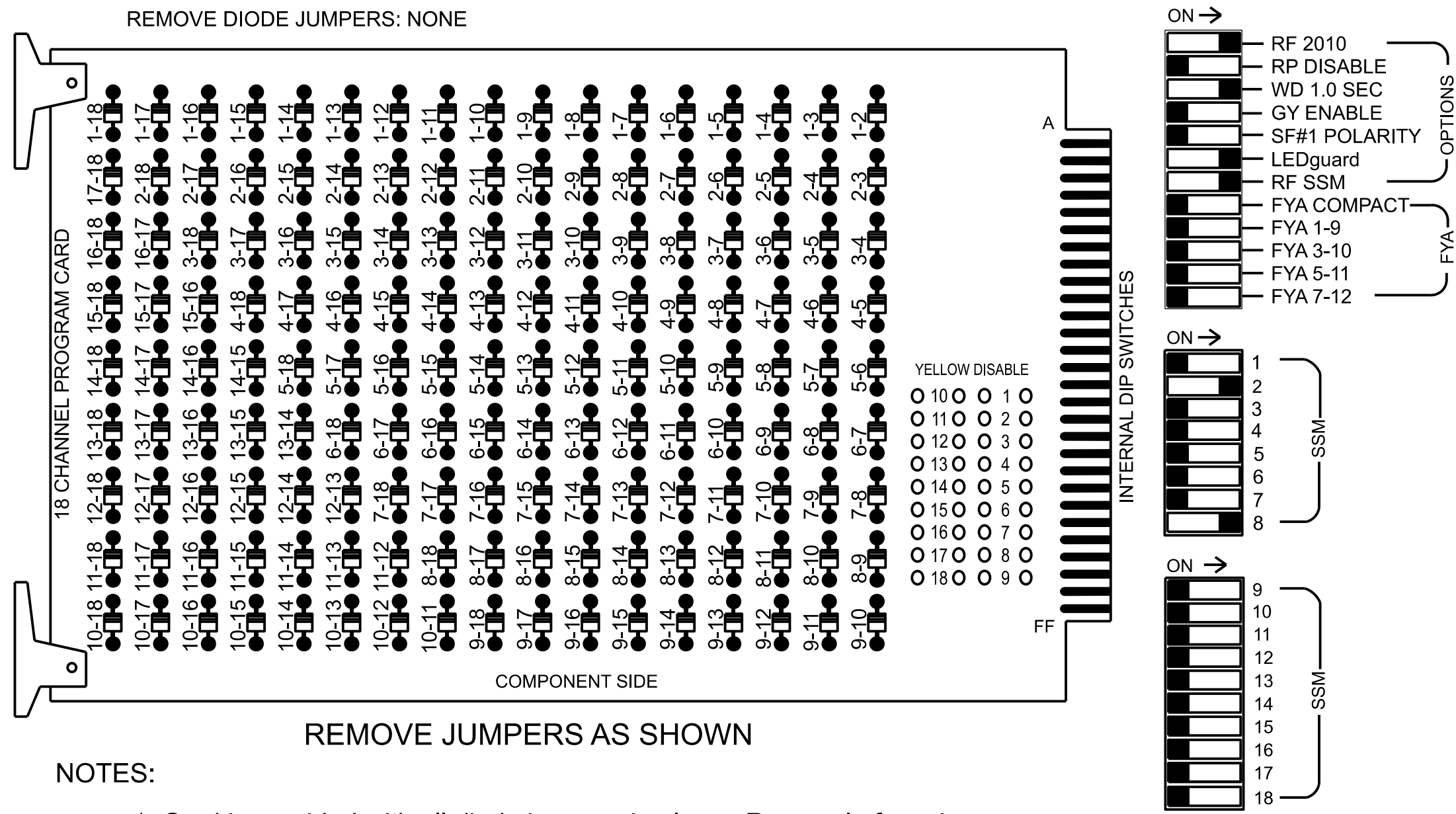


18 CHANNEL CONFLICT MONITOR
PROGRAMMING DETAIL

(set switches as shown)



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.
- Program Phase 2 for Advanced Warning.
- Program Phase 2 for 3.0 seconds of Pre-Clearance.
- 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.....S2,S3, S9, S11
Phases Used.....2, 8
Overlap "1".....NOT USED
Overlap "2".....NOT USED
Overlap "3".....NOT USED
Overlap "4".....NOT USED

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.	NU	21	22	NU	23,24	NU	NU	NU	NU	NU	25,26	NU	81;82	83	NU	NU	NU	NU
RED		128	128									107	107					
YELLOW		129	129									108						
GREEN		130										109						
RED ARROW																		
YELLOW ARROW												108						
FLASHING YELLOW ARROW																		
GREEN ARROW			130									109						
↓																		
PED YELLOW				**	114						**	120						
↓			*							*								

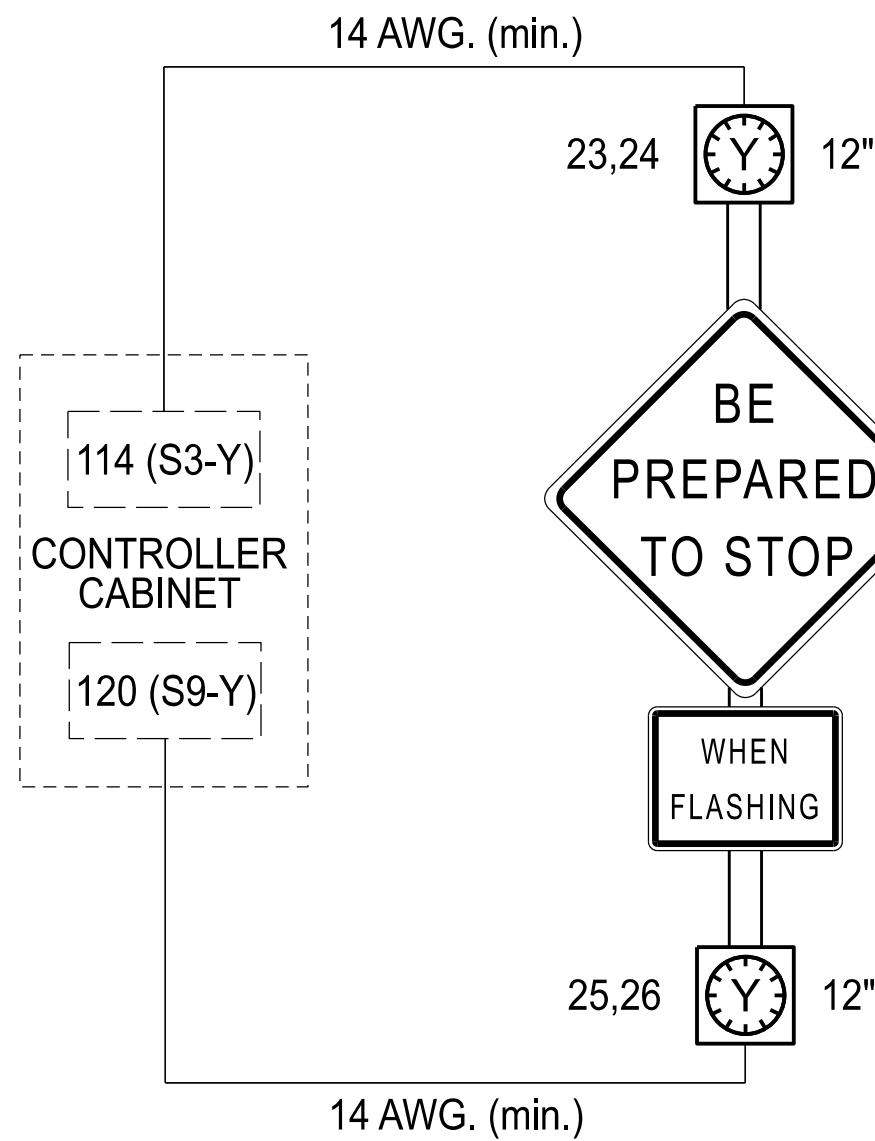
NU = Not Used

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

** Special Advanced Beacons will be wired to S3-Y and S9-Y. See wiring and programming details on sheet 1 and sheet 2.

ADVANCE BEACON WIRING DETAIL

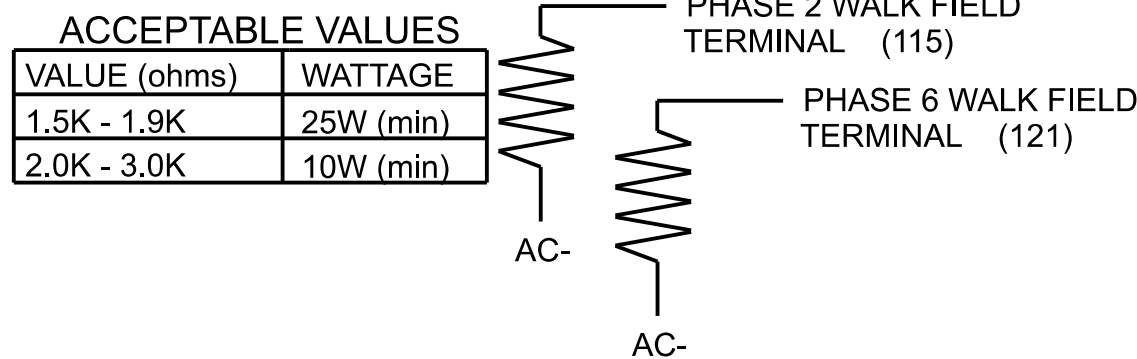
(wire flashers as shown below)



IMPORTANT

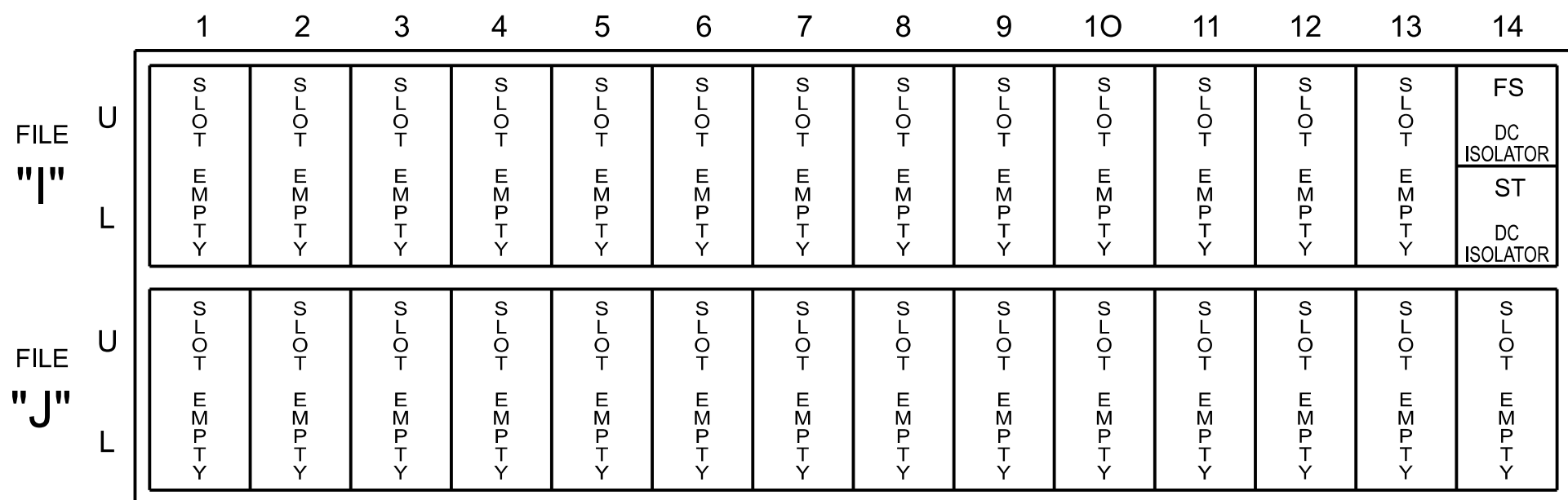
- REMOVE, TAPE, AND LABEL CONFLICT MONITOR WIRE ATTACHED TO THE REAR OF TERMINAL 114 (S3-Y) AND TERMINAL 120 (S9-Y).
- INSERT LOAD SWITCH FOR S3 AND S9
- MAKE SURE LOAD RESISTORS ARE IN PLACE AS SHOWN IN LOAD RESISTOR INSTALLATION DETAIL ON THIS SHEET.

LOAD RESISTOR
INSTALLATION DETAIL



INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
ST = STOP TIME

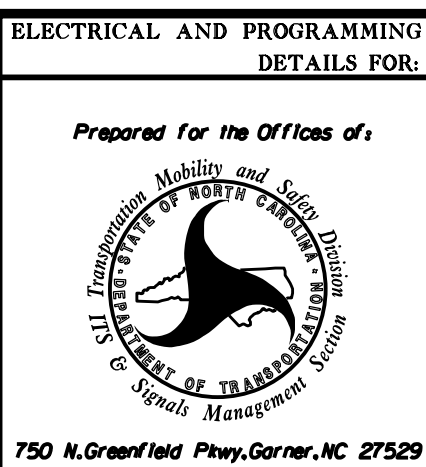
SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection for zones 2A, 8A, and 8B. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

New Installation - Electrical Detail (Sheet 1 of 2)

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 01-0767
DESIGNED: September 2025
SEALED: 9/15/2025
REVISED: _____



US 17 at US Business 17 / NC 343	
Division 1	Camden County
PLAN DATE: September 2025	REVIEWED BY: W.P. Erickson-Jones
PREPARED BY: J. Osipovitch	REVIEWED BY: D.T. Sears
REVISIONS	INIT.
	DATE

