PROJECT REFERENCE NO.	SHEET NO.
U-5789	Sig-1.6

OVERLAP PROGRAMMING DETAIL
(FOR DEFAULT PHASING)

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN
'1' (VEHICLE OVERLAP SETTINGS).

```
PAGE 1: VEHICLE OVERLAP 'A' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS::XX
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  X GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

← NOTICE GREEN FLASH

```
PAGE 1: VEHICLE OVERLAP 'B' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS::      X
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  X GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

← NOTICE GREEN FLASH

```
PAGE 1: VEHICLE OVERLAP 'C' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS::      XX
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  X GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

← NOTICE GREEN FLASH

```
PAGE 1: VEHICLE OVERLAP 'D' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS:: X X
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  X GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

← NOTICE GREEN FLASH

OVERLAP PROGRAMMING COMPLETE

OVERLAP PROGRAMMING DETAIL
(FOR ALTERNATE PHASING)

(program controller as shown below)

FROM MAIN MENU PRESS '8' (OVERLAPS), THEN
'1' (VEHICLE OVERLAP SETTINGS).

PRESS 'NEXT' TO ADVANCE TO PAGE 2

NOTICE PAGE 2 →
```
PAGE 2: VEHICLE OVERLAP 'A' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS::X
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  X GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

← NOTICE GREEN FLASH

NOTICE PAGE 2 →
```
PAGE 2: VEHICLE OVERLAP 'B' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS::      X
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  _ GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

NOTICE PAGE 2 →
```
PAGE 2: VEHICLE OVERLAP 'C' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS::      X
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  _ GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

NOTICE PAGE 2 →
```
PAGE 2: VEHICLE OVERLAP 'D' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS:: X X
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  _ GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
PRESS '+'

← NOTICE GREEN FLASH

NOTICE PAGE 2 →
```
PAGE 2: VEHICLE OVERLAP 'E' SETTINGS
 PHASE:        :1234567891011213141516
VEH OVL PARENTS:: X X
VEH OVL NOT VEH::
VEH OVL NOT PED::
VEH OVL GRN EXT::
STARTUP COLOR: _ RED  _ YELLOW  _ GREEN
FLASH COLORS: _ RED  _ YELLOW  X GREEN
SELECT VEHICLE OVERLAP OPTIONS:    (Y/N)
FLASH YELLOW IN CONTROLLER FLASH?...N
GREEN EXTENSION (0-255 SEC)........0
YELLOW CLEAR (0=PARENT.3-25.5 SEC)..0.0
RED CLEAR (0=PARENT.0.1-25.5 SEC)...0.0
OUTPUT AS PHASE # (0=NONE, 1-16)....0
```
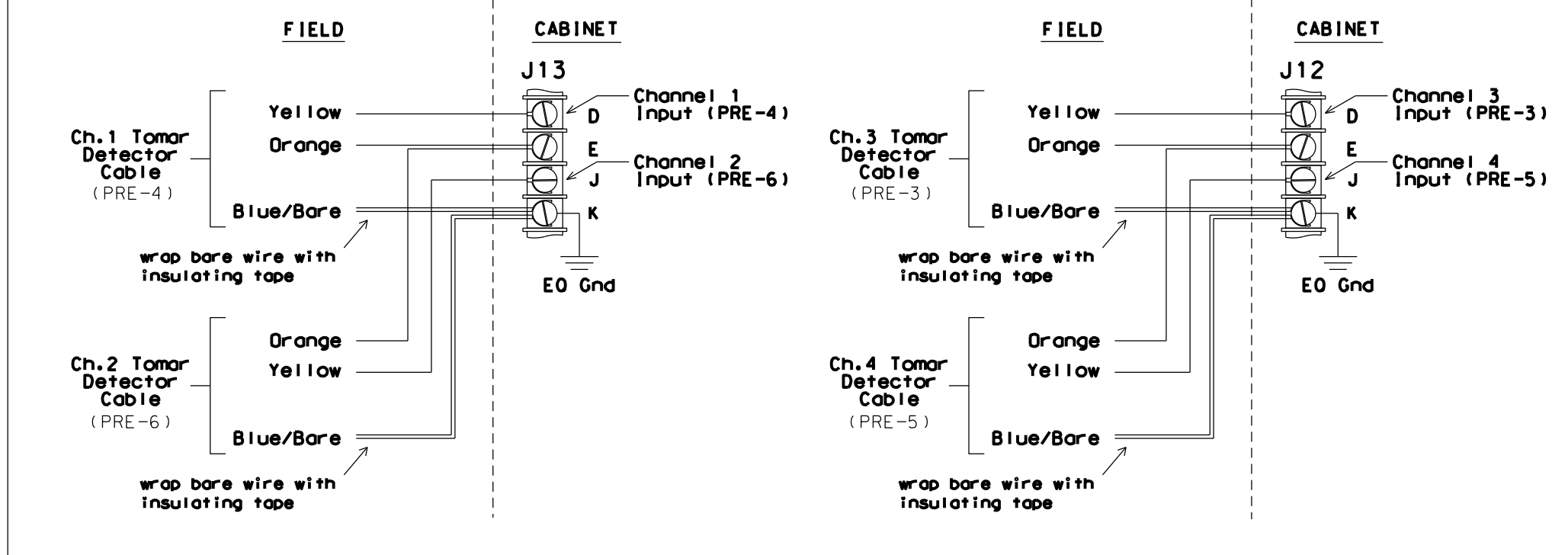PRESS '+'

← NOTICE GREEN FLASH

OVERLAP PROGRAMMING COMPLETE

TYPICAL TOMAR FIELD WIRE DETAIL
(input file, rear view)

FIELD — CABINET J13
Ch.1 Tomar Detector Cable (PRE-4): Yellow
Ch.2 Tomar Detector Cable (PRE-6): Orange, Blue/Bare
D — Channel 1 Input (PRE-4)
E — Channel 2 Input (PRE-6)
J
K
EQ Gnd
wrap bare wire with insulating tape

FIELD — CABINET J12
Ch.3 Tomar Detector Cable (PRE-3): Yellow, Orange, Blue/Bare
Ch.4 Tomar Detector Cable (PRE-5): Orange, Yellow, Blue/Bare
D — Channel 3 Input (PRE-3)
E — Channel 4 Input (PRE-5)
J
K
EQ Gnd
wrap bare wire with insulating tape

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-0822T
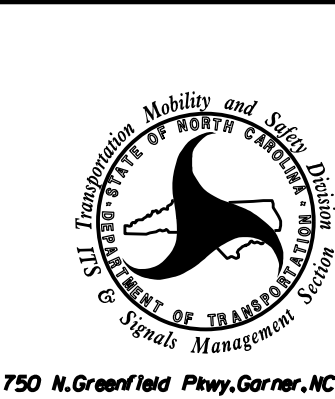DESIGNED: May 2025
SEALED: 07/07/2025
REVISED: N/A

Project #: 230907

DAVENPORT
HOME OFFICE:
119 BROOKSTOWN AVENUE, SUITE PH1
WINSTON-SALEM, NC 27101
336.744.1636 www.davenportworld.com
NCBELS FIRM LICENSE NO. C-2522

Temporary Design;(TMP 4-5,10-11,16,19-20,25-26,31-32)
Electrical Detail - Sheet 5 of 6

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

NC 53 (Western Boulevard)
at
SR 2714 (Jacksonville Parkway)/
Gateway North

Division 3	Onslow County	Jacksonville
PLAN DATE: May 2025	REVIEWED BY: L. Boyer	
PREPARED BY: J Dollarhite	RKA PROJ. NO.:	

750 N.Greenfield Pkwy,Garner,NC 27529

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
030912
Lori M. Boyer

Signed by:
Lori M. Boyer 07/07/2025
SIGNATURE   DATE
SIG. INVENTORY NO. 03-0822T

REVISIONS	INIT.	DATE