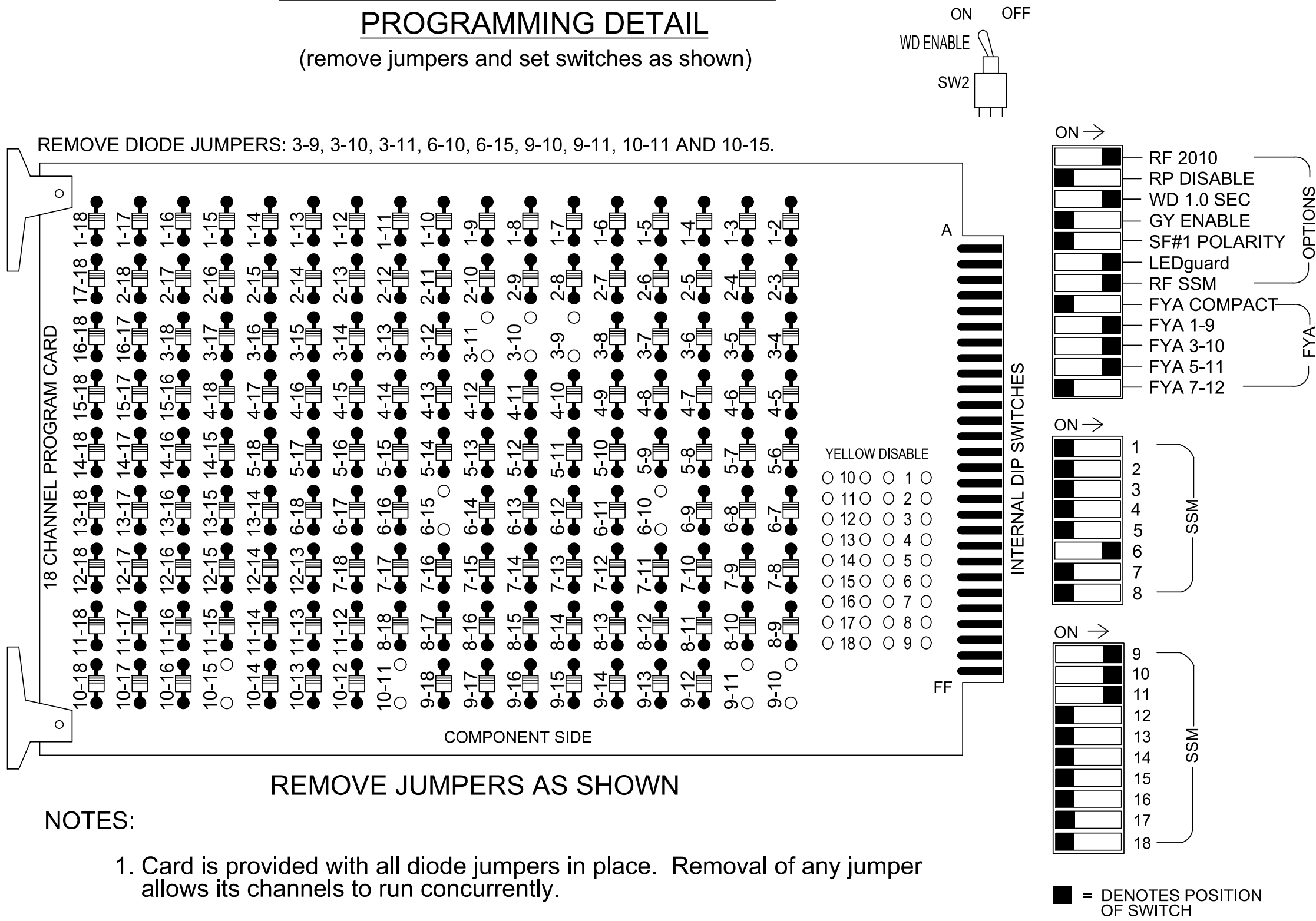


2/21/2025
A:\P\016c1a#4018560#4018560_0001#50_Deiverdables & Submit11018#U-5797#T#Offic#Signal s#06-0537 (Foyett+av)11e-L-Linkhaw#G0537T3_sml.ele.2024xxxx.dgn
LeonAR

18 CHANNEL CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)



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 controller to start up in phase 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 Signal System #D06-17 Lumberton US 301 and SR 1997 (Fayetteville Road).

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.....S4, S8, S9, AUX S1, AUX S2, AUX S4
Phases Used.....3, 6, 6PED
Overlap "1".....*
Overlap "2".....*
Overlap "3".....*
Overlap "4".....NOT USED
Overlap "7".....*

*See overlap programming detail on sheet 2

PROJECT REFERENCE NO.	SHEET NO.
U-5797	Fig. 24.1

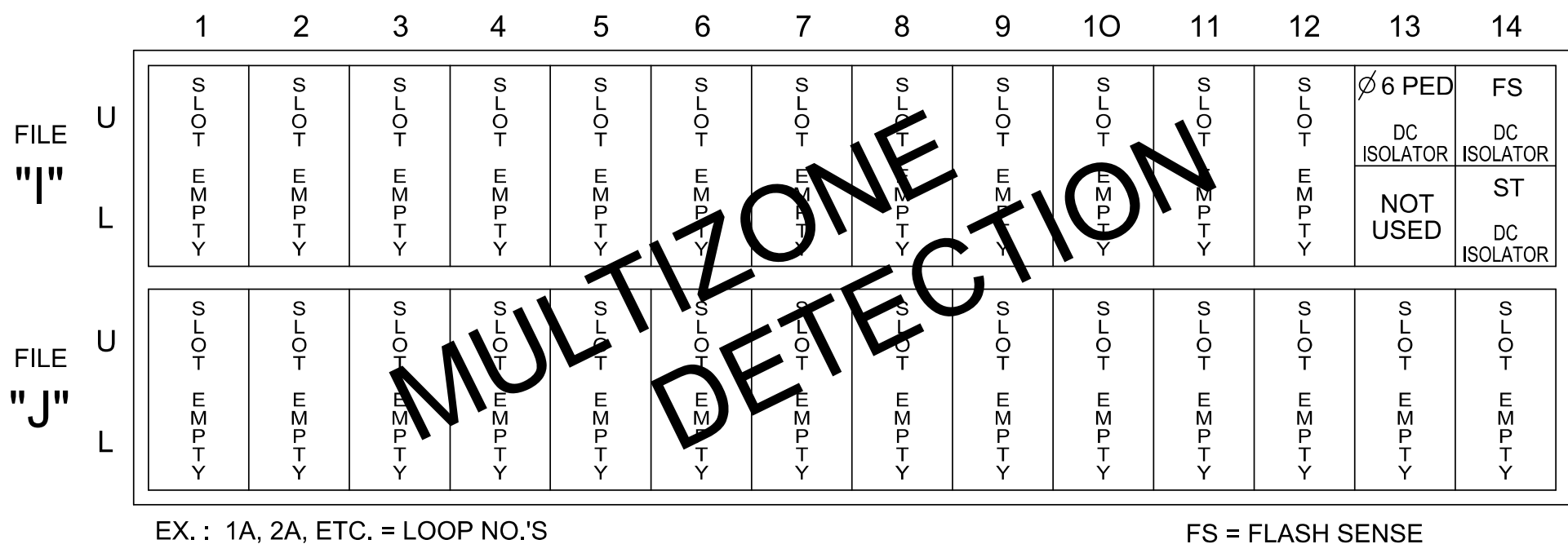
SIGNAL HEAD HOOK-UP CHART

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.	NU	NU	NU	63	NU	NU	NU	61,62	P61 P62	NU	NU	NU	33	63	NU	34	NU	NU
RED								134					A121	A124		A114		
YELLOW				*				135										
GREEN								136										
RED ARROW																		
YELLOW ARROW													A122	A125		A115		
FLASHING YELLOW ARROW													A123	A126		A116		
GREEN ARROW				118														
Hand										119								
Walking										121								

NU = Not Used

- * Denotes install load resistor. See load resistor installation detail this sheet.
- * See pictorial of head wiring in detail this sheet.

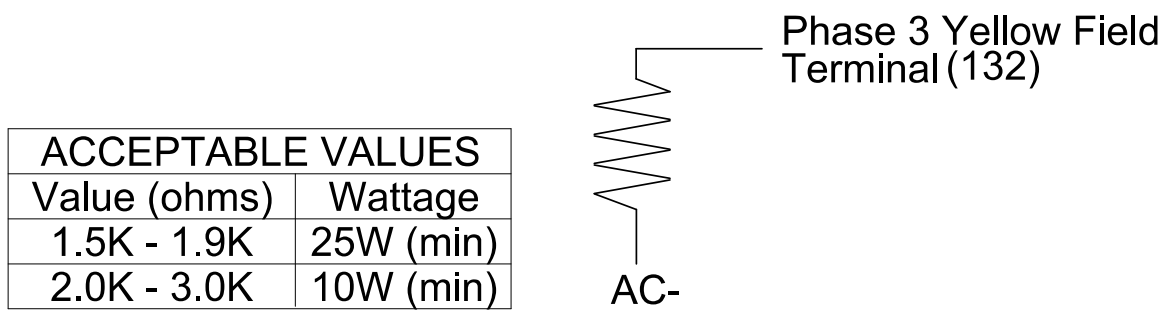
INPUT FILE POSITION LAYOUT
(front view)



SPECIAL DETECTOR NOTE

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

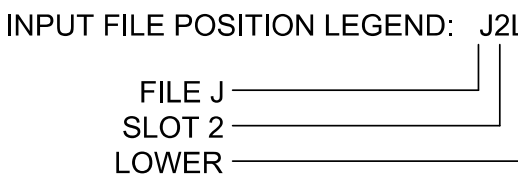
LOAD RESISTOR INSTALLATION DETAIL
(install resistors as shown)



INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE
PED PUSH BUTTONS						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6

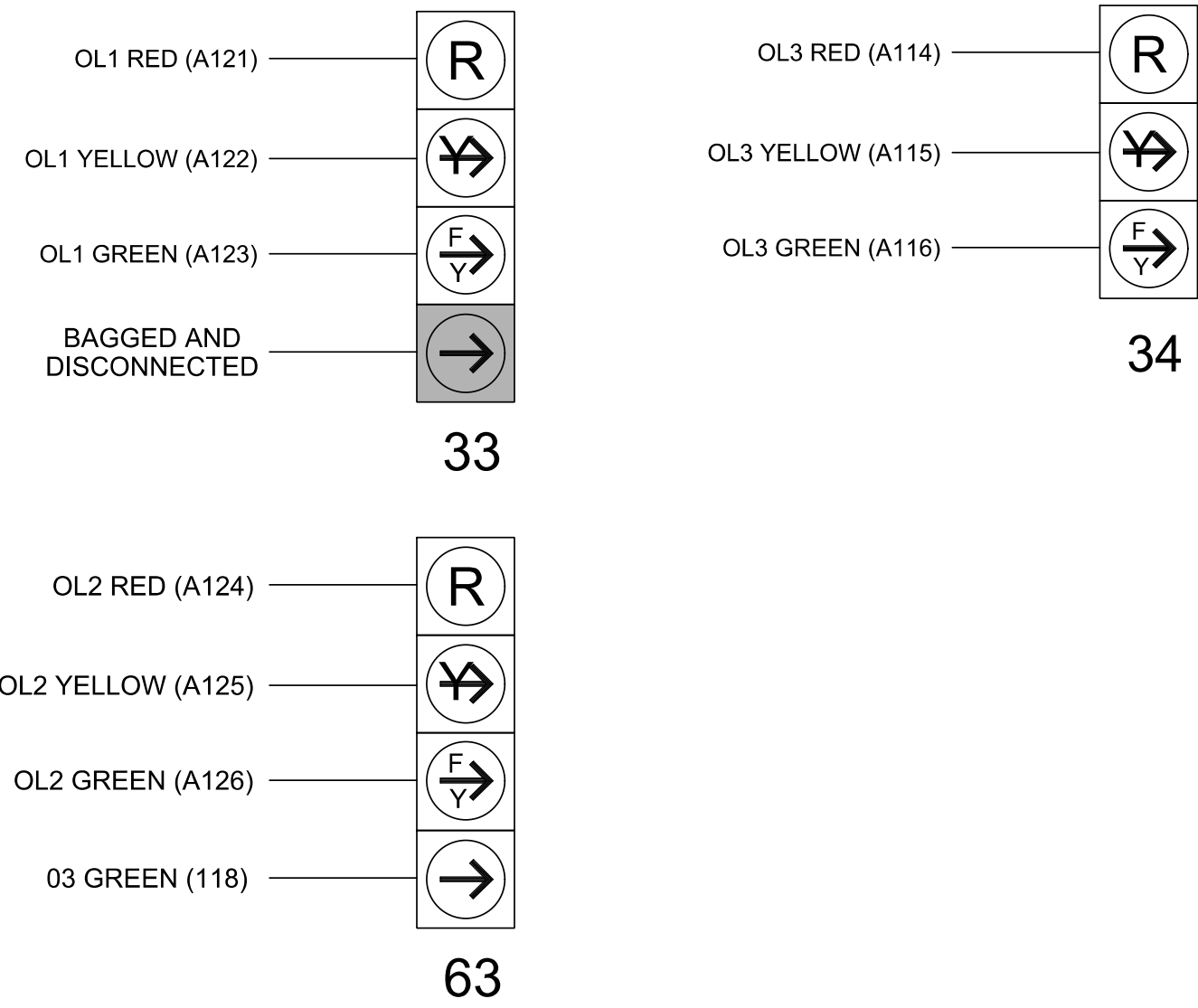
NOTE:
INSTALL DC ISOLATOR
IN INPUT FILE SLOT I13.



THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0537T3
DESIGNED: Feb 2025
SEALED: 3/19/2025
REVISED:

stv
STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
(704) 372-1885
NC License Number F-0991

FYA SIGNAL WIRING DETAIL
(wire signal heads as shown)

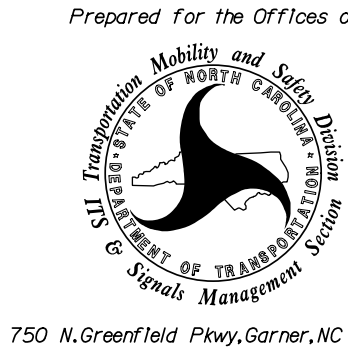


Temporary Design 3 - TMP Phase III, Step 1
Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

SR 1997 (Fayetteville Road)
at
SR 1984 (Linkhaw Road)



Division 6 Robeson County Lumberton

PLAN DATE: Feb 2025 REVIEWED BY: H.M. Surti

PREPARED BY: R.L. Aristondo REVIEWED BY: T.M. Woody

REVISIONS INIT. DATE

SIGNATURE DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
040329
T.M. WOODY
3/19/2025
SIC. INVENTORY NO. 06-0537T3