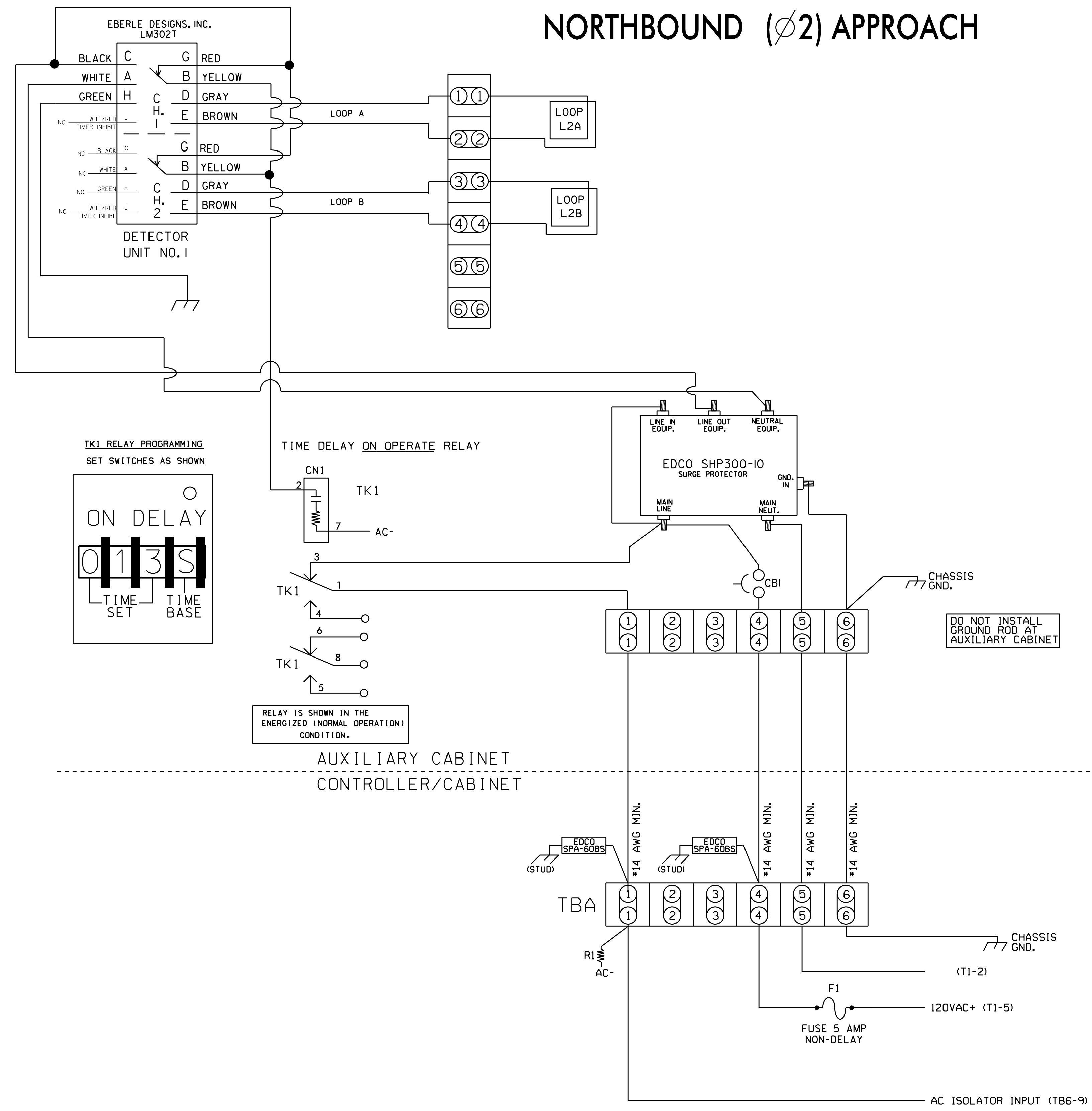


LONG VEHICLE DETECTION SYSTEM (wire as shown)

SYSTEM 1

NORTHBOUND (Ø2) APPROACH



NOTES

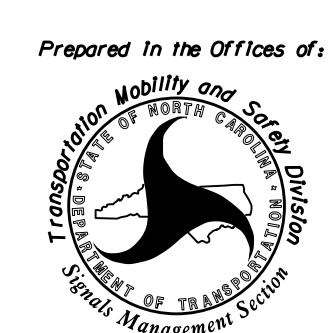
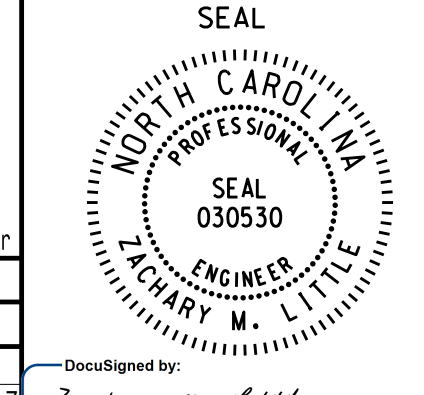
1. ALL LOOP LEAD-INS SHALL BE TWISTED.
 2. LOOP SPACING IS CRITICAL TO THE PROPER OPERATION OF THIS LONG VEHICLE DETECTION SYSTEM. CONSULT SIGNAL DESIGN PLANS FOR LOOP SPACING.
 3. LONG VEHICLE SYSTEM SHALL BE HOUSED IN AN AUXILIARY CABINET ADJACENT TO LONG VEHICLE DETECTION LOOPS.
 4. DETECTOR UNIT IS A NEMA TS1 STANDARD 2 CHANNEL INDUCTIVE LOOP DETECTOR UNIT. DOT MATERIAL NO. 617031530.
 5. TERMINAL STRIPS TO BE ADDED BY INSTALLER.
 6. RESISTOR IS A 2K OHM, 12 WATT. DOT MATERIAL NO. 625011550
 7. EDCO SPA-60BS IS A SURGE PROTECTOR FOR 120VAC INTERCONNECT CIRCUITS. DOT MATERIAL NO. 625022076.
 8. RELAY TK1 IS AN ON DELAY. TIME DELAY RELAY WITH DIGITAL TIMING ADJUSTMENT, 120VAC COIL, 10 AMP CONTACTS. POTTER AND BRUMFIELD PART NO. CN1.
 9. EDCO SHP300-10 IS AN AC SERVICE SURGE PROTECTOR. DOT MATERIAL NO. 625022075.
 10. CBI IS A 15 AMP CIRCUIT BREAKER.
11. IMPORTANT! A JUMPER MUST BE INSTALLED BETWEEN INPUT FILE TERMINALS I9-E AND I9-K IF NOT ALREADY PRESENT.

12. IMPORTANT! FOR PROPER OPERATION OF THE LONG VEHICLE DETECTION UNIT, REMOVE SURGE PROTECTION FROM TERMINALS TB6-9, TB6-10, TB6-11 AND TB6-12. TIE TB6-12 TO AC NEUTRAL.

13. IMPORTANT! MAKE SURE AC ISOLATOR CARD INSERTED AT INPUT FILE POSITION I9 IS SET FOR INVERTED OPERATION.
14. SET DETECTORS TO "LONG PRESENCE" MODE.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0159
 DESIGNED: March 2017
 SEALED: 05-04-17
 REVISED: N/A

Electrical Detail Sheet 4 of 8

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared In the Offices of:  TRANSPORTATION MOBILITY AND SAFETY SOLUTIONS, INC. Signal Management Solutions 750 N. Greenfield Pkwy, Garner, NC 27529	US 421/NC 242 at US 13 Division 3 Sampson County Spivey's Corner PLAN DATE: January 2017 REVIEWED BY: PREPARED BY: B. Simmons REVIEWED BY: REVISIONS No change to electrical detail. (JJP)	SEAL  SEAL 030530 ENGINEER CARY M. LITTLE
750 N. Greenfield Pkwy, Garner, NC 27529		DATE: 3/12/2017 DATE: 1-31-17 DATE:
SIG. INVENTORY NO. 03-0159		DATE:

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