



TO LOAD SOURCE
 3614 3PH 3W 3L
 240V 3Ø 60HZ
 180.5A @ 150KVAR
 480V/3Ø 60HZ

LOAD BANK WIRING COLOR CODED AS FOLLOWS:
 ALL AC CONTROL WIRE:
 LINE - BLACK
 COMMON/NEUTRAL - WHITE
 COIL JUMPERS:
 LINE - RED
 COMMON/NEUTRAL - BLUE
 ALL AC POWER WIRING:
 A PHASE, LINE 1 - BLACK
 B PHASE, LINE 2 - RED
 C PHASE, LINE 3 - BLUE
 ALL DC CONTROL WIRING:
 POSITIVE - RED WITH A WHITE STRIPE
 NEGATIVE - BLACK WITH A WHITE STRIPE
 ALL DC POWER WIRING:
 POSITIVE - RED WITH YELLOW TAPED END
 NEGATIVE - BLACK WITH YELLOW TAPED END
 ALL WIRES ATTACHED TO LOAD BANK GROUND - GREEN
 ALL LOAD STRAPPING - WHITE

SEE FURTHER CONNECTIONS ON CAPACITIVE LOAD SECTION 2

NOTE:
 1. UNIT MUST BE GROUNDED FOR OPERATOR SAFETY
 2. LOAD WIRE SIZE AS FOLLOWS:
 3.75KVAR - 20.00KVAR STEPS: #12AWG, 200°C
 30.00KVAR - 30.00KVAR STEPS: #8AWG, 150°C
 FROM CONTACTORS TO BUS BAR
 FROM CONTACTORS TO CAPACITORS #10AWG, 150°C
 ALL JUMPERS BETWEEN CAPACITORS #12AWG, 150°C

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DISK S./N.: 4221

REVISED WIRE SIZE NOTE

5-5-99

SIMPLEX SPRINGFIELD, ILLINOIS

SCALE: DATE: 3/1/99 APPROVED BY: DRAWN BY: GB

INDUCTIVE/CAPACITIVE LOAD BANK MARS-250/150KVAR
 250KVAR, 240/480V, 3Ø, 60HZ CAPACITIVE LOAD
 150KVAR, 240/480V, 3Ø, 60HZ SECTION 1 OF 2

REVISIONS:
 W.O. # 35159-99-43 DRAWING NUMBER 47B98940A