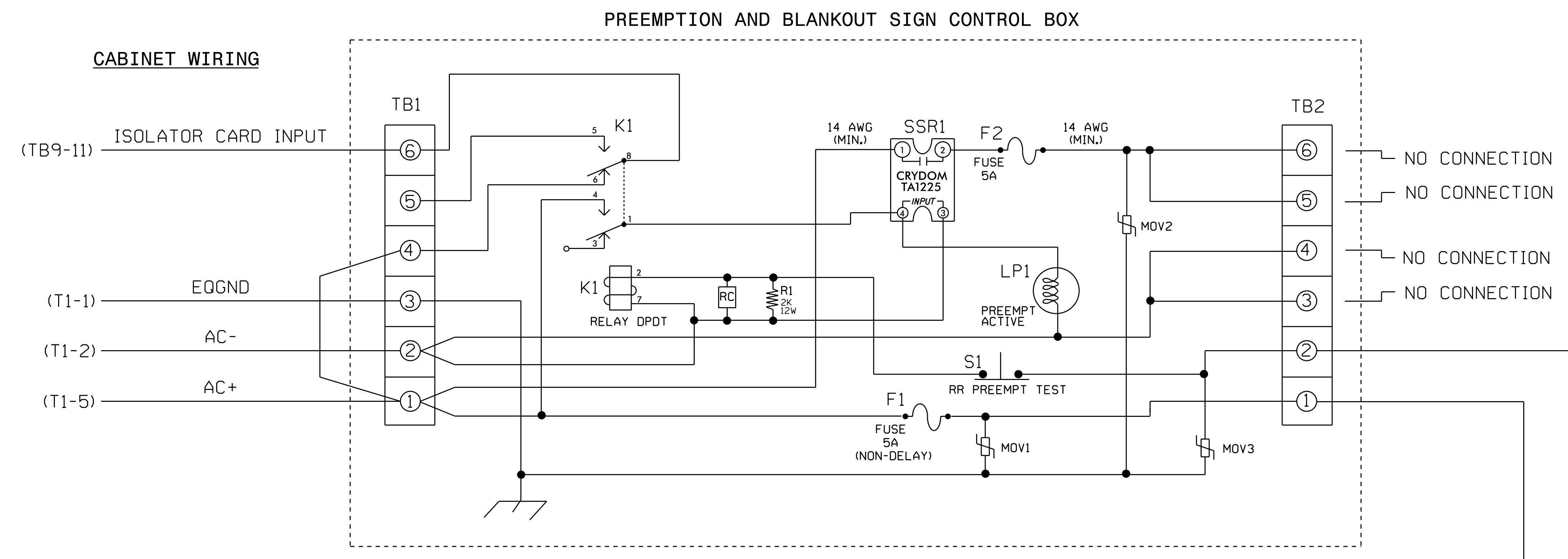
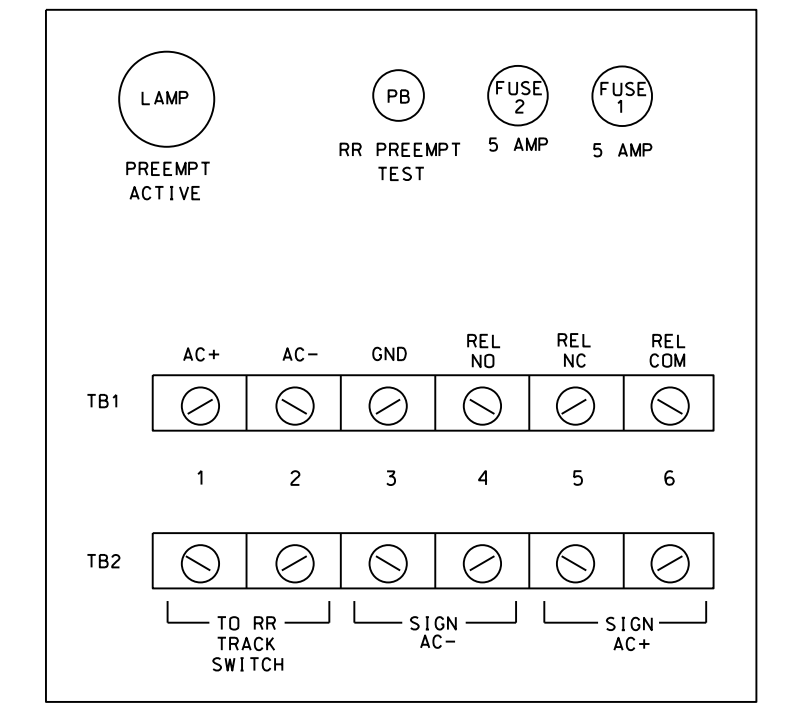


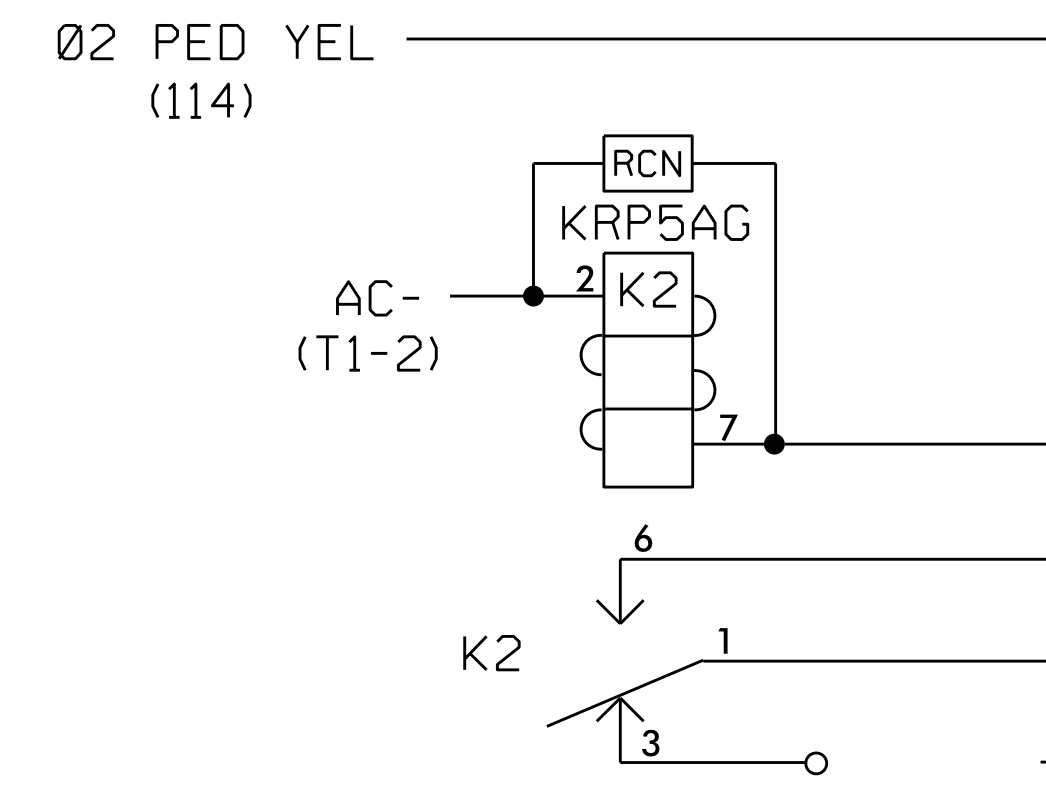
EMERGENCY VEHICLE PREEMPTION PUSHBUTTON AND INDICATOR LAMP WIRING DETAIL

FRONT VIEW OF PREEMPT BOX



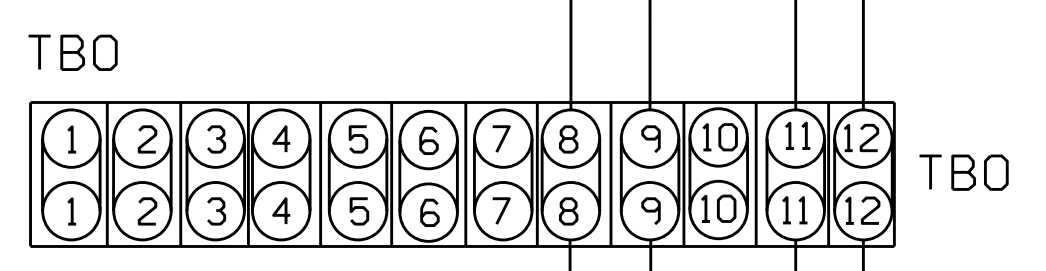
NOTES

1. RELAY K1 IS SHOWN IN THE ENERGIZED (PREEMPT NOT ACTIVE) NORMAL OPERATION STATE.
2. RELAY K1 IS A POTTER & BRUMFIELD KRP11AG DPDT RELAY WITH 120VAC COIL AND OCTAL BASE.
3. RELAY SSR1 IS A CRYDOM TA1225 SPST (NORMALLY OPEN) SOLID STATE RELAY WITH AC INPUT AND AC (25 AMP) OUTPUT. DOT MATERIAL# 625028740.
4. AC ISOLATOR CARD SHALL ACTIVATE PREEMPTION UPON REMOVAL OF AC+ FROM THE INPUT (AS SHOWN ABOVE). SEE AC ISOLATOR OUTPUT PROGRAMMING DETAIL ON SHEET 3 OF 5 OF THIS ELECTRICAL DETAIL.
5. RESISTOR IS VALUED AT 2K OHM, 12 WATT. CLAROSTAT PART NO. VPR10F-2K; DOT MATERIAL# 625011550.
6. RC NETWORK IS VALUED AT .1 MICROFARAD, 100 OHM.
7. IF REPLACEMENT MOV'S ARE NEEDED, GE PART NO. V150LA20A (DOT MATERIAL# 106023975) MAY BE USED.
8. PREEMPTION AND BLANKOUT SIGN CONTROL BOX IS A CONTROL TECHNOLOGIES PART NO. 2299-101. DOT MATERIAL# 619033450.
9. IMPORTANT!! TERMINAL TB9-12 (ON INPUT PANEL) SHALL BE CONNECTED TO AC NEUTRAL (JUMPER MAY HAVE TO BE ADDED).
10. RELAY K2 IS A SPDT WITH A 120VAC COIL AND 10 AMP CONTACTS. (P&B PART NO. KRP5AG) (DOT MATERIAL NO. 625028600).



RELAY IS SHOWN IN THE DE-ENERGIZED - NORMAL OPERATION STATE.

NOTE: TBO IS LOCATED ON THE RIGHT REAR OF 332 CABINET.



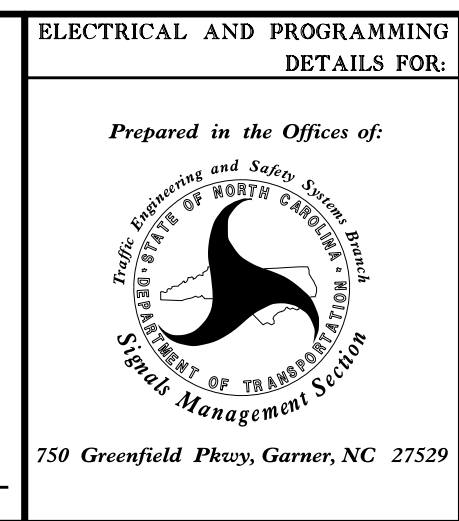
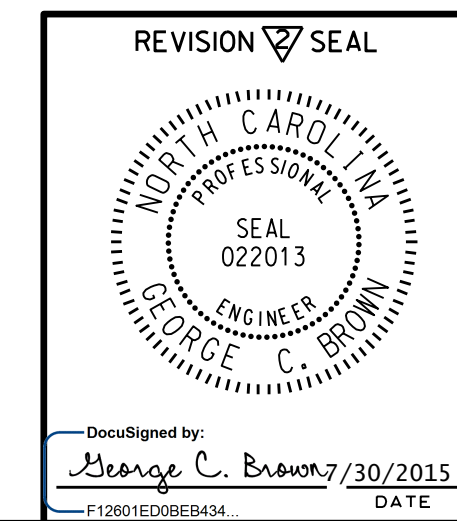
CONNECTIONS IN CABINET AT SERVICE RD/FIRE DEPT. 03-0753

- TBO-12 AT SIGNAL 03-0753
- TBO-11 AT SIGNAL 03-0753
- TBO-9 AT SIGNAL 03-0753
- TBO-8 AT SIGNAL 03-0753

Electrical Detail - Sheet 2 of 5

9. IMPORTANT!!
TERMINAL TB9-12 (ON INPUT PANEL) SHALL BE CONNECTED TO AC NEUTRAL (JUMPER MAY HAVE TO BE ADDED).

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 03-1021
DESIGNED: March 2008
SEALED: June 19, 2008
REVISED: 7/20/2015



US 421 (Carolina Beach Road) at The Kings Hwy.	
Division 3 New Hanover County Myrtle Grove	
PLAN DATE: March 2008	REVIEWED BY:
PREPARED BY: R. Hinshaw	REVIEWED BY:
REVISIONS	
REVISED FIRE PREEMPTION PUSH BUTTON AND INDICATOR LAMP WIRING DETAIL. ALSO REVISED PREEMPT PROGRAMMING DETAIL AND ADDED AC ISOLATOR DETAIL. 02/04/2009 -MM-	INIT. DATE
JTR ds 2/6/09	JTR ds 2/6/09
No change to Electrical Detail. CES 6/14/15	JTR ds 7/30/2015

SEAL

This document originally issued and sealed by F. Royal Hinshaw, #032117, on 8-12-08. This media shall not be considered a certified document.

SIGNATURE _____ DATE _____

SIG. INVENTORY NO. 03-1021