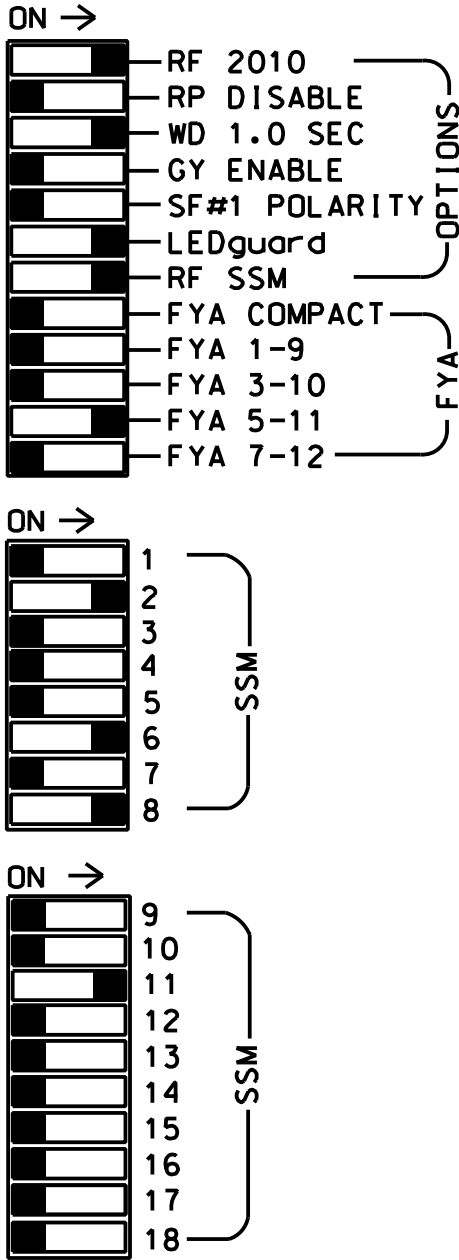
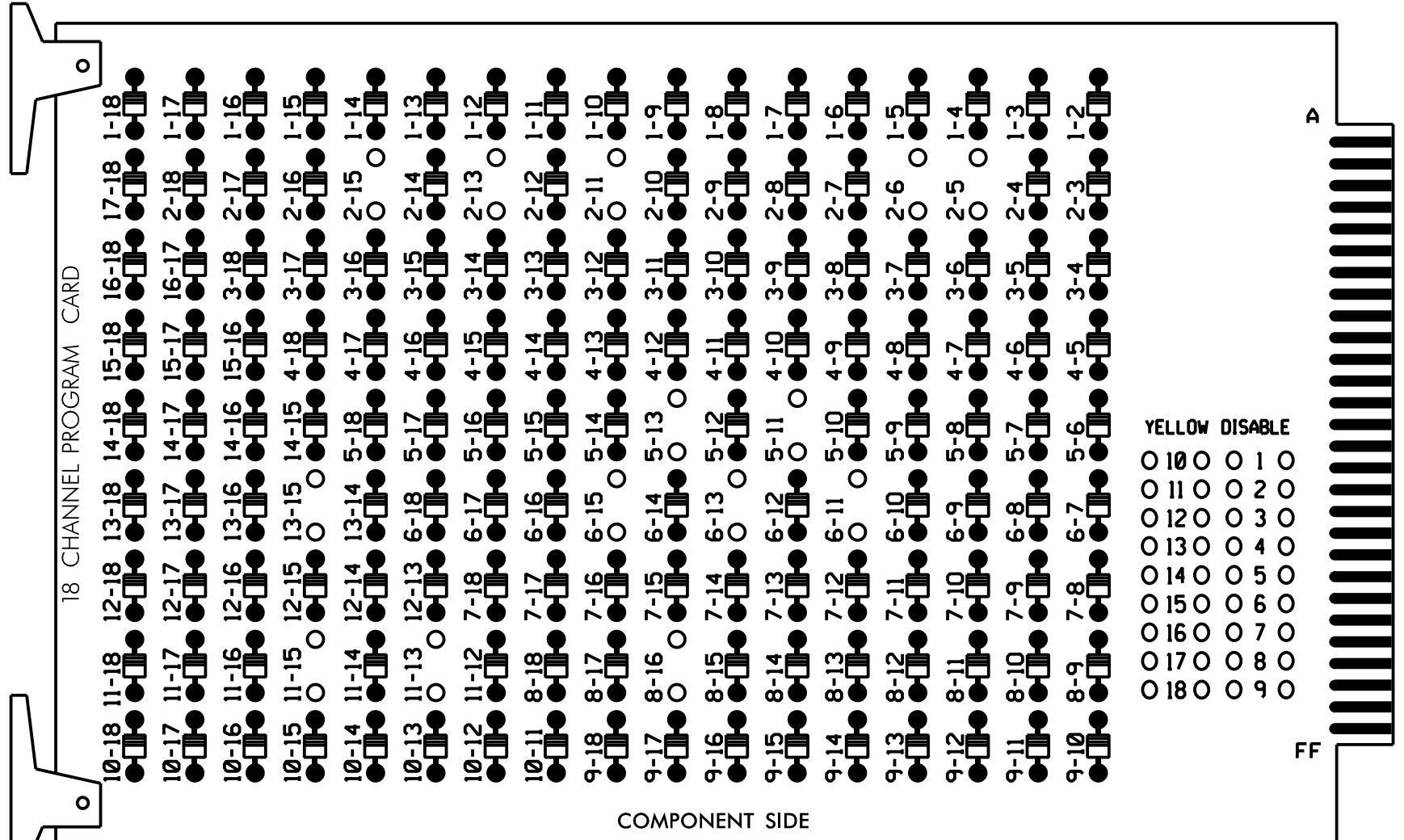


18 CHANNEL CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-5, 2-6, 2-11, 2-13, 2-15, 5-11, 5-13, 6-11, 6-13, 6-15, 8-16, 11-13, 11-15 and 13-15.



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 phases 2 and 6 Green/Don't Walk.
- Enable Simultaneous Gap-Out feature for all phases.
- The cabinet and controller are part of the Hickory City Signal System.

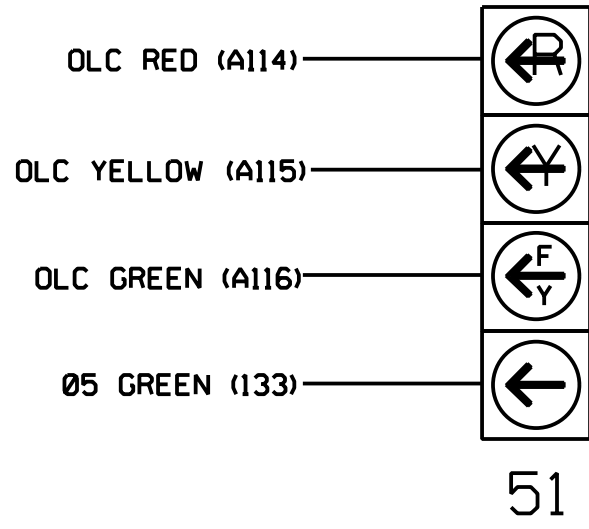
EQUIPMENT INFORMATION

CONTROLLER.....2070LX
CABINET.....332 W/ AUX
SOFTWARE.....SE-PAC2070 VER. 5.4
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
LOAD SWITCHES USED.....S2,S3,S7,S8,S9,S11,S12,AUX S4
PHASES USED.....2,2 PED,4*,5,6,6 PED,8,8 PED
OVERLAP "A".....NOT USED
OVERLAP "B".....NOT USED
OVERLAP "C".....**
OVERLAP "D".....NOT USED

* Used for timing purposes only.
** See Sheet 2 for Overlap Programming.

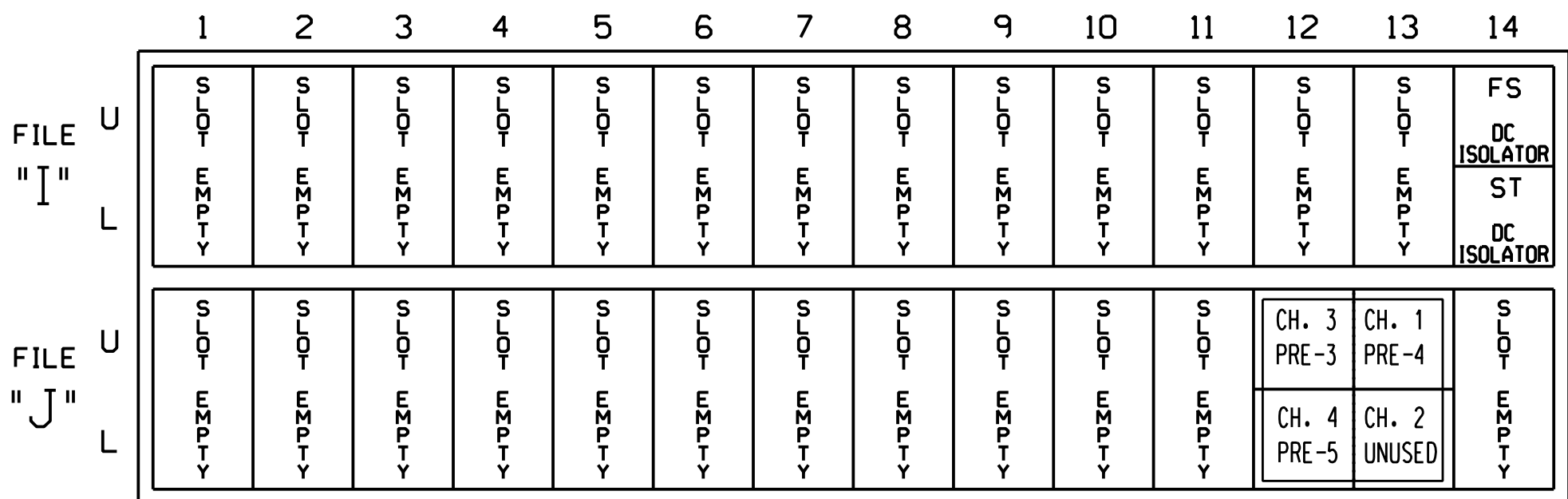
FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



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.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

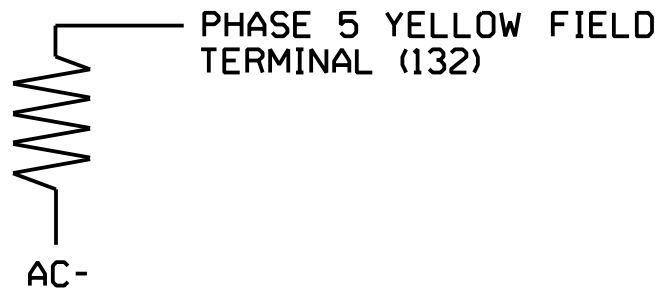
Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 12-0954T5
DESIGNED: October 2023
SEALED: 09/06/2024
REVISED: N/A

LOAD RESISTOR INSTALLATION DETAIL

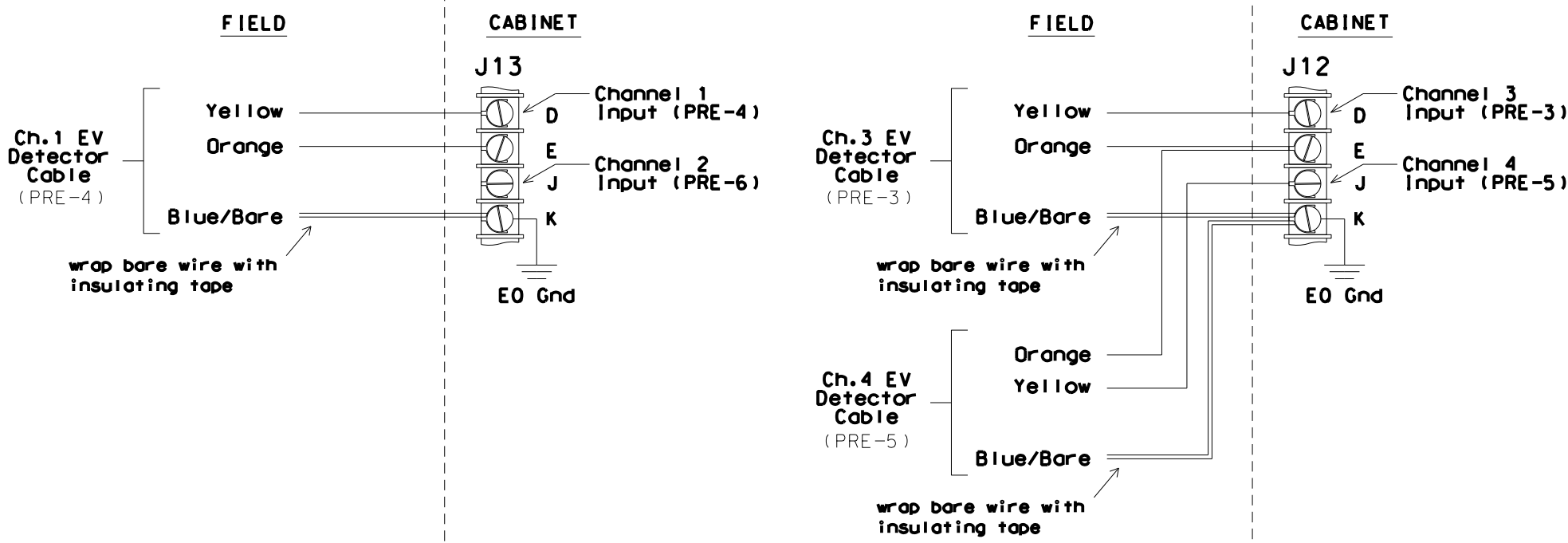
(install resistor as shown below)

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



TYPICAL EV FIELD WIRE DETAIL

(input file, rear view)



Signal Upgrade-
Electrical Detail - Sheet 1 of 3
(Construction Phase 3)

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING DETAILS FOR:		NC 127 SE at SR 1692 (1st Ave SE)		SEAL
Prepared for: 		Division 12 Catawba County Hickory		SEAL 031464 ENGINEER NATASHA R. SIMMONS
PLAN DATE: January 2024		REVIEWED BY: N.K. Vianich		DocuSigned by: Natasha R. Simmons 9/6/2024 SIGNATURE DATE
PREPARED BY: E.E. Tiller		REVIEWED BY: N.R. Simmons		
REVISIONS		INIT.		SIG. INVENTORY NO. 12-0954T5
		DATE		
750 N. Greenfield Pkwy, Garner, NC 27529				

HNTB

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