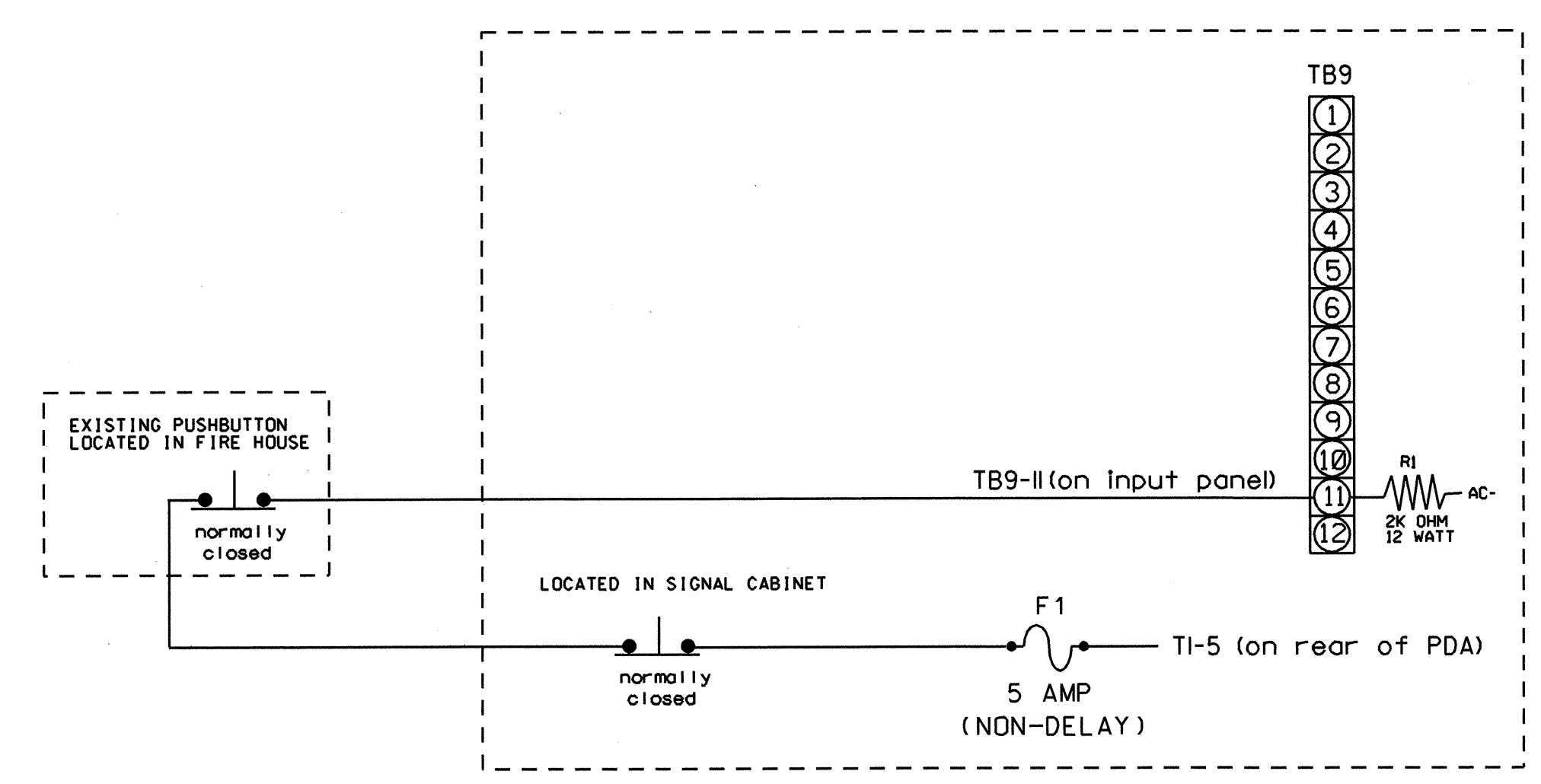


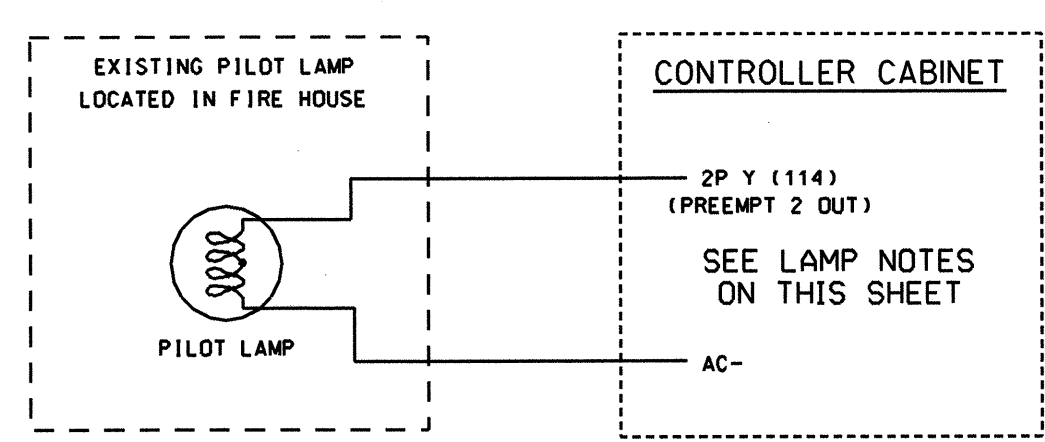
### EMERGENCY VEH. PREEMPTION PUSHBUTTON AND INDICATOR LAMP WIRING DETAIL

(wire push-button and lamp as shown below)



#### IMPORTANT!

MAKE SURE AC ISOLATOR INSERTED IN J14L IS SET FOR INVERTED INPUT.



#### LAMP NOTES

IN ORDER FOR PILOT LAMP IN FIRE HOUSE TO FUNCTION, MAKE THE FOLLOWING PROGRAMMING CHANGES TO OUTPUT NO. 33.

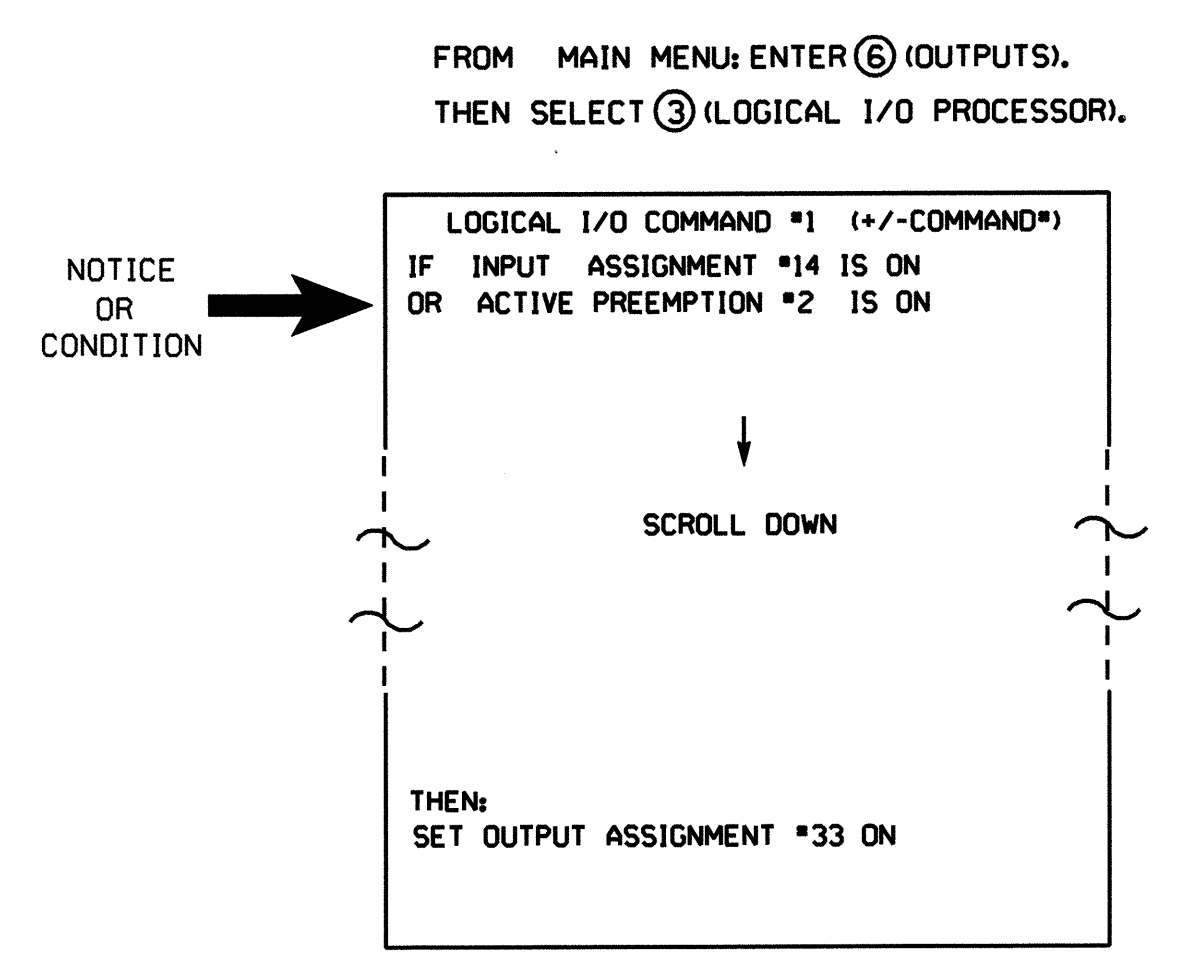
- CHANGE THE FUNCTION OF C1 PIN 35 TO BE AN OUTPUT FOR PREEMPT 2. THIS IS ACCOMPLISHED BY THE FOLLOWING:
  - FROM MAIN MENU SELECT 6 (OUTPUTS). THEN SELECT 1 (OUTPUT ASSIGNMENTS).
  - SCROLL TO C1 PIN 35, OUTPUT NO. 33. YOU WILL SEE THAT IT IS NOT ENABLED.
  - SCROLL DOWN TO PREEMPT AND INPUT 'YES'. YOU WILL THEN BE ASKED FOR A PREEMPT NO. ENTER A '2' HERE.
  - THE OUTPUT IS NOW ASSIGNED FOR PRE-2 OUTPUT.
- IF TERMINAL 114 HAS A CONFLICT MONITOR WIRE CONNECTED, REMOVE, TAPE AND LABEL WIRE.
- MAKE SURE LOAD RESISTORS ARE IN PLACE AS SHOWN IN LOAD RESISTOR INSTALLATION DETAIL ON PAGE 1.
- INSERT LOADSWITCH FOR S2P.

### PROGRAMING LOGICAL I/O PROCESSOR DETAIL

#### NOTE

WHEN PREEMPT DELAY TIMER IS IN USE STEP 1 SHOWN BELOW IS NECESSARY TO ENSURE PILOT LAMP IN FIRE HOUSE WILL ACTIVATE IMMEDIATELY AFTER PUSH BUTTON IS DEPRESSED :

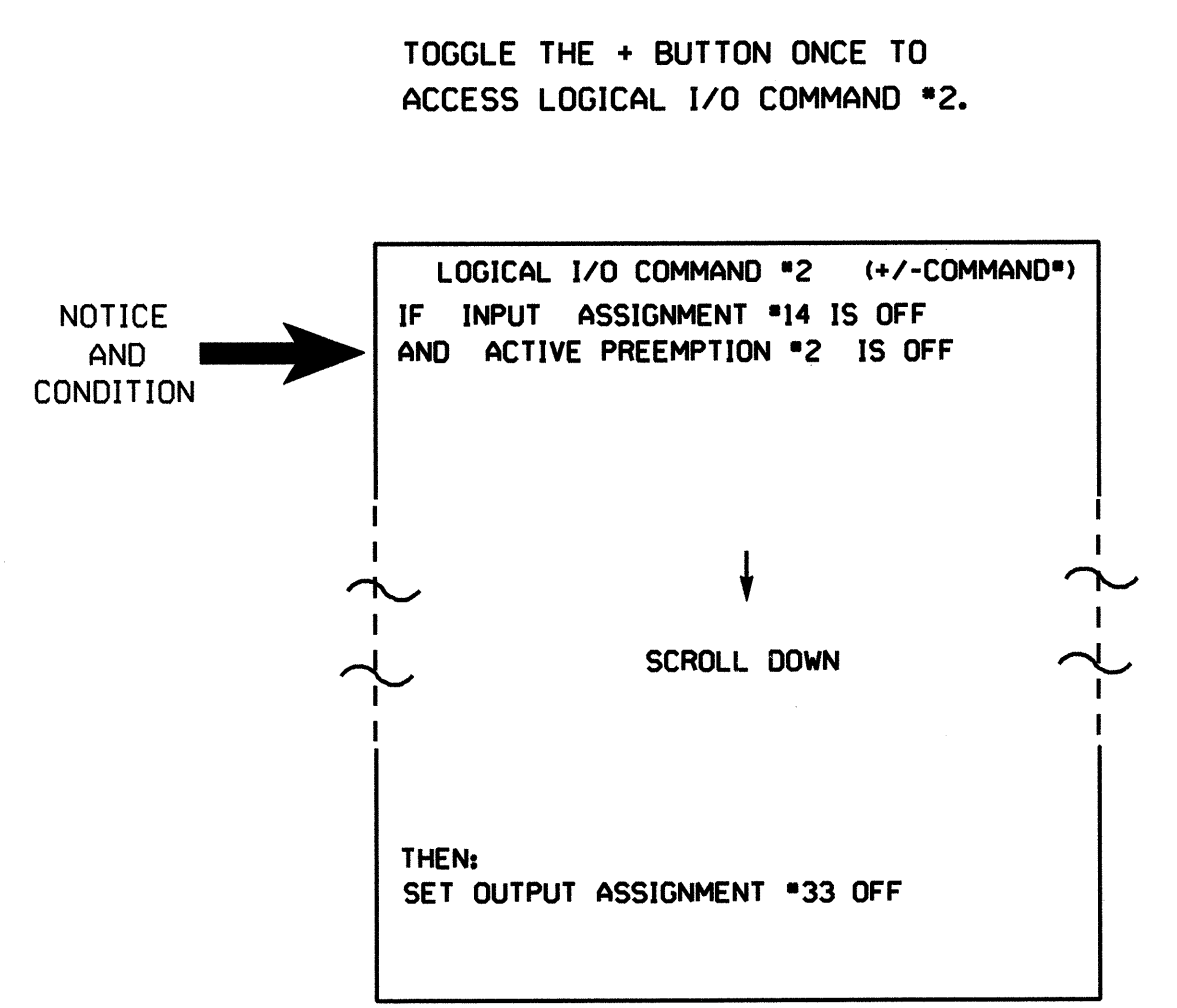
#### STEP 1



#### STEP 2

#### NOTE

IN ORDER FOR PILOT LAMP IN FIRE HOUSE TO DEACTIVATE IMMEDIATELY AFTER ENDING PREEMPTION, PROGRAM THE FOLLOWING:



#### STEP 3

FROM MAIN MENU PRESS '2' (PHASE CONTROL), THEN '1' (PHASE CONTROL FUNCTIONS). SCROLL TO THE BOTTOM OF THE MENU AND ENABLE LOGICAL PROCESSOR (ACT LOGIC 1-16) BY FLAGGING #1 AND #2.

END OF PROGRAM.

### EMERGENCY VEHICLE PREEMPTION PROGRAMMING DETAIL

(program controller as shown below)

FROM MAIN MENU PRESS 'A' (PREEMPTION), THEN '1' (STANDARD PREEMPTIONS). PRESS THE "NEXT" KEY TO ADVANCE TO PREEMPT 2.

| PREEMPTION #2 | INTERVAL/TIMING | SETTINGS (NEXT:1-10) | CLEAR/DWELL PHASES      |
|---------------|-----------------|----------------------|-------------------------|
| 1             | 255 0.0 0.0     |                      | 12345678910111213141516 |
| 2             | 0 0.0 0.0       |                      | X                       |
| 3             | 0 0.0 0.0       |                      |                         |
| 4             | 0 0.0 0.0       |                      |                         |
| 5             | 0 0.0 0.0       |                      |                         |

| EXIT CALLS                               | OPTIONS          |
|--|------------------|
| PRIORITY (Y/N TO SELECT) .....           | MED              |
| DELAY TIMER (0-255 SEC) .....            | *                |
| MIN GREEN BEFORE PRE (0= DEFAULT)....    | 1                |
| PED CLEAR BEFORE PRE (0= DEFAULT)....    | 0                |
| YELLOW CLEAR BEFORE PRE (0= DEFAULT).... | 4.7              |
| RED CLEAR BEFORE PRE (0= DEFAULT)....    | 3.0              |
| DWELL MIN TIMER (0-255 SEC) .....        | *                |
| 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? .....      | N                |
| INHIBIT OVERLAP GREEN EXTENSION? ...     | N                |
| SERVICE DURING SOFTWARE FLASH? .....     | Y                |
| REST IN RED DURING DWELL INTERVAL? ..    | N                |
| FLASH DWELL INTERVAL? .....              | N                |
| ALLOW PEDS IN DWELL INTERVAL? .....      | N                |
| RE-TIME DWELL INTERVAL? .....            | Y                |
| OVERLAPS:                                | ABCDEFGHIJKLMNPO |
| DWELL INT FLASH YELLOW                   |                  |
| OMIT OVERLAPS:                           |                  |

\* DENOTES TIMING TO BE DETERMINED IN FIELD.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 13-0284T2  
 DESIGNED: 04/14/2003  
 SEALED: 02/26/2004  
 REVISED: TBD

TEMPORARY SIGNAL 2 - PHASE II - TCP 29  
 PAGE 2 OF 2

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ELECTRICAL AND PROGRAMMING DETAILS FOR:  
 Prepared for the Offices of:  
  
 122 N. McDowell St., Raleigh, NC 27603

US 25 (HENDERSONVILLE ROAD)  
 AT  
 NC 146 (LONG SHOALS ROAD)

DIVISION 13 BUNCOMBE COUNTY ASHEVILLE  
 PLAN DATE: JULY 2003 REVIEWED BY: J O DEATON  
 PREPARED BY: M W YALCH REVIEWED BY:  
 REVISIONS: INIT. DATE

SEAL  
 NORTH CAROLINA PROFESSIONAL ENGINEER  
 07438  
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 DATE: 02/26/04  
 SIG. INVENTORY NO. 13-0284T2