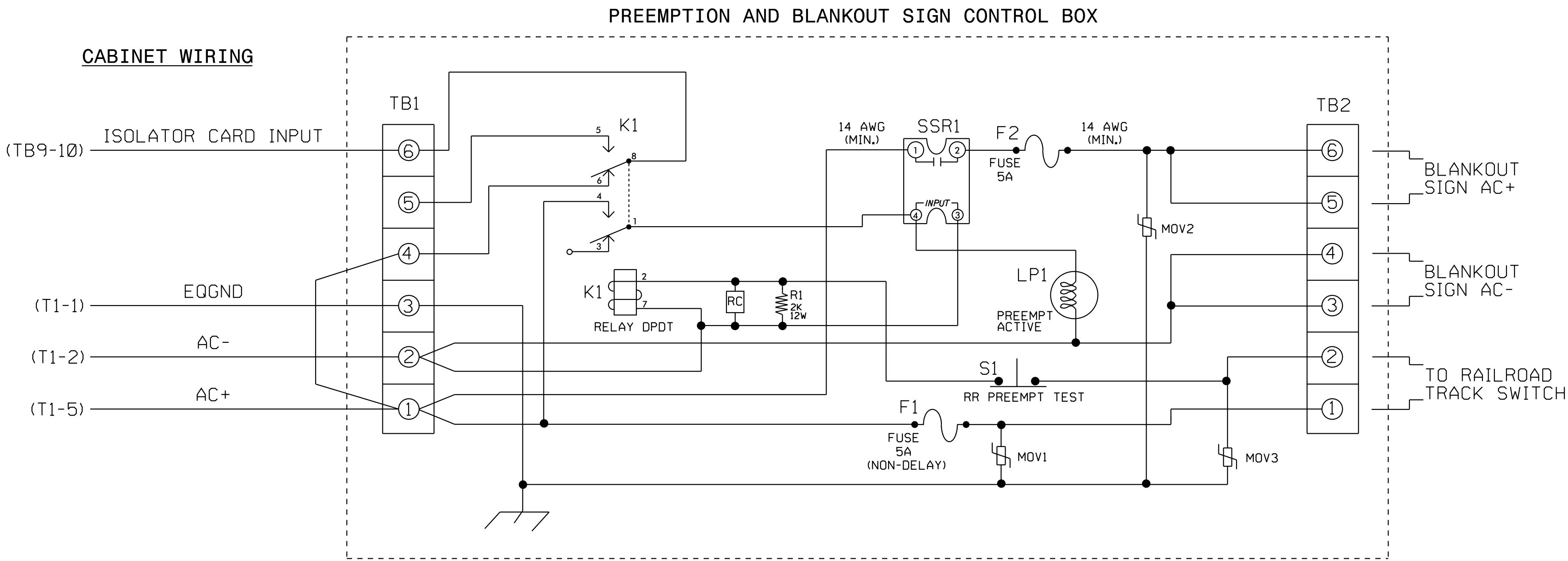


| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|
| U-5760                | Sig. 2.3  |

RAILROAD PREEMPTION WIRING DETAIL

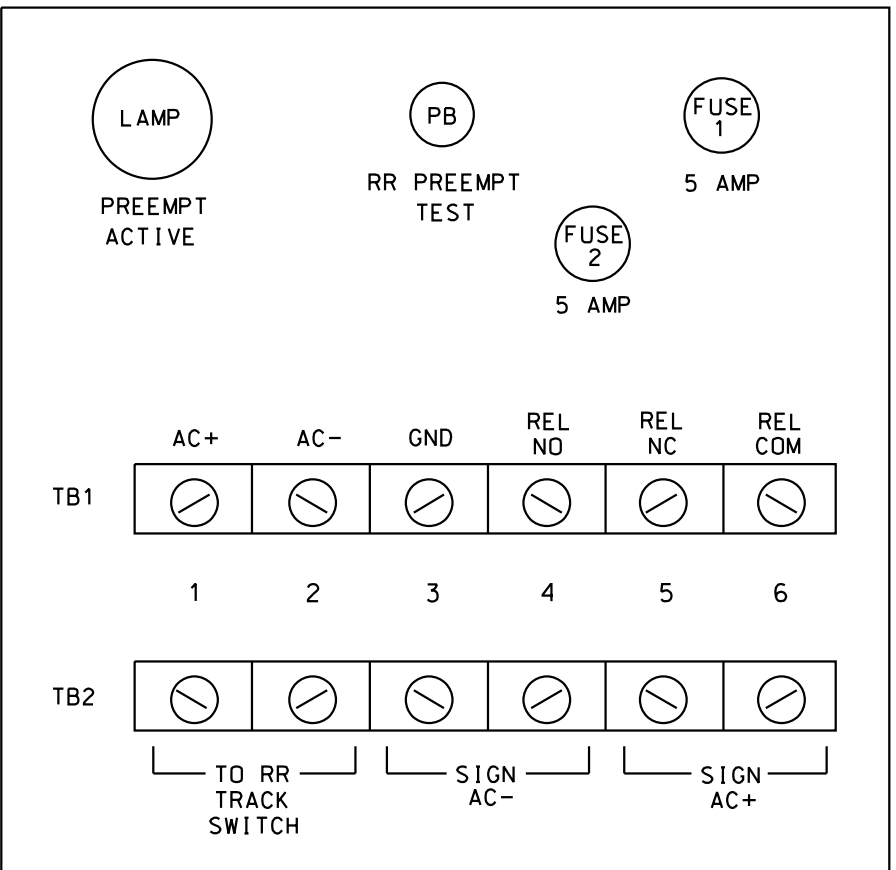
(wire as shown below)



NOTES

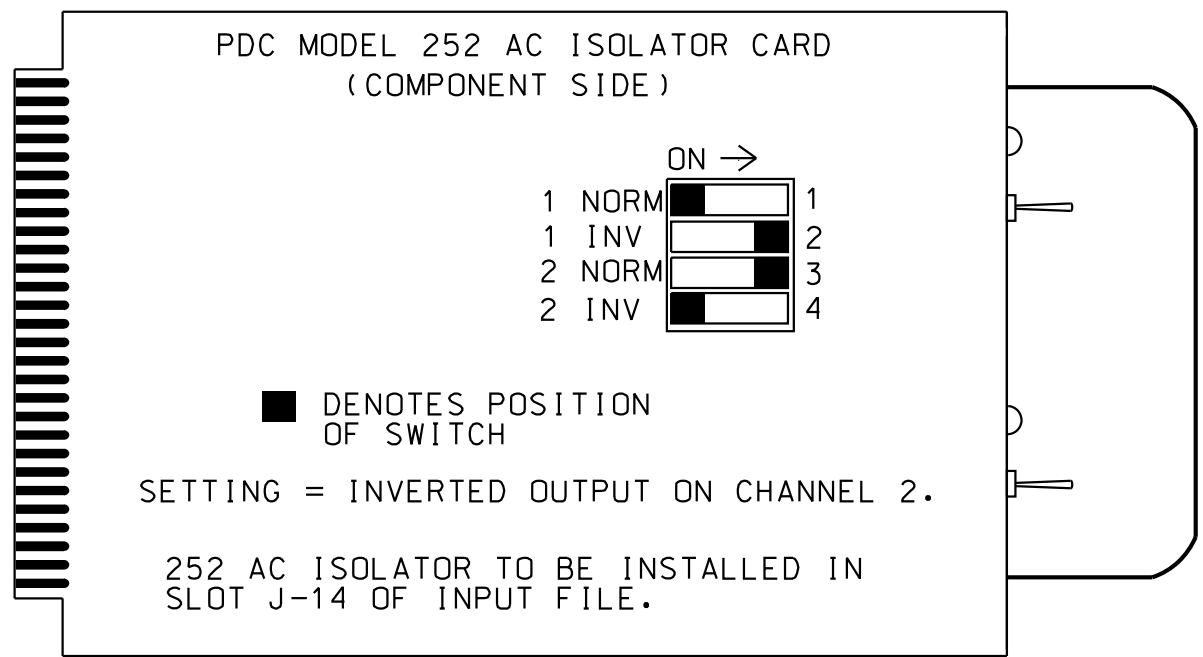
- Relay K1 is shown in the energized (Preempt not active) normal operation state.
- Relay K1 is a DPDT with 120VAC coil with octal base.
- Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
- AC Isolator Card shall activate preemption upon removal of AC+ from the input (as shown above). To accomplish this set invert dip switch on AC Isolator Card.
- IMPORTANT!! A jumper must be added between input file terminals J14-E and J14-K if not already present. Also, terminal TB9-12 (on input panel) shall be connected to AC neutral (jumper may have to be added).

FRONT VIEW



PREEMPT 2 AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)



NOTE: IF ANOTHER MANUFACTURER TYPE OF AC ISOLATOR IS USED, OUTPUT PROGRAMMING IS LIKELY NOT TO EQUATE TO THAT SHOWN ABOVE.

PREEMPTION PROGRAMMING

Front Panel  
Main Menu >Controller >Preemption  
>Preempt Phasing/Preempt Parameters

Web Interface  
Home >Controller >Preempt Configuration >Preempts

Preempt Configuration

| Preempt                 | 1           |
|-------------------------|-------------|
| Enabled                 | Enabled     |
| Type                    | Rail Road   |
| Track Phases            | 4,7,39      |
| Track Overlaps          | 2,4         |
| Dwell Phases            | 2,6         |
| Dwell Peds              | -           |
| Dwell Overlaps          | 1           |
| Cycling Phases          | 2,6,9       |
| Cycling Peds            | -           |
| Cycling Overlaps        | 1,5,7       |
| Exit Phases             | 4,8         |
| Exit Overlaps           | 2,4         |
| Delay                   | 0           |
| Call Ext Time           | 1.0         |
| Max Presence            | 0           |
| Max Pres Act            | Terminate   |
| Enter Min Green         | 1           |
| Enter Walk              | 0           |
| Enter Ped Clear         | 0           |
| Enter Yellow Change     | 4.9         |
| Enter Red Clear         | 2.9         |
| Track Green             | 28          |
| Track Yellow Clr        | 4.4         |
| Track Red Clear         | 2.3         |
| Dwell Green             | 0           |
| Exit Min Green          | 255         |
| Exit Yellow Change      | 25.5        |
| Exit Red Clear          | 25.5        |
| Exit Type               | Exit Phases |
| Non Locking Memory      | -           |
| Not Ovrd Flash          | X           |
| Not Ovrd Nxt Pre        | -           |
| Require All Red Entry   | -           |
| Track Clear Ovrd        | X           |
| Ped Clear During Yellow | -           |
| Entry Omit OLTG         | X           |
| Track Reserve           | X           |

THIS ELECTRICAL DETAIL IS FOR  
THE SIGNAL DESIGN: 09-0567T1  
DESIGNED: August 2024  
SEALED: 07/14/2025  
REVISED: N/A

Electrical Detail - Temporary Design 1  
Sheet 3 of 3

| ELECTRICAL AND PROGRAMMING DETAILS FOR:                                                                                                            |  | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED                                                                                                                                                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Prepared For:<br><br>750 N. Greenfield Pkwy, Garner, NC 27529 |  | NC 66/SR 2377 (W. Mountain St.)<br>at<br>NC 66 (Old Hollow Road) and<br>SR 2649 (Hopkins Road)<br>Division 9 Forsyth County Kernersville<br>PLAN DATE: August 2024 REVIEWED BY: KP Baumann<br>PREPARED BY: CF Davis REVIEWED BY:<br>REVISIONS<br>INIT. DATE<br>SIGNATURE DATE<br>SIC. INVENTORY NO. 09-0567T1 |  |

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