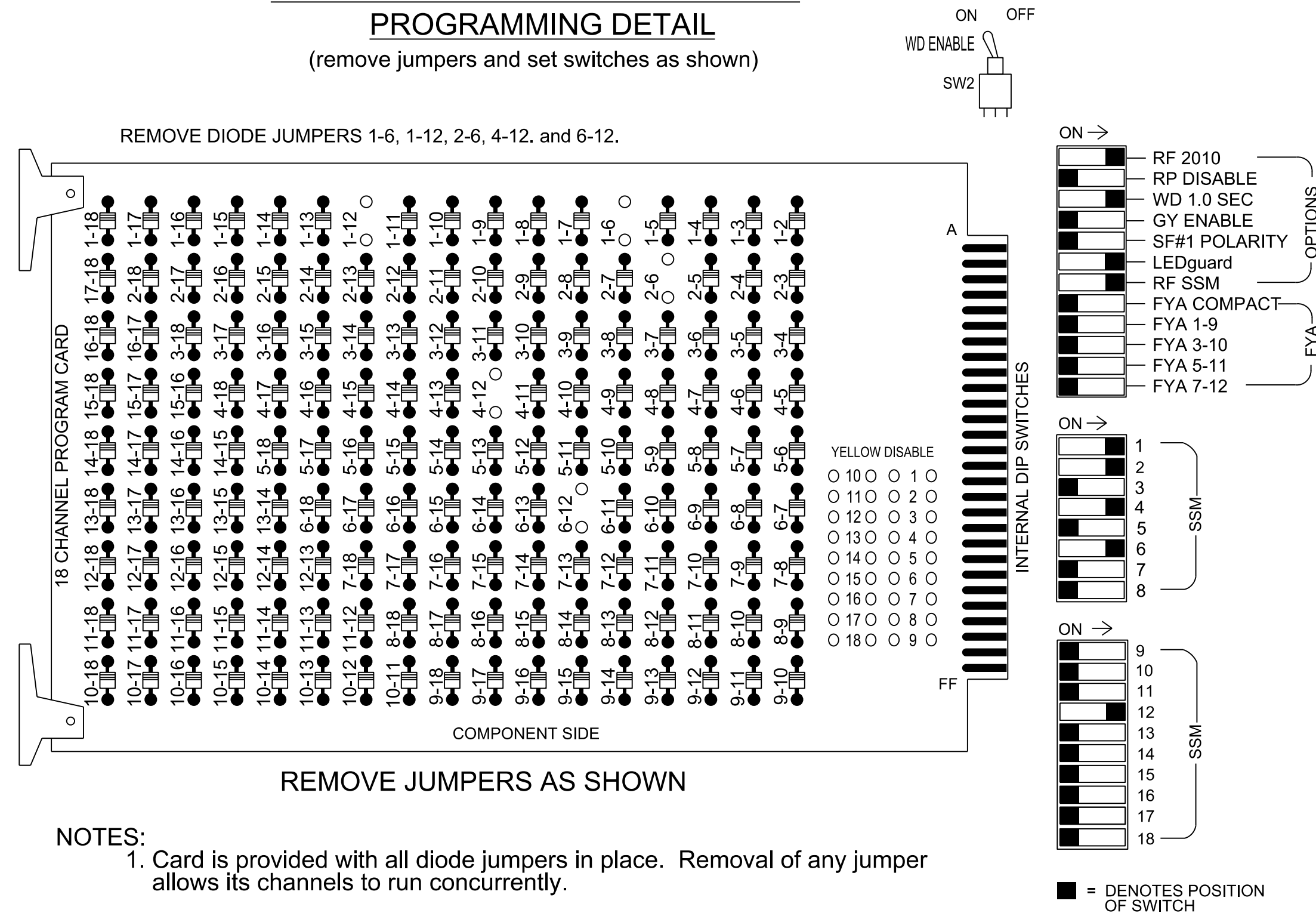


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(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 the 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 plan.
- Program controller to start up in phase 2 Green No Walk and 6 Green No Walk.
- 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.....Q-Free MAXTIME
 Cabinet Mount.....Base
 Output File Positions.....18 With Aux. Output File Load Switches Used.....S1, S2, S5, S8, AUX S6
 Phases Used.....1, 2, 4, 6
 Overlap "1".....Not Used
 Overlap "2".....Not Used
 Overlap "3".....Not Used
 Overlap "4".....*

* See overlap programming detail this sheet.

SIGNAL HEAD HOOK-UP CHART

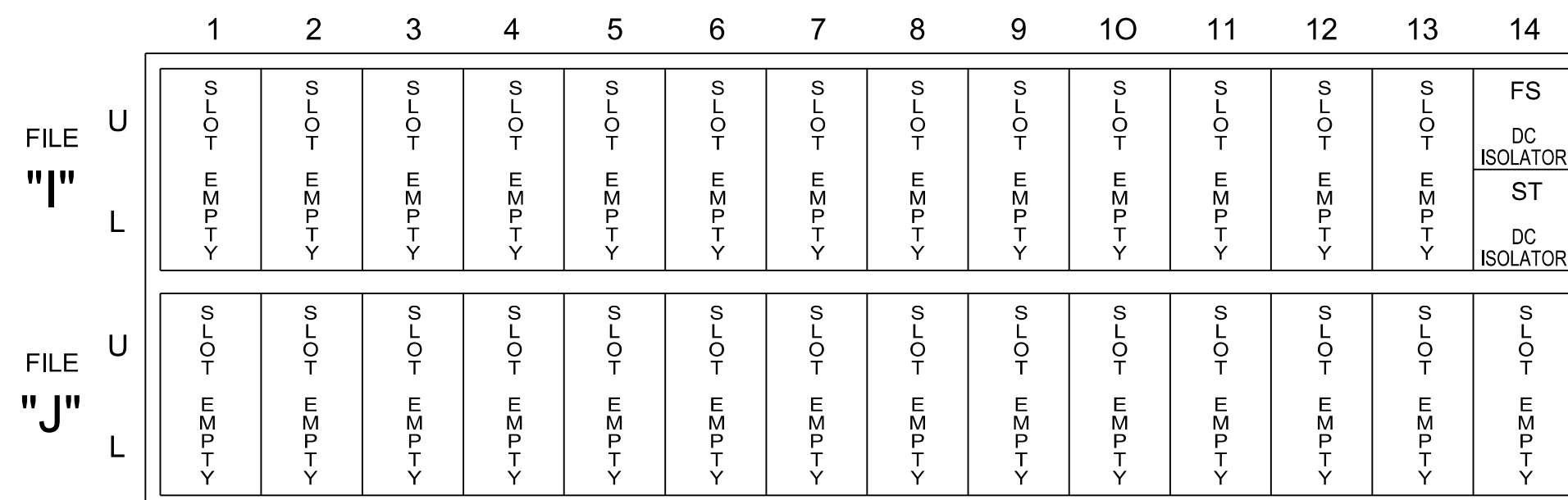
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	61	21,22	NU	NU	41,42	NU	NU	61,62	63	NU	NU	NU	NU	NU	NU	NU	43	NU
RED	*	128						134									A101	
YELLOW		129						135										
GREEN		130						136										
RED ARROW					101													
YELLOW ARROW	126				102												A102	
FLASHING YELLOW ARROW																		
GREEN ARROW	127				103												A103	

NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
 ST = STOP TIME

SPECIAL DETECTOR NOTE

Install a multi-zone microwave 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.

MAXTIME OVERLAP PROGRAMMING DETAIL FOR DEFAULT PHASING

Front Panel
 Main Menu > Controller > Overlap > Overlap Parameters/Overlap Timings

Web Interface
 Home > Controller > Overlap Configuration > Overlaps

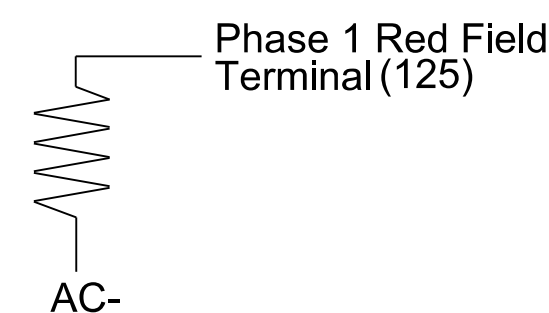
Overlap Plan 1

Overlap	4
Type	Normal
Included Phases	1,4
Modifier Phases	-
Modifier Overlaps	-
Trail Green	0
Trail Yellow	0.0
Trail Red	0.0

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

ACCEPTABLE VALUES	
Value (ohms)	Wattage
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



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 NC LIC. NO. C-1154

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 14-0002T1
 DESIGNED: September 2023
 SEALED: 4/1/2024
 REVISED: NA

Temporary Signal - TCP Phase 4A
 Electrical Detail - Sheet 1 of 1

Electrical and Programming Details For: Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	US 64 (Brevard Road) at SR 2162 (Blythe Street)		SEAL JAMES B. VOSS ENGINEER 4/1/2024
	Division 14 Henderson County Hendersonville PLAN DATE: September 2023 REVIEWED BY: JB Vosso PREPARED BY: KG Eudy REVIEWED BY:	REVISIONS INIT. DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 14-0002T1