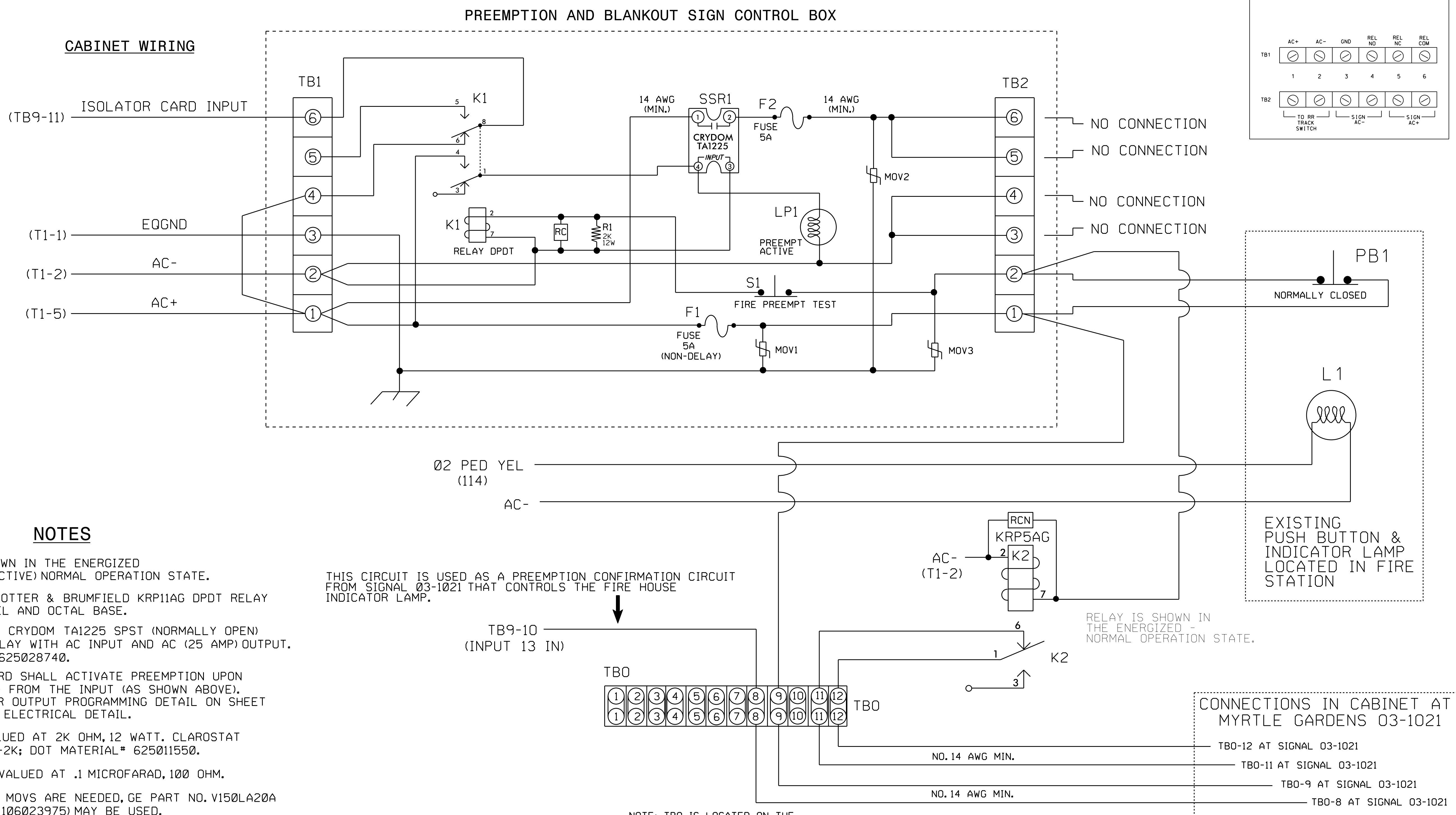
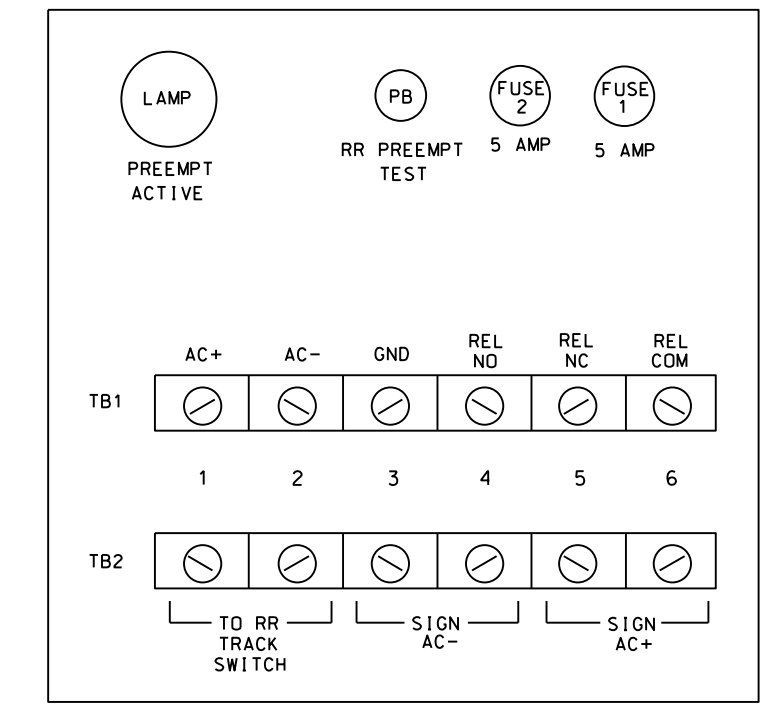


### EMERGENCY VEHICLE PREEMPTION PUSHBUTTON AND INDICATOR LAMP WIRING DETAIL

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).  
 ALSO ADD JUMPER FROM J14-K TO J14-E ON REAR OF INPUT FILE. THIS JUMPER PROVIDES AC NEUTRAL TO CHANNEL 1 OF AC ISOLATOR CARD.
10. RELAY K2 IS A SPDT WITH A 120VAC COIL AND 10 AMP CONTACTS. (P&B PART NO. KRP5AG) (DOT MATERIAL NO. 625028600).

THIS CIRCUIT IS USED AS A PREEMPTION CONFIRMATION CIRCUIT FROM SIGNAL 03-1021 THAT CONTROLS THE FIRE HOUSE INDICATOR LAMP.

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

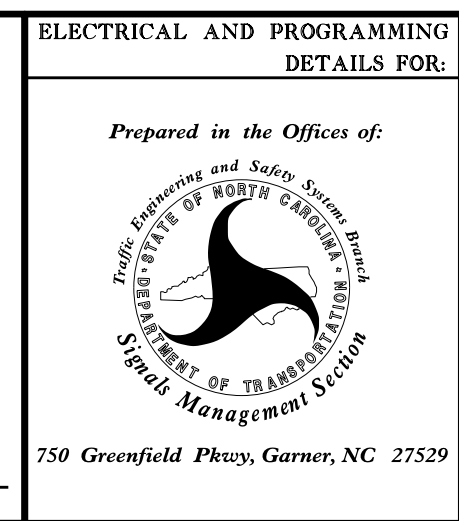
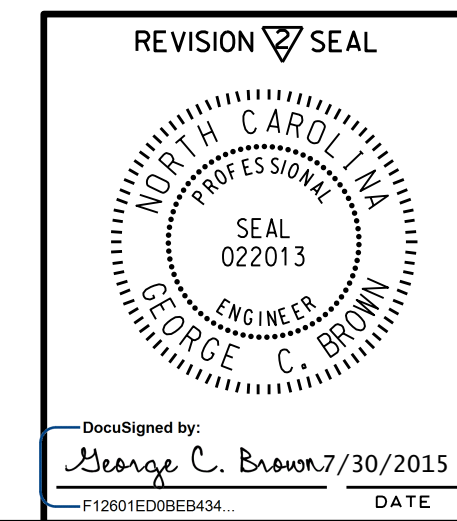
EXISTING PUSH BUTTON & INDICATOR LAMP LOCATED IN FIRE STATION

RELAY IS SHOWN IN THE ENERGIZED - NORMAL OPERATION STATE.

CONNECTIONS IN CABINET AT MYRTLE GARDENS 03-1021

- TBO-12 AT SIGNAL 03-1021
- TBO-11 AT SIGNAL 03-1021
- TBO-9 AT SIGNAL 03-1021
- TBO-8 AT SIGNAL 03-1021

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 03-0753  
 DESIGNED: March 2008  
 SEALED: 7/29/2008  
 REVISED1: 12/22/14  
 REVISED2: 7/22/15



US 421 (Carolina Beach Road) at SR 2501 (Service Road) / Fire Dept.	
Division 3 New Hanover County Myrtle Grove	
PLANNED BY: R. Hinshaw	REVIEWED BY:
DATE: 2/6/09	DATE: 7/30/2015
REVISIONS	
1. REVISED FIRE PREEMPTION PUSH BUTTON AND INDICATOR LAMP WIRING DETAIL. ALSO ADDED AC ISOLATOR DETAIL AND PREEMPT DMIT NOTE. 02/04/2009-MMH	DATE: 2/6/09
No change to Electrical detail. CES 7/14/15	

SEAL

Not a certified document as to the Original Document but only as to the Revisions - This document is originally issued and sealed by F. Royal Hinshaw, #032117, on 8-12-08. This document is only certified as to the revisions.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SIG. INVENTORY NO. 03-0753