RAILROAD PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)
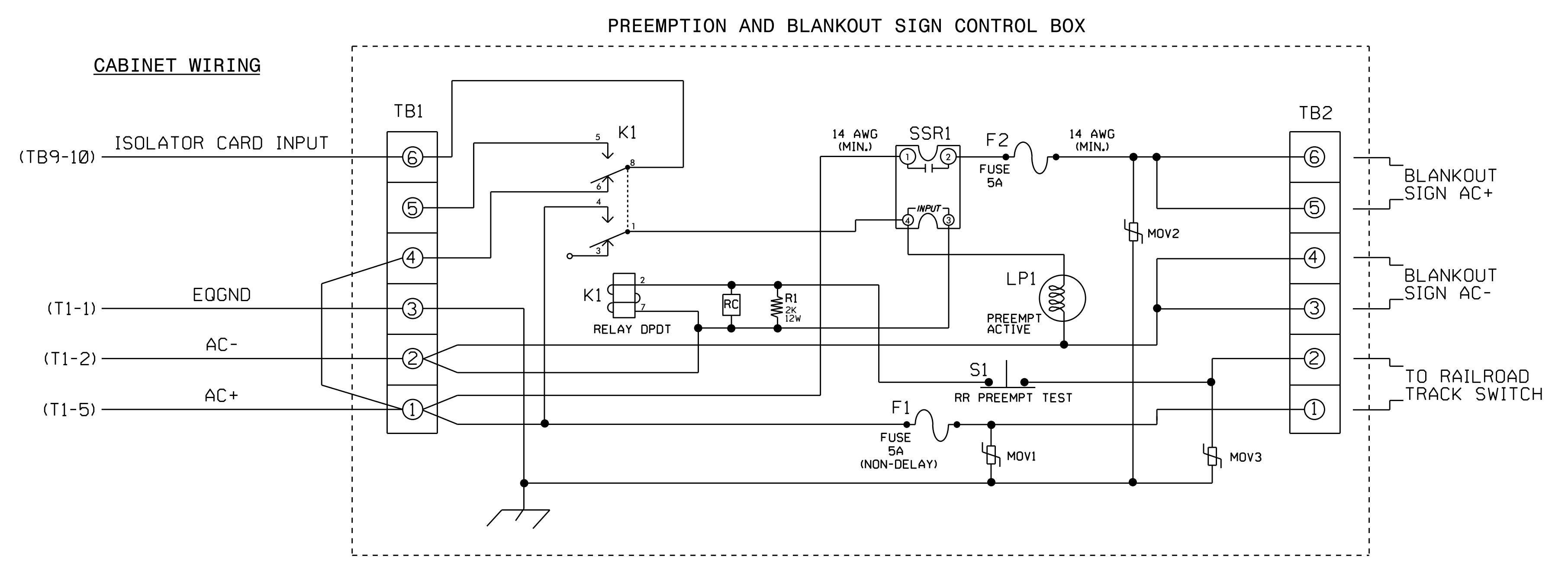
From Main Menu press 'A' (Preemption), then '1'
(Standard Preemptions).

```
    PREEMPTION  #1   SETTINGS (NEXT:1-10)
    INTERVAL/TIMING │  CLEAR/DWELL PHASES
      GRN  YEL  RED │12345678910111213141516
    1  10  3.2  2.7 │ X
    2 255  0.0  0.0 │ X   X
    3   0  0.0  0.0 │
    4   0  0.0  0.0 │
    5   1  0.0  0.0 │ X   X
    EXIT CALLS
                   OPTIONS
    PRIORITY (Y/N TO SELECT) ............HIGH
    DELAY TIMER (0-255 SEC) .............0
    MIN GREEN BEFORE PRE (0= DEFAULT)....1
    PED CLEAR BEFORE PRE (0= DEFAULT)....0
    YELLOW CLEAR BEFORE PRE (0= DEFAULT).5.2
    RED CLEAR BEFORE PRE (0= DEFAULT)....1.1
    DWELL MIN TIMER (0-255 SEC) .........12
    DWELL MAX TIMER (0=OFF,1-255MIN) .....0
    DWELL HOLD-OVER TIMER (0-255) ........0
    LATCH CALL? .........................N
    LINK TO NEXT PREEMPT? ...............N
    ENABLE BACKUP PROTECTION? ...........N
    HOLD CLEAR 1 PHASES DURING DELAY? ...N
    FAST GREEN FLASH DWELL PHASES? ......N
    PED CLEARANCE THROUGH YELLOW? .......N
    INHIBIT OVERLAP GREEN EXTENSION? ....N
    SERVICE DURING SOFTWARE FLASH? ......N
    REST IN RED DURING DWELL INTERVAL? ..N
    FLASH DWELL INTERVAL? ...............N
    ALLOW PEDS IN DWELL INTERVAL? .......N
    RE-TIME DWELL INTERVAL? .............N
    OVERLAPS:            │ ABCDEFGHIJKLMNOP
    DWELL INT FLASH YELLOW:│
    OMIT OVERLAPS:       │ X              X
```

RAILROAD PREEMPTION WIRING DETAIL

(wire as shown below)
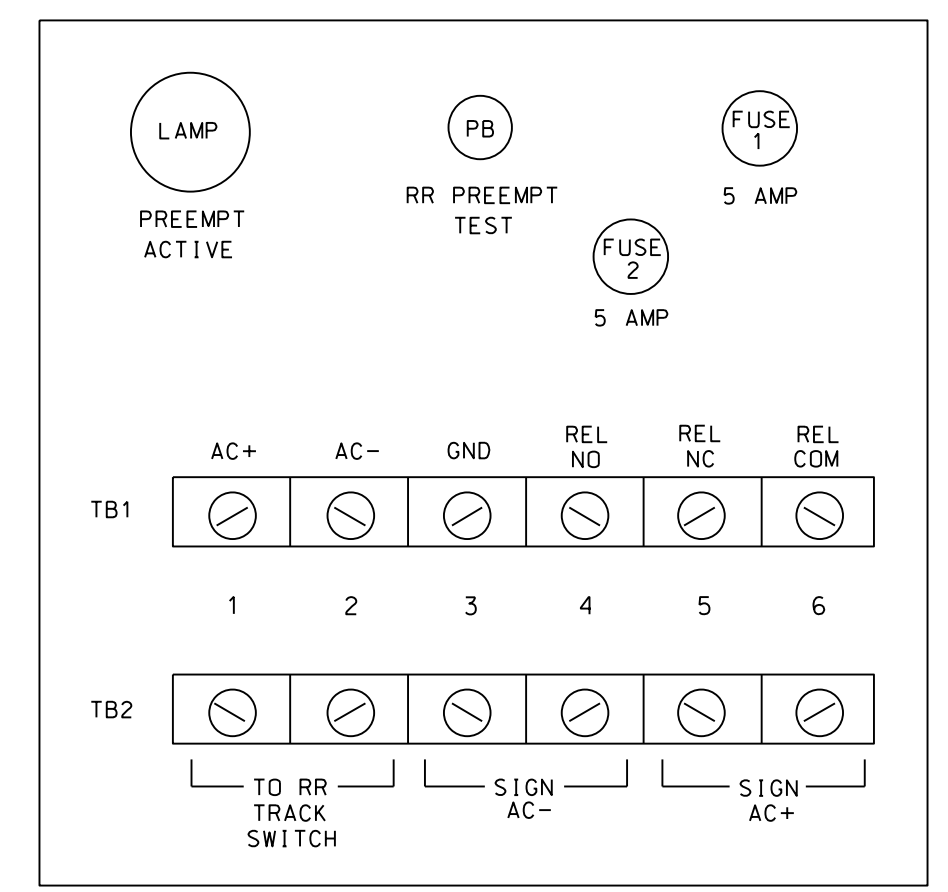
PREEMPTION AND BLANKOUT SIGN CONTROL BOX
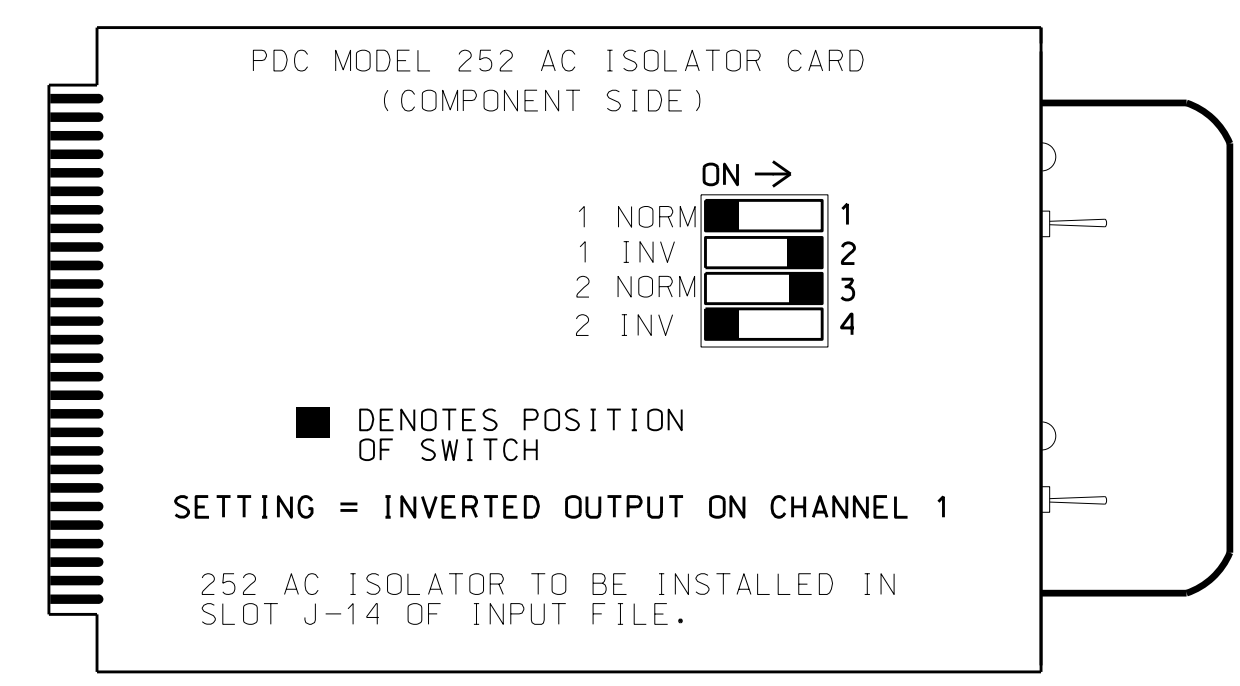
CABINET WIRING

NOTES

1. Relay K1 is shown in the energized
   (Preempt <u>not</u> active) normal operation state.

2. Relay K1 is a DPDT with 120VAC coil with octal base.

3. Relay SSR1 is a SPST (normally open) Solid State
   Relay with AC input and AC (25 amp) output.

4. 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.

5. 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 1 AC ISOLATOR (MODEL 252) OUTPUT PROGRAMMING DETAIL

*(set **DIP** switches as shown below)*


```
       PDC MODEL 252 AC ISOLATOR CARD
              (COMPONENT SIDE)

                          ON →
                 1 NORM ■         1
                 1 INV         ■  2
                 2 NORM ■         3
                 2 INV        ■   4

           ■ DENOTES POSITION
             OF SWITCH

    SETTING = INVERTED OUTPUT ON CHANNEL 1

    252 AC ISOLATOR TO BE INSTALLED IN
    SLOT J-14 OF INPUT FILE.
```

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

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 13-0816
DESIGNED: March 2016
SEALED: 11/2/2016
REVISED:

Electrical Detail Sheet 3 of 3

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared In the Offices of:

Transportation Mobility and Safety Division
Signals Management Section
750 N.Greenfield Pkwy,Garner,NC 27529

US 19-23 (Smokey Park Hwy.)
at
SR 3613 (Enka Quarry Rd.)/
SR 1233 (Rutherford Rd.)

Division 13   Buncombe County   Enka

PLAN DATE: September 2016	REVIEWED BY: K.M. Mims
PREPARED BY: Z.M. Little	REVIEWED BY:

REVISIONS | INIT. | DATE

SEAL

NORTH CAROLINA
SEAL
036880
KEITH M. MIMS

DocuSigned by:
Keith M. Mims
2F8078E9E0CD34A5

11/3/2016
DATE

SIG. INVENTORY NO. 13-0816