



# L-804 Field Conversion from BRITE Remote Control to Panel Control Installation Instructions

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**ADB Airfield Solutions**

*The innovative  
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# L-804 Field Conversion from BRITE Remote Control to Panel Control

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## 1. Introduction

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This service bulletin provides instructions for installing a retrofit kit to change the L-804 Holding Position Light from BRITE Remote control to panel control.

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## 2. Special Tools and Equipment Required

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The special tools and equipment listed below are required to install the retrofit, but are not supplied with this modification.

- assorted sizes of plain blade and Phillips head screw drivers
- assorted sizes of sockets or wrenches

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## 3. L-804 BRITE Remote Control to Panel Control Retrofit Kit

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Retrofit Kit 94A0317 contains the components listed below.

Description	Part Number	Quantity
L-804 control panel assembly, current driven, 50 Hz/45 W	44D1945-1000, Revision D	1
Screw, 10-32 x ½ in. long, pan head	64A0177-8	4
Flat washer, #10	66A0015-17	4
Lock washer, #10	66A0026-17	4
L-823 cordset without terminals	73A0009-31	1
Service bulletin	ALN094	1

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## 4. Retrofit Kit Installation Instructions

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To convert the L-804 BRITE Remote Control to panel control, perform the following procedure:

1. Remove the L-804 assembly from the L-867 base plate by performing the following procedure.
  - a. Loosen the hex compression nut at the top of the frangible coupling.
  - b. Lift the L-804 assembly and remove it from the frangible coupling.

**NOTE:** Just enough slack in the L-823 power cord exists to allow you to pull on the 4-pin L-823 cordset and disconnect it from the L-830 secondary cable located in the light base.

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**4. Retrofit Kit Installation**  
**Instructions** (*contd.*)

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- c. Remove the frangible coupling from the light base.
    - d. Save the coupling and the hex compress nut.
  2. Remove the BRITE Remote Controller from the light base by performing the following procedure:
    - a. Remove the 6 bolts that fasten the L-867 base plate to the in-ground light base.
    - b. Lift the base plate from the light base.
    - c. Reach in and push the wiring harness upward until the cable clamp can be removed from the harness. Save the cable clamp.
    - d. Disconnect the BRITE Remote from the L-830 transformer and remove the BRITE Remote and wiring harness from the light base. Leave the transformer in the light base.
    - e. Position the L-867 base plate over the light base so that the secondary cordset from the transformer can be inserted into the center hole of the base plate.
    - f. Insert the secondary plug into the hole in the base plate and reinstall the cable clamp.
  3. Install the internal control panel assembly into the L-804 enclosure by performing the following procedure:
    - a. Remove each of the screws located in the corners of the enclosed lid and lift the lid off of the enclosure. Save all screws.
    - b. Locate and remove the two screws that hold the lamp bar assembly in place. After lifting the lamp bar from the mounting brackets, reach in and disconnect the leads from both lamp sockets and remove the lamp bar.
    - c. Remove the 4-pin L-823 cordset from the enclosure by cutting off the terminal disconnects from the end of the leads. Pull the cordset through the adjustable joint. Discard the cordset.

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**4. Retrofit Kit Installation**  
**Instructions** (*contd.*)

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4. Install the internal control panel by performing the following procedure:
  - a. Install the new 2-pin L-823 cordset in reverse direction, just as you did when you removed the 4-pin cordset.
  - b. Lay the enclosure on its back and insert the control panel, with the terminal blocks pointing to the bottom of the box.
  - c. Using the four supplied mounting screws, fasten the control panel to the mounting standoffs found on the back of the box.
  - d. Connect the new cordset and lamp leads to the control panel (see Figures 1 and 2 located at the end of this service bulletin).
  - e. Replace the lamp bar and connect the lamp leads to the two lamps from the terminal block (see Figures 1 and 2 located at the end of this service bulletin). Position the lamp bar against the brackets and fasten them in place with mounting screws.
  - f. Inspect the reflectors and remove dust by using compressed air and then wipe with a soft damp cloth. Lamps may be wiped with soft cloth dampened with isopropyl alcohol. Clean the exterior and internal surfaces of the yellow lens with soft cloth dampened with water.
  - g. Reinstall the lid and fasten in place with saved hardware.
  - h. Power up the assembly and verify that the lamps are on and are flashing. If the lamps are operating properly, reinstall the front access lid. If the lamps are not operating correctly, troubleshoot the circuit and make necessary adjustments or repairs.
5. Reinstall converted L-804 assembly to base plate. Conversion of L-804 BRITE Remote Control to panel control is complete.
6. Energize the circuit and confirm the operation of the unit. If the unit does not work, then troubleshoot the circuit and make necessary adjustments or repairs.

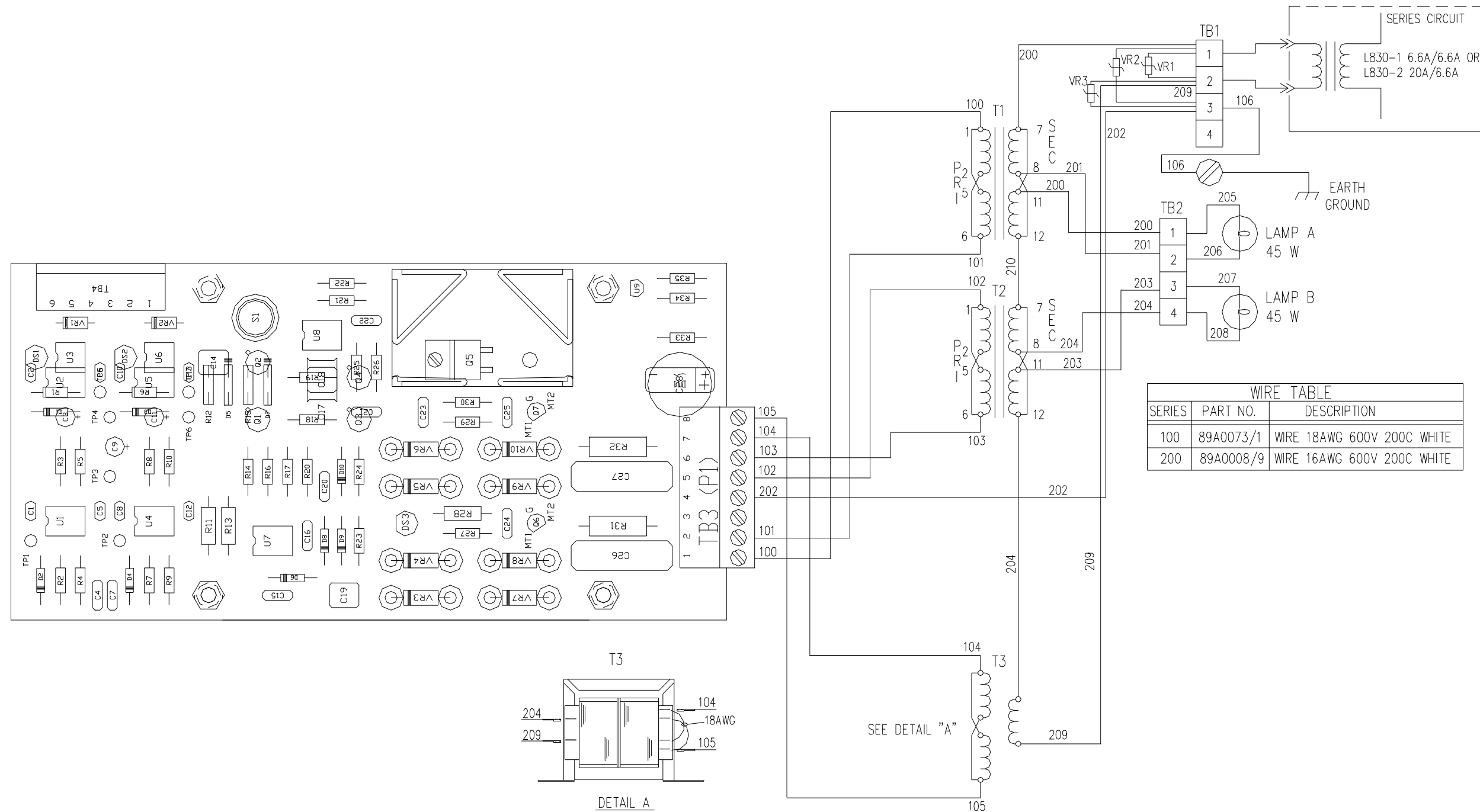


Figure 1. L-804 Wiring Schematic

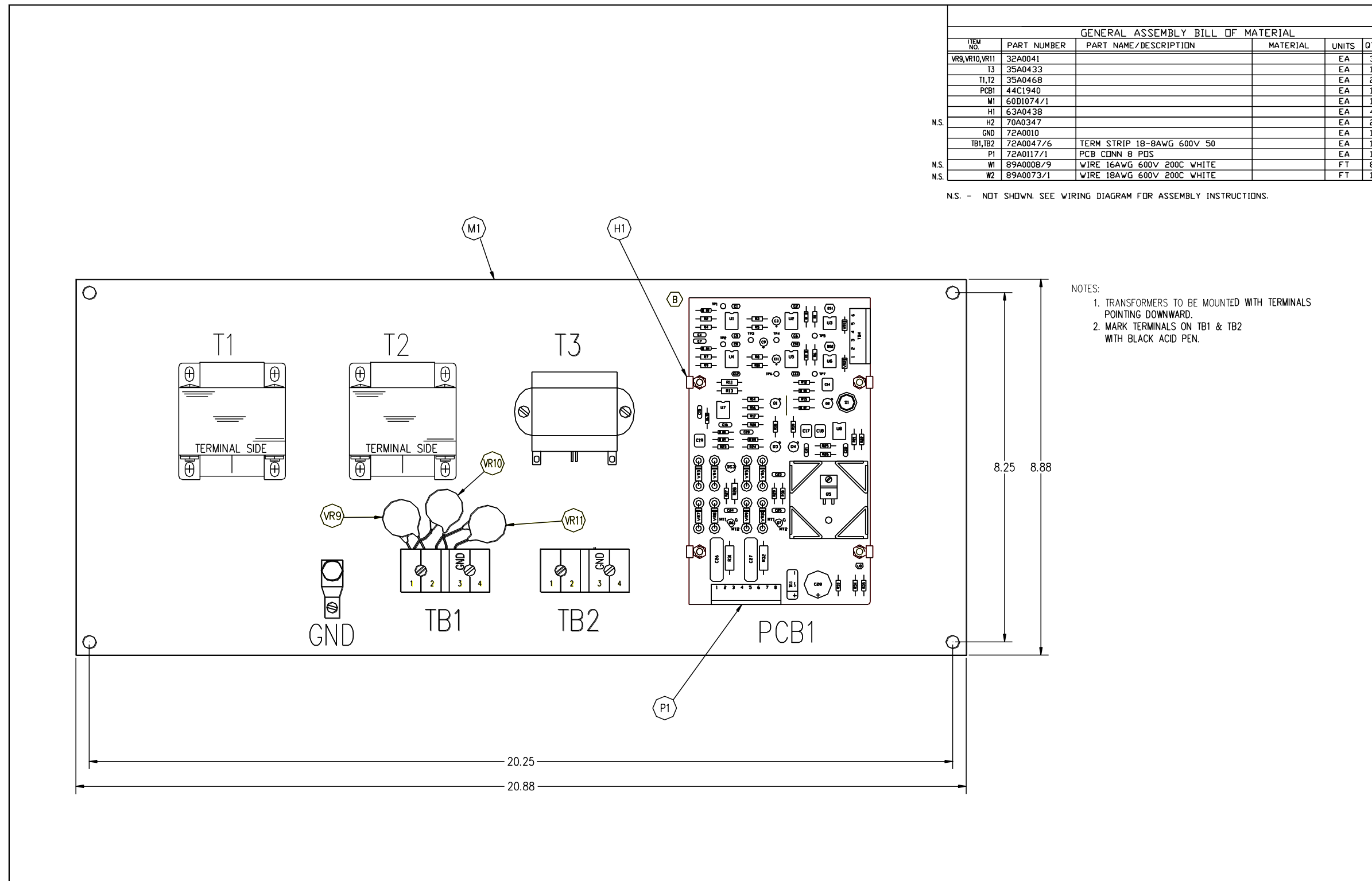


Figure 2. L-804 Control Panel Assembly (Current Driven -- 50 Hz/45 W)