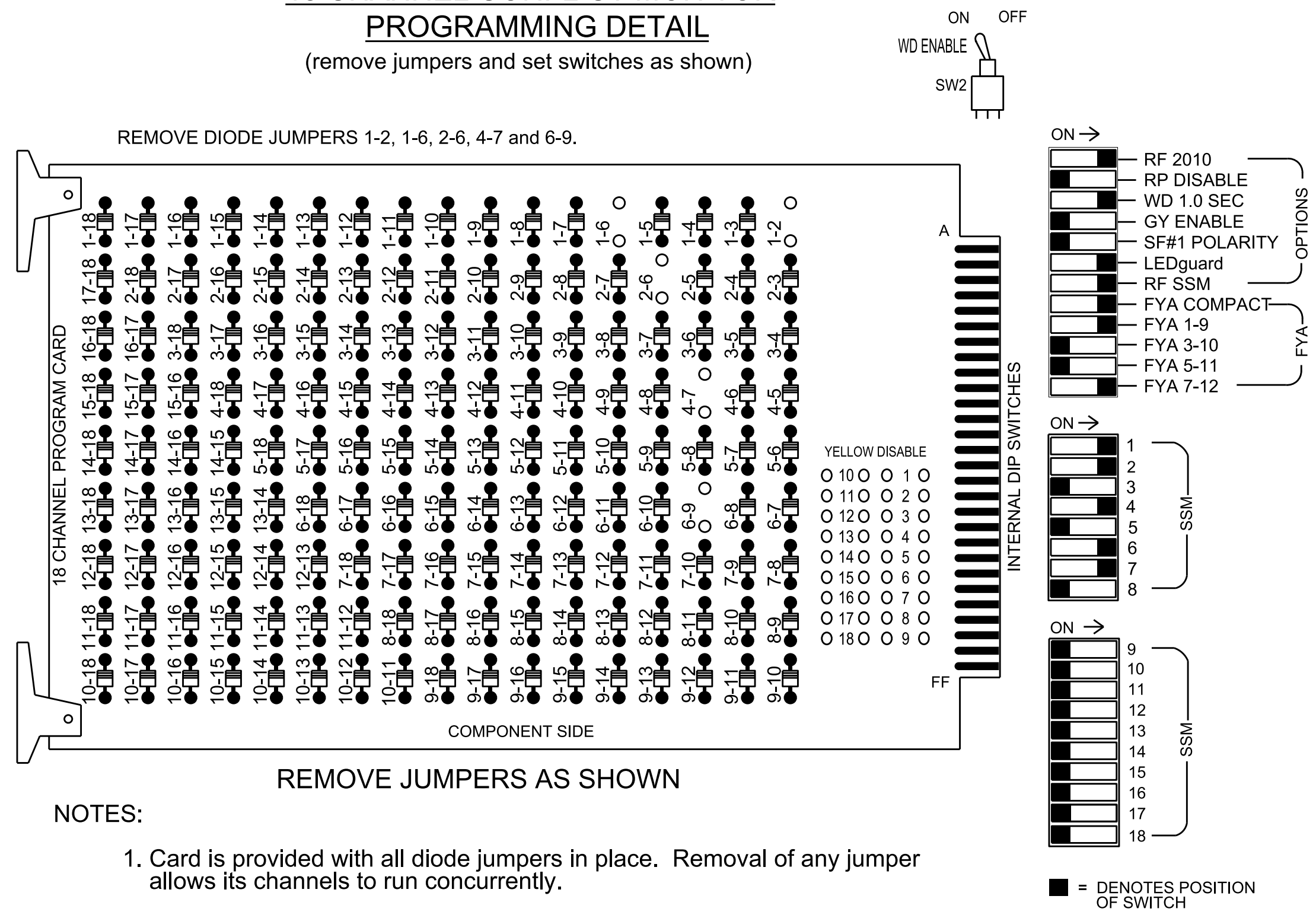


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and 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 and 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the US 601 (Yadkinville) System 1 (TBC).

EQUIPMENT INFORMATION

Controller.....2070LX
 Cabinet.....336
 Software.....Q-Free MAXTIME
 Cabinet Mount.....Pole
 Output File Positions.....12
 Load Switches Used.....S1, S2, S3, S5, S8, S10
 Phases Used.....1, 2, 4, 6
 Overlap "1".....*
 Overlap "2".....Not Used
 Overlap "3".....Not Used
 Overlap "4".....Not Used
 Overlap "7".....*

*See overlap programming detail on sheet 2

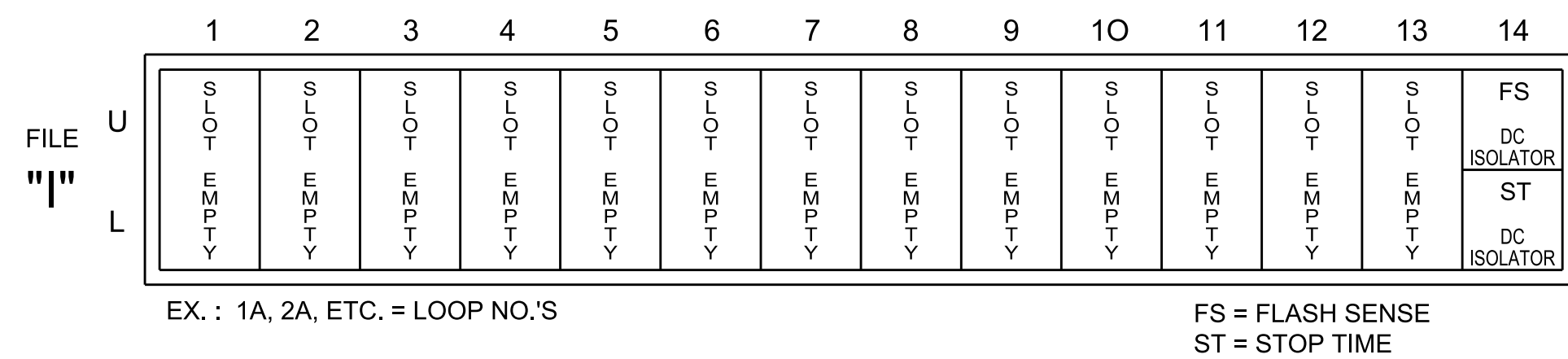
SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12			
CMU CHANNEL NO.	1	2	9	13	3	4	14	5	6	15	7	8	16		
PHASE	OL1	2	1 GRN	2 PED	3	4	4 PED	5	6	6 PED	OL7	8	8 PED		
SIGNAL HEAD NO.	11*	21	22	11*	NU	NU	41,42	NU	NU	61	62	NU	43	NU	NU
RED	128	128				101			134	134			122		
YELLOW	129	129				102			135	135					
GREEN		130				103			136						
RED ARROW	125														
YELLOW ARROW	126												123		
FLASHING YELLOW ARROW	127												124		
GREEN ARROW		130	114										136		
				*											

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)

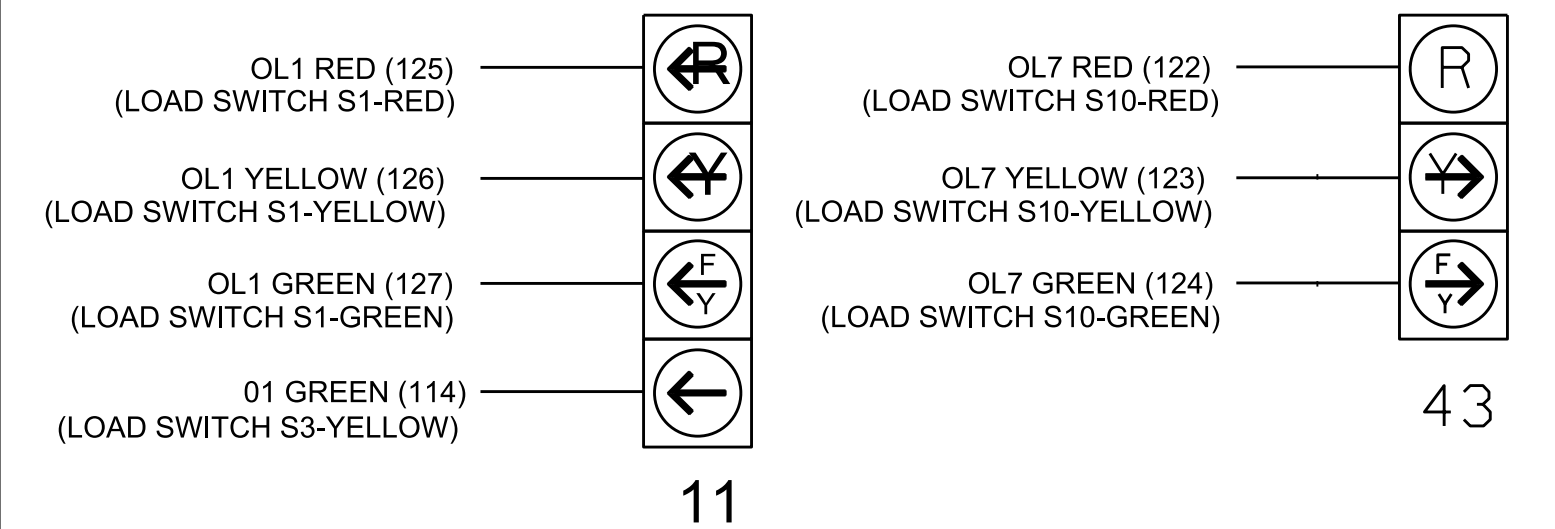


SPECIAL DETECTOR NOTE

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

FYA SIGNAL WIRING DETAIL

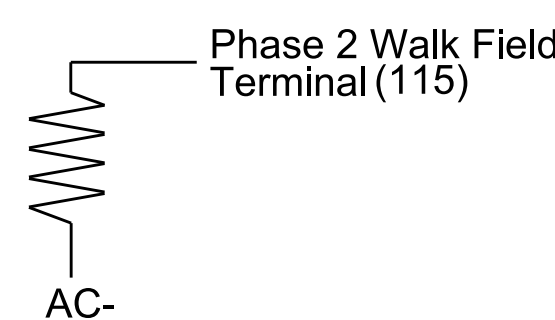
(wire signal head as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistor 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: 11-1208T2
 DESIGNED: February 2024
 SEALED: 3/4/2024
 REVISED: N/A

Electrical and Programming Details For:

Prepared in the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

US 601 (S. State Street)
 at
 US 421 Southbound Ramp

Division 11	Yadkin County	Yadkinville
PLAN DATE: November 2023	REVIEWED BY:	
PREPARED BY: Zarrar Zafar	REVIEWED BY:	
REVISIONS	INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

 03/06/2024
 DATE
 SIG. INVENTORY NO. 11-1208T2