

## INSTALLATION INSTRUCTIONS

Original Issue Date: **10/96**

Model: **20-180ROZJ (John Deere Powered FAA CLINS 8-19)  
200-750ROZD (Detroit Diesel Powered FAA CLINS 20-39)**

Market: **Industrial**

Subject: **Load Bank Control Relay Kit PA-352278**

The load bank control relay 1) prevents overloading of the generator set in the manual mode if there is a power interruption and the transfer switch transfers power to the generator set, and 2) prevents the manual load switches from backfeeding in the event that the automatic switch is engaged. Observe the following safety precautions when installing the kit.



### WARNING

**Accidental starting.  
Can cause severe injury or death.**

Disconnect battery cables before working on generator set (disconnect negative lead first and reconnect it last).

**Disabling generator set. Accidental starting can cause severe injury or death.** Turn generator set master switch to OFF position, disconnect power to battery charger, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on the generator set or connected equipment. The generator set can be started by an automatic transfer switch or remote start/stop switch unless these precautions are followed.

**Short circuits. Hazardous voltage can cause severe injury or death.** Short circuits can cause bodily injury and/or equipment damage. Do not contact electrical connections with tools or jewelry while adjustments are made. Remove wristwatch, rings, and jewelry before servicing equipment.

## Installation

1. Place the generator set master switch in the OFF position.
2. Disconnect the generator set engine starting battery(ies), negative (-) lead first.
3. Wire the load bank control relay between the load bank and the load bank control. A two-wire connection to the automatic transfer switch auxiliary contact is also required (auxiliary contact closes when switch is in the emergency position). Wire single-phase generators with unit mounted load banks according to Figure 1. Wire three-phase generators with unit mounted load banks according to Figure 2. Wire three-phase generators with pad mounted load banks (outdoor) according to Figure 3.

### NOTE

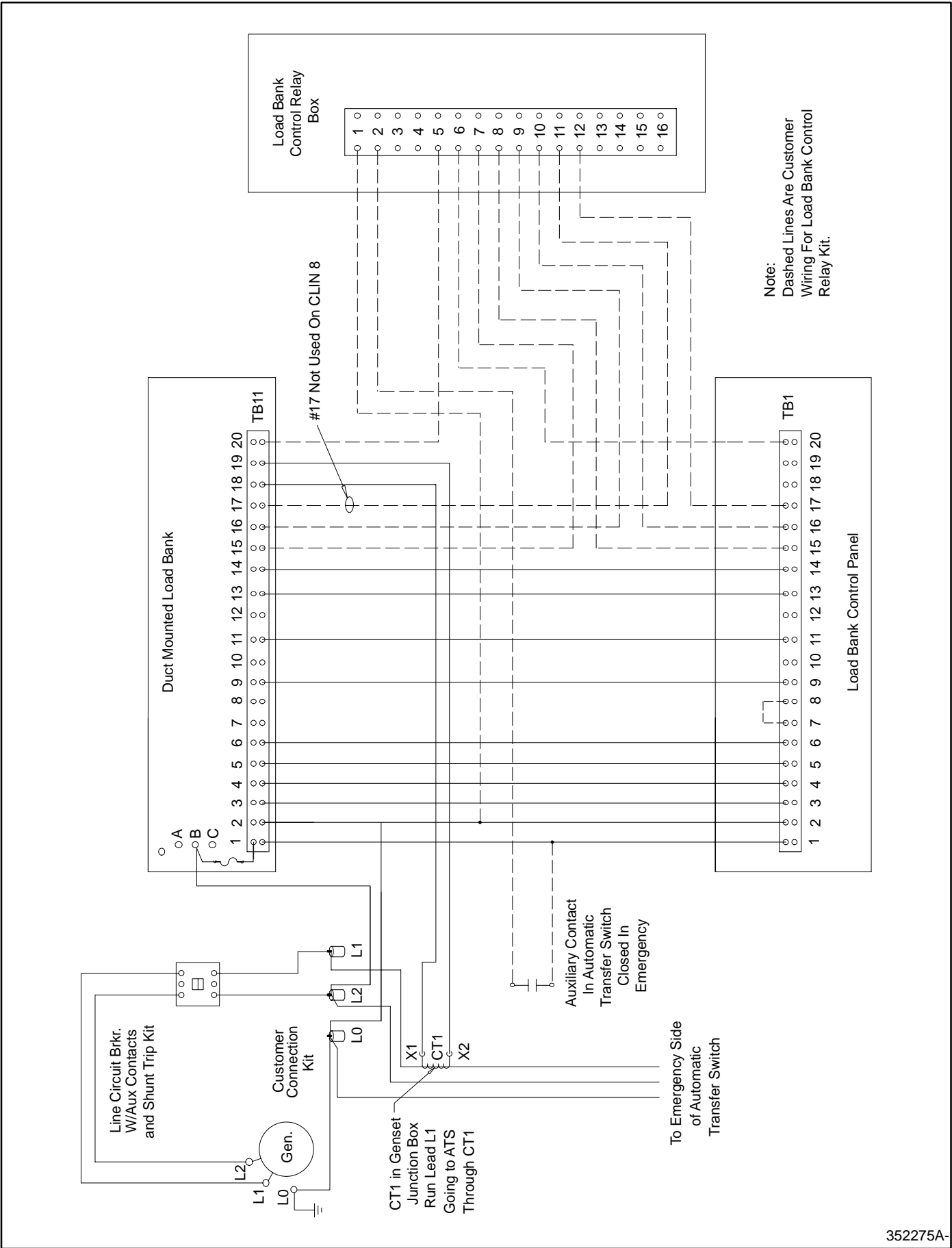
Observe applicable local, state, and national electrical codes when installing the load bank control relay and related accessories.

4. Check that the generator set master switch is in the OFF position.

5. Reconnect generator set engine starting battery(ies), negative (-) lead last.

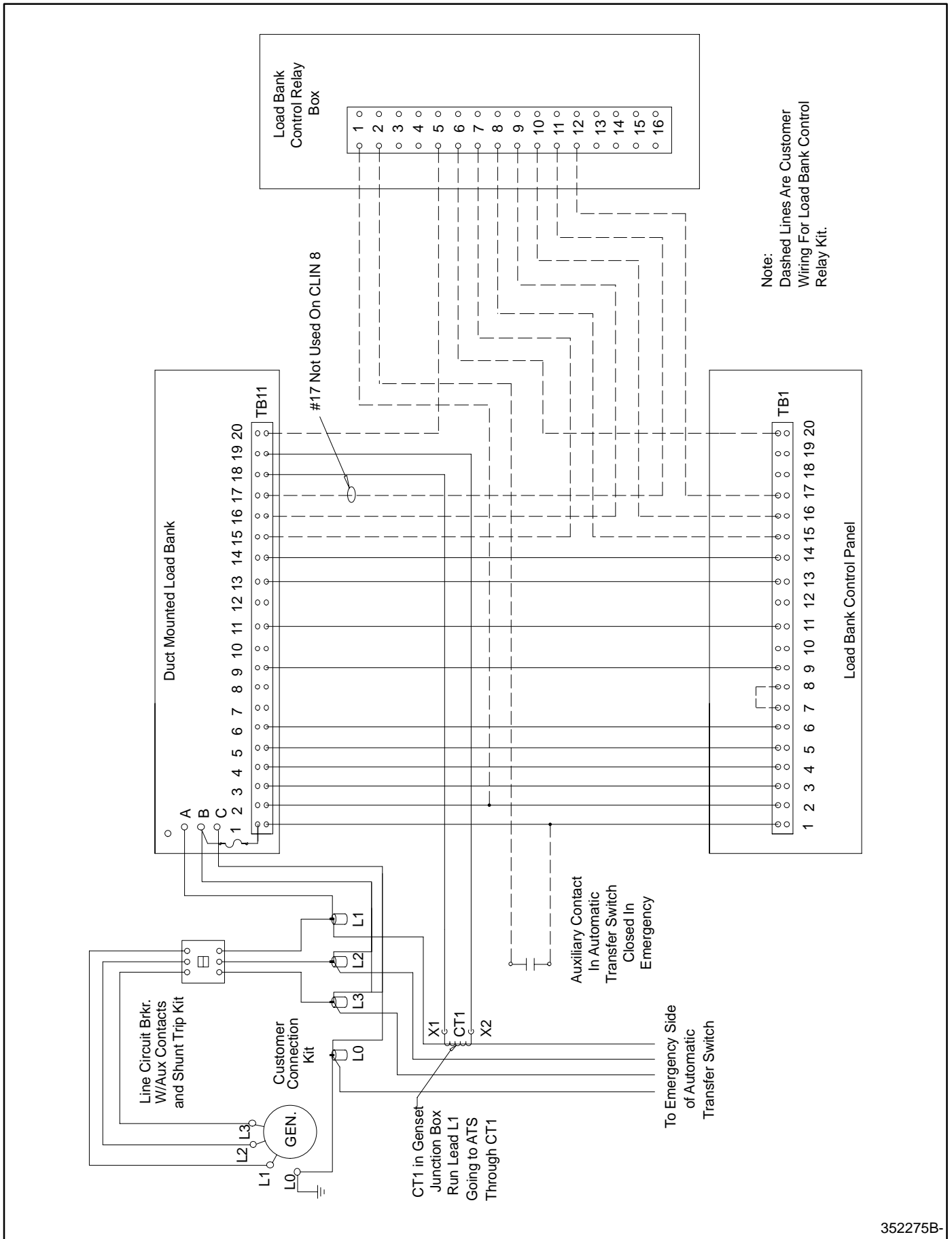
### Load Bank Control Relay Kit

Parts List		
Kit: PA-352278		
Qty.	Description	Part Number
1	Relay, load bank control (includes *)	A-352273
3	*Lead	LW-1403
1	*Lead	LW-1404
1	*Lead	LW-1405
2	*Lead	LW-1406
7	*Lead	LW-1408
2	*Washer, plain	X-25-65
1	*Washer, plain	X-25-79
1	*Socket	X-6124-4
1	*Rail, mounting	X-6336-5
1	*Track, mounting	X-6355-2
2	*Rivet, pop .187 dia.	X-781-11
2	*Rivet, pop .156 dia.	X-782-1
1	*Enclosure	352272
1	*Relay, control	352274
1	*Relay, control	352276



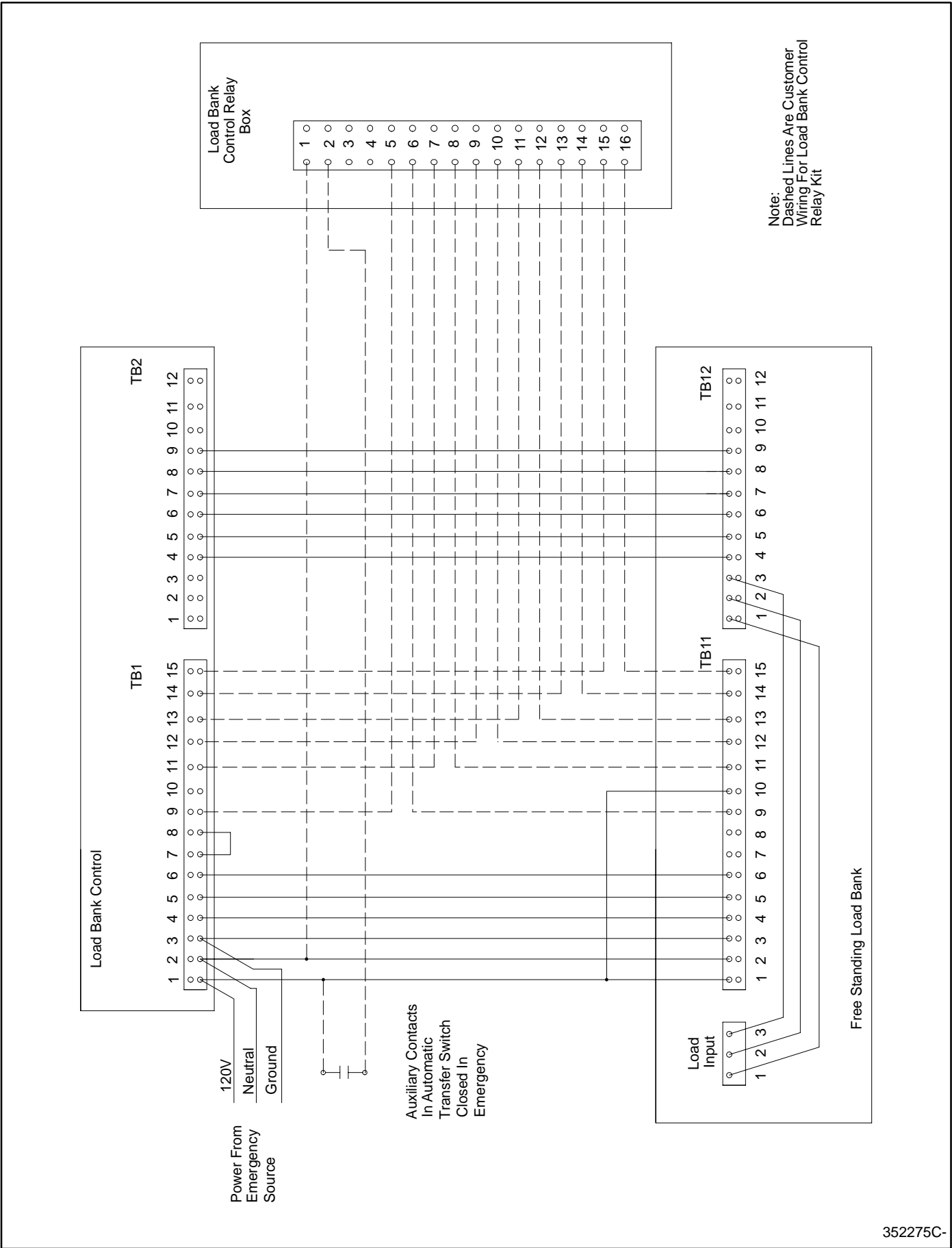
352275A-

Figure 1. Single-Phase Load Bank Wiring



352275B-

Figure 2. Three-Phase Load Bank Wiring



352275C-

Figure 3. Three-Phase Free Standing Load Bank Wiring