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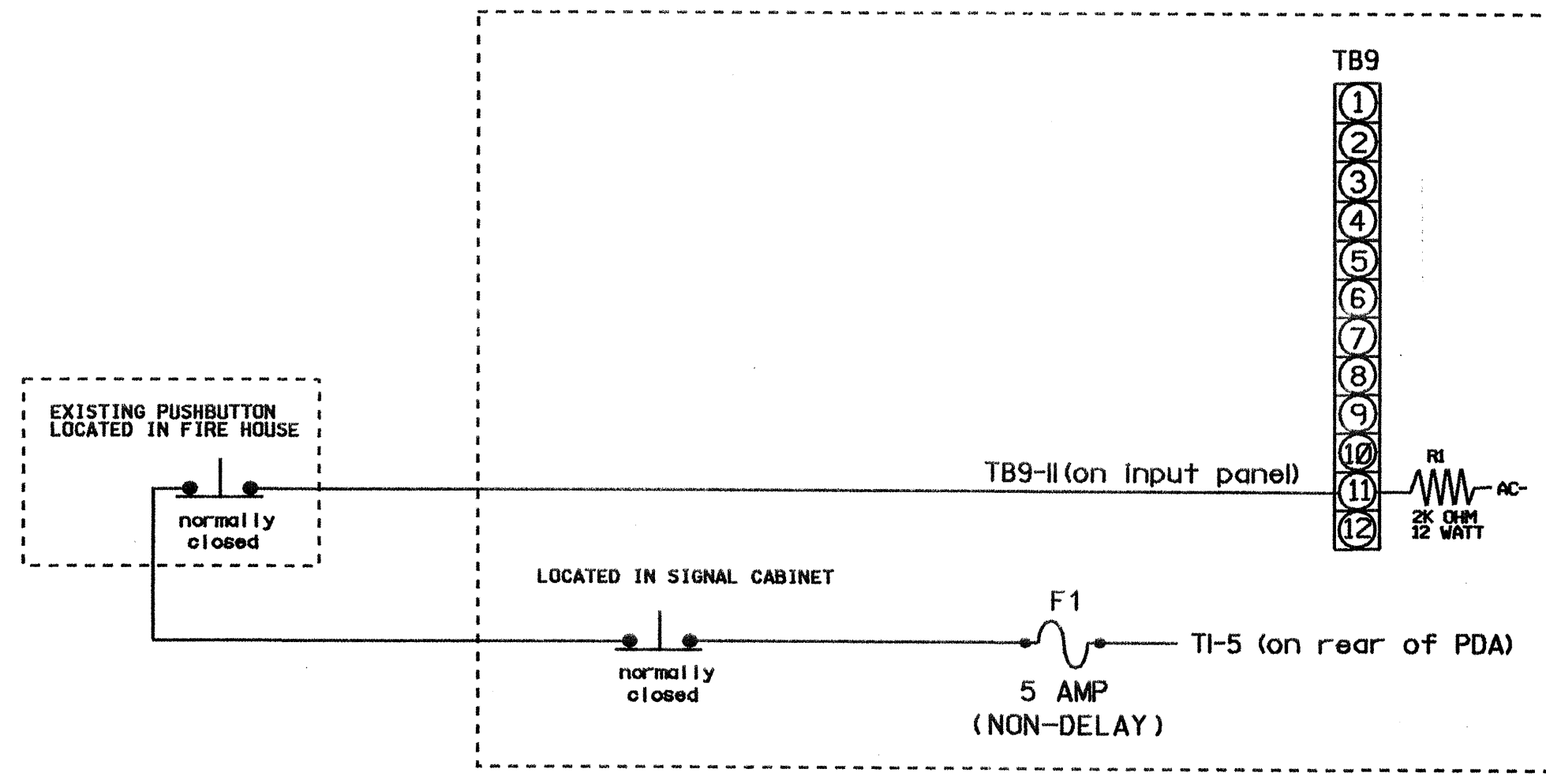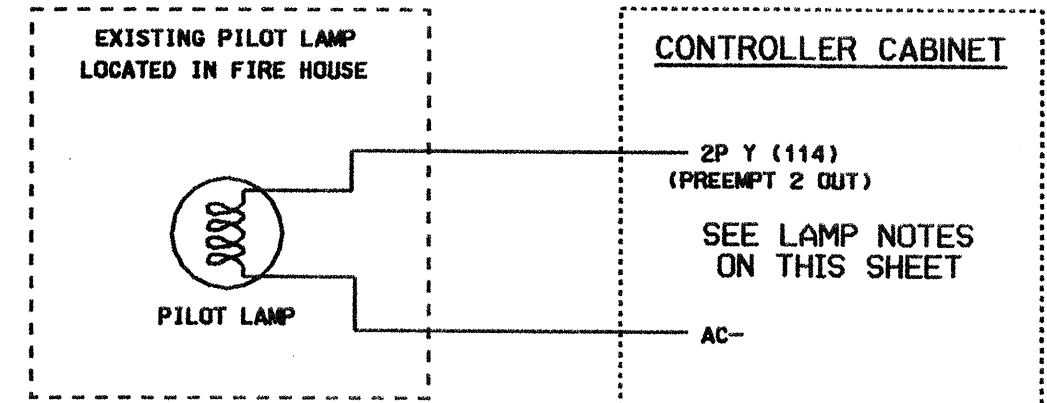## AND INDICATOR LAMP WIRING DETAIL

(wire push-button and lamp as shown below)

TB9
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

EXISTING PUSHBUTTON LOCATED IN FIRE HOUSE

normally closed

TB9-11 (on input panel)

R1
2K OHM 12 WATT
AC-

LOCATED IN SIGNAL CABINET

normally closed

F1
5 AMP
(NON-DELAY)

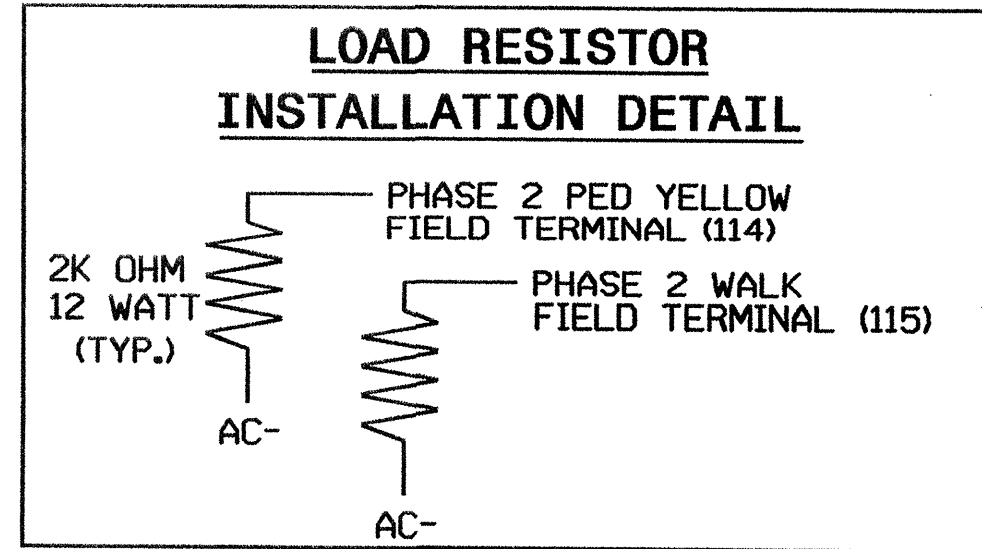T1-5 (on rear of PDA)

IMPORTANT!

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

2. TERMINAL TB9-12B (ON INPUT PANEL) SHALL BE CONNECTED TO AC NEUTRAL (JUMPER MAY NEED TO BE ADDED).

EXISTING PILOT LAMP LOCATED IN FIRE HOUSE

PILOT LAMP

CONTROLLER CABINET

2P Y (114)
(PREEMPT 2 OUT)

SEE LAMP NOTES ON THIS SHEET

AC-

LAMP NOTES

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

1. CHANGE THE FUNCTION OF C1 PIN 35 TO BE AN OUTPUT FOR PREEMPT 2. THIS IS ACCOMPLISHED BY THE FOLLOWING:

   A) FROM MAIN MENU SELECT 6 (OUTPUTS). THEN SELECT 1 (OUTPUT ASSIGNMENTS).

   B) SCROLL TO C1 PIN 35, OUTPUT NO. 33. YOU WILL SEE THAT IT IS NOT ENABLED.

   C) SCROLL DOWN TO PREEMPT AND INPUT 'YES'. YOU WILL THEN BE ASKED FOR A PREEMPT NO. ENTER A '2' HERE.

   D) THE OUTPUT IS NOW ASSIGNED FOR PRE-2 OUTPUT.

2. IF TERMINAL 114 HAS A CONFLICT MONITOR WIRE CONNECTED, REMOVE, TAPE AND LABEL WIRE.

3. MAKE SURE LOAD RESISTORS ARE IN PLACE AS SHOWN IN LOAD RESISTOR INSTALLATION DETAIL.

4. INSERT LOADSWITCH FOR S2P.

LOAD RESISTOR
INSTALLATION DETAIL

2K OHM 12 WATT (TYP.)

PHASE 2 PED YELLOW FIELD TERMINAL (114)

PHASE 2 WALK FIELD TERMINAL (115)

AC-

AC-

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  SETTINGS (NEXT:1-10)
   INTERVAL/TIMING  ;  CLEAR/DWELL PHASES
     GRN YEL  RED   :12345678910111213141516
   1 255  0.0  0.0  :X      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) .............0
   MIN GREEN BEFORE PRE (0= DEFAULT)....4.0
   PED CLEAR BEFORE PRE (0= DEFAULT)....0
   YELLOW CLEAR BEFORE PRE (0= DEFAULT).0.0
   RED CLEAR BEFORE PRE (0= DEFAULT)....0.0
   DWELL MIN TIMER (0-255 SEC) .........30
   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? ...........Y
   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? ......Y
   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:
```

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-1363
DESIGNED: AUGUST 2004
SEALED: 08/13/04
REVISED:

SIGNAL UPGRADE - SHEET 2 OF 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:

Prepared in the Offices of:

122 N. McDowell St., Raleigh, NC 27603

NC 73
AT
SR 1394 (PILOT KNOB ROAD)

DIVISION 12	LINCOLN COUNTY	N. CORNELIUS
PLAN DATE: AUGUST 2004	REVIEWED BY:	
PREPARED BY: JAMES PETERSON	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
022013
GEORGE C. BROWN
ENGINEER

SIGNATURE

SIG. INVENTORY NO. 12-1363