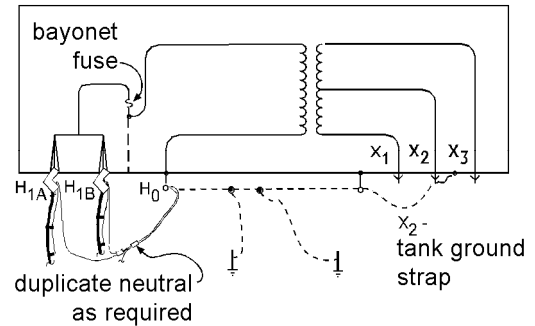
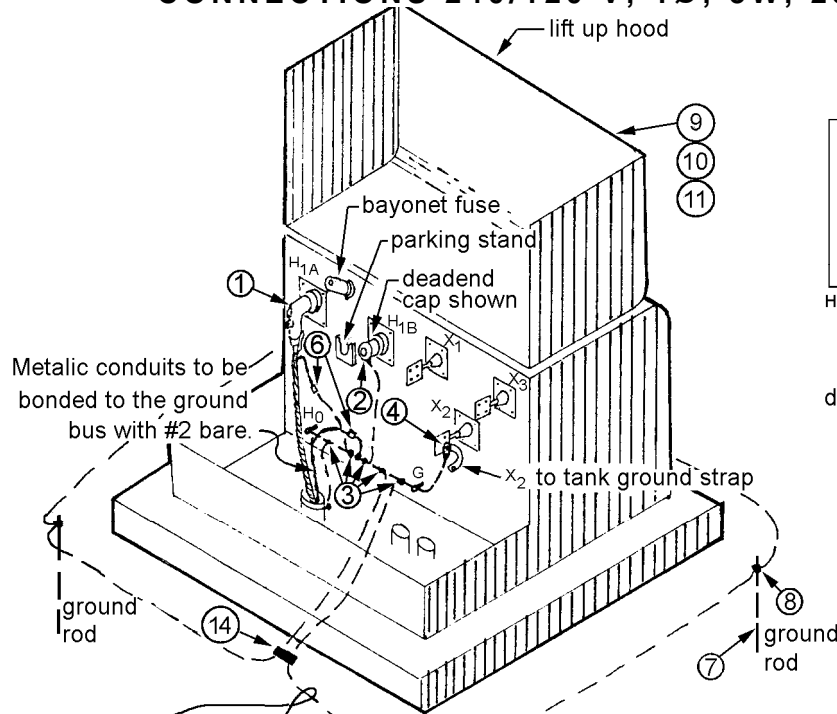


PADMOUNT TRANSFORMER INSTALLATION, GROUNDING AND CONNECTIONS 240/120 V, 1Ø, 3W, 25 THROUGH 167 kVA



Connect neutrals together before connecting to H₀ bushing and make only one connection from the neutrals to the H₀ bushing.

All grounding and ground bus to be #2 stranded bare soft drawn copper (item 5). Ground bus must form complete rectangle as shown. If grounding is under concrete or asphalt, all connections shall be done by exothermic welding (Cadweld or better).

Ground rods shall test to 25 ohms or less.

The pad shall be located so that the closest edge of the pad will be 10' minimum from combustible buildings and all exterior doors and windows, and 3' minimum from non-combustible buildings.

Material List

| Item | Quantity | Stock No. | Description | Matl. Std. |
|------|--------------|-------------|--|------------|
| 12 | 1 | as required | TRANSFORMER, padmount, 1 Ø, kVA size as required | - |
| 1 | 1 or 2* | 686416 | ELBOW, deadbreak, 15.2 kV L-G | 6864.0 |
| 2 | 0 or 1* | 686411 | CAP, deadbreak, 15.2 kV L-G | none |
| 3 | 6 | 677326E | CONNECTOR, crimpet, #2 to #2 | 6773.5 |
| 4 | 1 | 677071E | TERMINAL, compression Lug, #2 | 6770.7 |
| 5 | 10' or 50' * | 610434 | WIRE, #2, bare Cu, soft drawn | 6103.9 |
| 6 | 1 or 2* | 677357E | SPLICE, compression, #2 to #2 | 6773.8 |
| 7 | 0 or 2* | 564238E | ROD, ground, 5/8" x 8', Cu clad | 5642.1 |
| 8 | 0 or 2* | 564012E | CLAMP, ground rod, 5/8" to #2 | 5640.3 |
| 9 | 1 | 765181 | SIGN, "Danger High Voltage" | 7651.10 |
| 11 | 1 | 765255E | LABEL, "Call Before You Dig" | none |
| 13 | 4 to 8 | 735805E | STRAP, plastic tie, 7" | 7358.1 |
| 14 | 1 | 669379E | TAP, two-bolt parallel, #2 to #2/0 | 6693.7 |

* Quantity will vary depending upon: 1) Radial or loop feed, and 2) Previous installation of ground rods and bus.

standards coordinator
Cer

Curtis Lu

standards manager
Goldshield

John Shipek

unit director
Pamela S. Johnson

Pamela S. Johnson