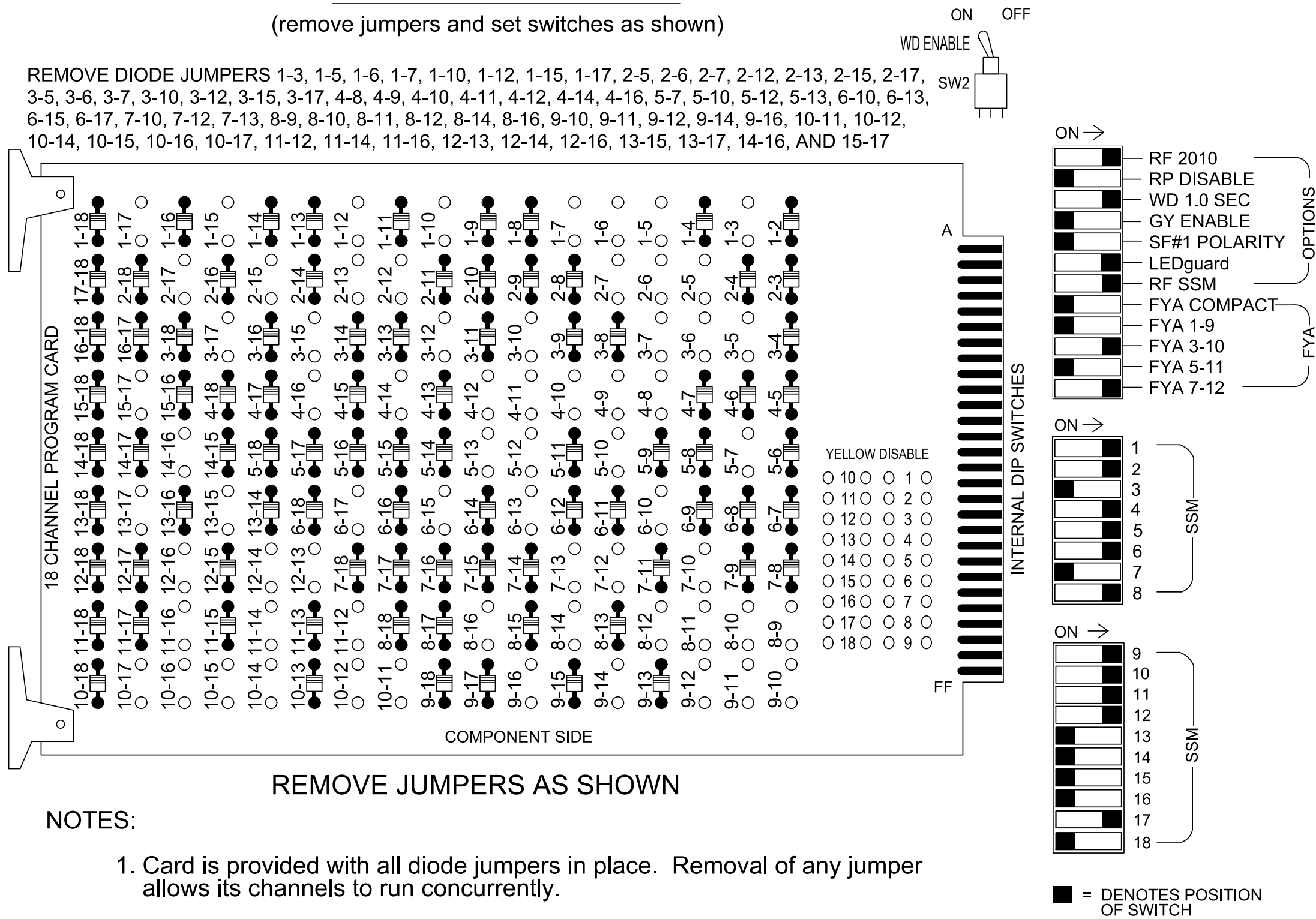


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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 phases 4 and 8 for Dual Entry.
- 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.

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, S5, S6, S7, S8, S9, S10, S11, S12, AUX S1,AUX S2, AUX S3, AUX S4, AUX S5
Phases Used.....1,2,2PED,4,4PED,5,6,6PED,8,8PED
Overlap "1".....*
Overlap "2".....*
Overlap "3".....*
Overlap "4".....*
Overlap "5".....*
Overlap "6".....NOT USED
Overlap "7".....*
Overlap "8".....*

*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	5	6	6 PED	OL8	8	8 PED	OL1	OL2	OL5	OL3	OL4	SPARE
SIGNAL HEAD NO.	11,12	21,22	P21, P22	84	42,43	P41, P42	51	61,62	P61, P62	44	82,83	P81, P82	81	84	63	41	44	NU
RED		128			101			134			107			A124	A111		A101	
YELLOW		129		*	102			135		*	108							
GREEN		130			103			136			109							
RED ARROW	125						131						A121			A114		
YELLOW ARROW	126						132						A122	A125	A112	A115	A102	
FLASHING YELLOW ARROW													A123	A126	A113	A116	A103	
GREEN ARROW	127			118			133			124								
Hand icon			113			104			119			110						
Walking person icon			115			106			121			112						

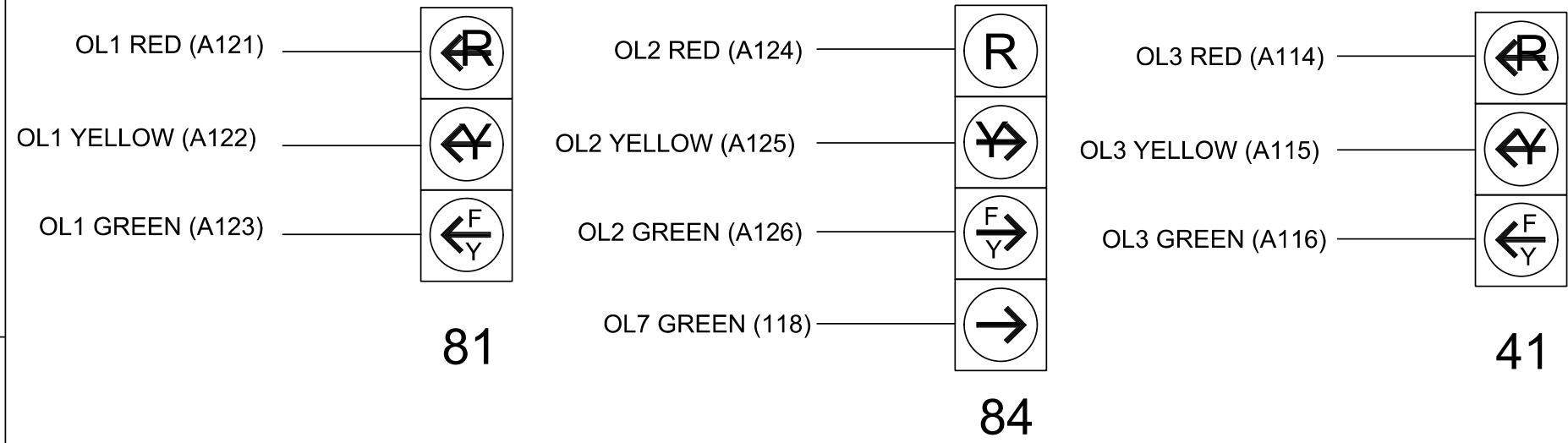
NU = Not Used

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

*See pictorial of head wiring in detail this sheet.

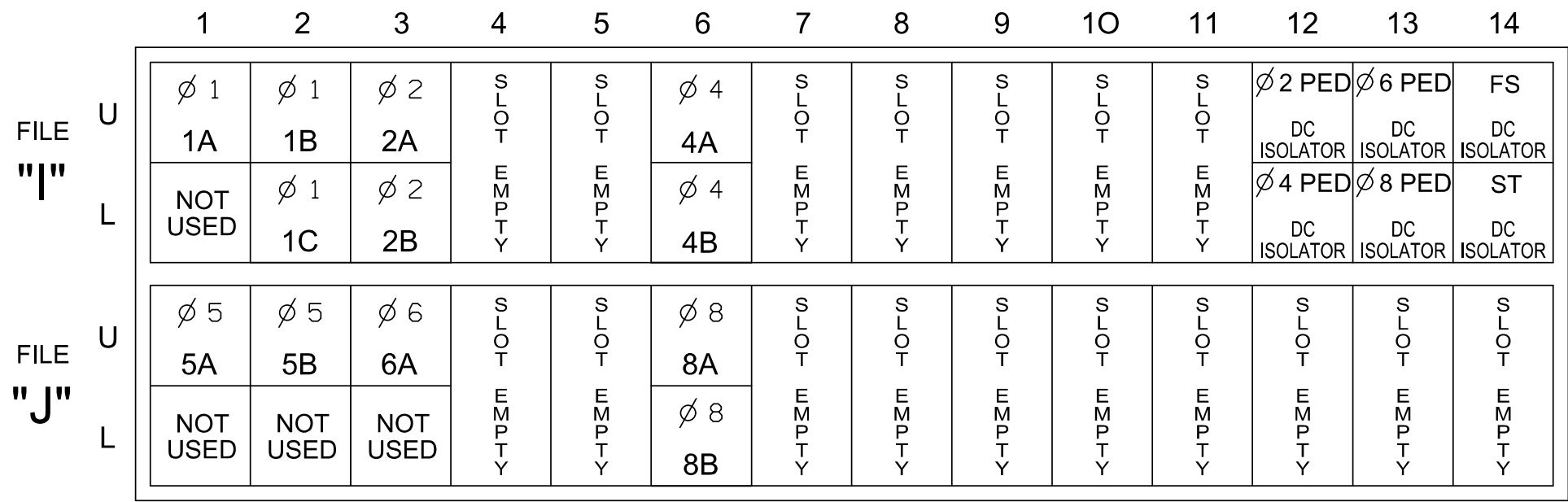
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

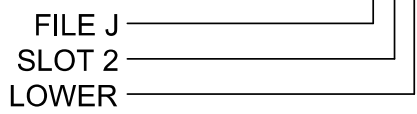


INPUT FILE CONNECTION & PROGRAMMING CHART

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					X	
1B	TB2-5,6	I2U	39	1	2	1					X	
1C	TB2-7,8	I2L	43	5	3	1	15.0				X	
2A	TB2-9,10	I3U	63	29	4	2					X	
2B	TB2-11,12	I3L	76	42	5	2					X	
4A	TB4-9,10	I6U	41	3	8	4					X	
4B	TB4-11,12	I6L	45	7	9	4					X	
5A	TB3-1,2	J1U	55	17	15	5					X	
5B	TB3-5,6	J2U	40	2	16	5	15.0				X	
6A	TB3-9,10	J3U	64	30	18	6					X	
8A	TB5-9,10	J6U	42	4	22	8					X	
8B	TB5-11,12	J6L	46	8	23	8					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						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						
P81,P82	TB8-8,9	I13L	70	36	8	PED 8						

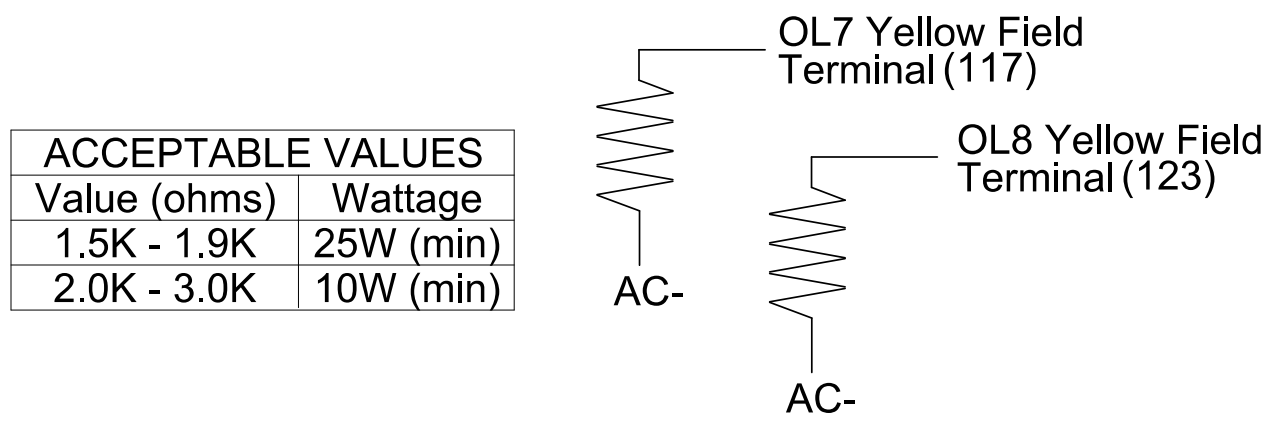
NOTE:
INSTALL DC ISOLATORS
IN INPUT FILE SLOTS
112 AND 113.

INPUT FILE POSITION LEGEND: J2L



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



Electrical Detail Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		SR 2700 (Chatham Park Way) at South Village Parkway		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared for the Offices of: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION Signal Management Section		Division 8 Chatham County Pittsboro PLAN DATE: October 2024 REVIEWED BY: KP Baumann PREPARED BY: SP Pennington REVIEWED BY:		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 044434 KEVIN P. BAUMANN DocuSigned by: S0C709A88BCB447 3/4/2025 DATE SIC. INVENTORY NO. 08-0525	
750 N.Greenfield Pkwy, Garner, NC 27529 (919) 677-2000		REVISIONS		INIT. DATE	

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