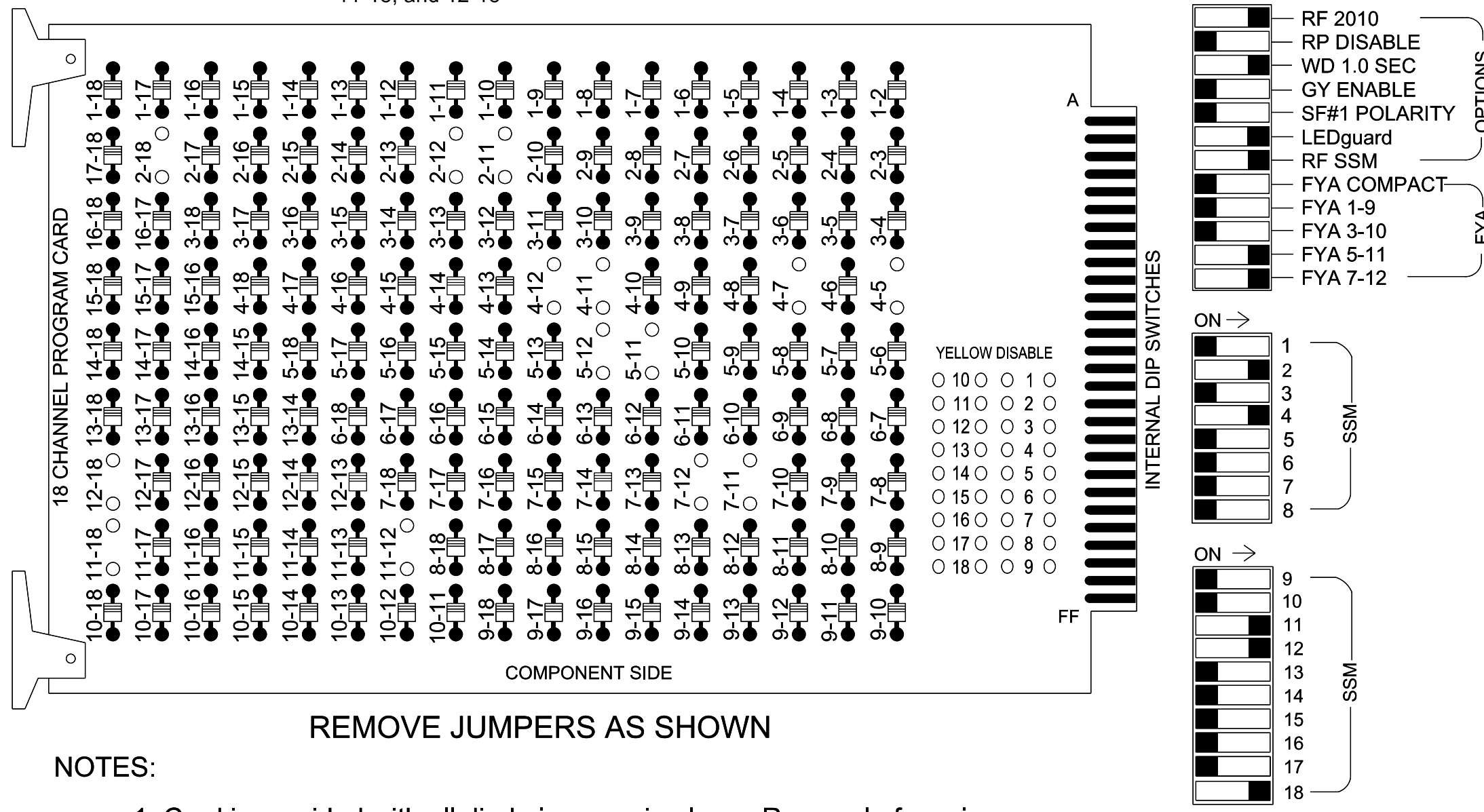


18 CHANNEL CONFLICT MONITOR

PROGRAMMING DETAIL
(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-11, 2-12, 2-18, 4-5, 4-7, 4-11, 4-12, 5-11, 5-12, 7-11, 7-12, 11-12, 11-18, and 12-18



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 phases 4 and 7 for Dual Entry.
3. Program controller to start up in phase 2 Green No Walk.
4. 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,S5,S7,S10,AUX S4,AUX S5,AUX S6
 Phases Used.....2, 4, 7
 Overlap "1".....NOT USED
 Overlap "2".....NOT USED
 Overlap "3".....
 Overlap "4".....
 Overlap "6".....
 Overlap "7".....
 *See overlap programming detail on sheet 2.

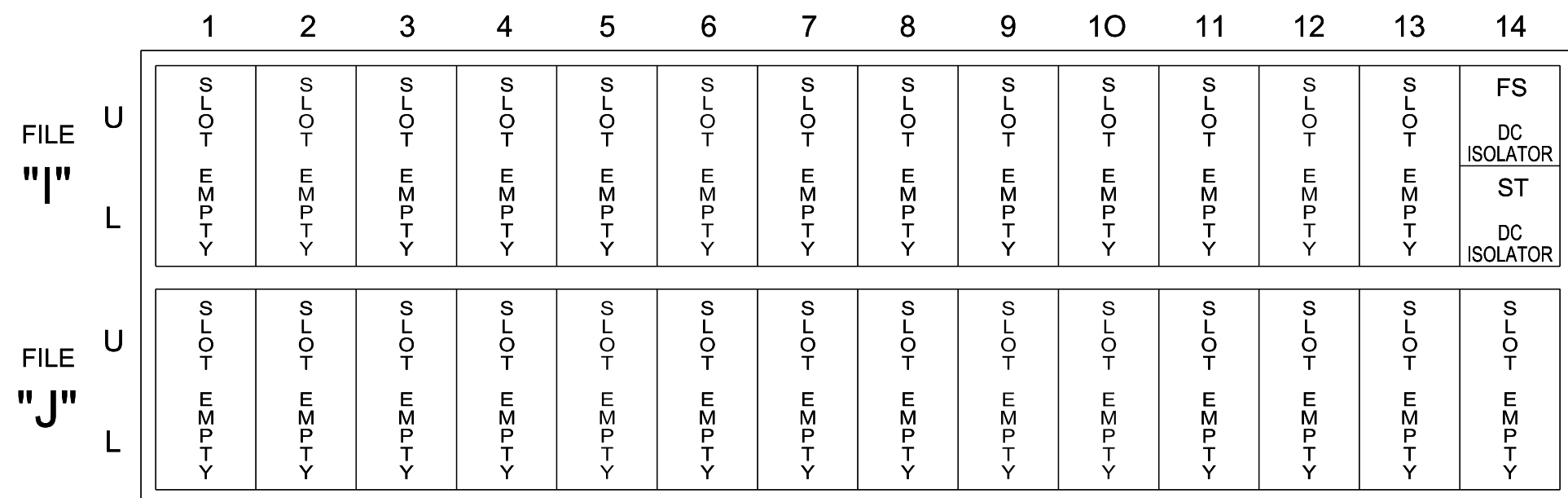
SIGNAL HEAD HOOK-UP CHART

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	OL7	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	OL6	
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	72*	NU	NU	71*	NU	NU	NU	NU	NU	72*	71*	23*	
RED		128			101													A104	
YELLOW		129					*			*									
GREEN																			
RED ARROW																	A114	A101	
YELLOW ARROW						102											A115	A102	A105
FLASHING YELLOW ARROW																	A116	A103	A106
GREEN ARROW		130			103		133			124									

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)



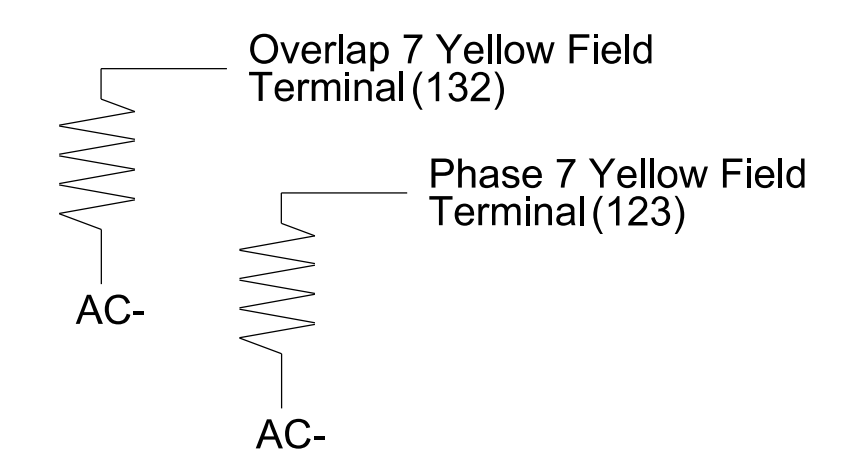
SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCCDDT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

LOAD RESISTOR INSTALLATION DETAIL

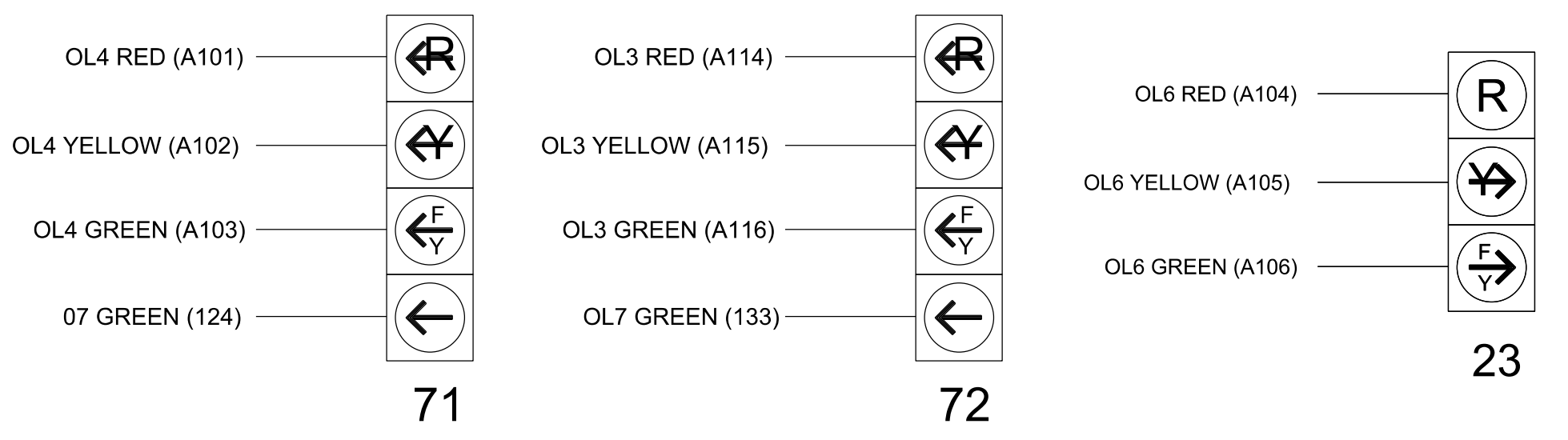
(install resistors as shown)

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



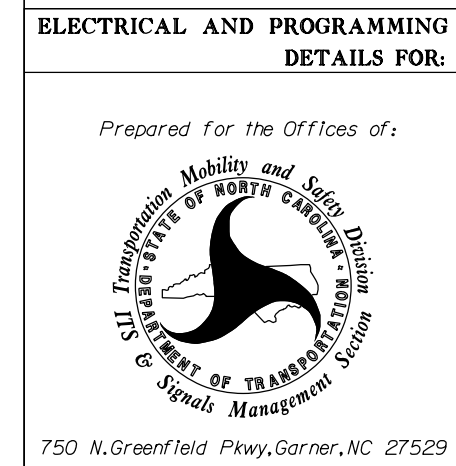
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 11-1465
 DESIGNED: May 2023
 SEALED: 5/24/2023
 REVISED: N/A

Temporary Installation - Electrical Detail 1 of 2
 (Phase 13)



US 421
 at
 Stonecrest Oaks Pkwy
 Division 11 Wilkes County Wilkesboro
 PLAN DATE: May 2023 REVIEWED BY: J. Ma
 PREPARED BY: M.L. Styles REVIEWED BY: S.R. Chiluka
 REVISIONS: DATE: INIT. DATE: SIGNATURE DATE: 5/24/2023



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 046057
 MATTHEW L. STYLES
 SIGNED: 5/24/2023
 DATE: 5/24/2023
 SIGNATURE: [Signature]
 DATE: [Blank]
 SIGNED BY: [Blank]
 DATE: [Blank]
 SIGNATURE: [Blank]
 DATE: [Blank]