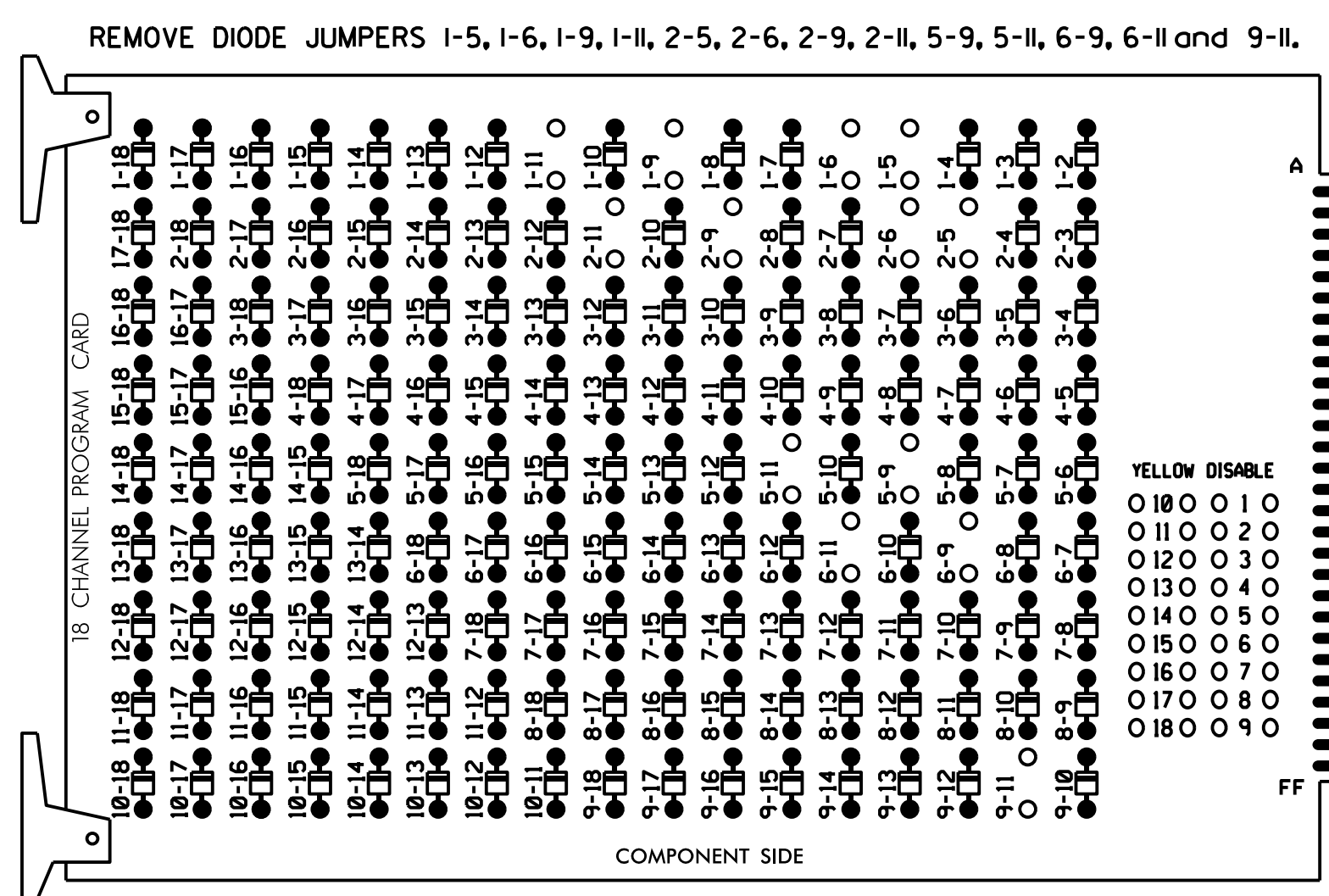


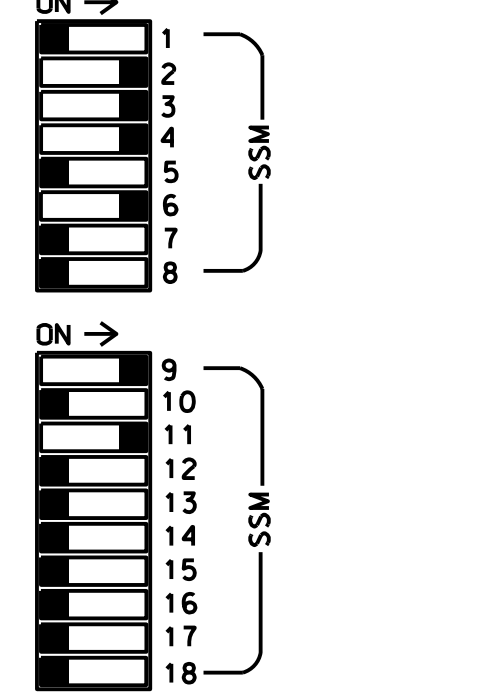
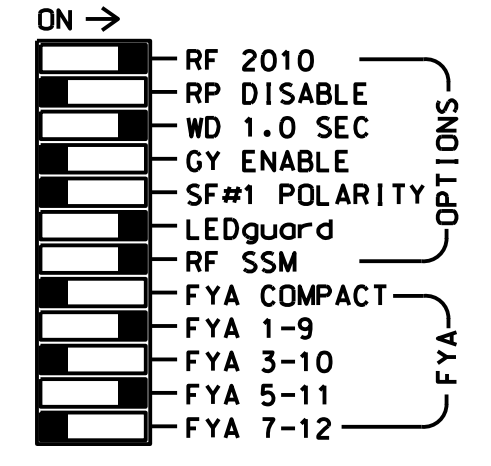
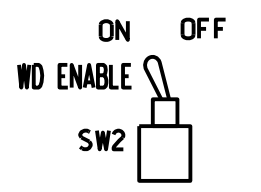
### 18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches 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 Red Enable is active at all times during normal operation.



### 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 controller to start up in phase 2 Green No Walk and 6 Green No Walk.

### EQUIPMENT INFORMATION

CONTROLLER.....2070LX  
 CABINET.....332 W/AUX  
 SOFTWARE.....0-FREE MAXTIME  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S1,S2,S4,S5,S7,S8,AUX S1,AUX S4  
 PHASES USED.....1,2,3,4,5,6  
 OVERLAP "1".....\*  
 OVERLAP "2".....NOT USED  
 OVERLAP "3".....\*  
 OVERLAP "4".....NOT USED  
 \* See overlap programming detail below.

### 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	31, 32,33	22	41, 42,43	NU	51	61,62	NU	NU	NU	11	NU	NU	51	NU	NU
RED	128			116, 116		101, 101			134									
YELLOW	*	129		117, 117		102, 102		*	135									
GREEN		130		118, 118		103, 103			136									
RED ARROW													A121				A114	
YELLOW ARROW						102							A122				A115	
FLASHING YELLOW ARROW													A123				A116	
GREEN ARROW	127			118		103, 103			133									

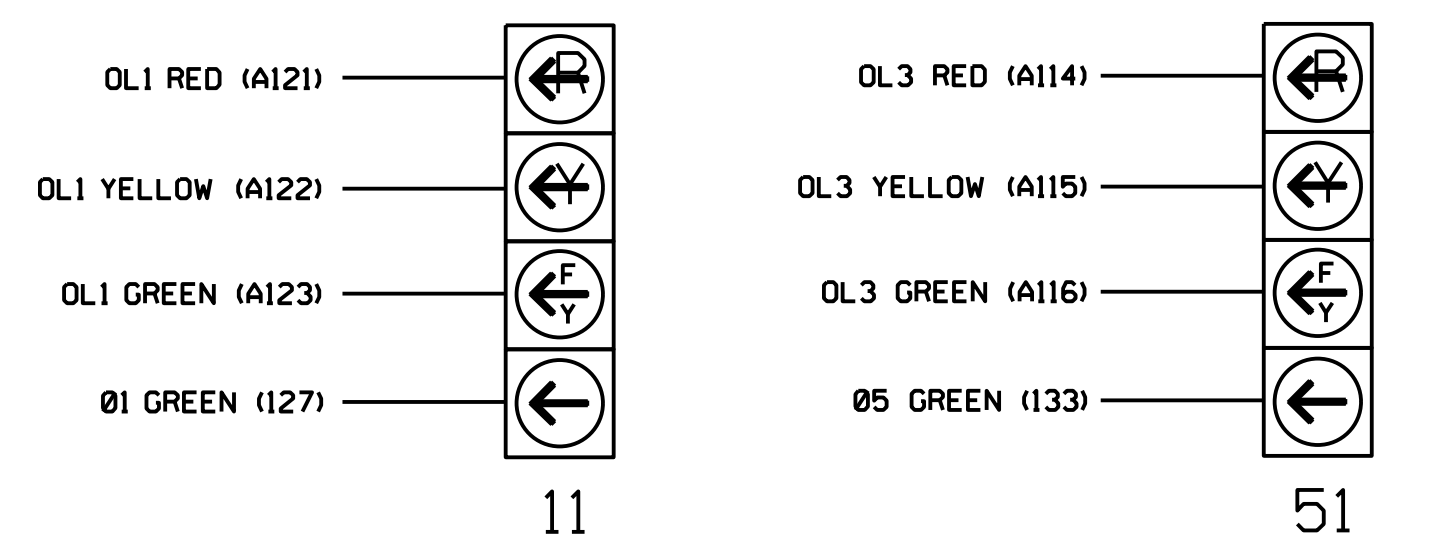
NU = Not Used

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

\* See pictorial of head wiring in detail this sheet.

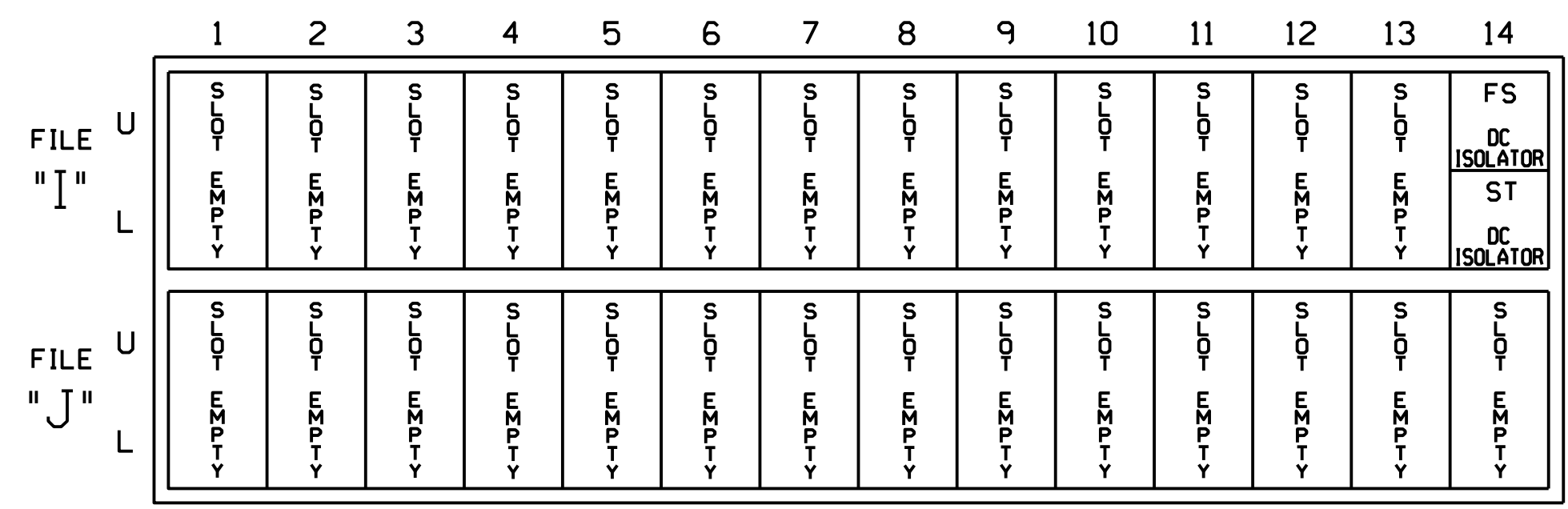
### FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



### INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE  
 ST = STOP TIME

### OVERLAP PROGRAMMING

Front Panel  
 Main Menu > Controller > Overlap > Overlap Parameters/Overlap Timings

Web Interface  
 Home > Controller > Overlap Configuration > Overlaps

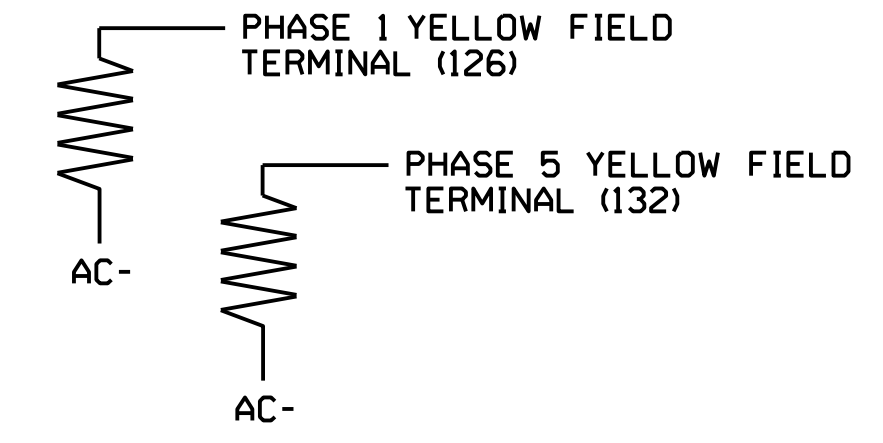
Overlap Plan 1

Overlap	1	3
Type	FYA 4 - Section	FYA 4 - Section
Included Phases	2	6
Modifier Phases	1	5
Modifier Overlaps	-	-
Trail Green	0	0
Trail Yellow	0.0	0.0
Trail Red	0.0	0.0

### LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown below)

VALUE (ohms)	WATTAGE
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-0589T3  
 DESIGNED: August 2023  
 SEALED: 9/7/2023  
 REVISED: N/A

### 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 scheme shown on the Signal Design Plans.

Electrical Detail - Temporary Design 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

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Prepared For:

750 N. Greenfield Pkwy, Corner, NC 27529

NC 66 (Old Hollow Road)  
 at  
 SR 2004 (Main Street) /  
 Centre Stage Shopping Center  
 Division 9 Forsyth County Walkertown

PLAN DATE: August 2023 REVIEWED BY: E. Sirgany  
 PREPARED BY: J. Smith REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL

DocuSigned by:  
 Edward W. Sirgany 9/7/2023  
 DATE

SIG. INVENTORY NO. 09-0589T3