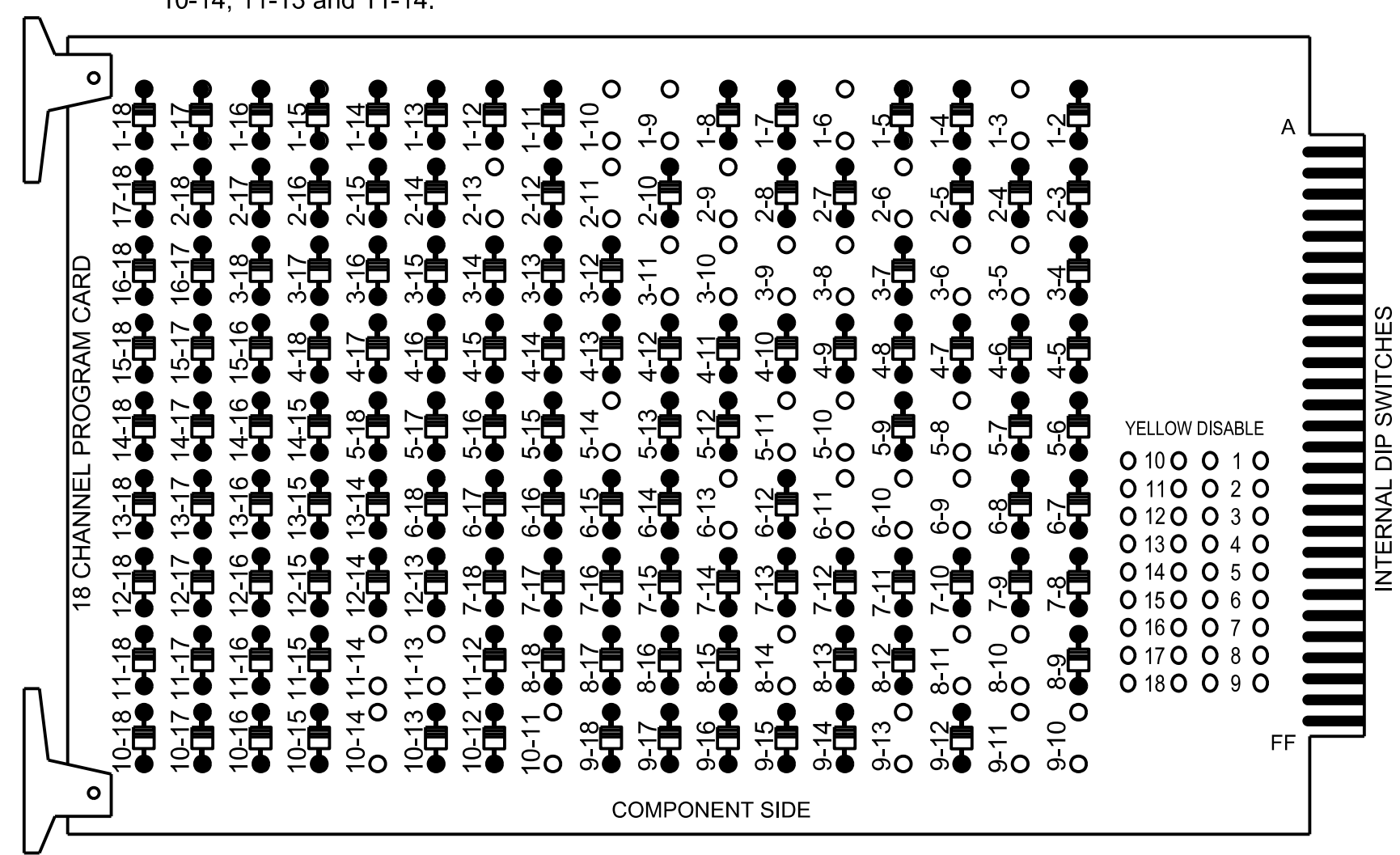


### 18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

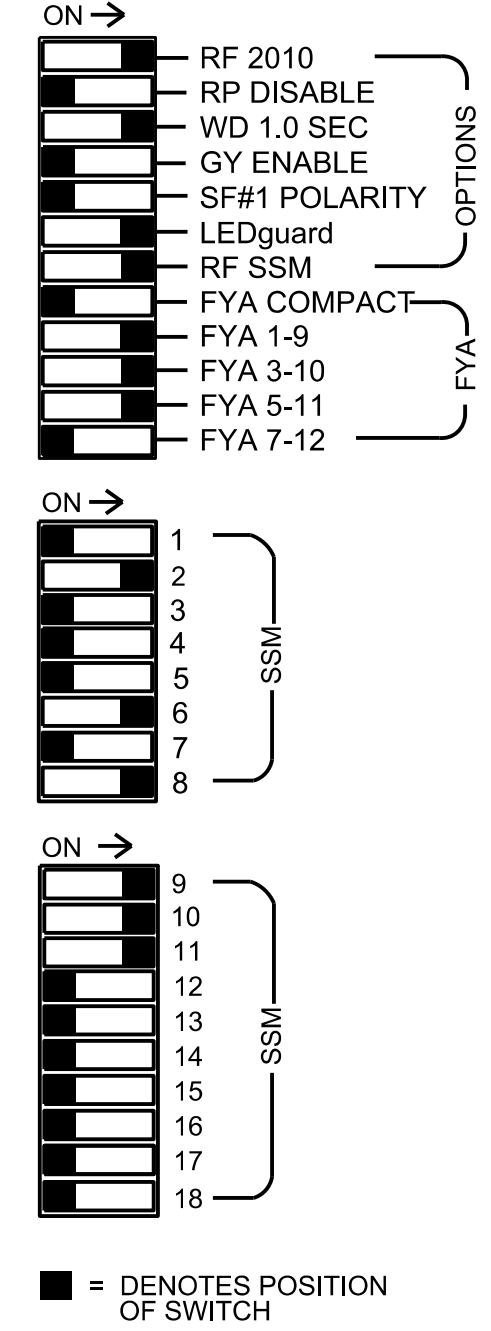
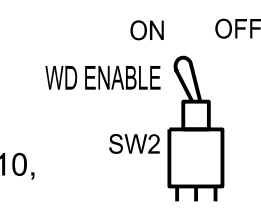
REMOVE DIODE JUMPERS 1-3, 1-6, 1-9, 1-10, 2-6, 2-9, 2-11, 2-13, 3-5, 3-6, 3-8, 3-9, 3-10, 3-11, 5-8, 5-10, 5-11, 5-14, 6-9, 6-10, 6-11, 6-13, 8-10, 8-11, 8-14, 9-10, 9-11, 9-13, 10-11, 10-14, 11-13 and 11-14.



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.
- Integrate monitor with Ethernet network in cabinet.



■ = DENOTES POSITION OF SWITCH

### NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all 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 Salisbury Street Closed Loop System.

### 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, S3, S4, S6, S7, S8, S11, AUX S1, AUX S2, AUX S4  
 Phases Used.....1, 2, 2PED, 3, 4, 4PED, 6  
 Overlap "1".....\*  
 Overlap "2".....\*  
 Overlap "3".....\*  
 Overlap "4".....NOT USED  
 Overlap "5".....NOT USED  
 Overlap "6".....NOT USED  
 Overlap "7".....\*  
 Overlap "8".....\*  
 Overlap "9".....\*

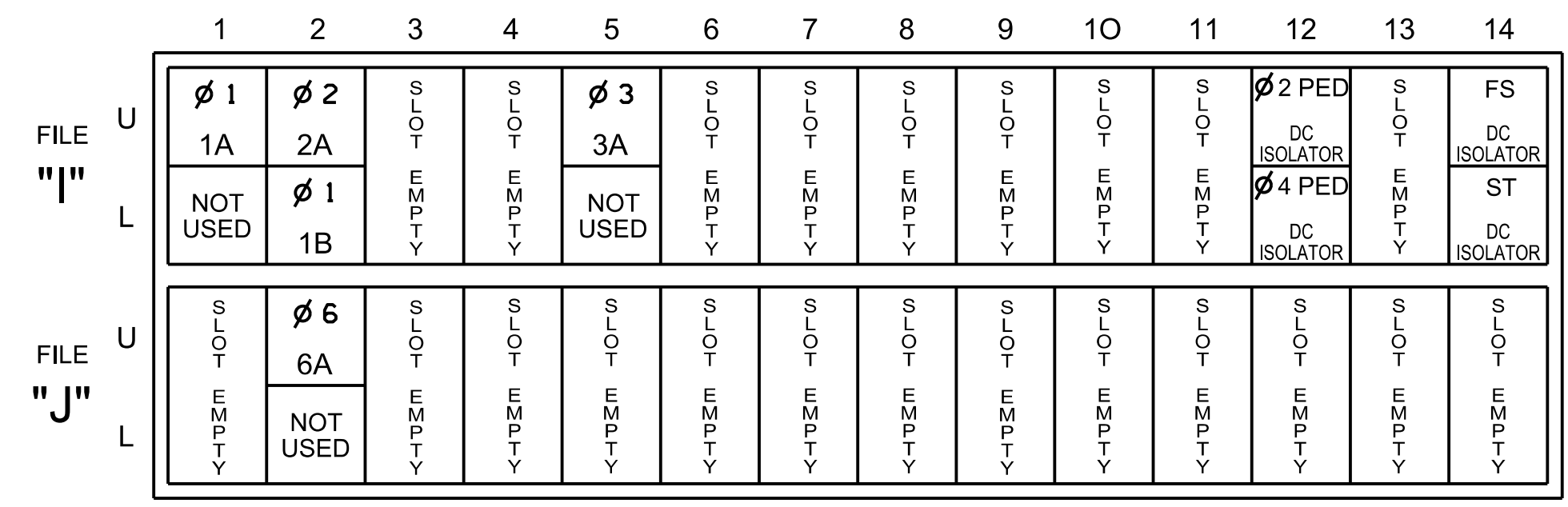
\*See overlap programming detail on sheet 2

### 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	OL7	4	4 PED	OL8	6	6 PED	7	OL9	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	11	21,22	P21 P22	32	NC	P41 P42	23	61,62 63	NU	NU	31,34	33	11	32	NU	23	NU	NU
RED	128							134			107			A124		A114		
YELLOW	*	129		*			*	135			108							
GREEN		130						136			109							
RED ARROW											107			A121				
YELLOW ARROW											108			A122	A125		A115	
FLASHING YELLOW ARROW														A123	A126		A116	
GREEN ARROW	127			118			133				109							
Hand				113			104											
Walking				115			106											

NU = Not Used  
 NC = Not Connected  
 \*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)

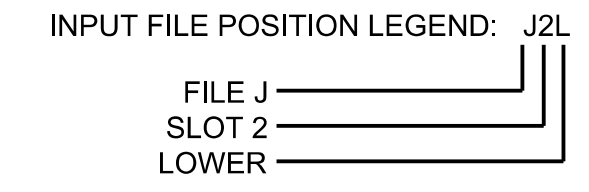


EX. : 1A, 2A, ETC. = LOOP NO.'S  
 FS = FLASH SENSE  
 ST = STOP TIME

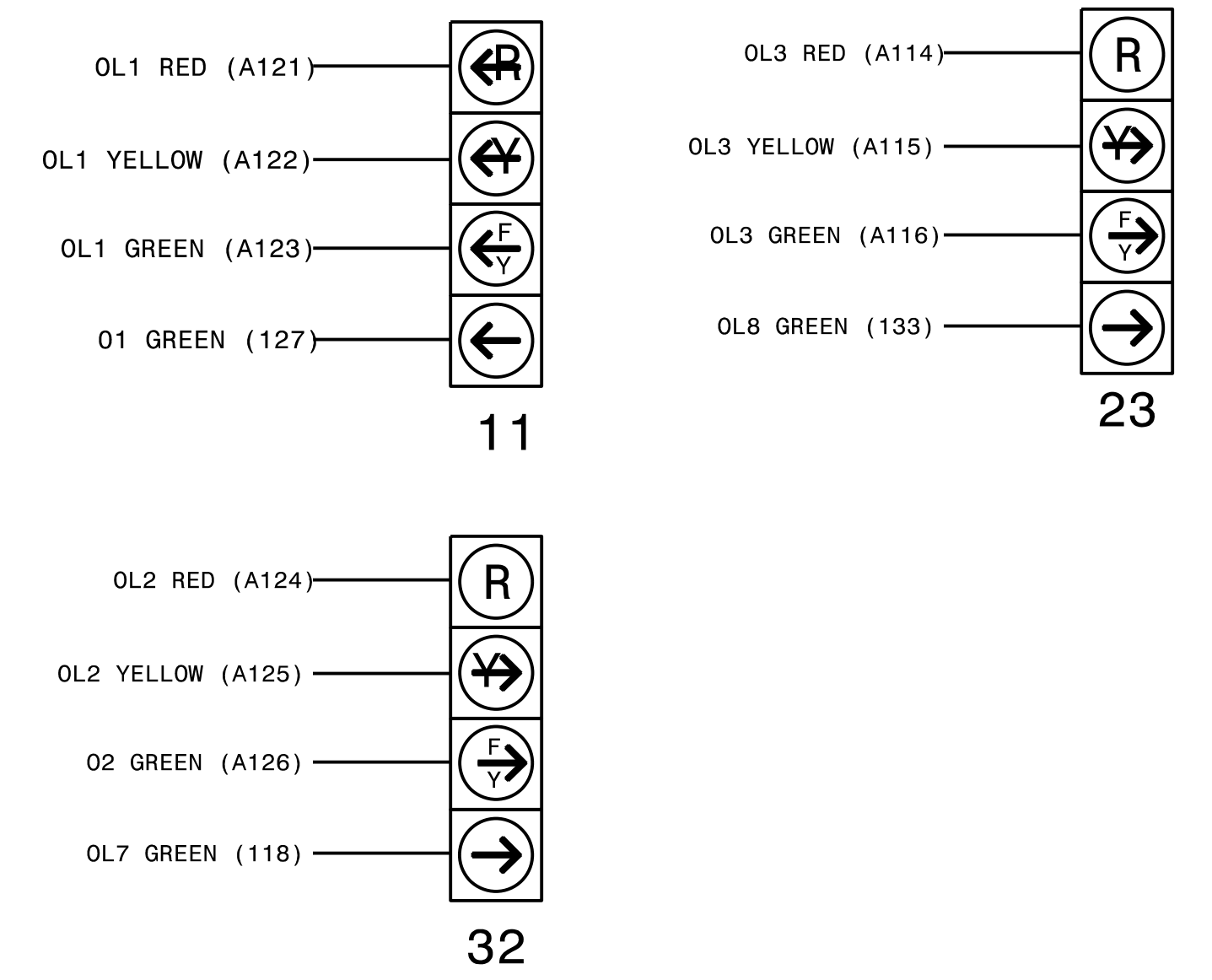
### INPUT FILE CONNECTION & PROGRAMMING CHART

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	1	15.0		X		X	
1B	TB2-7,8	I2L	43	5	3	1	15.0		X		X	
2A	TB2-5,6	I2U	39	1	2	2			X	X	X	
3A	TB4-5,6	I5U	58	20	7	3	3.0		X	X	X	
6A	TB3-5,6	J2U	40	2	16	6			X	X	X	
PED PUSH BUTTONS												
P21,P22	TB8-4,6	I12U	67	33	2	PED 2						
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						

NOTE: INSTALL DC ISOLATOR IN INPUT FILE SLOT I12.

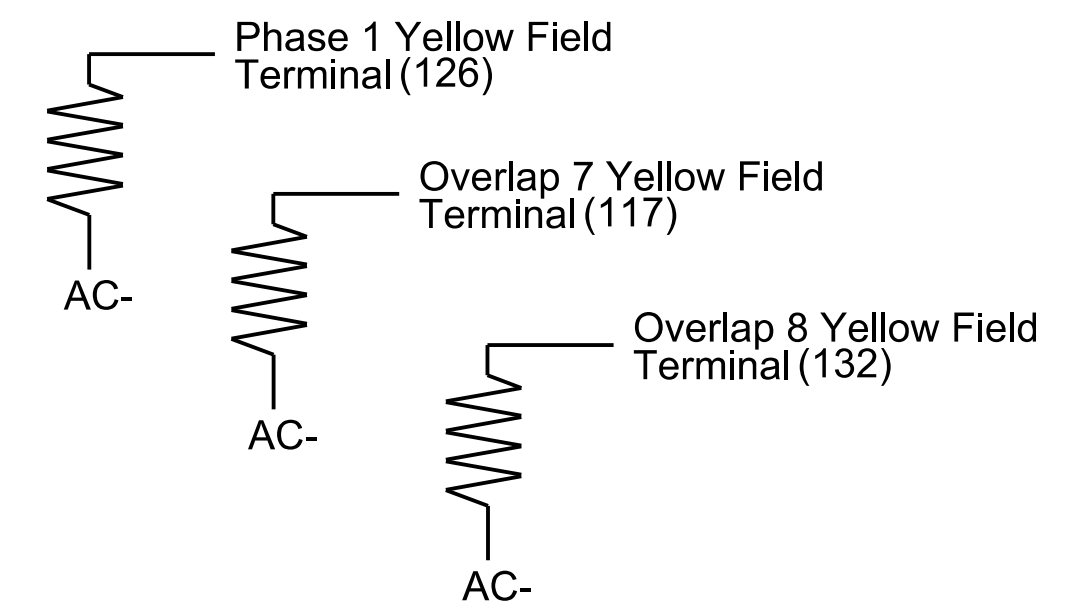


### FYA SIGNAL WIRING DETAIL (wire signal heads as shown)



### LOAD RESISTOR INSTALLATION DETAIL (install resistors 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: 08-0661  
 DESIGNED: February 2026  
 SEALED: March 11, 2026  
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared for the Offices of:

750 N. Greenfield Pkwy, Corner, NC 27529

NC 42 at SR 2197 (Dublin Rd)

Division 8 Randolph County Asheboro

PLAN DATE: February 2026 REVIEWED BY: LD STOUCHKO

PREPARED BY: S O'Farrell REVIEWED BY:

REVISIONS	INT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

Lois Stouchko

11-Mar-2026

SIGNATURE DATE

SIG. INVENTORY NO. 08-0661