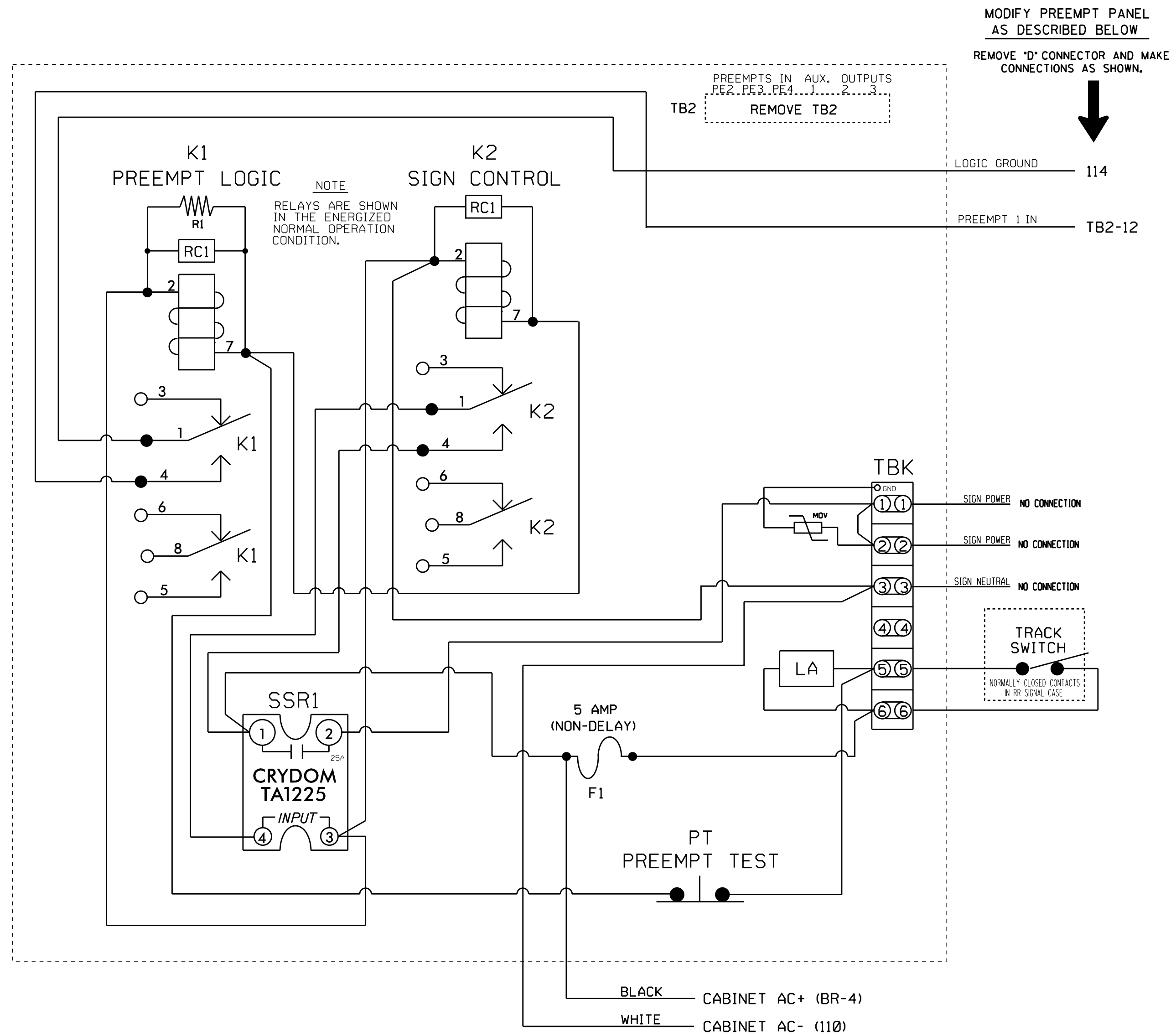


PREEMPTION PANEL WIRING DIAGRAM



MODIFY PREEMPT PANEL AS DESCRIBED BELOW
REMOVE 'D' CONNECTOR AND MAKE CONNECTIONS AS SHOWN.

PREEMPTS IN AUX. OUTPUTS
P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100

NOTES

- RELAYS K1 AND K2 ARE DPDT WITH A 120VAC COIL. (EAGLE PART NO. 2202CA120).
- SSR1 IS A SPST, N.O. WITH AN AC INPUT AND 25A CONTACTS. CRYDOM PART NO. TA1225, DOT MATERIAL NO. 625028740.
- THE RC NETWORKS ACROSS THE COILS OF K1 AND K2 ARE VALUED AT .1 MICRO FARAD, 100 OHM. PART NO. PBN-2002.
- LA IS AN EDCO SPA-60BS-2 SURGE PROTECTOR FOR 120VAC INTERCONNECT. DOT MATERIAL NO. 625022076.
- MOV IS RATED AT 150 VRMS, 20 JOULES. PART NO. PGR-193.
- THIS CABINET AND CONTROLLER IS WIRED AND PROGRAMMED FOR RAILROAD PREEMPTION. THE PREEMPTION PANEL IS AN EAGLE PART NO. AAD12366P003, DOT MATERIAL NO. 620031320.

ECONOLITE ASC2-FAMILY RAILROAD PREEMPTOR
PREEMPTOR PROGRAMMING DETAIL
(program controller as shown below)

PREEMPTOR SUBMENU

1. PRIORITY PMT 1	5. PRIORITY PMT 5
2. PRIORITY PMT 2	6. PRIORITY PMT 6
3. PRIORITY PMT 3	7. BUS PREEMPTORS
4. PRIORITY PMT 4	

PRIORITY PREEMPTOR 1

DON'T OVERRIDE FLASH.....	.
FLASH ALL OUTPUTS.....	.
YELLOW-RED GOES GREEN....	.
ENABLE MAX PREEMPT TIME..	.
ACTIVE ONLY DURING HOLD..	.
NO CVM IN FLASH.....	.
FAST FLASH GRN ON HOLD...	.
OUT OF FLASH.....	GREEN

ADDITIONAL PAGE(S)

PRIORITY PREEMPTOR 1

PHASE.....	1	2	3	4	5	6	7	8	9	0	1	2
TERM PHASE OVLAP												
TRK CLR PHASE..												
HOLD PHASES....												
EXIT PHASES.... . X . . . X												
EXIT CALLS.... ..												
TERM OVERLAP... A: . B: . C: . D: .												
ACTIVE.....YES	PED DARK.....	NO										
PRIORITY.....YES	PED ACTIVE.....	NO										
DET LOCK.....	ZERO PC TIME...	NO										
HOLD FLASH.....	PC THRU YELLOW.	NO										
TERM OVLP ASAP.	NO	TERM PHASES....	NO									

ADDITIONAL PAGE(S)

PRIORITY PREEMPTOR 1

MAX TIME.....	0	DURATION TIME..	0
MIN HOLD TIME.	7	DELAY TIME....	0
MIN PED CLEAR.	0	INHIBIT TIME...	0
EXIT MAX.....	0	HLD DELAY TIME.	1

	GRN	YEL	RED
MINIMUM.....	1	3.3	4.0
TRACK CLEAR...	0	0.0	0.0
HOLD.....	0.0	0.0	

END OF SUBMENU

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 02-0007
DESIGNED: JUNE 2014
SEALED: 9/2/2014
REVISED: N/A

FINAL DESIGN SHEET 2 OF 2

Prepared For: **Kimley-Horn**

PLANS PREPARED IN THE OFFICE OF:
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SR 1598/SR 1531 (DICKINSON AVENUE) AT SR 1571 (GRANDE AVENUE)

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS

PREPARED BY: SP PENNINGTON REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: **Stacie Phillips** 9/2/2014

SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 032607 STACIE L. PHILLIPS

SIGNATURE DATE

SIG. INVENTORY NO. 02-0007

8/29/2014 10:56:53 AM susen.pennington K:\RAL_Roadway\01036175 U-3315\W\Office\Sigalsk4 - Signal Design\Diagrams\4.3 020007-140829a2.dgn