

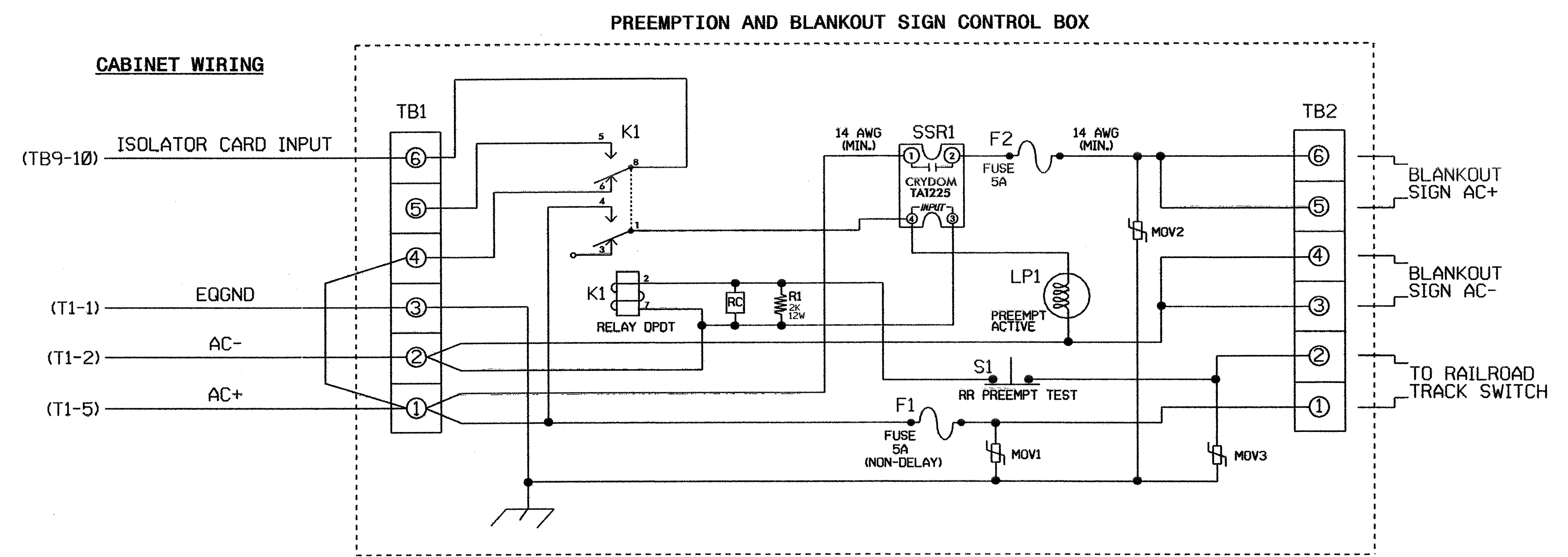
RAILROAD PREEMPTION PROGRAMMING DETAIL
(program controller as shown below)

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS).

PREEMPTION #	INTERVAL/TIMING	SETTINGS (NEXT:1-10) CLEAR/DWELL PHASES
1	23 4.0 2.5	GRN YEL RED 12345678910111213141516
2	255 0.0 0.0	X X X
3	0 0.0 0.0	X X
4	0 0.0 0.0	
5	0 0.0 0.0	

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)....	5.0
RED CLEAR BEFORE PRE (0= DEFAULT)....	3.0
DWELL MIN TIMER (0-255 SEC)	10
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:	ABCDEFGHIJKLMN
DWELL INT FLASH YELLOW	
OMIT OVERLAPS:	

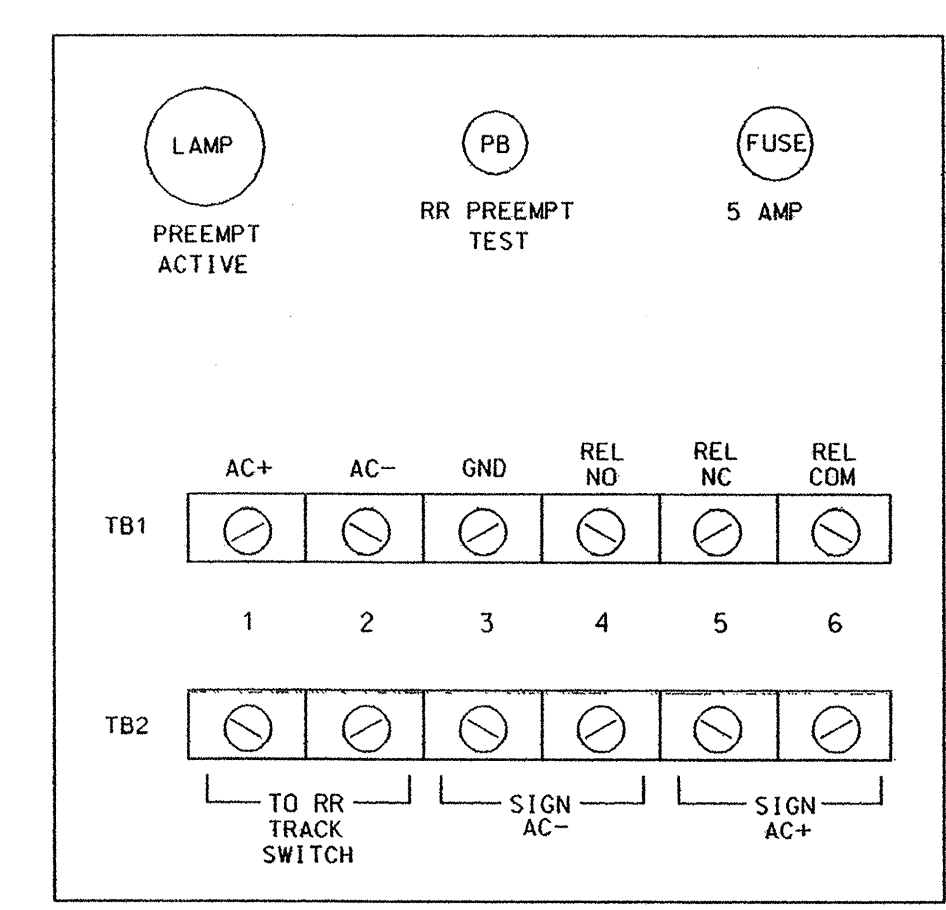
RAILROAD PREEMPTION WIRING DETAIL
(wire as shown below)



NOTES

- RELAY K1 IS SHOWN IN THE ENERGIZED (PREEMPT NOT ACTIVE) NORMAL OPERATION STATE.
- RELAY K1 IS A DPDT WITH 120VAC COIL. POTTER & BRUMFIELD KRPI1AG WITH OCTAL BASE OR APPROVED EQUIVALENT.
- RELAY SSR1 IS A SPST (NORMALLY OPEN) SOLID STATE RELAY WITH AC INPUT AND AC (25 AMP) OUTPUT. CRYDOM TA1225 OR APPROVED EQUIVALENT.
- AC ISOLATOR CARD SHALL ACTIVATE PREEMPTION UPON REMOVAL OF AC+ FROM THE INPUT (AS SHOWN ABOVE).
- RESISTOR IS VALUED AT 2K OHM, 12 WATT. CLAROSTAT PART NO. VPR10F-2K OR APPROVED EQUIVALENT.
- RC NETWORK IS VALUED AT .1 MICROFARAD, 100 OHM.
- IF REPLACEMENT MOV'S ARE NEEDED, GE PART NO. V150LA20A MAY BE USED.
- PREEMPTION AND BLANKOUT SIGN CONTROL BOX IS A CONTROL TECHNOLOGIES PART NO. 2299-101 OR APPROVED EQUIVALENT.
- 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



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0335
DESIGNED: 10/30/03
SEALED: 08/09/04
REVISED:

SIGNAL UPGRADE - FINAL DESIGN - SHEET 2 OF 2

	ELECTRICAL AND PROGRAMMING DETAILS FOR:	NC 274 (BESSEMER CITY ROAD)	SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022013 GEORGE C. BROWN
	Prepared in the Offices of:	AT SR 1334 (JENKINS DAIRY ROAD) & SR 1135 (SHANNON BRADLEY ROAD)	
PLAN DATE: JULY 2004	REVIEWED BY: T.J.G.	PREPARED BY: WILLIAM HAIRSTON	REVIEWED BY:
REVISIONS	INIT.	DATE	SIGNATURE: George C. Brown 8/12/04

122 N. McDowell St., Raleigh, NC 27603

SIG. INVENTORY NO. 12-0335

10-AUG-2004 15:45
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