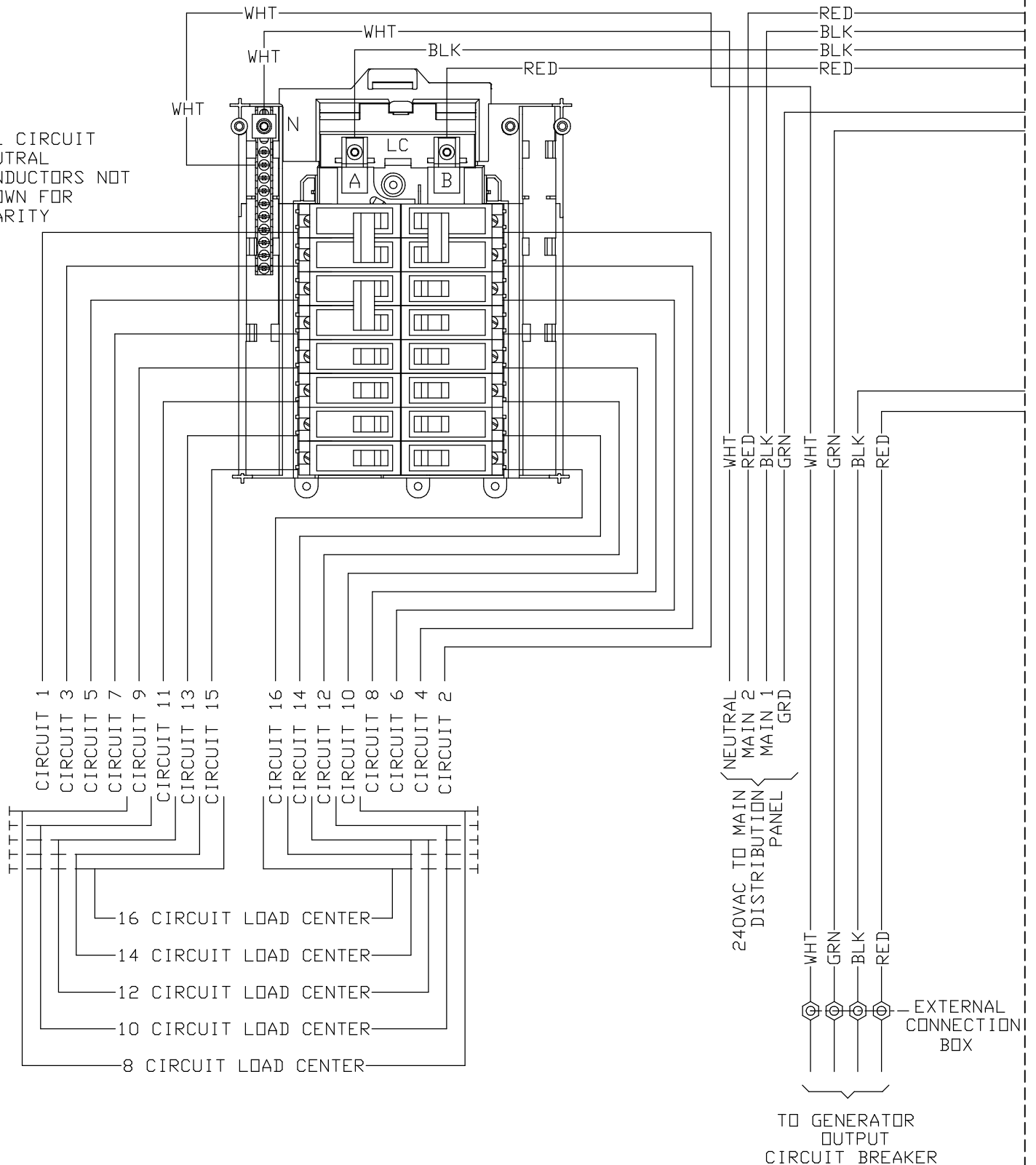


ALL CIRCUIT
NEUTRAL
CONDUCTORS NOT
SHOWN FOR
CLARITY



The diagram illustrates the electrical wiring for a generator control panel. It shows the following components and their interconnections:

- External Connection Box:** Provides input lines labeled N1, N2, T1, 194, and 23. These lines pass through fuses F1, F2, and F3.
- Fuses:** F1, F2, and F3 are 5A, 600V fuses protecting the main power lines.
- Transfer Relay (TR1):** A relay with multiple contacts (1, 3, 4, 6, 7, 9) and terminals A and B. It is connected to the main power lines and the generator control panel.
- Coils and Rectifiers:** C1 (Utility Coil & Rectifier) and C2 (Generator Coil & Rectifier) are connected to the main power lines and the transfer relay.
- Switches:** SW1 (Automatic Transfer Switch), SW2, and SW3 (Limit Switches) are used to control the flow of power between the utility and the generator.
- Terminal Strip (TB1):** A strip of terminals used for connecting the various wires to the control panel.
- Wiring Details:** The diagram shows numerous wires with labels such as N1A, N2A, T1A, 126, 205, E1, E2, 194, and 23. These wires connect the external connection box, the transfer relay, the fuses, the switches, and the coils to the control panel.

LEGEND

- C1-UTILITY COIL & RECTIFIER
- C2-GENERATOR COIL & RECTIFIER
- F1, F2, F3-5A, 600V FUSE
- LC-CIRCUIT BREAKER (LOADS)
- (16 CIRCUIT SHOWN FOR REFERENCE ONLY)
- N-NEUTRAL
- SW1-AUTOMATIC TRANSFER SWITCH
- SW2, SW3-LIMIT SWITCHES
- TB1-TERMINAL STRIP
- TR1-TRANSFER RELAY

WIRING - DIAGRAM
HSB TRANSFER SWITCH
DRAWING #: 0H6385