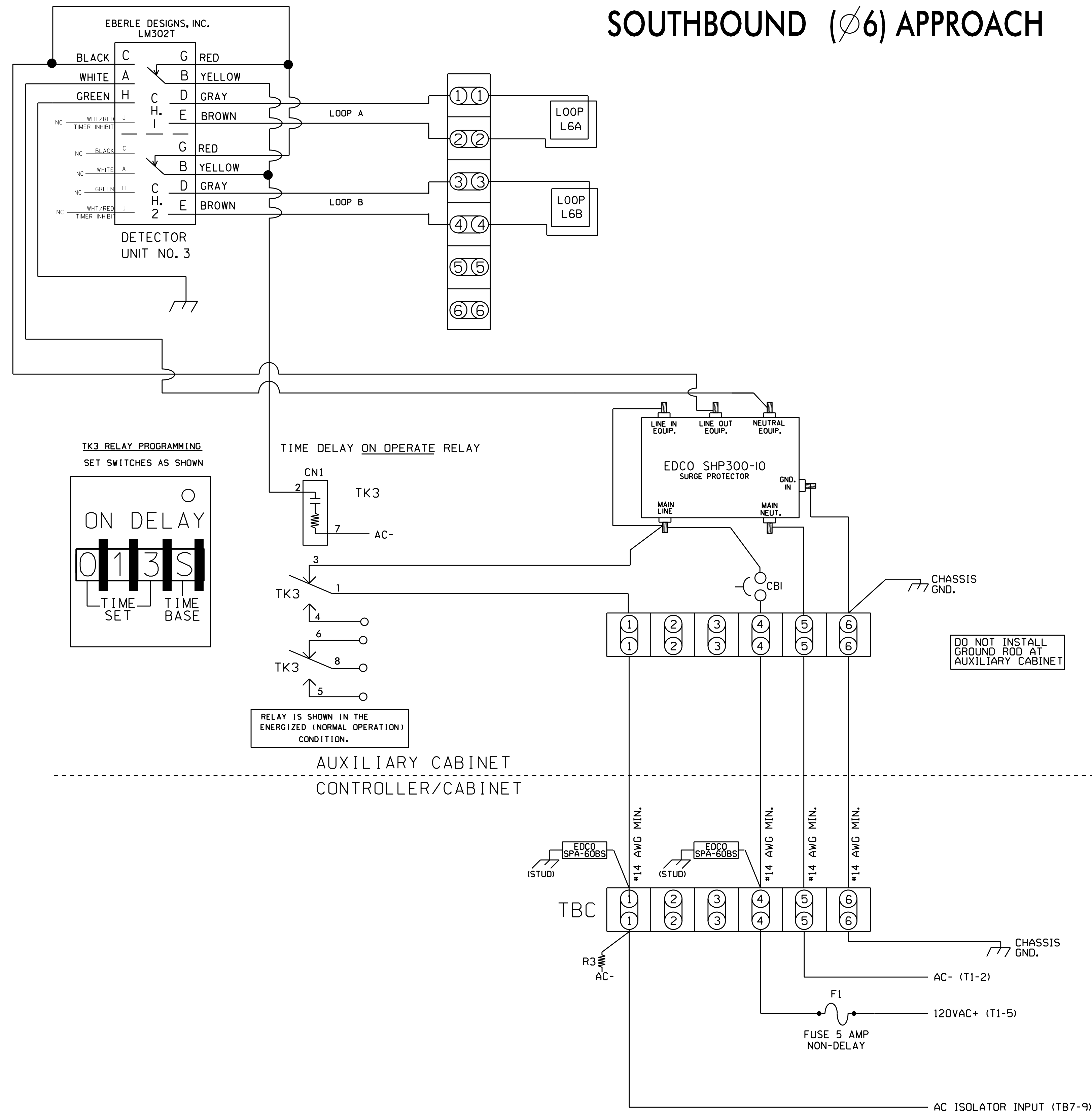


LONG VEHICLE DETECTION SYSTEM (wire as shown)

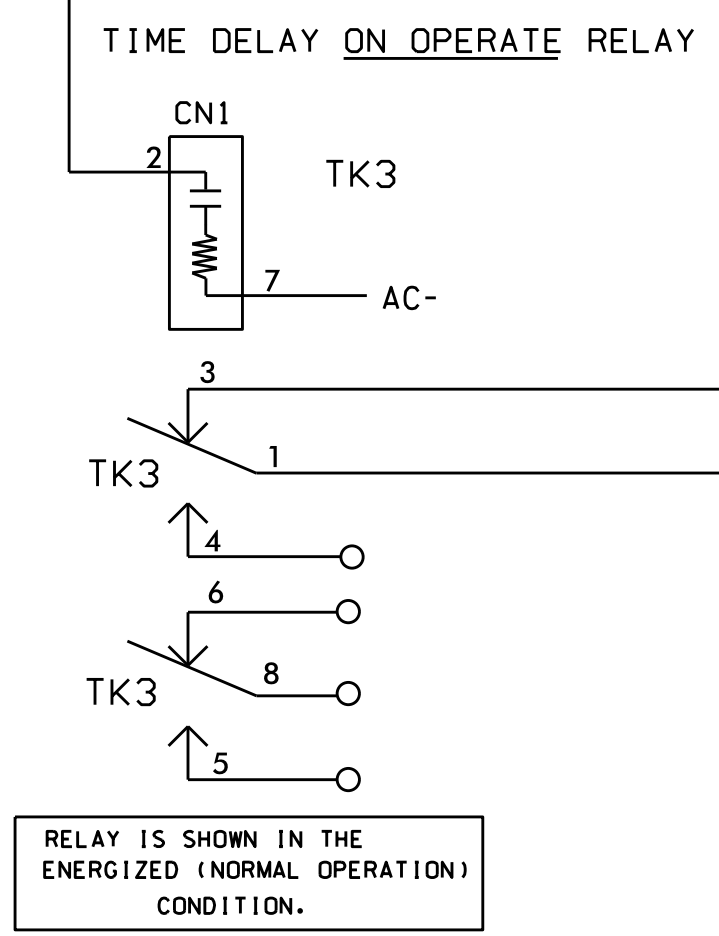
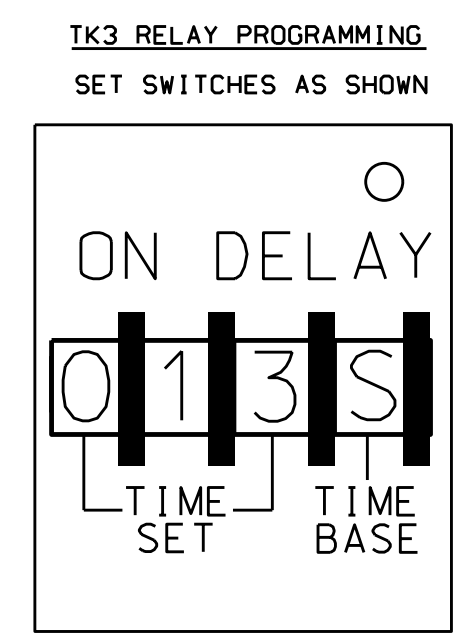
SYSTEM 3

SOUTHBOUND (Ø6) APPROACH



NOTES

- ALL LOOP LEAD-INS SHALL BE TWISTED.
- LOOP SPACING IS CRITICAL TO THE PROPER OPERATION OF THIS LONG VEHICLE DETECTION SYSTEM. CONSULT SIGNAL DESIGN PLANS FOR LOOP SPACING.
- LONG VEHICLE SYSTEM SHALL BE HOUSED IN AN AUXILIARY CABINET ADJACENT TO LONG VEHICLE DETECTION LOOPS.
- DETECTOR UNIT IS A NEMA TS1 STANDARD 2 CHANNEL INDUCTIVE LOOP DETECTOR UNIT. DOT MATERIAL NO. 617031530.
- TERMINAL STRIPS TO BE ADDED BY INSTALLER.
- RESISTOR IS A 2K OHM, 12 WATT. DOT MATERIAL NO. 625011550.
- EDCO SPA-60BS IS A SURGE PROTECTOR FOR 120VAC INTERCONNECT CIRCUITS. DOT MATERIAL NO. 625022076.
- RELAY TK3 IS AN ON DELAY, TIME DELAY RELAY WITH DIGITAL TIMING ADJUSTMENT, 120VAC COIL, 10 AMP CONTACTS. POTTER AND BRUMFIELD PART NO. CN1.
- EDCO SHP300-10 IS AN AC SERVICE SURGE PROTECTOR. DOT MATERIAL NO. 625022075.
- CB1 IS A 15 AMP CIRCUIT BREAKER.
- IMPORTANT! A JUMPER MUST BE INSTALLED BETWEEN INPUT FILE TERMINALS J9-E AND J9-K IF NOT ALREADY PRESENT.
- IMPORTANT! FOR PROPER OPERATION OF THE LONG VEHICLE DETECTION UNIT, REMOVE SURGE PROTECTION FROM TERMINALS TB7-9, TB7-10, TB7-11 AND TB7-12. TIE TB7-12 TO AC NEUTRAL.
- IMPORTANT! MAKE SURE AC ISOLATOR CARD INSERTED AT INPUT FILE POSITION J9 IS SET FOR INVERTED OPERATION.
- SET DETECTORS TO "LONG PRESENCE" MODE.



RELAY IS SHOWN IN THE ENERGIZED (NORMAL OPERATION) CONDITION.

DO NOT INSTALL GROUND ROD AT AUXILIARY CABINET

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

14-MAR-2017 13:29 S:\MITS\03\15\SIGNAL\work\hous\sig_mon\peter.som\030159_snc.ele_20170131.dgn T:pererson

Electrical Detail Sheet 6 of 8

ELECTRICAL AND PROGRAMMING DETAILS FOR: Prepared in the Offices of: TRANSPORTATION MOBILITY AND SAFETY SOLUTIONS, INC. 750 N. Greenfield Pkwy, Garner, NC 27529	US 421/NC 242 at US 13		SEAL SEAL 030530 ENGINEER CARY M. LITTLE
	Division 3 PLAN DATE: January 2017 PREPARED BY: B. Simmons	Sampson County Spivey's Corner REVIEWED BY:	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIG. INVENTORY NO. 03-0159