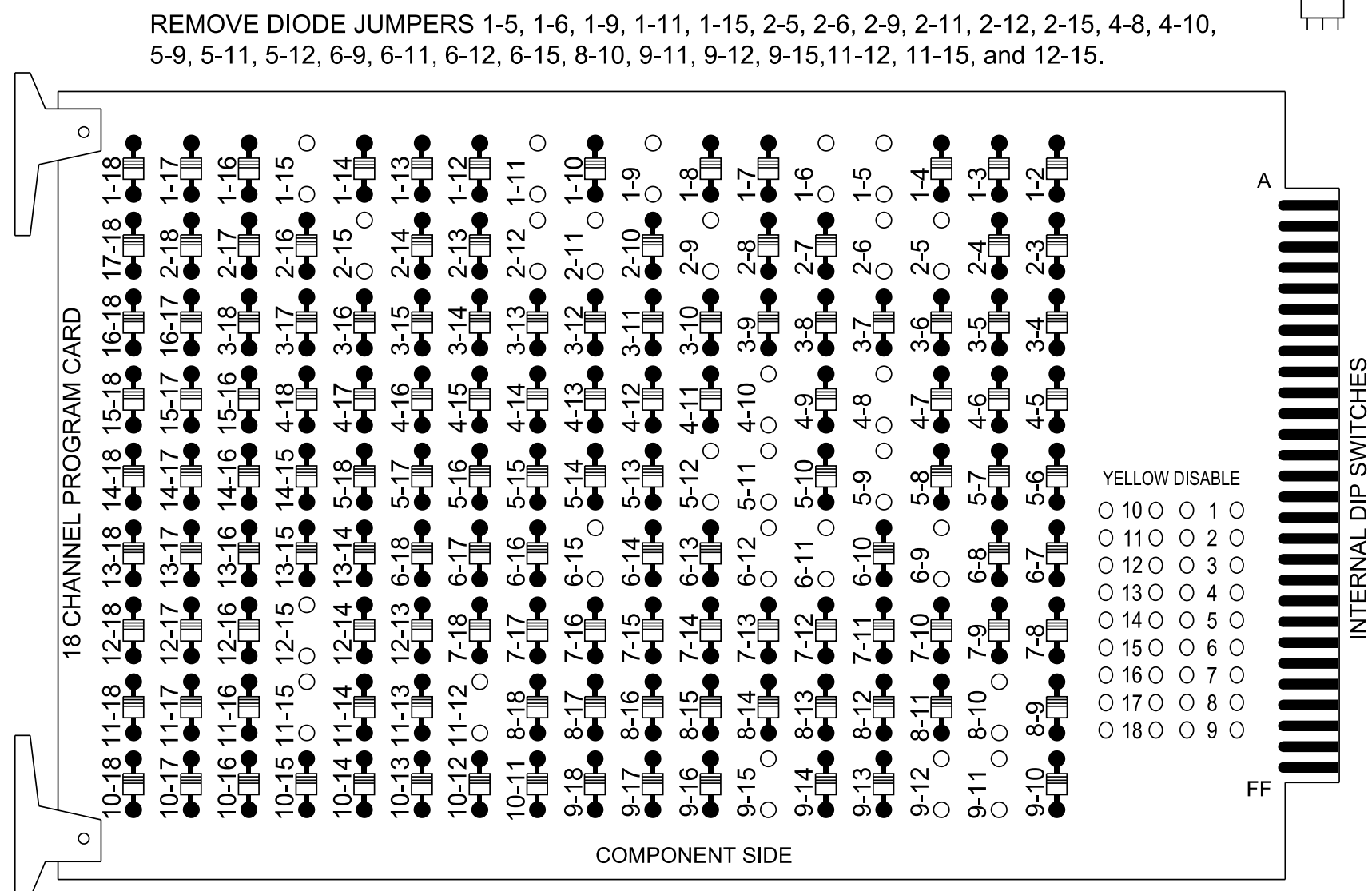


18 CHANNEL IP CONFLICT MONITOR

PROGRAMMING DETAIL

PROGRAMMING DETAIL

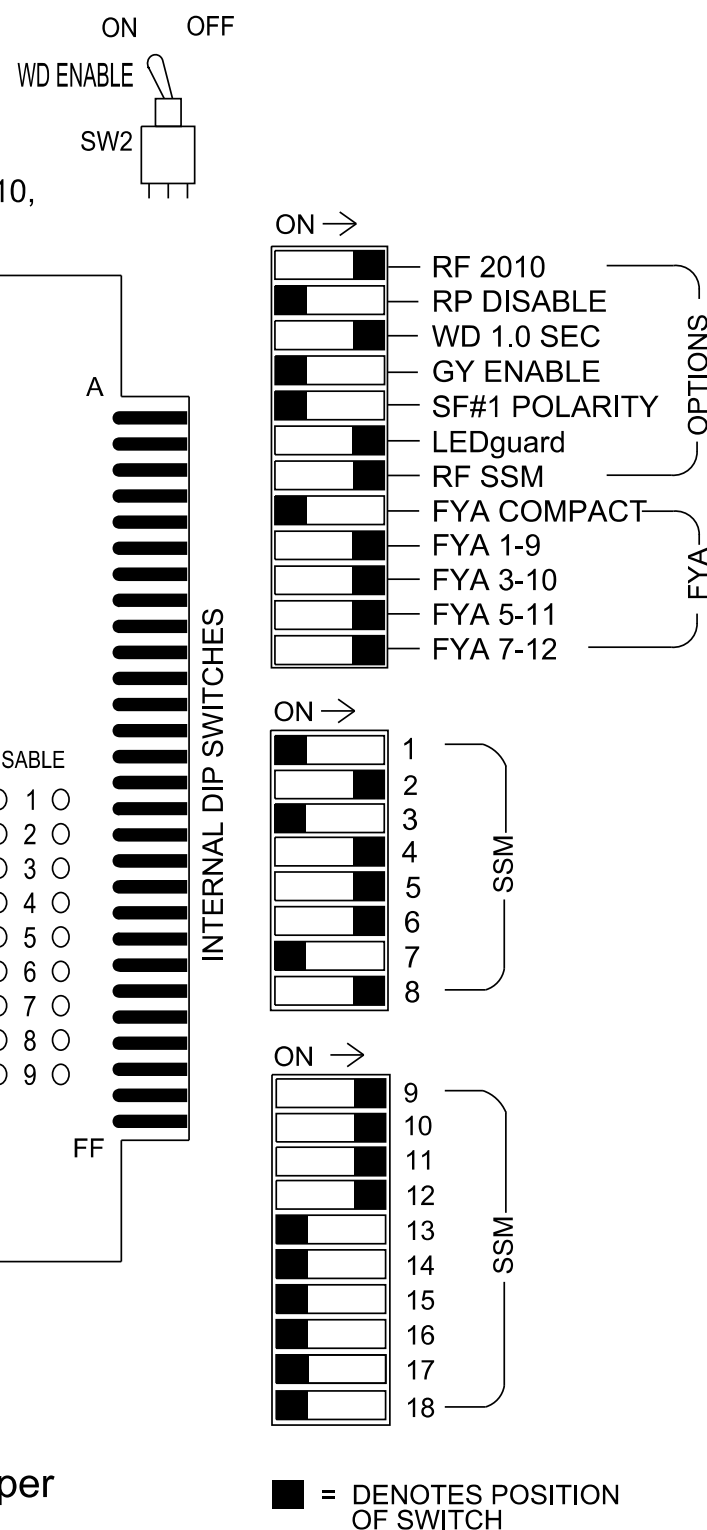
(remove jumpers and set switches as shown)



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. Integrate monitor with Ethernet network in cabinet..



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 8 for Dual Entry.
3. Program controller to start up in phase 2 Green No Walk and 6 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.
5. The cabinet and controller are part of the Signal System #: D07-09_Mayodan

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, S5, S7, S8, S9, S11,
                        AUX S1, AUX S2, AUX S4, AUX S5
Phases Used.....1, 2, 4, 5, 6, 6PED, 8
Overlap "1" .....*
Overlap "2" .....*
Overlap "3" .....*
Overlap "4" .....*

```

*See overlap programming detail on sheet 2

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	CALL	DELAY DURING GREEN
1A	TB2-1,2	I1U	56	18 -	1 29	1 6	15.0 3.0		X X		X X	
2A	TB2-5,6	I2U	39	1	2	2	-		X	X	X	
4A	TB4-9,10	I6U	41	3	8	4	3.0		X		X	
5A	TB3-1,2	J1U	55	17 -	15 31	5 2	15.0 3.0		X X		X X	
5B	TB4-11,12	J6L	45	7	9	5	15.0		X		X	
6A	TB3-5,6	I2U	40	2	16	6	-		X	X	X	
8A	TB5-9,10	J6U	42	4	22	8	3.0		X		X	
8B	TB5-11,12	J6L	46	8	23	8	10.0		X		X	
PED PUSH BUTTONS							NOTE: INSTALL DC ISOLATOR IN INPUT FILE SLOT I13.					
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						

*System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LAYOUT

(front view)

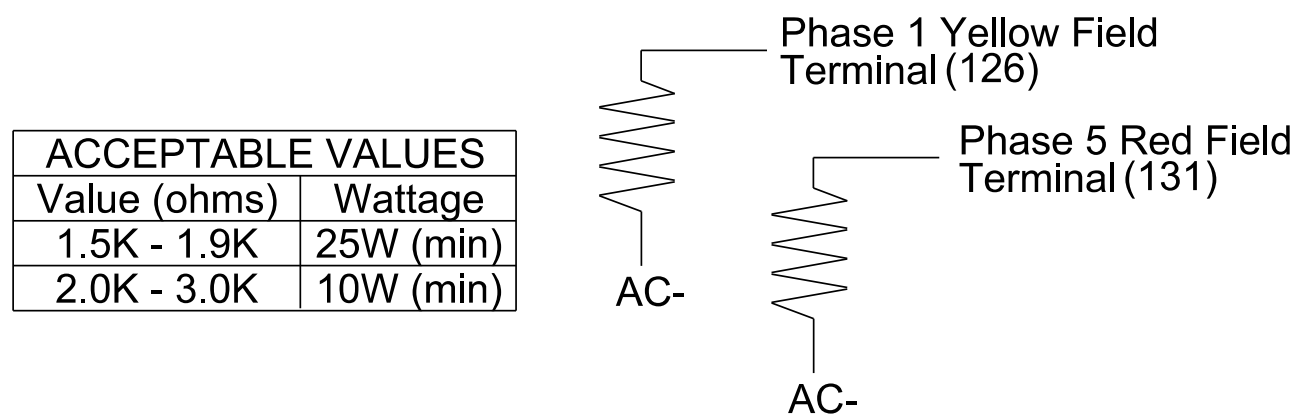
[illegible]

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

FS = FLASH SENSE
ST = STOP TIME

LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



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	NU	NU	41,42	NU	51★	42	61,62	P61, P62	NU	82,83	NU	11★	81★	NU	51★	23★ NU
RED		128			101		*	134			107						A101	
YELLOW	*	129			102			135			108							
GREEN		130			103			136			109							
RED ARROW													A121	A124		A114		
YELLOW ARROW							132						A122	A125		A115	A102	
FLASHING YELLOW ARROW													A123	A126		A116	A103	
GREEN ARROW	127						133	133										
									119									
									121									

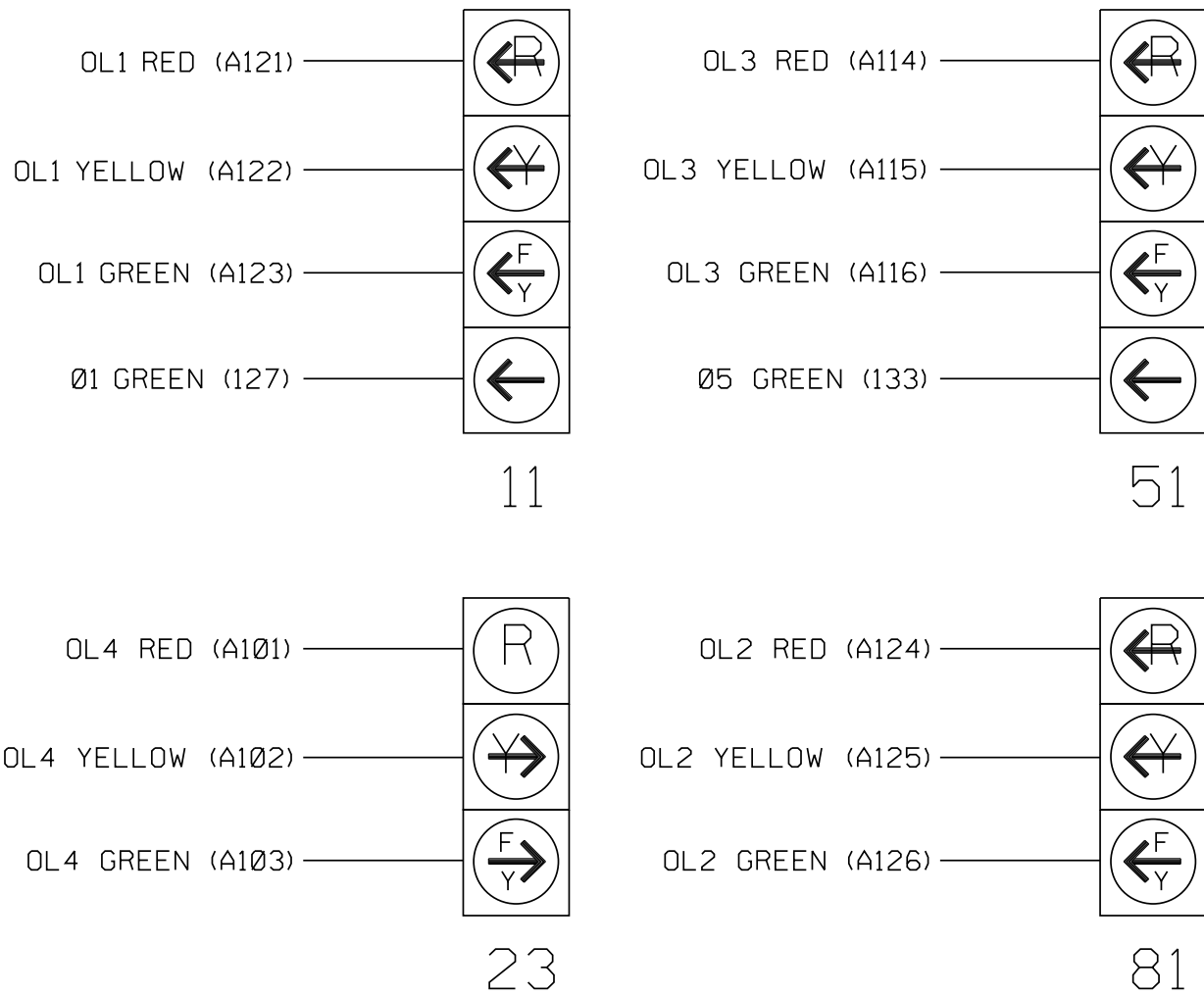
NU = Not Used

* Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

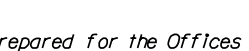
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-2075
DESIGNED: June 2025
SEALED: 6/27/2025
REVISED: N/A

Signal Upgrade - Final Design
Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:	US 311/NC 135 at SR 2271 (Shakey Road) and SR 2283 (Commerce Drive)	SEAL 																																	
Prepared for the Offices of: 	Division 7 Rockingham County Mayodan																																		
	PLAN DATE: June 2025 REVIEWED BY: _____																																		
	PREPARED BY: Golan Moynuddin REVIEWED BY: _____																																		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">REVIEWS</th> <th style="width: 20%;">INIT.</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVIEWS	INIT.	DATE																															
REVIEWS	INIT.	DATE																																	
750 N.Greenfield Pkwy,Garner,NC 27529		Signed by:  gmoyn@ncpe.org 6/27/2025 DATE																																	
		SIG. INVENTORY NO. 07-2075																																	

**DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED**

SEAL



Signed by: Gulam Moineuddin

03/07/2025

DATE

SIG. INVENTORY NO. 07-2075