PROJECT REFERENCE NO.	SHEET NO.
B-5985A	SIG-6.3

ECONOLITE ASC/3-2070 RAILROAD PREEMPT PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select | 4. PREEMPTOR/TSP |

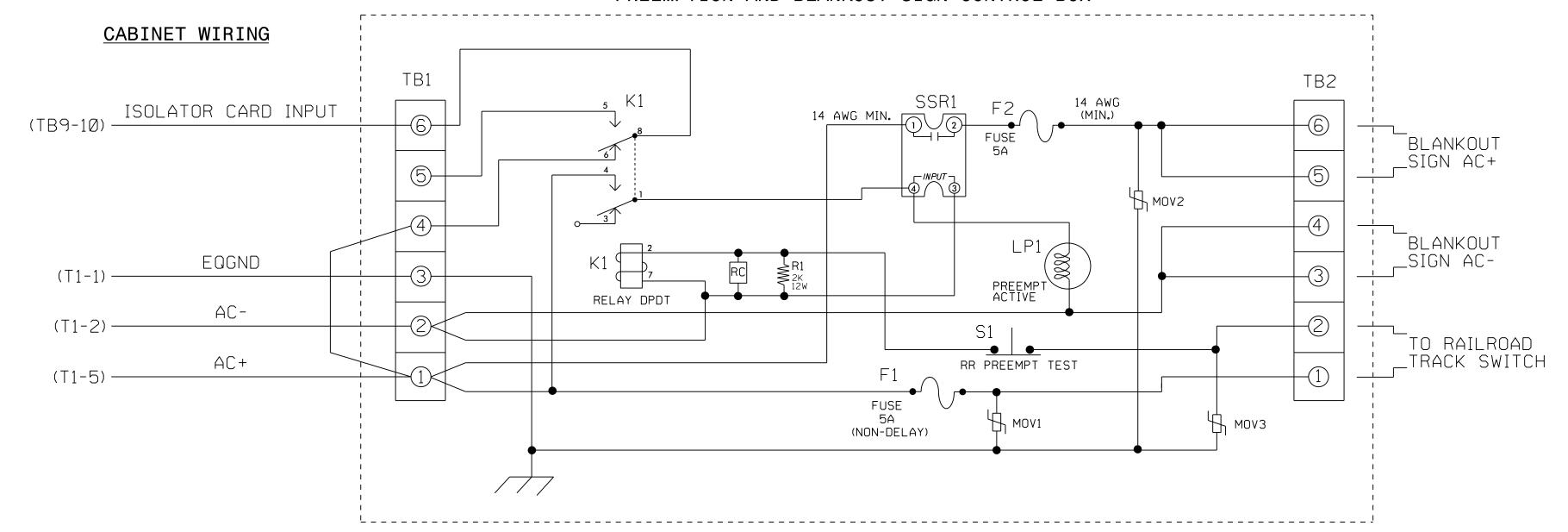2. From PREEMPTOR/TSP/SCP Submenu select | 1. PREEMPT PLAN 1-10 |

Place cursor in [ ] next to Preempt Plan and press 1. Then press the right cursor arrow and toggle the controller to YES. Next cursor down. This will select Railroad Preempt #1.

```
PREEMPT PLAN [ 1]    ENABLE....YES
   VEH/PED 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
   OVERLAP A B C D E F G H I J K L M N O P
   TRKCLR V . . X . . . . . . . . . . . . .
   TRKCLR O . . . . . . . . . . . . . . . .
   ENA TRL . . . . . . . . . . . . . . . .
   DWEL VEH . . . . . . . . . . . . . . . .
   DWEL PED . . . . . . . . . . . . . . . .
   DWEL OLP . . . . . . . . . . . . . . . .
   CYC VEH . X . . X X X . . . . . . . . .
   CYC PED . . . . . . . . . . . . . . . .
   CYC OLP . . X . . . . . . . . . . . . .
   EXIT PH . . . . . . . . . . . . . . . .
   EXIT CAL . . . . . . . . . . . . . . . .
   SP FUNC . . . . . . . . . . . . . . . .


ENABLE... YESIPMT OVRIDE.XIINTERLOCK. NO
DET LOCK... XIDELAY....    OIINHIBIT... O
OVERRIDE FL. .IDURATION  OICLR-GRN... NO
TERM OLP. NOIPC>YEL   YESITERM PH    NO
PED DARK.. NOITC RESRV YESIDWELL FL  OFF
LINK PMT....OIX FLCOLR REDIEXIT OPT. OFF
X TMG PLN...OIRE-SERV.. OIFLT TYPE.HARD
FREE DUR PMTIR1 NOIR2 NOIR3 NOIR4 NO
--TIMING-----WALKIPED CLIMN GRI YELI RED
ENTRANCE TM.    OI   4I   1125.5125.5
----------MIN GRIEXT GRIMX GRI YELI RED
TRACK CLEAR   231    OI   OI 4.11 1.6
----------MIN DLIPMTEXTIMX TMI YELI RED
DWL/CYC-EXIT  10I   0.0I   OI25.5125.5
PMT ACTIVE OUT..ON   PMT ACT DWELL...NO
OTHER - PRI PMT.OFF  NON-PRI PMT.....OFF
INH EXT TIME... O.O  PED PR RETURN...OFF
PRIORITY RETURN.OFF  QUEUE DELAY.... OFF
COND DELAY......OFF
PHASES     1   2   3   4   5   6   7   8
PR RTN%    0   0   0   0   0   0   0   0
PHASES     9  10  11  12  13  14  15  16
PR RTN%    0   0   0   0   0   0   0   0
```

RAILROAD PREEMPTION WIRING DETAIL
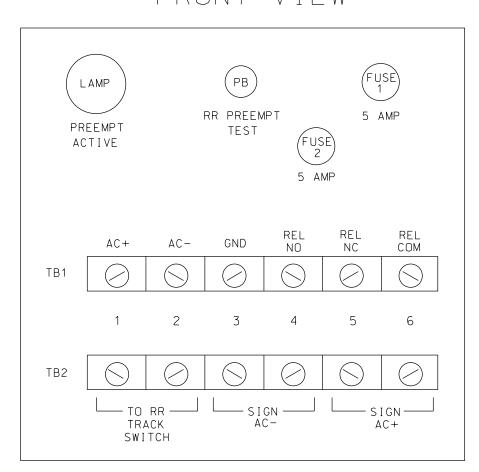
(wire as shown below)

PREEMPTION AND BLANKOUT SIGN CONTROL BOX

CABINET WIRING

NOTES

1. Relay K1 is shown in the energized (Preempt not 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

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 06-0186
DESIGNED: AUGUST 2022
SEALED: FEBRUARY 2023
REVISED: N/A

Final Design
Electrical Detail - Sheet 3 of 3

Stantec

Stantec Consulting Services Inc.
801 Jones Franklin Road-Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

ELECTRICAL AND PROGRAMMING
DETAILS FOR:

Prepared for the Offices of:

750 N.Greenfield Pkwy,Garner,NC 27529

NC 72/NC 41-72 (W 2nd St)
at
NC 41/SR 1599
(Martin Luther King Jr. Dr)

Division 6	Robeson County	Lumberton
PLAN DATE: FEBRUARY 2023	REVIEWED BY: R M Muncey	
PREPARED BY: D. Waller	REVIEWED BY:	

REVISIONS	INIT.	DATE

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
43239
ENGINEER
REGINA M. MUNCEY

SIGNATURE

SIG. INVENTORY NO.   06-0186