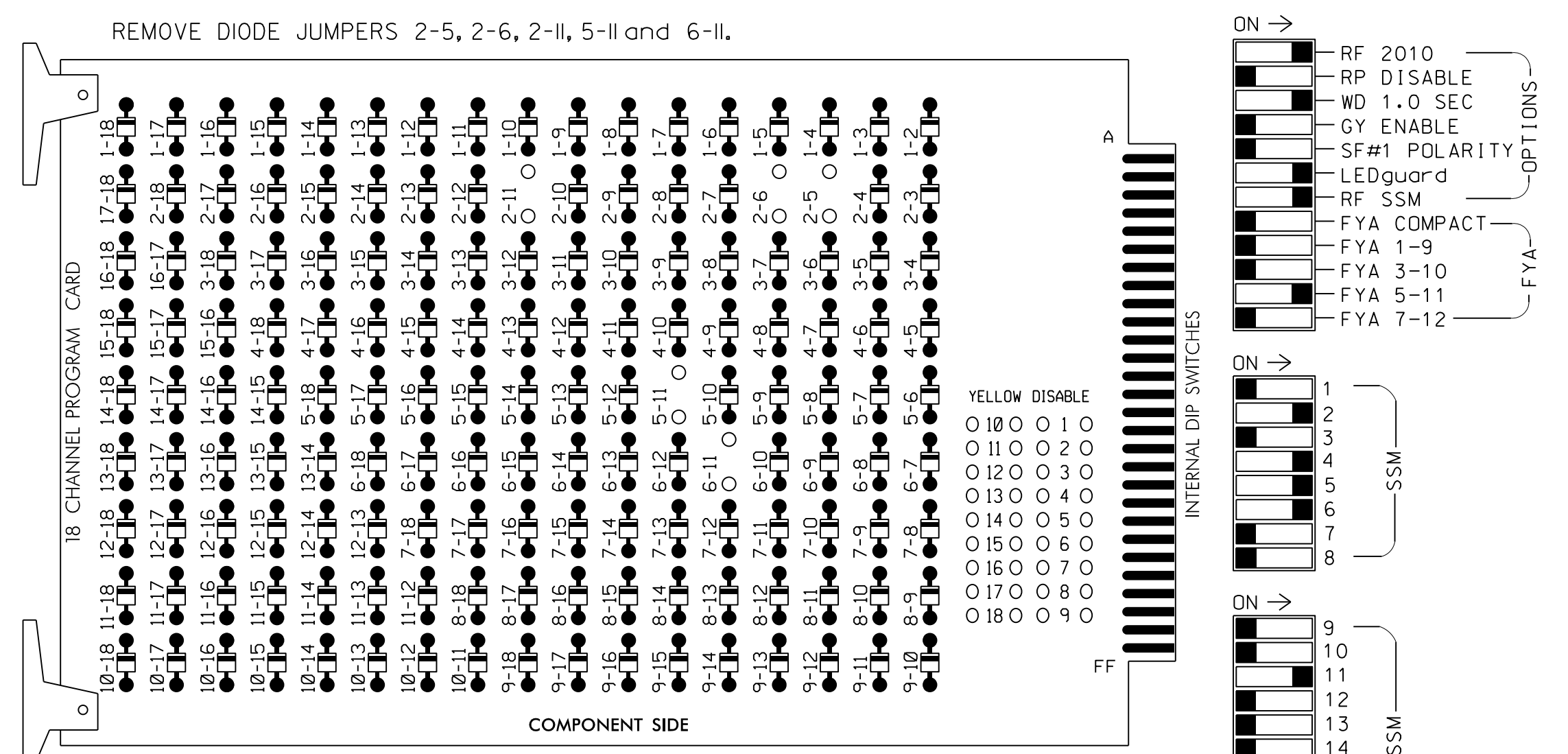


EDI MODEL 2018ECLip-NC CONFLICT MONITOR PROGRAMMING DETAIL

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

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.
- Return controller to Factory Defaults before programming per this electrical detail.
- Program controller to start up in phase 2 Green and 6 Green.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

EQUIPMENT INFORMATION

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

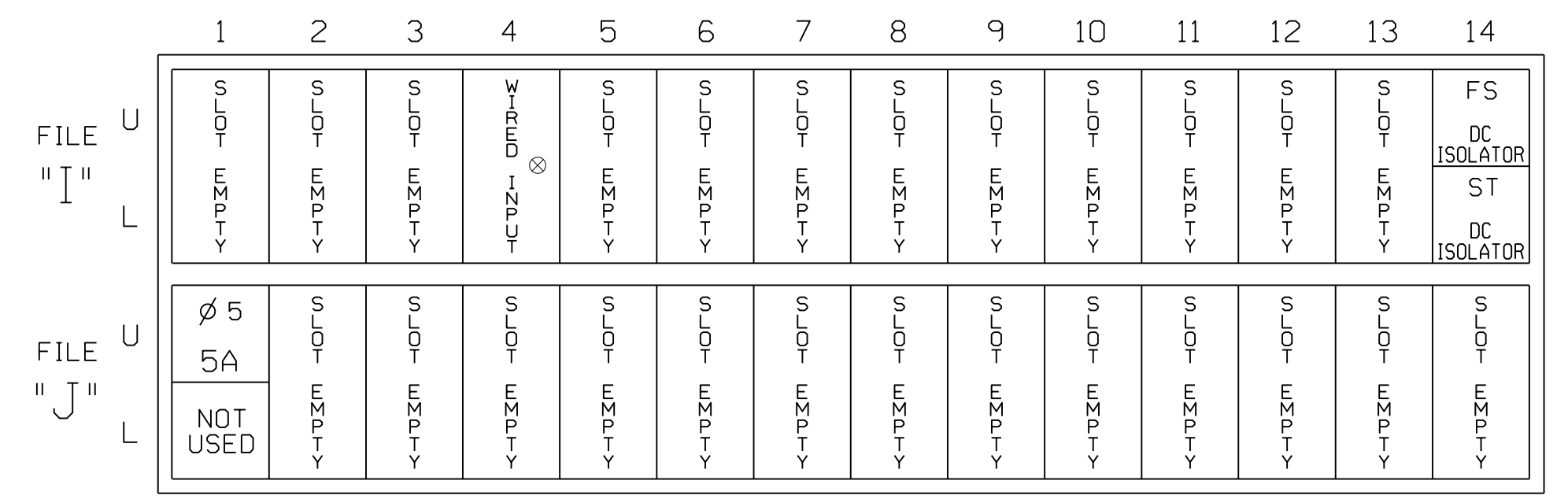
SIGNAL HEAD HOOK-UP CHART

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.	NU	21,22	NU	NU	41,42,43	62	NU	42	51*	61,62	NU	NU	NU	NU	NU	51*	NU	NU	
RED	128				101			*		134									
YELLOW		129			102					135									
GREEN		130			103					136									
RED ARROW																		A114	
YELLOW ARROW						102	132												A115
FLASHING YELLOW ARROW																			A116
GREEN ARROW						103	133	133											

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

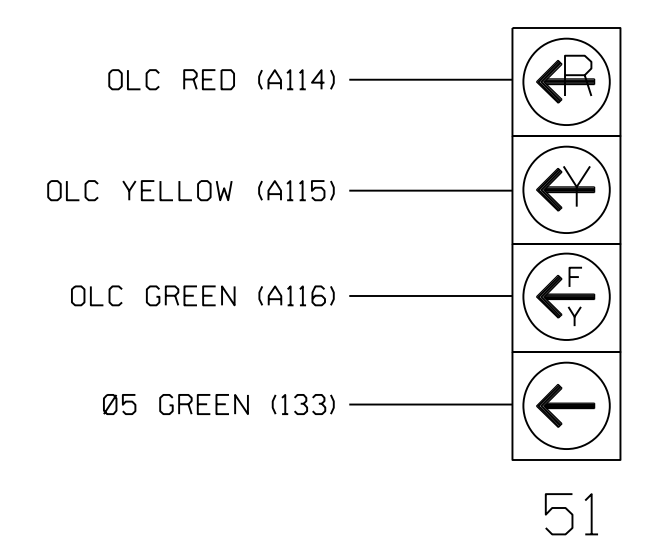
ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **2. CONTROLLER**
 - From CONTROLLER Submenu select **2. VEHICLE OVERLAPS**
- Toggle Twice
 OVERLAP C
 Select TMG VEH OVLP [C] and 'PPLT FYA'
 TMG VEH OVLP...[C] TYPE:PPLT FYA
 PROTECTED LEFT TURN.... PHASE 5
 OPPOSING THROUGH..... PHASE 6
 FLASHING ARROW OUTPUT....CH11 ISOLATE
 DELAY START OF: FYA..0.0 CLEARANCE..0.0
 ACTION PLAN SF BIT DISABLE..... 0
 END PROGRAMMING

FYA SIGNAL WIRING DETAIL

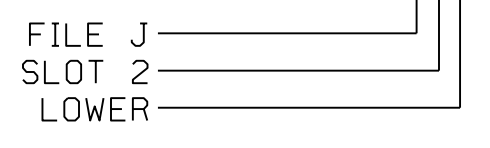
(wire signal head as shown)



INPUT FILE CONNECTION & PROGRAMMING CHART

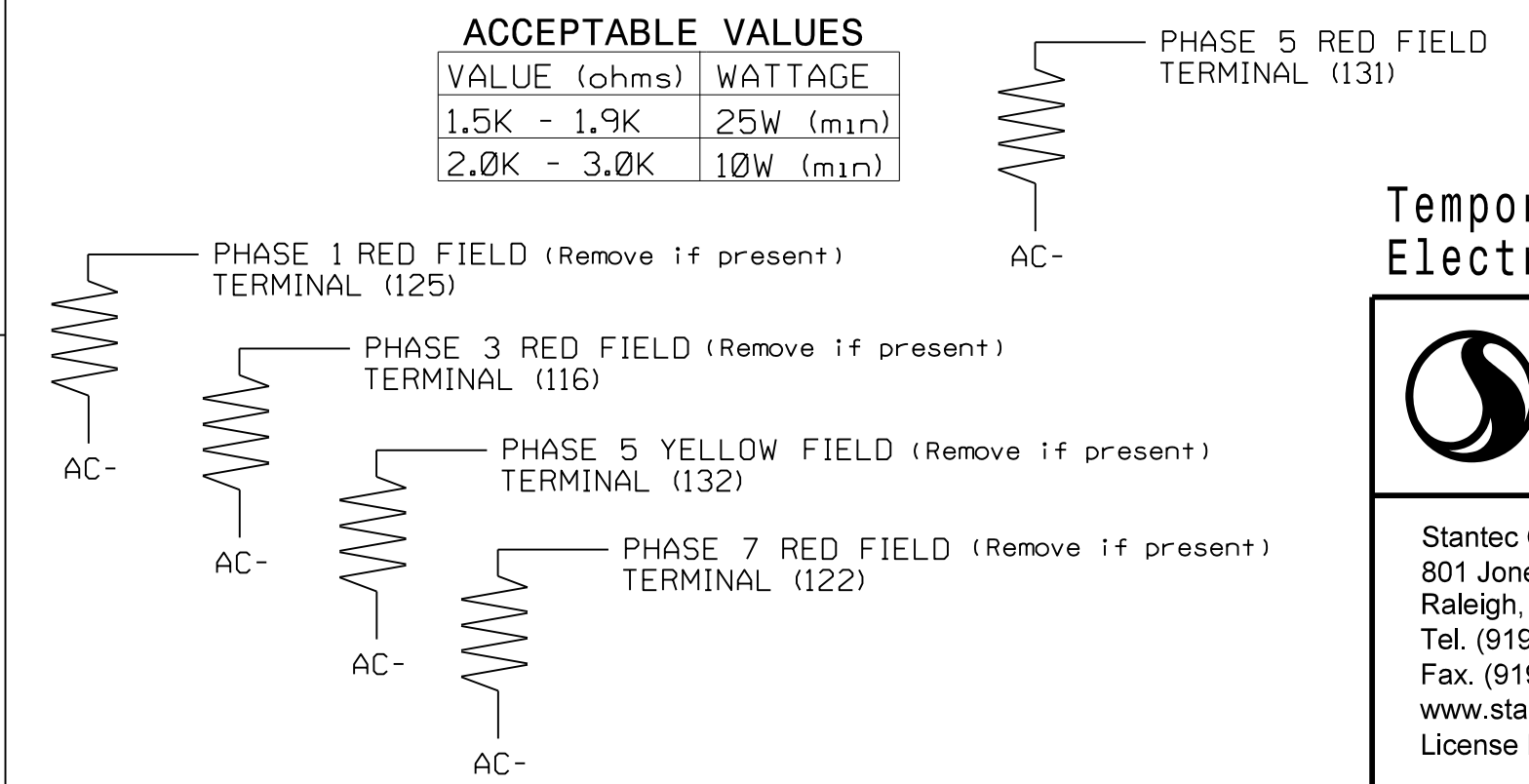
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
5A ¹	TB3-1,2	J1U	55	5 ★	5	YES		15		N
	-	J4U	47	22 ★	2	YES				G

¹Add jumper from J1-W to J4-W, on rear of input file. INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown)



Temporary Design 2 - TMP Phase I - Step 2 Electrical Detail - Sheet 1 of 1

US 21 (Charlotte Highway) at SR 1100 (Brawley School Road) / SR 1117 (Wilson Avenue)

PLAN DATE: May 2022	REVIEWED BY: E D Harris
PREPARED BY: D A Waller	REVIEWED BY: R M Muncey
REVISIONS	INIT. DATE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1369T2
 DESIGNED: MAY 2022
 SEALED: 3/24/2023
 REVISED: N/A

DocuSigned by: Derrick Waller 3/24/2023

12-1369T2.dgn
 U:\Projects\Signal\Signal\Temporary Design\2022\12-1369T2.dgn
 User: dwall118

SPECIAL DETECTOR NOTE

Install a temporary 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 Detection Zone 5A, the equipment placement and slots reserved for wired inputs are typical for a NCDOT installation.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED