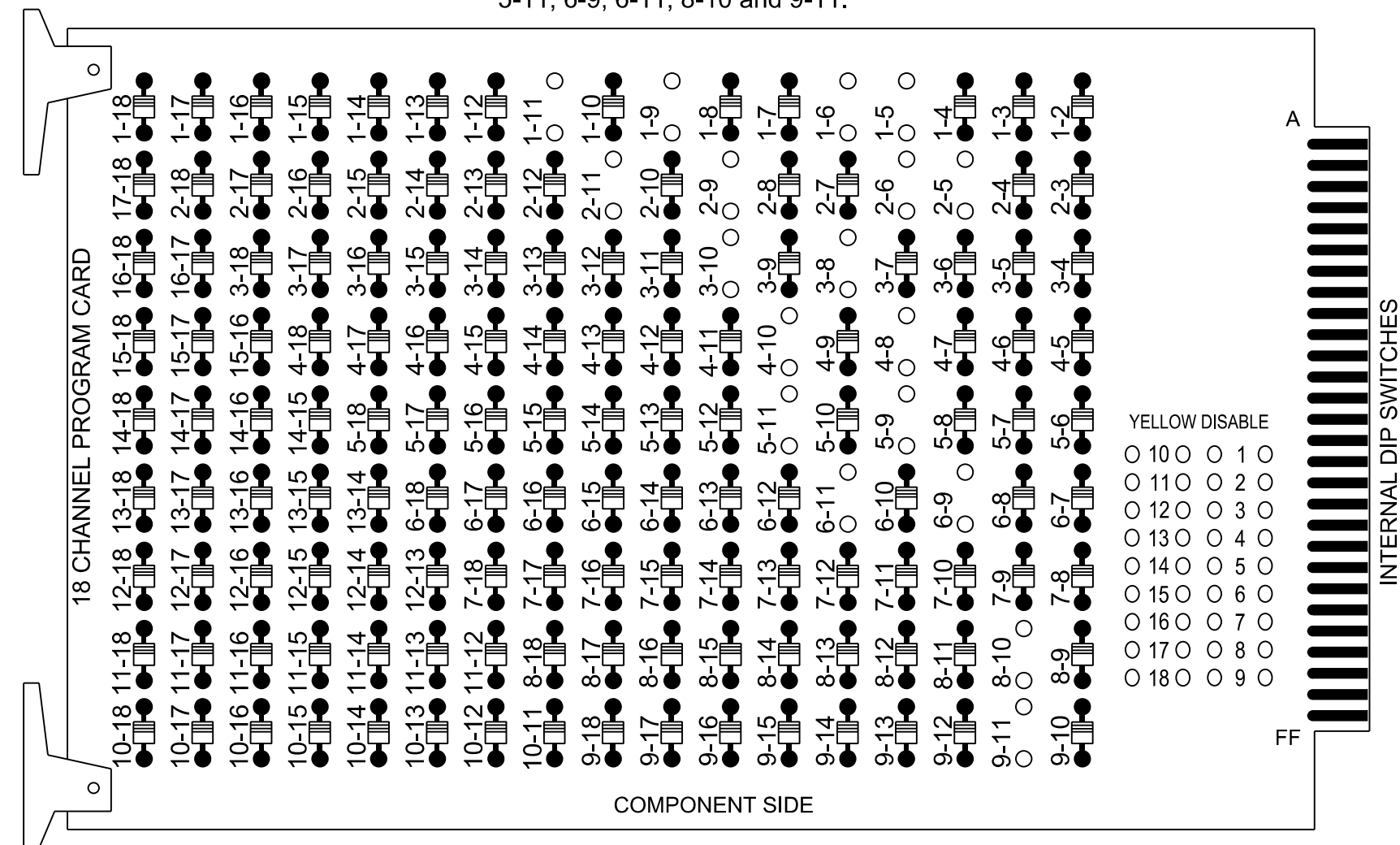


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 3-8, 3-10, 4-8, 4-10, 5-9, 5-11, 6-9, 6-11, 8-10 and 9-11.



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 the 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 plan.
- Program controller to start up in phase 2 Green No Walk and phase 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.

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.....S1, S2, S4, S5, S7, S8, S11,
 AUX S1, AUX S2, AUX S4
 Phases Used.....1, 2, 3, 4, 5, 6, 8
 Overlap "1".....*
 Overlap "2".....*
 Overlap "3".....*
 Overlap "4".....NOT USED

*See overlap programming detail on sheet 2.

SIGNAL HEAD HOOK-UP CHART

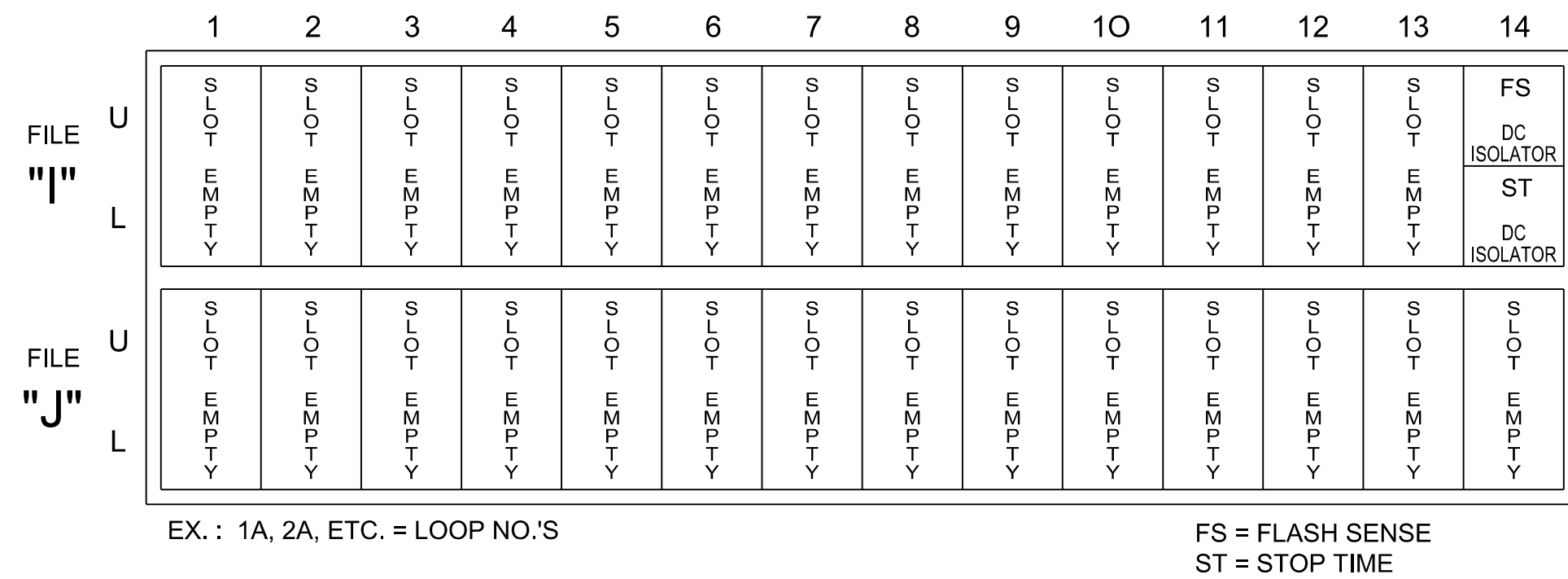
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	11*	21,22,23	NU	31*	41,42,43	NU	51*	61,62	NU	81,82,83	NU	11*	31*	NU	51*	NU	NU	NU
RED		128		101			134			107								
YELLOW	*	129		* 102			* 135			108								
GREEN		130		103			136			109								
RED ARROW													A121	A124		A114		
YELLOW ARROW													A122	A125		A115		
FLASHING YELLOW ARROW													A123	A126		A116		
GREEN ARROW	127			118			133											

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)

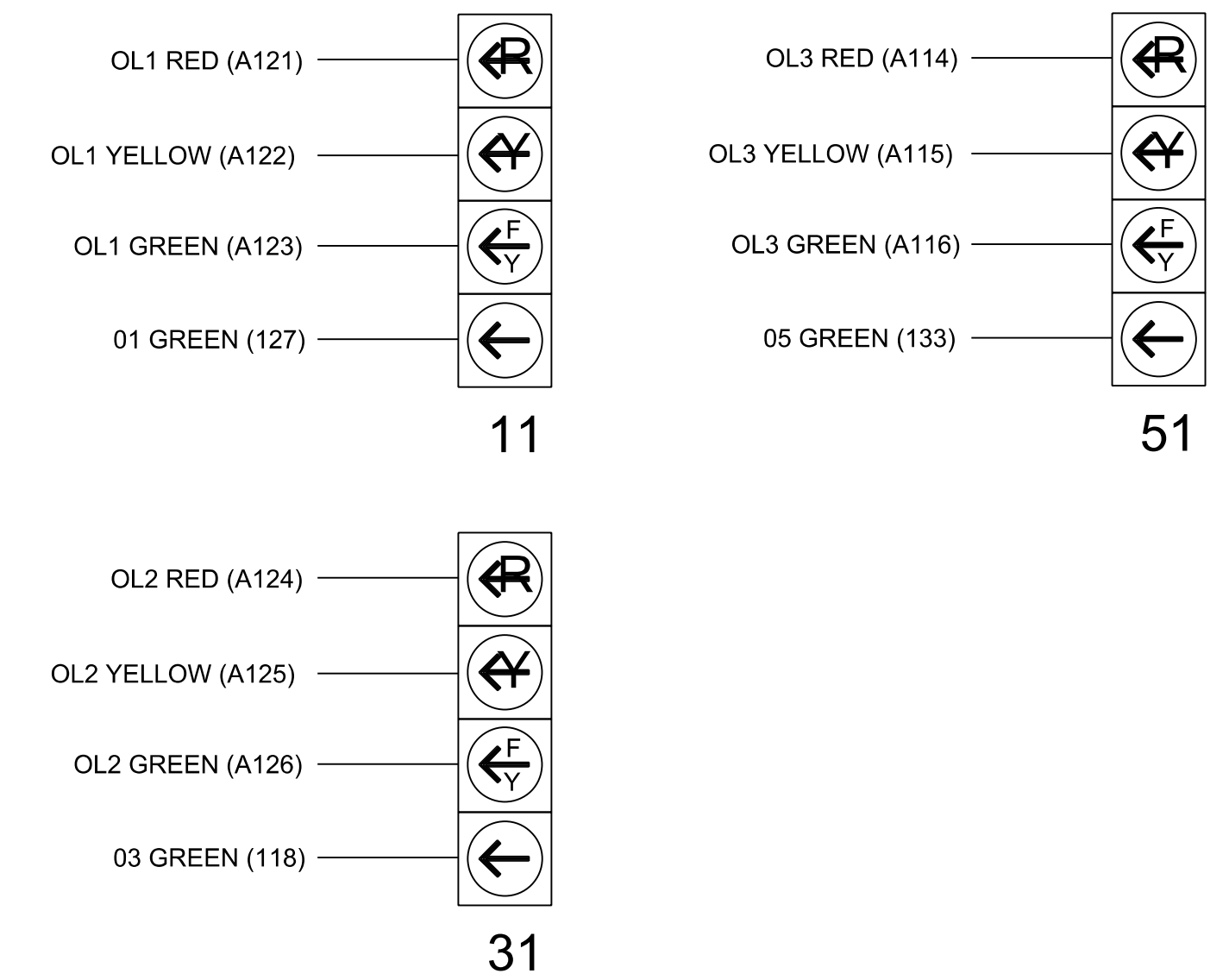


EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
 ST = STOP TIME

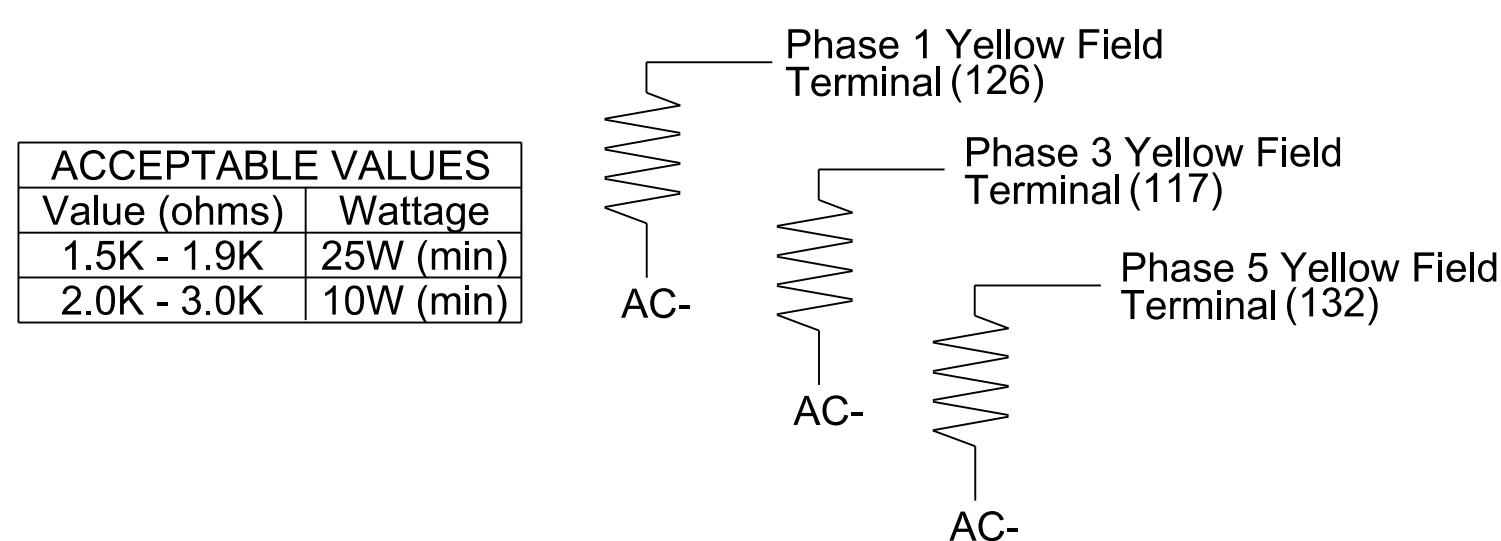
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



SPECIAL DETECTOR NOTE

Install a video detection system for vehicle detection for zones. 1A, 2A, 3A, 4A, 5A, 6A, and 8A. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-0966T3
 DESIGNED: February 2024
 SEALED: February 12, 2024
 REVISED:

Signal Upgrade - Temporary Design 3 (TMP Phase II) Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For: Prepared for the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529 P: (919) 878-9550 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	US 158 (Reidsville Rd.) at SR 2385 (Darrow Road) Division 9 Forsyth County Walkertown PLAN DATE: February 2024 REVIEWED BY: DT Sears PREPARED BY: WP Erickson-Jones REVIEWED BY: REVISIONS INIT. DATE 2/12/2024 SIG. INVENTORY NO. 09-0966T3	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL W. PORTER JONES ENGINEER 2/12/2024 DATE
--	--	---