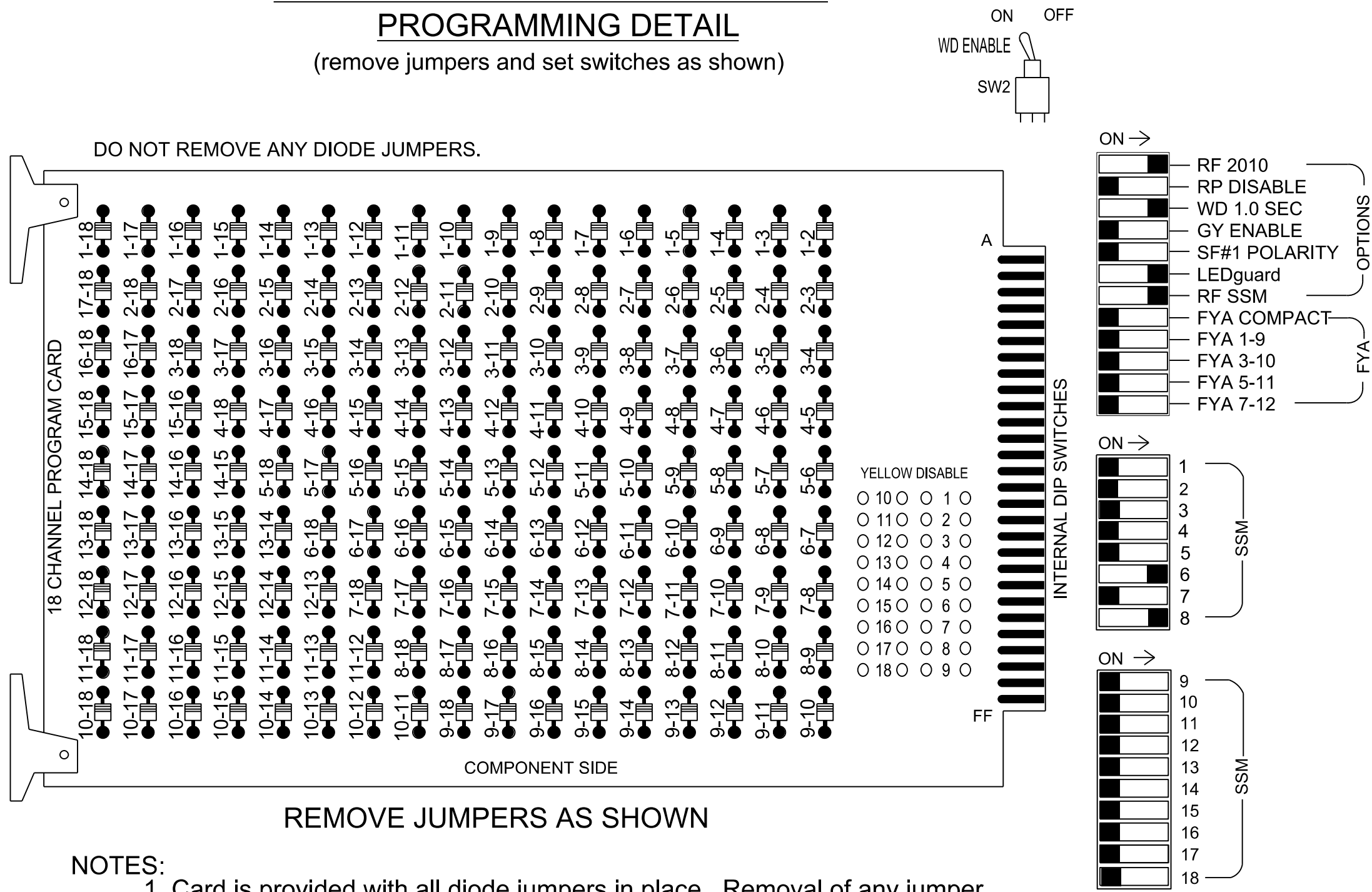


18 CHANNEL IP CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all 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 6 Green No Walk.
- Program phases 6 for Advanced Warning.
- Program phases 6 for 3.0 seconds Pre Clearance.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

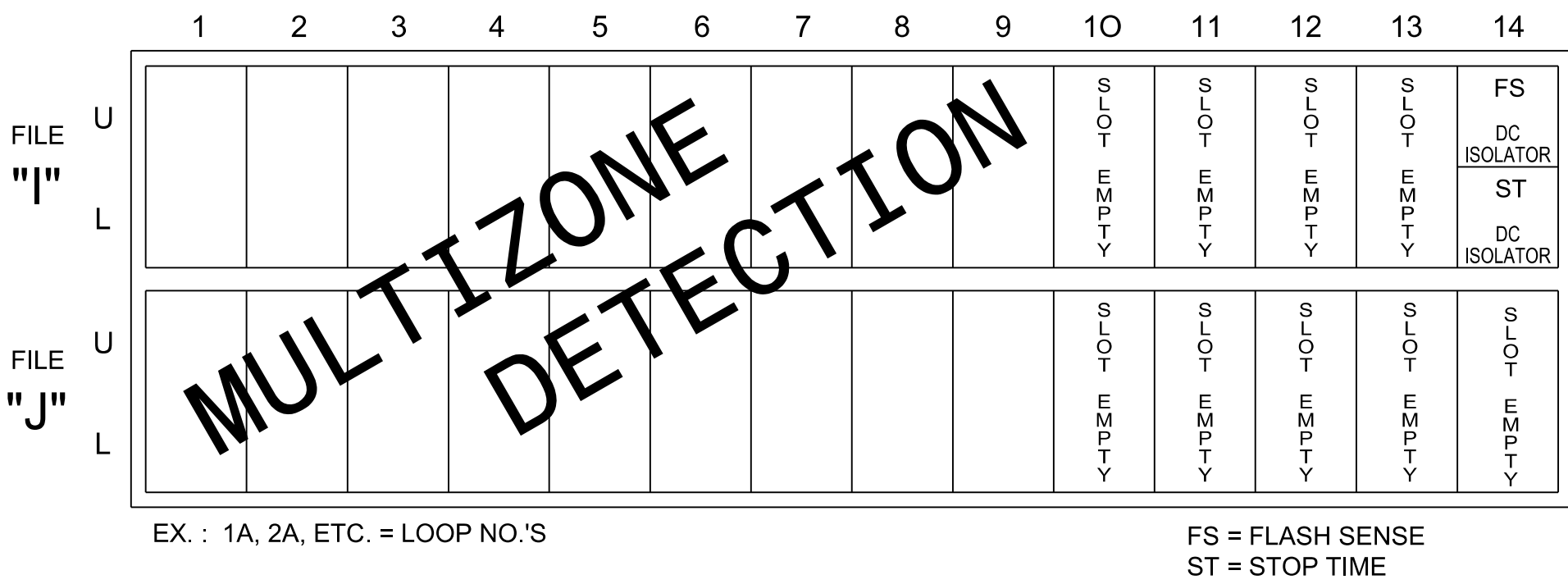
SIGNAL HEAD HOOK-UP CHART

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	ADVANCE BEACON	5	6	6 PED	7	8	8 PED	ADVANCE BEACON	OL1	OL2	OL5	OL3	OL4	OL6
SIGNAL HEAD NO.	NU	NU	NU	NU	NU	NU	65	NU	61,62	NU	NU	81,82	NU	66	NU	NU	NU	NU	NU	NU
RED									134			107								
YELLOW									135											
GREEN									136											
RED ARROW																				
YELLOW ARROW												108								
GREEN ARROW												109								
																				
PED YELLOW							** 105							** 111						
						*							*							

NU = Not Used
* Denotes install load resistor. See load resistor installation detail this sheet.
** Outputs have been reassigned for Advanced Beacons. See Sheet 2 for reassignment programming and wiring details.

INPUT FILE POSITION LAYOUT

(front view)



SPECIAL DETECTOR NOTE

Install a multizone 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.

EQUIPMENT INFORMATION

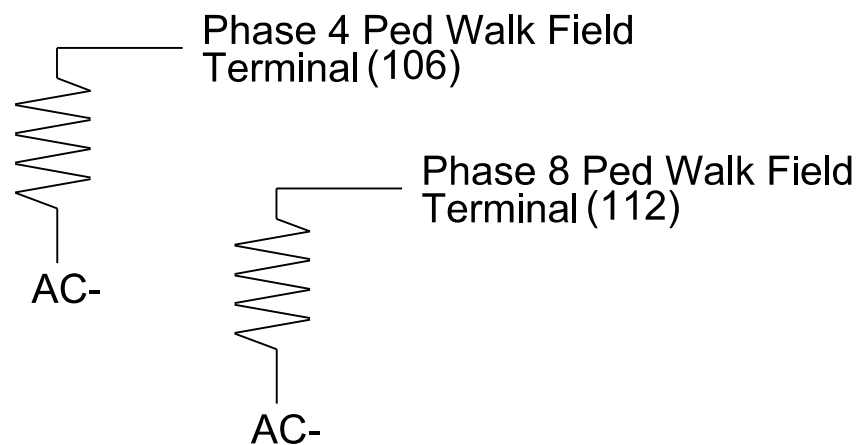
Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S6**, S8, S11, S12**
Phases Used.....6, 8
Overlap "1".....NOT USED
Overlap "2".....NOT USED
Overlap "3".....NOT USED
Overlap "4".....NOT USED

**Used for advance beacons only

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)

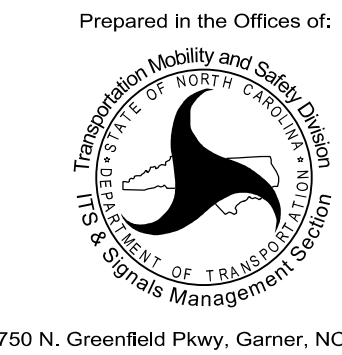


TRANSYSTEMS

1 Glenwood Avenue
Raleigh, NC 27603
Tel:919.789.9977
Fax:919.789.9591
License: F-0453

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For:



US 17 (Ocean Highway W)
at
SR 1316 (Old Shallotte Rd NW)

Division 3 Brunswick County Shallotte

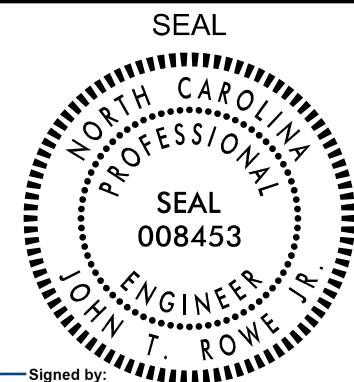
PLAN DATE: March 2025 REVIEWED BY: GG Murr, Jr.

PREPARED BY: JT Rowe REVIEWED BY:

REVISIONS INIT. DATE

750 N. Greenfield Pkwy, Garner, NC 27529

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



Signed by: John T. Rowe, Jr. DATE: 4-1-2025

SIG. INVENTORY NO. 03-1245T1