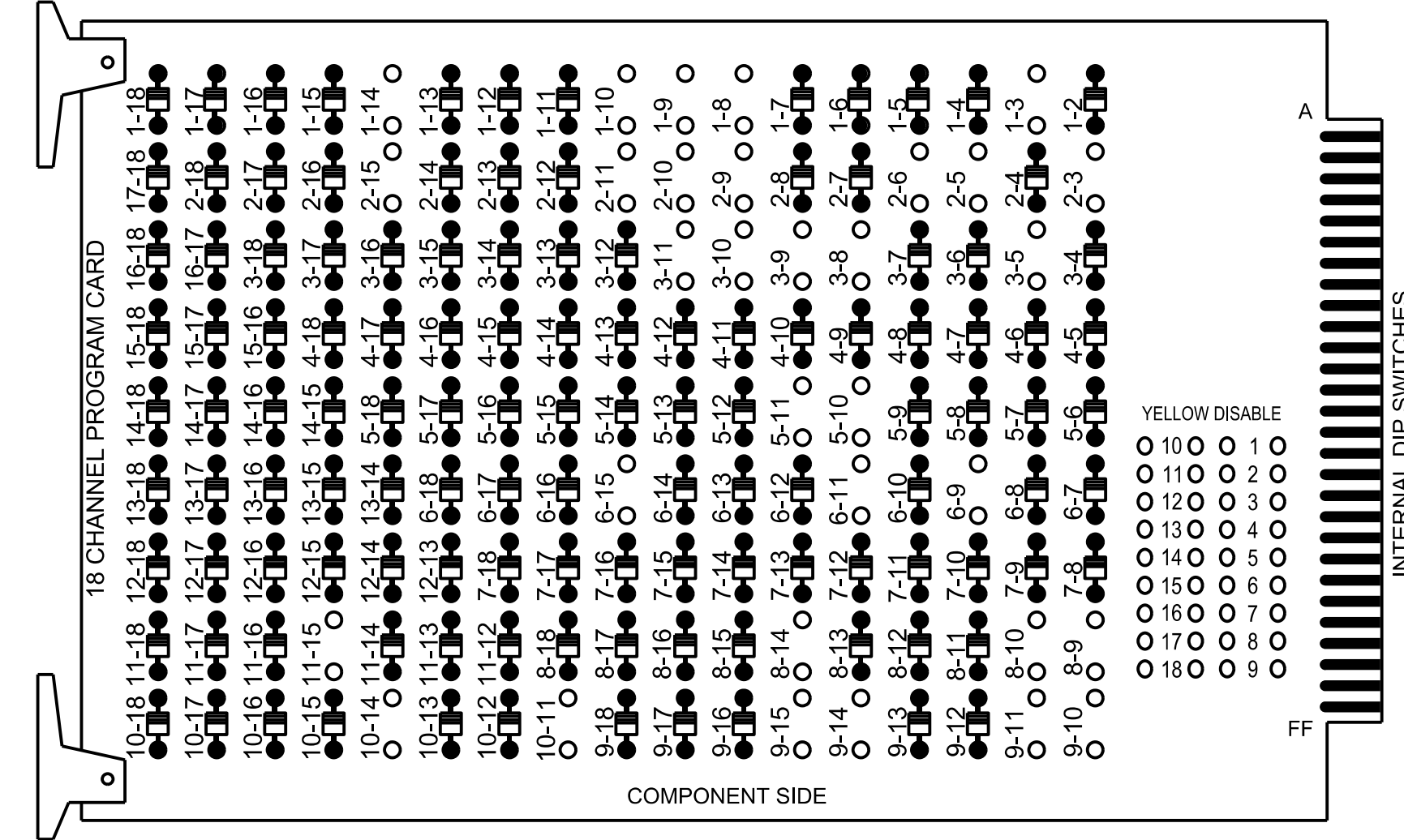


18 CHANNEL IP CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

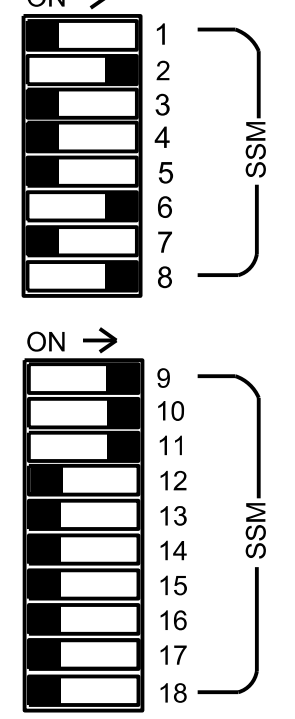
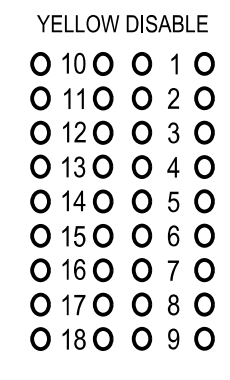
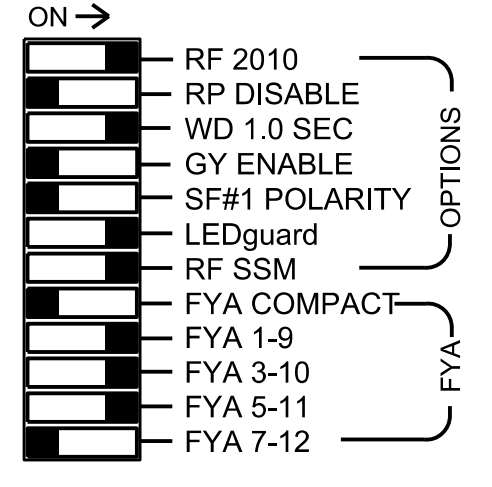
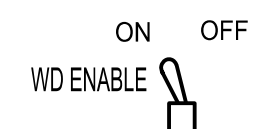
REMOVE DIODE JUMPERS 1-3, 1-8, 1-9, 1-10, 1-14, 2-3, 2-5, 2-6, 2-9, 2-10, 2-11, 2-15, 3-5, 3-8, 3-9, 3-10, 3-11, 5-10, 5-11, 6-9, 6-11, 6-15, 8-9, 8-10, 8-14, 9-10, 9-11, 9-14, 9-15, 10-11, 10-14 and 11-15.



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, S4, S6, S7, S8, S9, S11, AUX S1, AUX S2, AUX S4
 Phases Used.....2, 3, 4, 4PED, 5, 6, 6PED,
 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

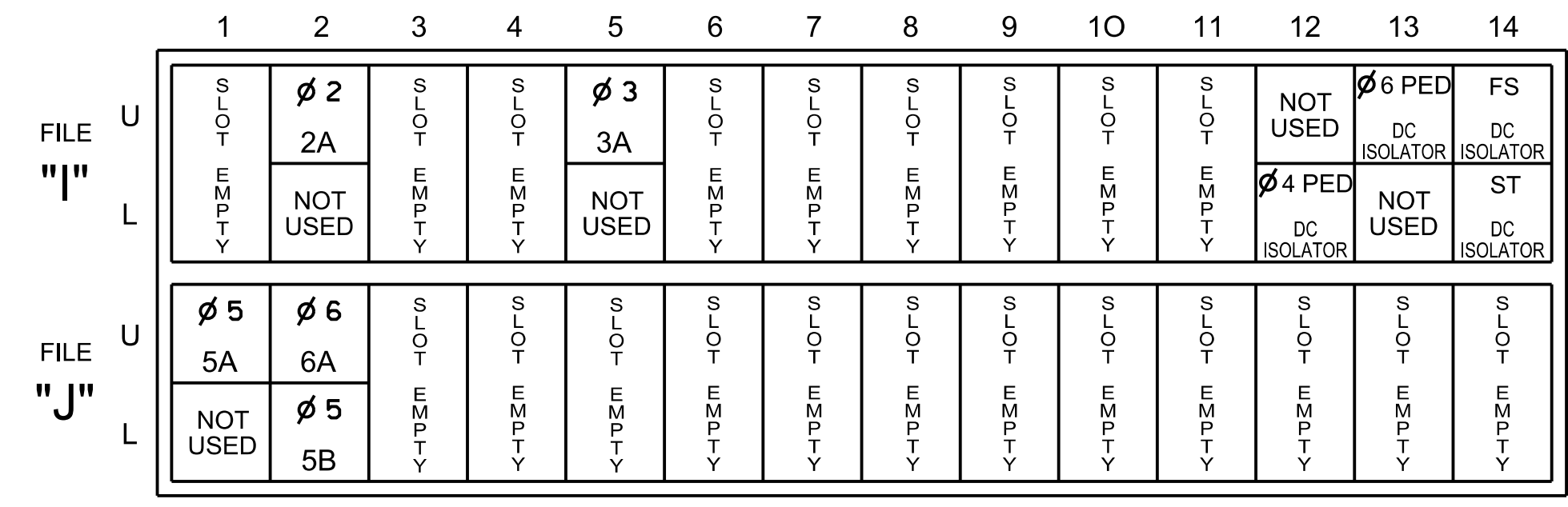
SIGNAL HEAD HOOK-UP CHART

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	OL7	2	2 PED	OL8	4	4 PED	5	6	6 PED	7	OL9	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	63	21,22,23	NU	32,33	NC	P41, P42	51	61,62	P61, P62	NU	31	34	NU	63	32,33	NU	51	NU
RED		128						134			107		A121	A124				
YELLOW	*	129		*			*	135			108							
GREEN		130						136			109							
RED ARROW										107								A114
YELLOW ARROW										108			A122	A125				A115
FLASHING YELLOW ARROW													A123	A126				A116
GREEN ARROW	127			118			133			109								
Hand							104			119								
Walking							106			121								

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

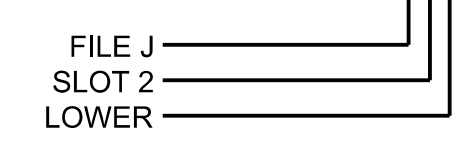
FS = FLASH SENSE
 ST = STOP TIME

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
2A	TB2-5,6	I2U	39	1	2	2				X	X	
3A	TB4-5,6	I6U	58	20	7	3	3.0		X		X	
5A	TB3-1,2	J1U	55	17	15	5	15.0		X		X	
				-	31	2	3.0		X	X		
5B	TB3-7,8	J2L	44	6	17	5	15.0		X		X	
6A	TB3-5,6	J2U	40	2	16	6			X	X	X	
PED PUSH BUTTONS												
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						

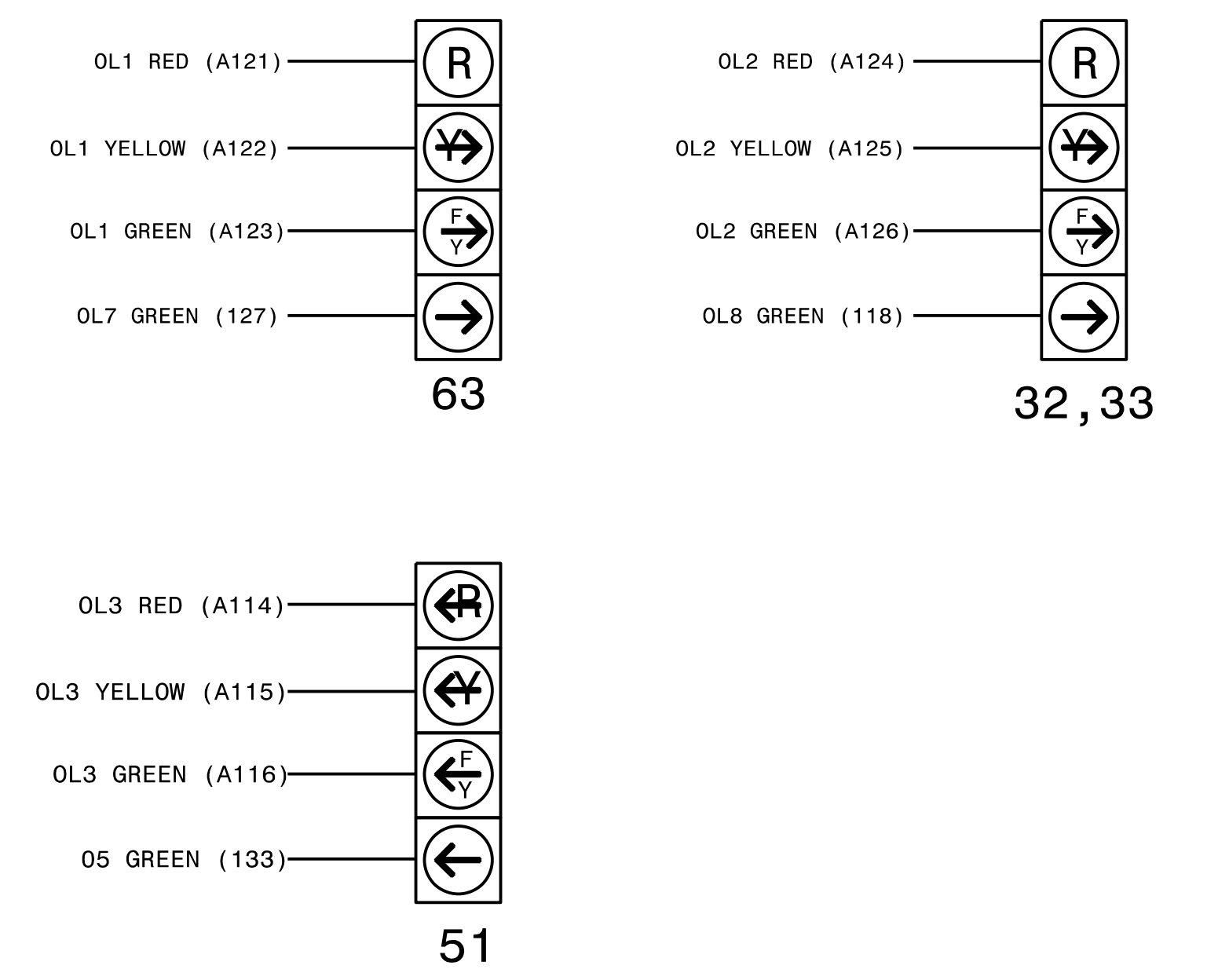
NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 & I13.

INPUT FILE POSITION LEGEND: J2L



FYA SIGNAL WIRING DETAIL

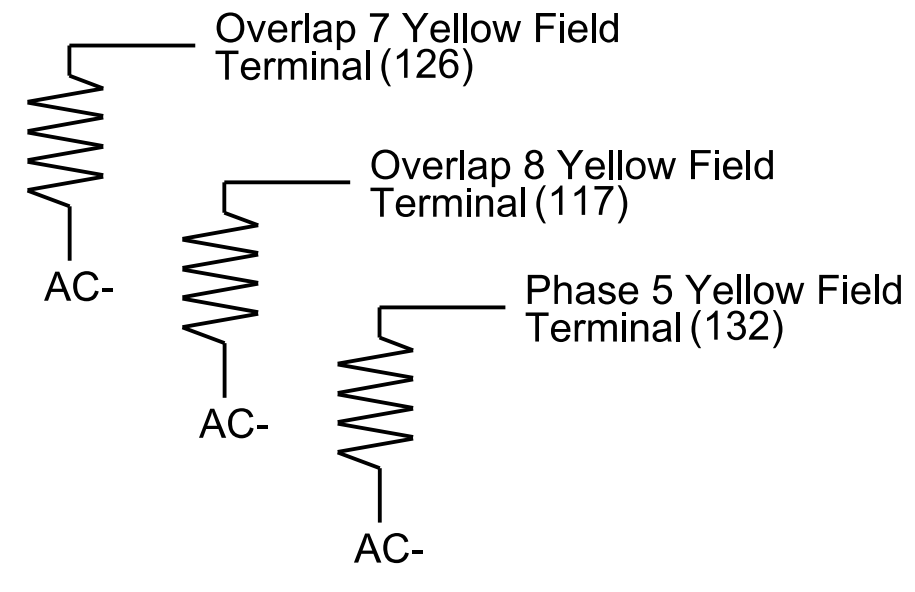
(wire signal heads as shown)



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: 08-0662
 DESIGNED: February 2026
 SEALED: March 11, 2026
 REVISED: N/A

Electrical Detail - Sheet 1 of 2

NC 42 (E. Salisbury St)
 at
 SR 2237 (E. Salisbury St)

Division 8 Randolph County Asheboro

PLAN DATE: February 2026 REVIEWED BY: LD STOUCJKO

PREPARED BY: S O'Farrell REVIEWED BY:

REVISIONS	INT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LD Stouchko
 11-Mar-2026

SIGNATURE DATE

SIG. INVENTORY NO. 08-0662