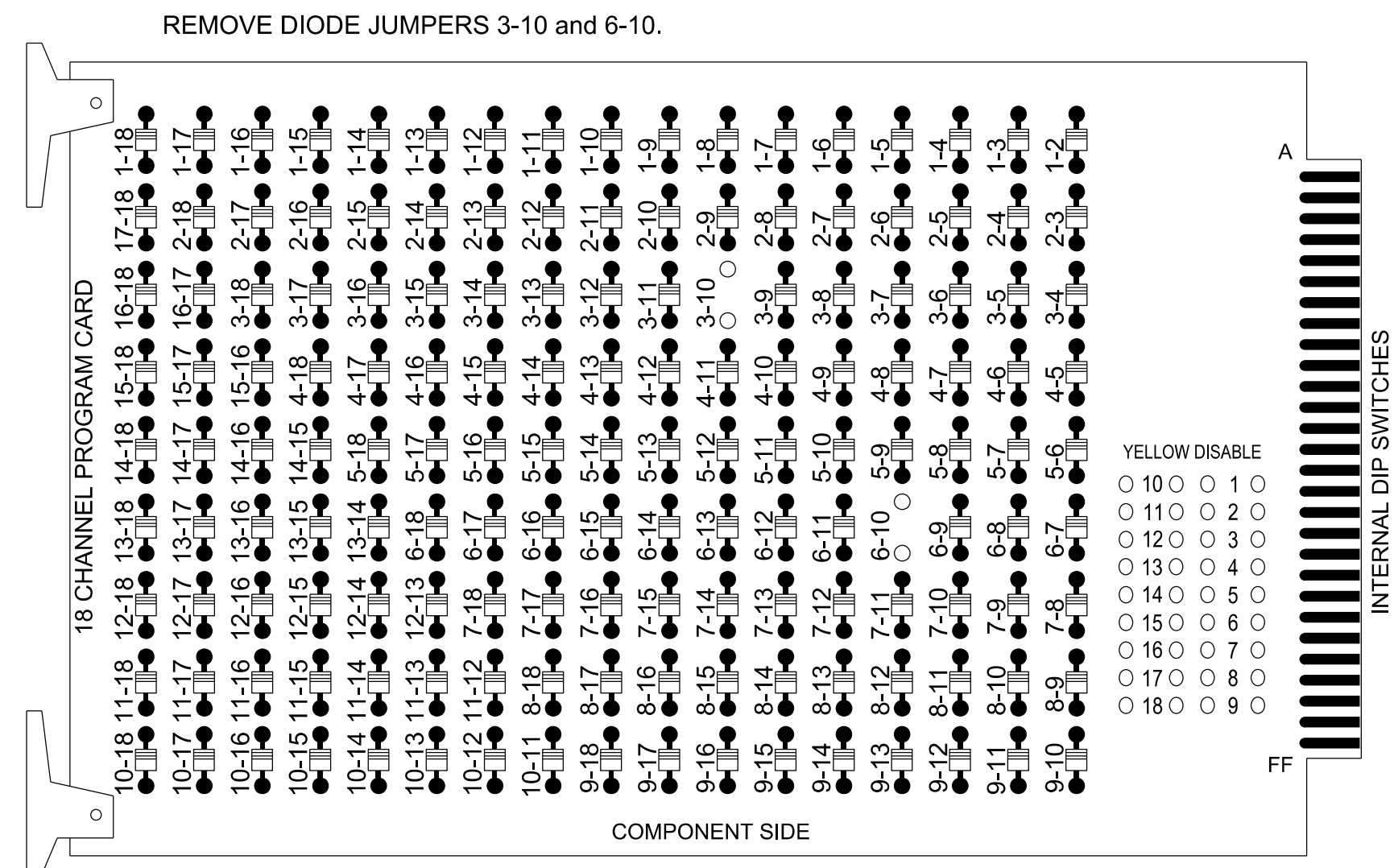


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

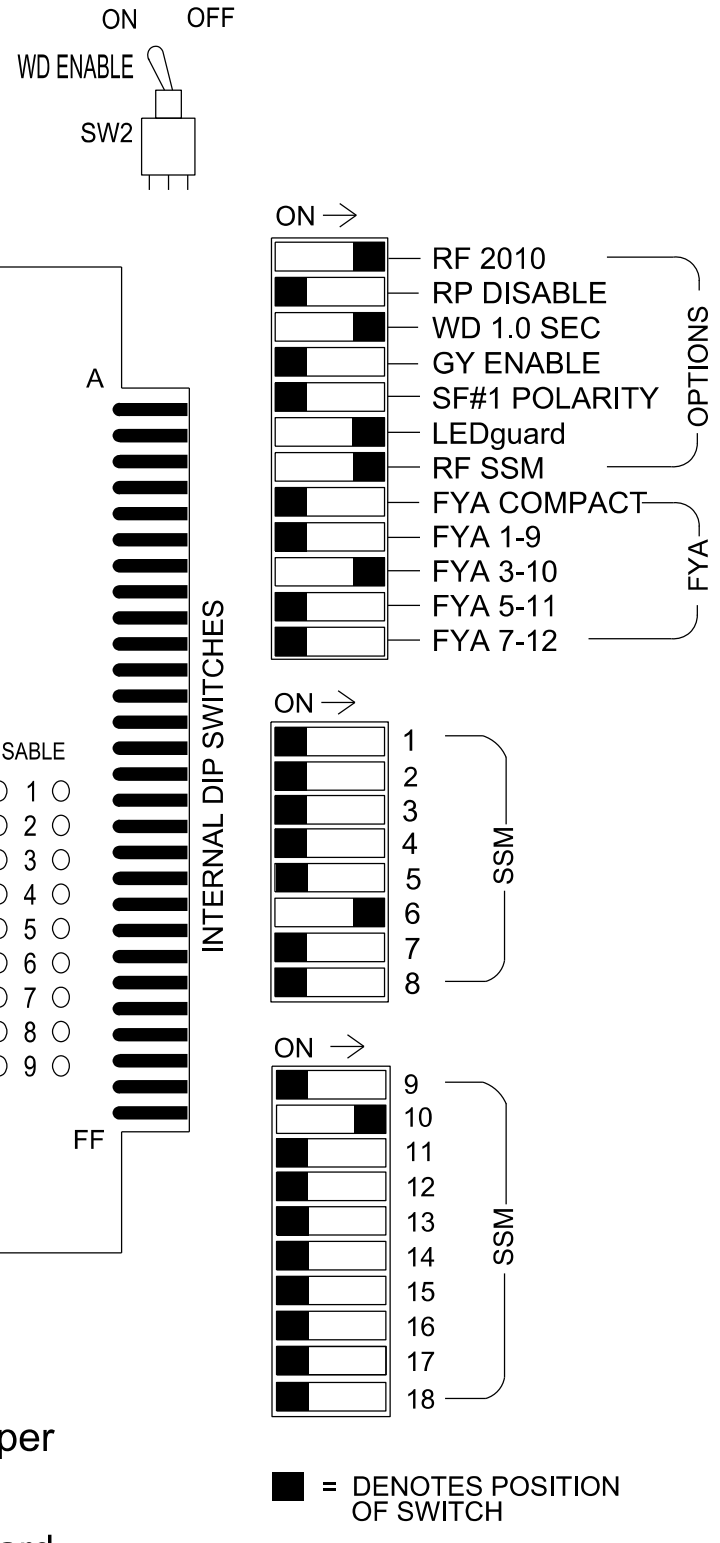
(remove jumpers and set switches as shown)



REMOVE JUMPERS AS SHOWN

NOTES:

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that the Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



NOTES

1. 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.
2. Program controller to start up in phase 6 Green No Walk.
3. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
4. The cabinet and controller are part of the Wilkesboro Closed Loop System.

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.....S4, S8, AUX S2
 Phases Used.....3,6
 Overlap "1".....NOT USED
 Overlap "2".....*
 Overlap "3".....NOT USED
 Overlap "4".....NOT USED

*See overlap programming detail on sheet 2.

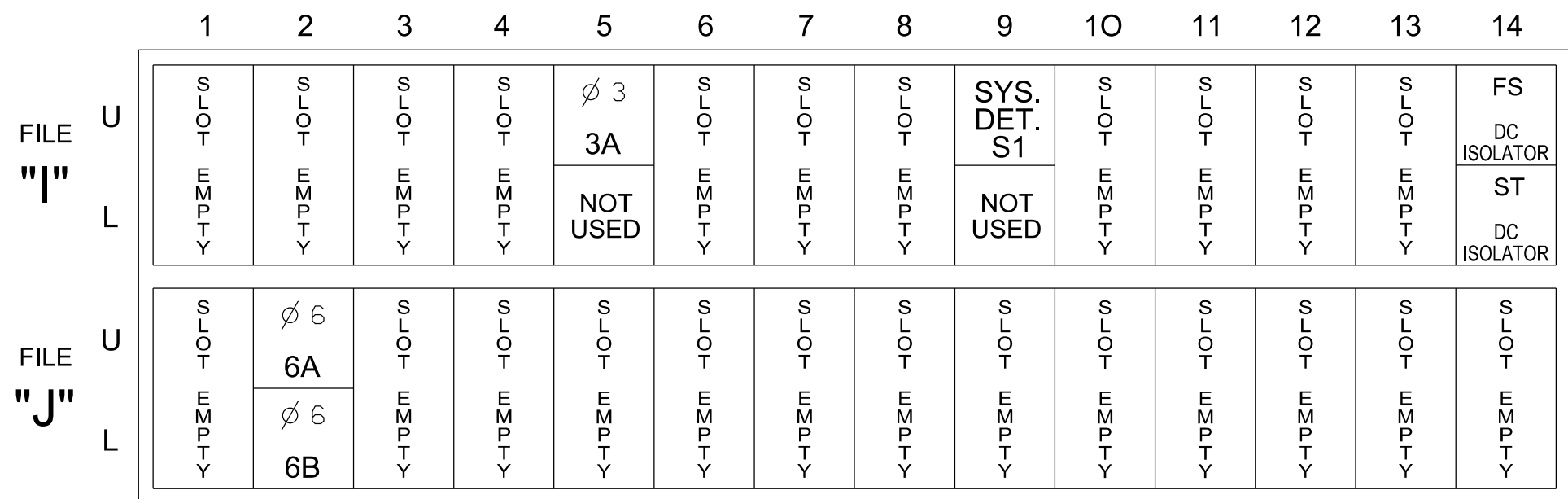
SIGNAL HEAD HOOK-UP CHART

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	NU	NU	31,32*	NU	NU	NU	61,62	NU	NU	NU	NU	NU	31,32*	NU	NU	NU	NU	
RED								134											
YELLOW				*				135											
GREEN								136											
RED ARROW																		A124	
YELLOW ARROW																			A125
FLASHING YELLOW ARROW																			A126
GREEN ARROW					118														

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

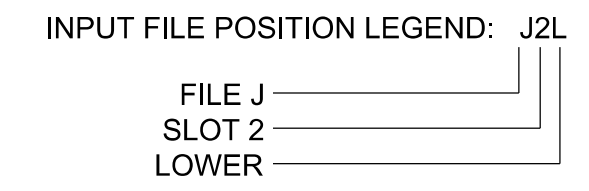
(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

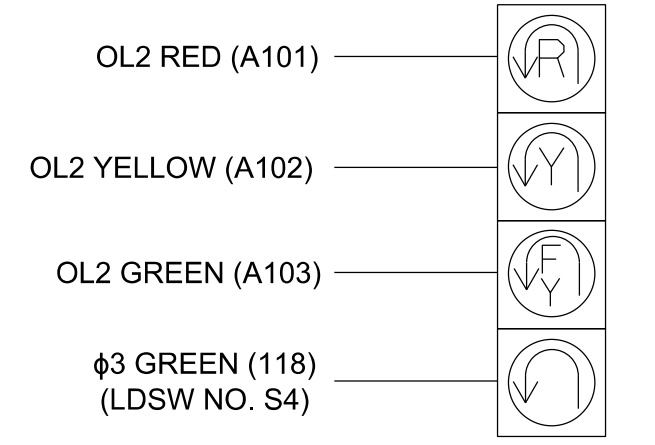
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	QUEUE	CALL	DELAY DURING GREEN
3A	TB4-5.6	I5U	58	20	7	3	15		X			X	
*S1	TB6-9.10	I9U	60	22	13	SYS			X			X	
6A	TB3-5.6	J2U	40	2	16	6			X	X		X	
6B	TB3-7.8	J2L	44	6	17	6			X	X		X	

*System detector only. Remove any assigned vehicle phase.



FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)

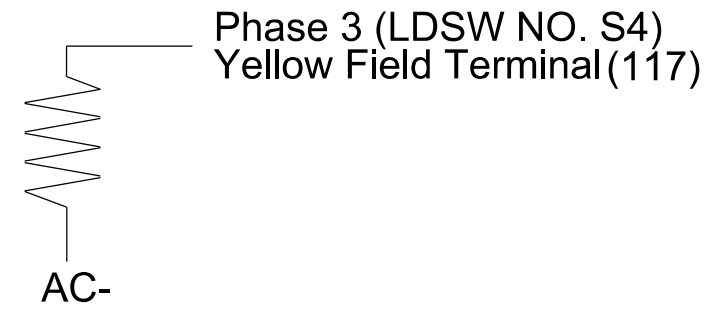


31,32

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)

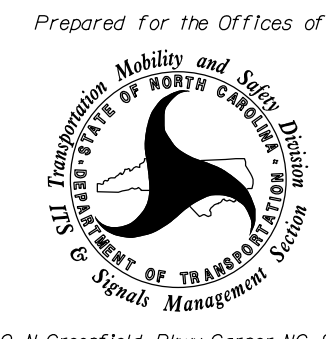


THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 11-1469
 DESIGNED: May 2023
 SEALED: 5/24/2023
 REVISED: N/A



Electrical Detail Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

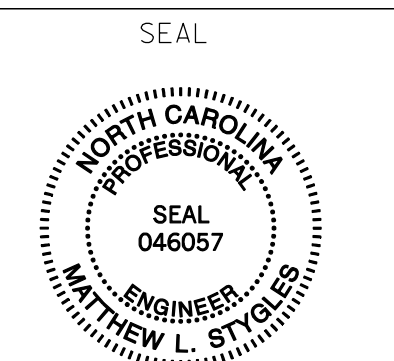


US 421-NC 16 at SR 1322 (Winkler Mill Rd)/ Stonecrest Oaks Pkwy East U-Turn
 Division 11 Wilkes County Wilkesboro

PLAN DATE: May 2023 REVIEWED BY: M. L. Stygles
 PREPARED BY: S. R. Chiluka REVIEWED BY: J. Ma

REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DocSigned by: *Matthew L. Stygles* 5/24/2023
 DATE: 5/24/2023
 SIG. INVENTORY NO. 11-1469