

OVERLAP PROGRAMMING DETAIL

(program controller as shown below)

- From Main Menu select **4-UNIT DATA**
- From UNIT DATA Submenu select **3-OVERLAP DATA**

Use Up/Dn/Left/Right keys to position cursor on the desired Overlap. Use the NEXT key to select the overlap type. Press the ENT key and then program as per the Overlap screen(s) shown.

```
OVERLAP DATA
A: FYA   E: ---   I: ---   M: ---
B: ---   F: ---   J: ---   N: ---
C: ---   G: STD   K: ---   O: ---
D: STD   H: ---   L: ---   P: ---
PREV/NEXT TO CYCLE
```

OVERLAP A

Use Up/Dn/Left/Right keys to position cursor on Overlap 'A', use the NEXT key to select 'FYA', then press ENT

```
FYA OVERLAP - A          MIN PERM: 1
PHASES .12345678 90123456
PROT PHASES: 00010000 00000000 DELAY/10
PERM PHASES: 00000100 00000000 FYA: 0
-PED PHASES: 00000000 00000000 -PED: 30
OVERLAPS .ABCDEFGHIJ KLMNOP
PROT O-LAPS: x0000000 00000000
PERM O-LAPS: x0000000 00000000
```

NOTICE FYA DELAY/10 = 0

OVERLAP D

Use Up/Dn/Left/Right keys to position cursor on Overlap 'D', use the NEXT key to select 'STD', then press ENT

```
OVERLAP - D          12345678 90123456
PARENTS: 00010000 00000000
+GRN PHASES: 00000000 00000000
-G/Y PHASES: 00000000 00000000
-PED PHASES: 00000000 00000000
TRAIL GREEN STANDARD: 0 YEL/10: 40
TRAIL GREEN PREEMPT: 0 RED/10: 20
```

OVERLAP G

Use Up/Dn/Left/Right keys to position cursor on Overlap 'G', use the NEXT key to select 'STD', then press ENT

```
OVERLAP - G          12345678 90123456
PARENTS: 00010000 00000000
+GRN PHASES: 00000000 00000000
-G/Y PHASES: 00000000 00000000
-PED PHASES: 00000000 00000000
TRAIL GREEN STANDARD: 0 YEL/10: 40
TRAIL GREEN PREEMPT: 0 RED/10: 20
```

OVERLAP PROGRAMMING COMPLETE

LOAD SWITCH MAPPING DETAIL

(program controller as shown below)

- From Main Menu select **4-UNIT DATA**
- From UNIT DATA Submenu select **9-OUTPUT MAPPING**

Use arrow keys to place cursor on 'LDSW 1' then NEXT key to select 'OLG'

```
OUTPUT MAPPING          EDIT MODE: LDSW
                        E-TOGGLE MODE
LDSW ..1.. ..2.. ..3.. ..4.. ..5.. ..6..
RED  OLG PH2 PD2 PH3 PH4 PD4
YEL  -   -   -   -   -   -
GRN  -   -   -   -   -   -
FIO  1   2   3   4   5   6
PREV/NEXT TO CYCLE      D-DISPLAY COMPAT
```

LOAD SWITCH MAPPING COMPLETE

REMOTE FLASH PROGRAMMING DETAIL

(program controller as shown below)

- From Main Menu select **4-UNIT DATA**
- From UNIT DATA Submenu select **2-FLASH**
- From FLASH Submenu select **1-REMOTE FLASH SETTINGS**

```
REMOTE FLASH SETTINGS  TEST-A FLASH: 0
LDSW:123456789 0123456789 0123456789 012
FLSH:110010010 0001000100 0000000000 000
ALT:010010000 0000000100 0000000000 000
0-DARK 1-RED 2-YELLOW 3-STEADY YELLOW
```

PRESS 'F' TO RETURN TO FLASH

- From REMOTE FLASH Submenu select **2-REMOTE FLASH ENTRY/EXIT PHASES**

```
REMOTE FLASH ENTRY/EXIT PHASES
PHASES: 12345678 90123456
ENTRY: 01000100 00000000
EXIT: 01000100 00000000
```

REMOTE FLASH PROGRAMMING COMPLETE

ALL RED FLASH STARTUP PROGRAMMING DETAIL

(program controller as shown below)

- From Main Menu select **4-UNIT DATA**
- From UNIT DATA Submenu select **1-STARTUP & MISC**

```
STARTUP & MISC
STARTUP TIME.: 6 (SEC) STATE: 2 (0-FL
RED REV/10...: 40 (TSEC) 1-RED
AUTO PED CLR.: 0 (0-NO 1-YES) 2-RAF)
STOP T RESET.: 0 (0-NO 1-YES)
SEQUENCE.....: 1 (1-19)
SPECIAL SEQ : 0 (SEE HELP)
```

STARTUP PROGRAMMING COMPLETE

INIT & N.A. RESP PROGRAMMING DETAIL

(program controller as shown below)

- From Main Menu select **3-PHASE DATA**
- From PHASE DATA Submenu select **4-INIT & N.A. RESP+**

```
PHASE.....1...2...3...4...5...6...7...8
INITIAL  0  4  0  1  0  6  0  0
NA RESP  0  1  0  2  0  1  0  0
UPDT GRN 0  0  0  0  0  0  0  0
CODES...0...1...2...3...4...5...6
INIL  NONE INACT RED YEL GRN DRK G/DW
NA RSP NONE NA1 NA2 1&2 --- ---
***
```

Notice phases 1,3,5,7 & 8 not used!

INIT & N.A. RESP PROGRAMMING COMPLETE

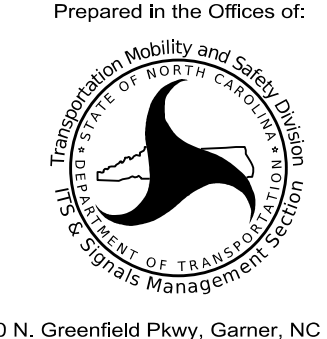
THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0309
DESIGNED: January 2026
SEALED: 04/13/2026
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Electrical Detail - Sheet 2 of 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Electrical and Programming Details For:

Prepared in the Offices of:



750 N. Greenfield Pkwy, Garner, NC 27529

I-40 EB Ramp at SR 1007 (Lenoir Rhyne Blvd. SE)

Division 12 Catawba County Hickory

PLAN DATE: April 2026 REVIEWED BY:

PREPARED BY: Tim Langston REVIEWED BY:

REVISIONS	INIT.	DATE

DocuSigned by: *D. Todd Joye* 04/14/2026

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 031001 D. TODD JOYE

SIG. INVENTORY NO. 12-0309