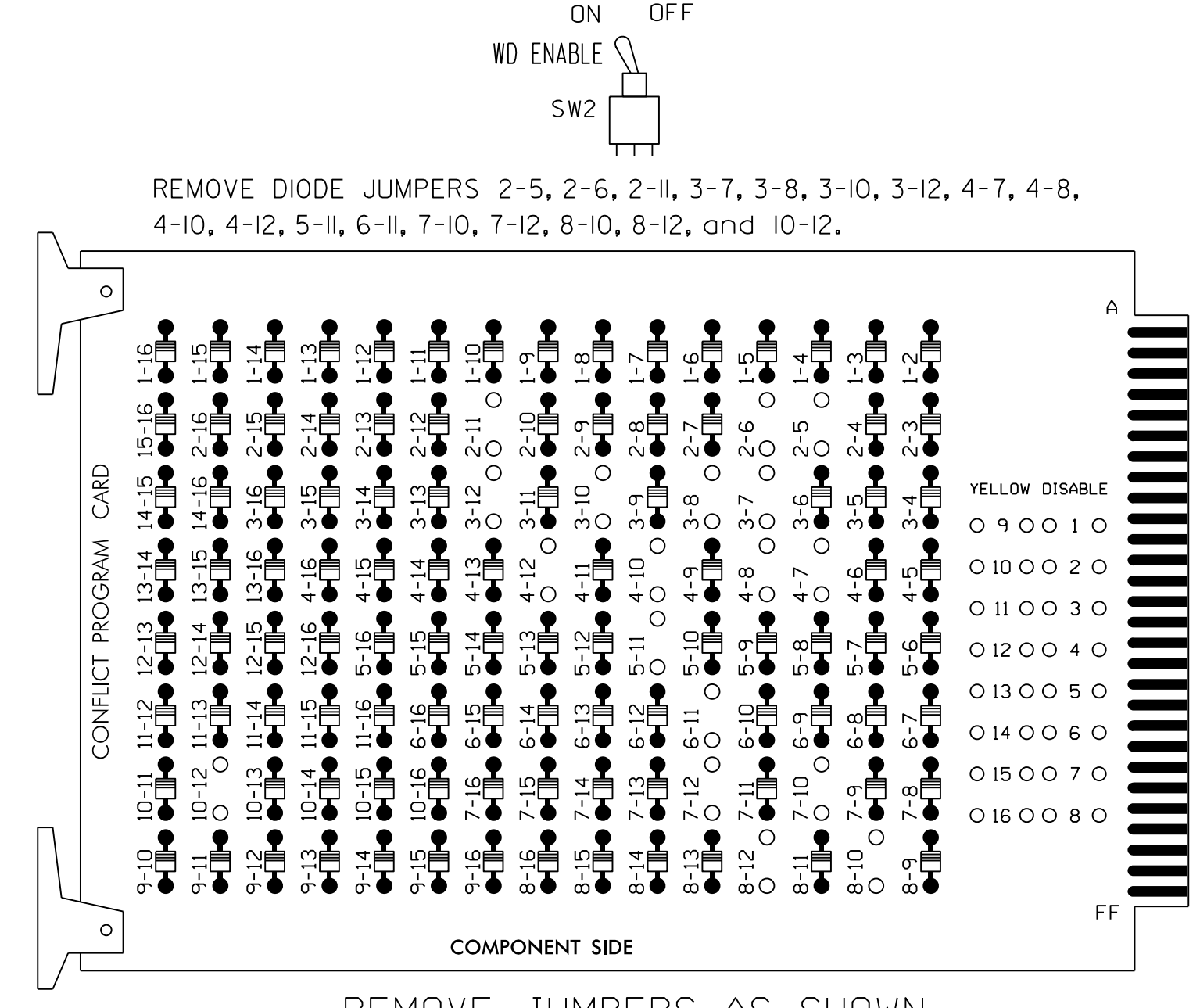


EDI MODEL 2010ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

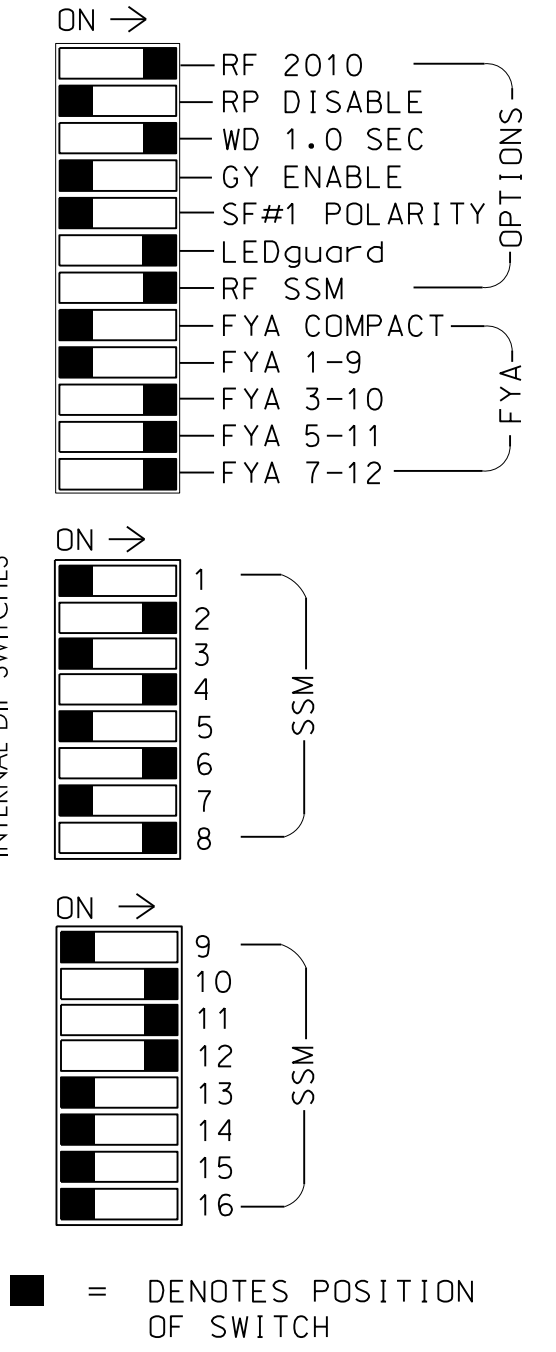


REMOVE DIODE JUMPERS 2-5, 2-6, 2-11, 3-7, 3-8, 3-10, 3-12, 4-7, 4-8, 4-10, 4-12, 5-11, 6-11, 7-10, 7-12, 8-10, 8-12, and 10-12.

REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.



■ = DENOTES POSITION OF SWITCH

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.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1,3,5,7,9,13,14,15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green and 6 Green.
- 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 Signal System D06-24 Lumberton, NC 41-72 (Second St.)

EQUIPMENT INFORMATION

CONTROLLER.....2070LX
 CABINET.....332 W/ AUX
 SOFTWARE.....ECONOLITE ASC/3-2070
 CABINET MOUNT.....BASE
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
 LOAD SWITCHES USED.....S2,S4,S5,S7,S8,S10,S11,AUX S2
 AUX S4,AUX S5
 PHASES USED.....2,3,4,5,6,7,8
 OVERLAP "A".....NOT USED
 OVERLAP "B".....*
 OVERLAP "C".....*
 OVERLAP "D".....*
 * See overlap programming detail on sheet 2

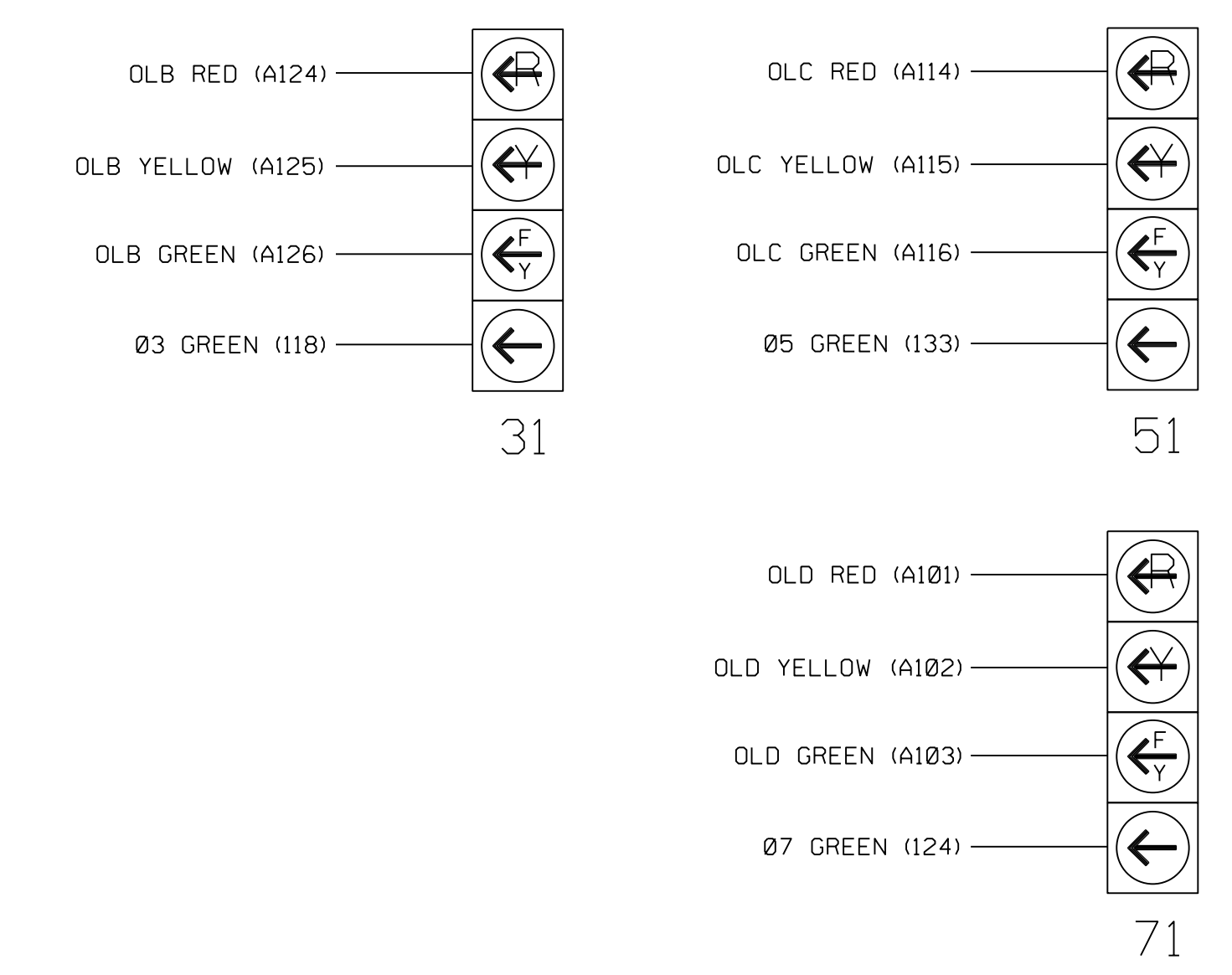
SIGNAL HEAD HOOK-UP CHART

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	OLA	OLB	SPARE	OLC	OLD	SPARE	
SIGNAL HEAD NO.	NU	21,22	NU	31	41,42	NU	51	61,62	NU	71	81,82	NU	31	NU	51	71	NU	NU	
RED		128		101				134			107								
YELLOW		129		* 102			* 135			* 108									
GREEN		130			103			136			109								
RED ARROW													A124			A114	A101		
YELLOW ARROW														A125			A115	A102	
FLASHING YELLOW ARROW															A126			A116	A103
GREEN ARROW				118			133			124									

NU = Not Used
 * Denotes install load resistor. See load resistor installation detail this sheet.
 ★ See pictorial of head wiring in detail below.

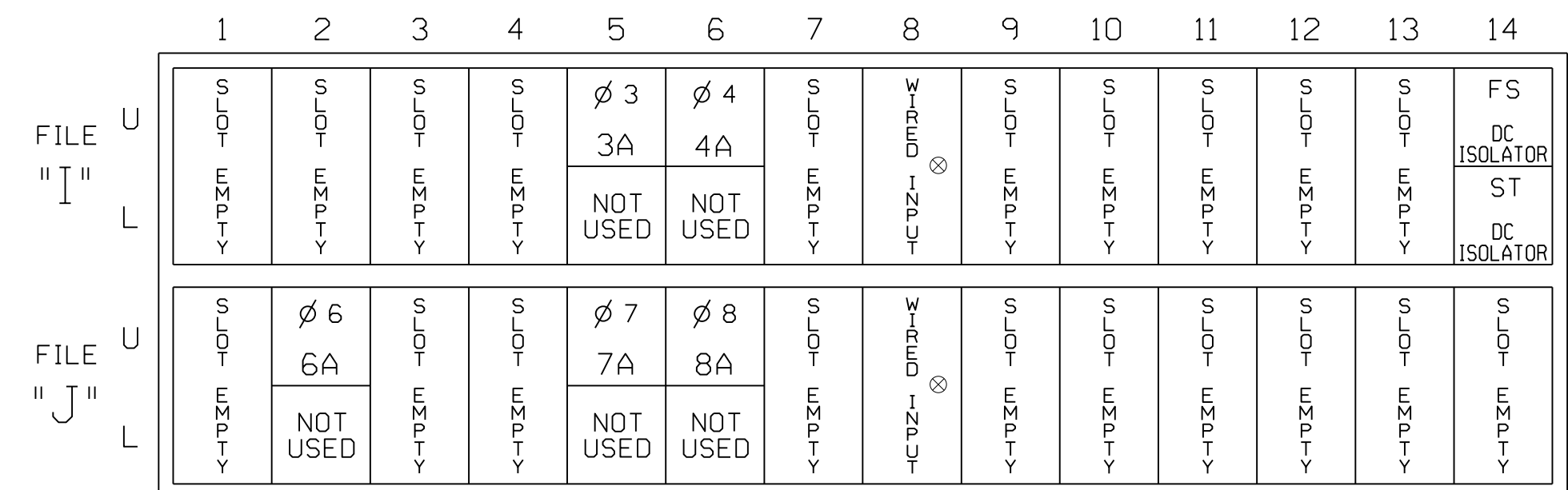
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)



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

FS = FLASH SENSE
 ST = STOP TIME

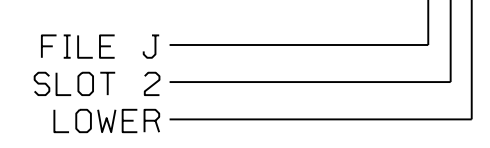
* Microwave Detector Input - Do not populate slot with detector card.

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
3A ¹	TB4-5,6	I5U	58	3	3	YES		15		N
	-	J8U	50	28	8	YES		3		N
4A	TB4-9,10	I6U	41	4	4	YES		10		N
6A	TB3-5,6	J2U	40	6	6	YES				N
7A ²	TB5-5,6	J5U	57	7	7	YES		15		N
	-	I8U	49	24	4	YES		3		N
8A	TB5-9,10	J6U	42	8	8	YES		10		N

- * Microwave detector - see wiring detail on sheet 2.
¹Add jumper from I5-W to J8-W, on rear of input file.
²Add jumper from J5-W to I8-W, on rear of input file.

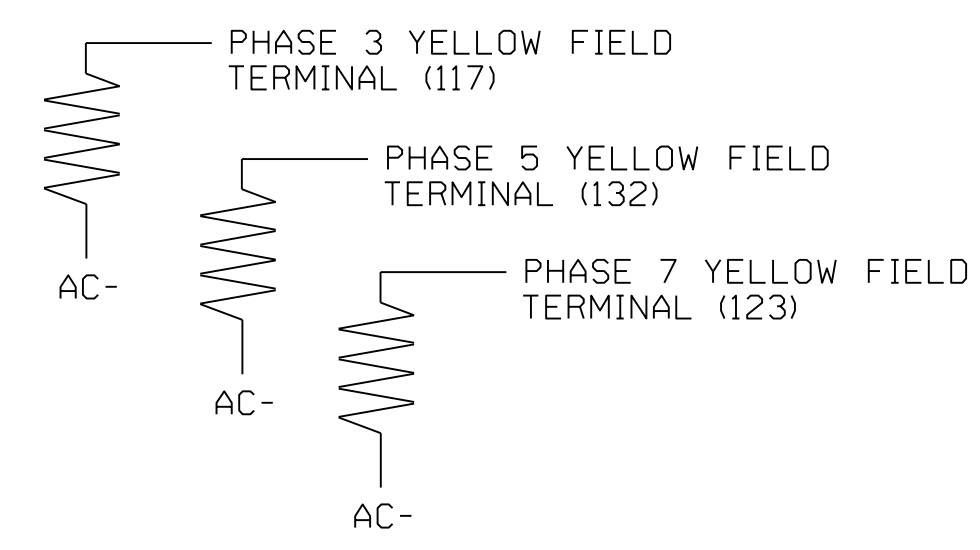
INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)

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



SPECIAL DETECTOR NOTES

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

Temporary Design
 Electrical Detail - Sheet 1 of 3

ELECTRICAL AND PROGRAMMING DETAILS FOR:
 Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

SR 1600 (West 5th Street) at SR 1536 (Water Street)
 Division 6 Robeson County Lumberton
 PLAN DATE: FEBRUARY 2023 REVIEWED BY: R M Muncey
 PREPARED BY: D. Waller REVIEWED BY:
 REVISIONS: INIT. DATE

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 06-0343T
 DESIGNED: JULY 2022
 SEALED: FEBRUARY 2023
 REVISED: N/A

REGINA M. MUNCEY
 PROFESSIONAL ENGINEER
 License No. 43239
 Date: February 2/2/2023
 Signature: _____
 Date: _____

2:58:54 PM
 U:\Projects\Signal\Temporary Design\B-5985A\SIG-4.1.dwg
 User: rmuncey

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