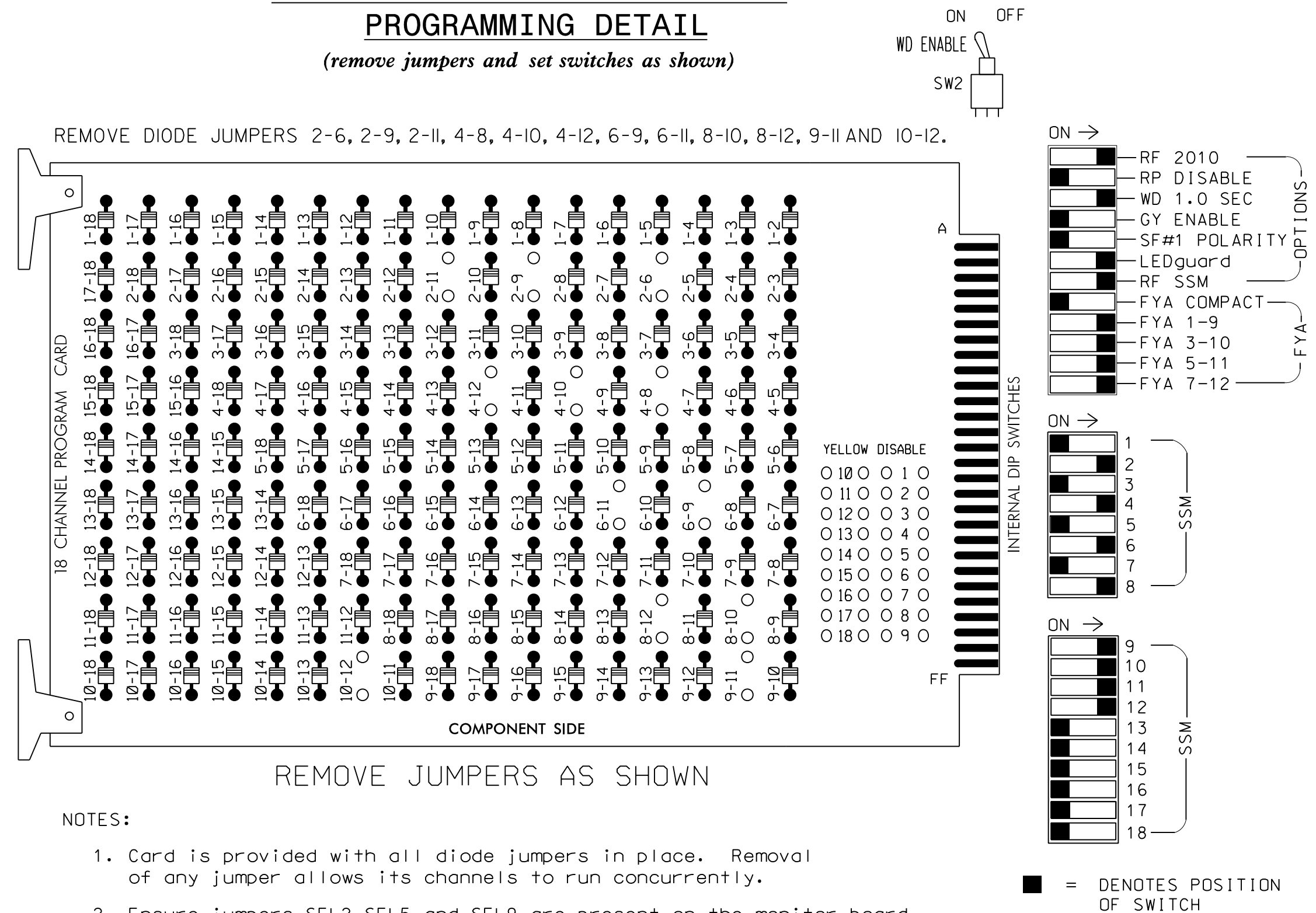


**18 CHANNEL CONFLICT MONITOR
PROGRAMMING DETAIL**

(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 Plans.
- Program phases 4 and 8 for Dual Entry.
- Enable Simultaneous Gap-Out for all Phases.
- Program phases 2 and 6 for Variable Initial and Gap Reduction.
- Program Phases 2 and 6 as First Phases.
- Remove Phases 2 and 6 from Startup in Green.
- Remove Phases 2 and 6 from yellow flash, and program overlaps 1 and 2 as Wag Overlaps.
- 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.....2070
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE OASIS
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 (12-STD; 6 AUX)
 LOAD SWITCHES USED.....S2,S5,S8,S11,AUX S1
 AUX S2,AUX S4,AUXS5.
 PHASES USED.....2,4,6,8
 OVERLAP "A".....2
 OVERLAP "B".....4
 OVERLAP "C".....6
 OVERLAP "D".....8

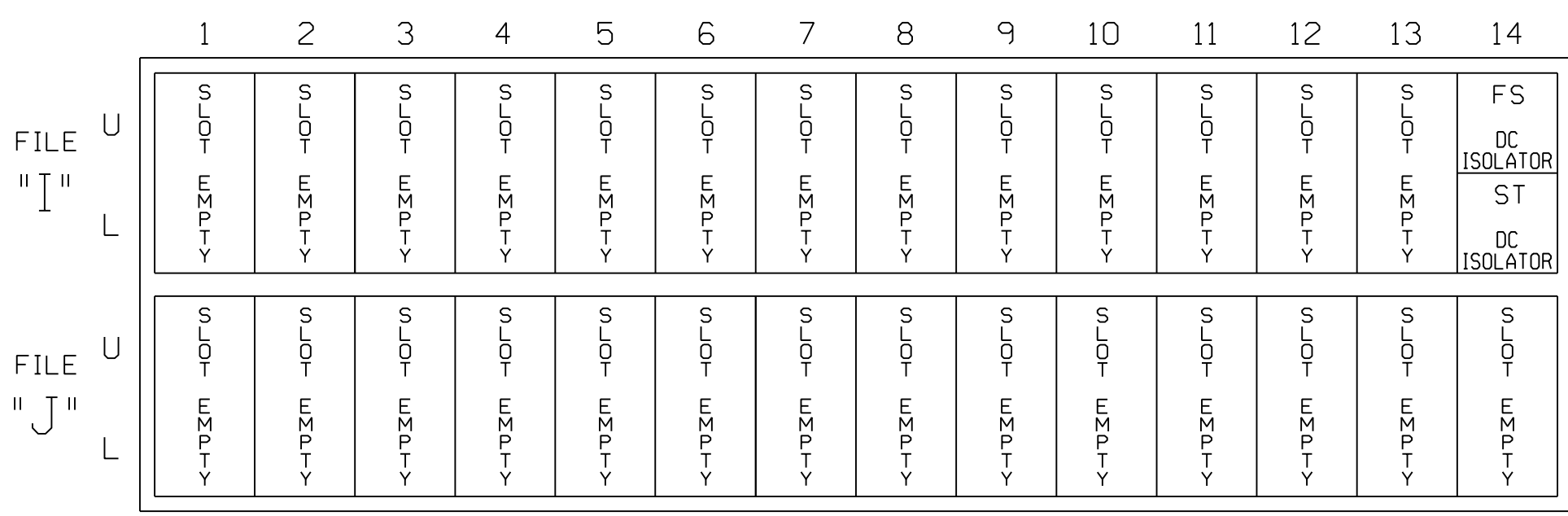
SIGNAL HEAD HOOK-UP CHART

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	OLA	OLB	SPARE	OLC	OLD	SPARE
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	61,62	NU	NU	81,82	NU	63*	83*	NU	23*	43*	NU
RED		128			101			134			107							
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW													A121	A124		A114	A101	
YELLOW ARROW													A122	A125		A115	A102	
FLASHING YELLOW ARROW													A123	A126		A116	A103	
GREEN ARROW																		

NU = Not Used
 * See pictorial of head wiring in detail below.

INPUT FILE POSITION LAYOUT

(front view)

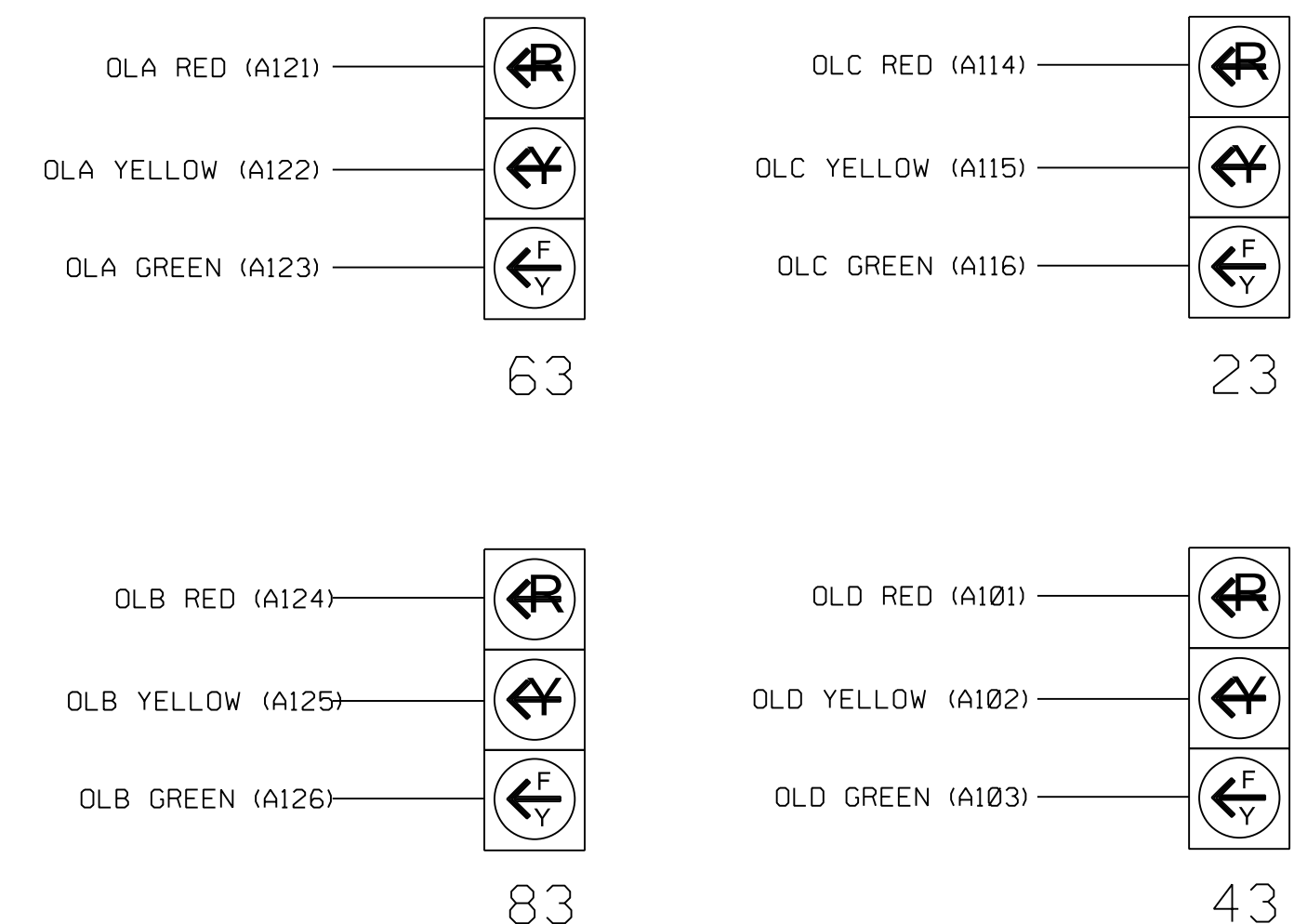


SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection for zones 2A, 2B, 4A, 4B, 6A, 6B, 8A and 8B. Perform installation according to manufacturer's directions and NCDOT engineer approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

3 SECTION FYA PPLT SIGNAL WIRING DETAIL

(wire signal head as shown)



NOTE

- The sequence display for these signals require special logic programming. See sheet 2 for programming instructions.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 08-0669T
 DESIGNED: August 2024
 SEALED: August 28, 2024
 REVISED: N/A

Signal Upgrade-Temporary Design
 (TMP Phase I Step 2)-Electrical Detail-Sheet 1 of 2

Electrical and Programming Details For: Prepared for the Offices of: P: (919) 878-9560 8801 Six Forks Road Suite 700 Raleigh, North Carolina 27615-2965 NC License No. F-0112 Engineers Construction Managers Planners Scientists www.rk.com Responsive People Creative Solutions	NC 211 (Aberdeen Rd) at SR 1311 (Mockingbird Hill Rd)/ SR 1244 (W Palmer St) Hoke County Reafoord		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL PORTER JONES ENGINEER 8/28/2024 DATE SIG. INVENTORY NO. 08-0669T
	Division 8 PLAN DATE: August 2024 PREPARED BY: VS Kondapally REVISIONS INIT. DATE	REVIEWED BY: DT Sears REVIEWED BY: W.P. Erickson-Jones DATE	

8/27/2024
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 wplones