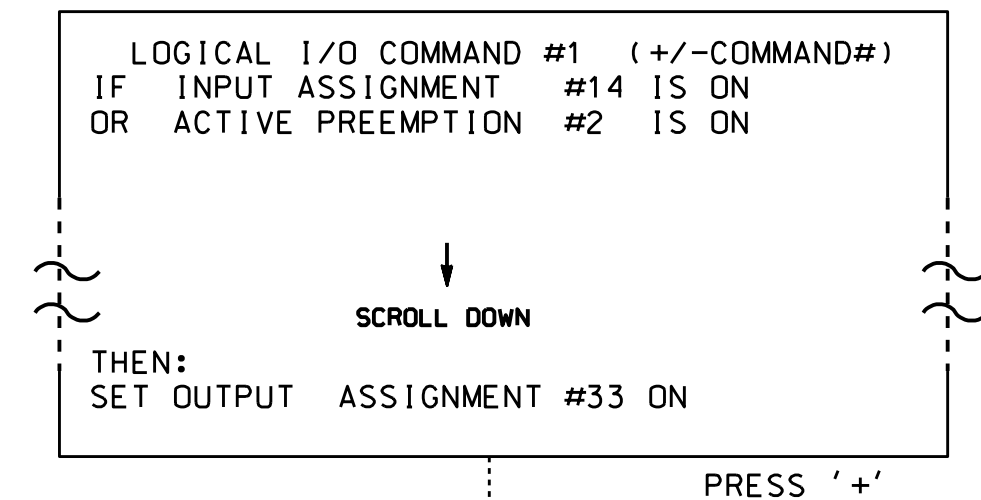


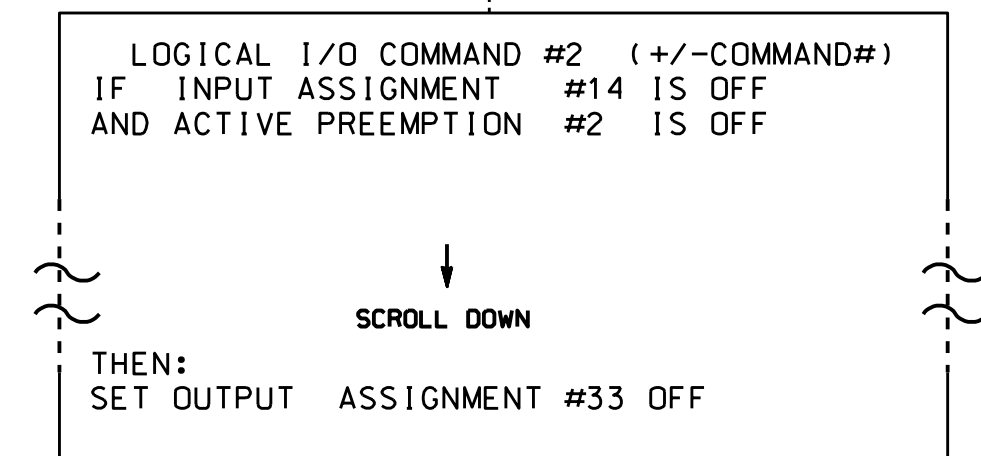
**LOGICAL I/O PROCESSOR PROGRAMMING DETAIL  
FOR FIRE HOUSE LAMP CONTROL**

(program controller as shown below)

- From Main Menu press '2' (Phase Control), then '1' (Phase Control Functions). Scroll to the bottom of the menu and enable Act Logic Commands 1 and 2.
- From Main Menu press '6' (Outputs), then '3' (Logical I/O Processor).



NOTE: FIRE HOUSE PILOT LAMP LOGIC (ON).



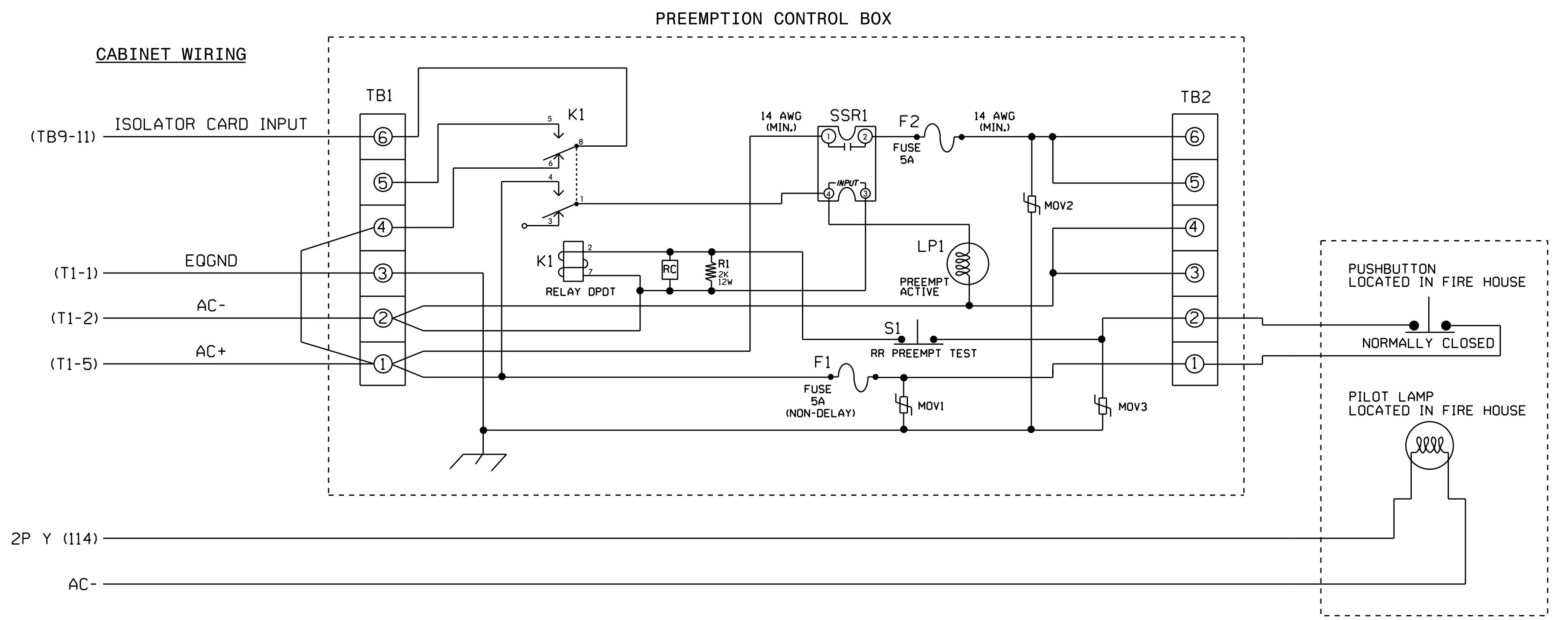
NOTE: FIRE HOUSE PILOT LAMP LOGIC (OFF).

LOGIC I/O PROCESSOR PROGRAMMING COMPLETE

**OUTPUT REFERENCE SCHEDULE**

OUTPUT 33 = Phase 2 PED Yellow  
INPUT 14 = Preempt 2 Input

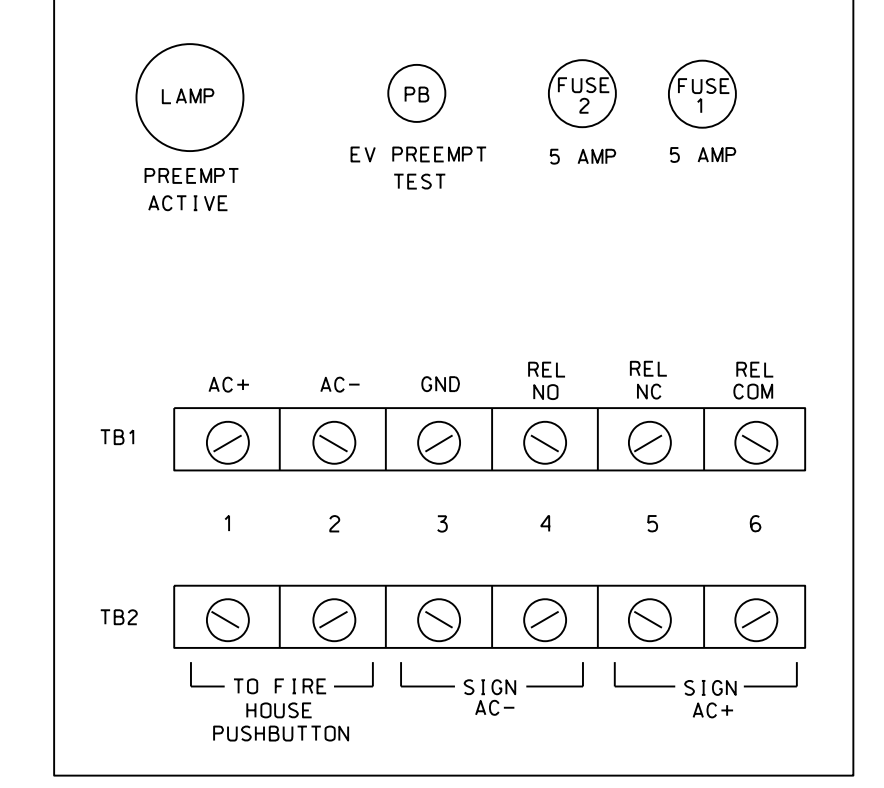
**EMERGENCY VEH. PREEMPTION PUSHBUTTON AND INDICATOR LAMP WIRING DETAIL  
USING PREEMPT CONTROL BOX**



**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!! Terminal TB9-12 (on input panel) shall be connected to AC neutral (jumper may have to be added).

**FRONT VIEW**



PREEMPTION CONTROL BOX

**EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL**

(program controller as shown below)

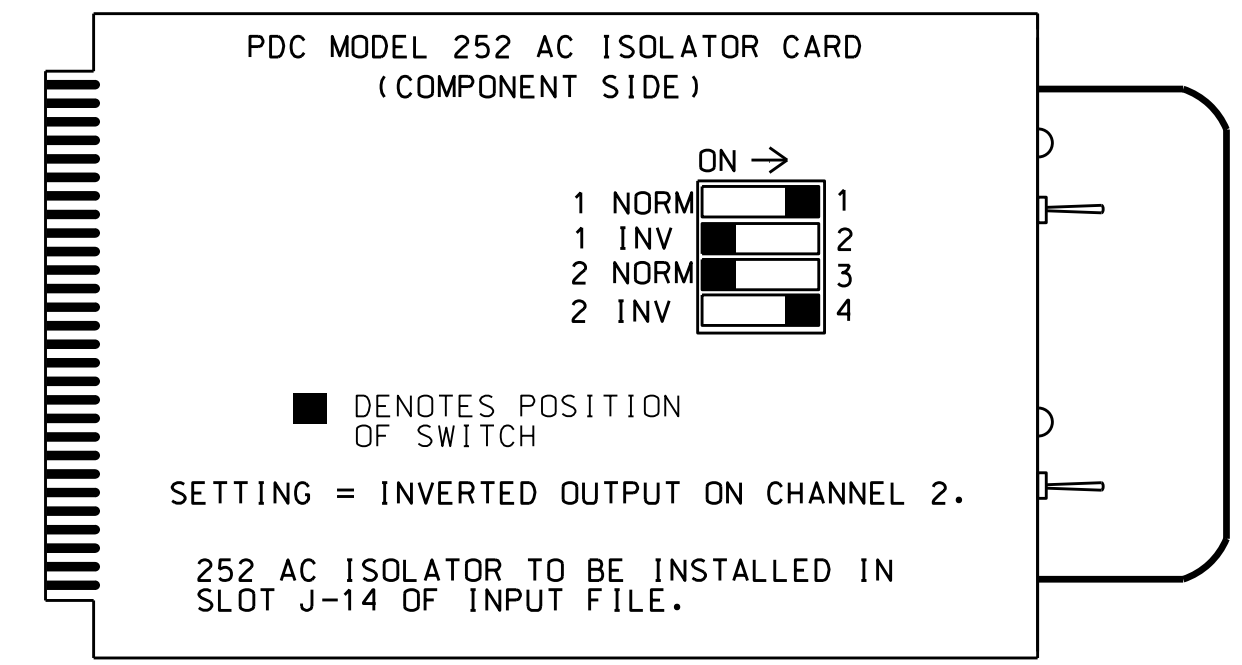
From Main Menu press 'A' (Preemption), then '1' (Standard Preemptions). Press 'NEXT' to advance to Preemption #2.

PREEMPTION #2	SETTINGS (NEXT:1-10)
INTERVAL/TIMING	CLEAR/DWELL PHASES
GRN YEL RED	12345678910111213141516
1 255 0.0 0.0	X
2 0 0.0 0.0	
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)	.....MED
DELAY TIMER (0-255 SEC)	.....5*
MIN GREEN BEFORE PRE (0= DEFAULT)	...1
PED CLEAR BEFORE PRE (0= DEFAULT)	...5
YELLOW CLEAR BEFORE PRE (0= DEFAULT)	...0.0
RED CLEAR BEFORE PRE (0= DEFAULT)	...0.0
DWELL MIN TIMER (0-255 SEC)	.....40*
DWELL MAX TIMER (0=OFF,1-255MIN)	...0
DWELL HOLD-OVER TIMER (0-255)	.....0
LATCH CALL?	.....Y
LINK TO NEXT PREEMPT?	.....N
ENABLE BACKUP PROTECTION?	.....N
HOLD CLEAR 1 PHASES DURING DELAY?	...Y
FAST GREEN FLASH DWELL PHASES?	.....N
PED CLEARANCE THROUGH YELLOW?	.....Y
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?	.....Y
OVERLAPS:	ABCDEFGHIJKLMNOP
DWELL INT FLASH YELLOW	
OMIT OVERLAPS:	

\* Denotes timing to be determined in field.

**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.

Electrical Detail - Sheet 2 of 2

US 25 (Hendersonville Road) at Caribou Road

Division 13 Buncombe County Asheville

PLAN DATE: September 2016 REVIEWED BY: T. Joyce

PREPARED BY: C. Strickland REVIEWED BY:

750 N. Greenfield Pkwy, Garner, NC 27529

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0977  
DESIGNED: February 2016  
SEALED: 9/26/2016  
REVISED:

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 030530  
JACOBARY M. LITTLE

DocuSign by: Jacobary M. Little 9/27/2016  
001EF04F5341F DATE

SIG. INVENTORY NO. 13-0977

26-SEP-2016 14:26 C:\P\T\AS\TIS\Sig\Signal\work\hgr\output\sig\Map\strickland\130977\_sml.e\_xx.e.dgn