



- NOTES:**
1. MAGNUM ENERGY AND COTEK SPECIFY 150 AMP FUSE WITH # 2 WIRE SIZE
  2. DID NOT USE SOLAR BATTERY TEMP. SENSOR SINCE BATTERY & CONTROLLER ARE SAME TEMP.
  3. THE 80/20 ALUMINUM FRAME WORK IS GROUNDED TO THE CHASSIS AT ONE LOCATION.
  4. CHARGER WILL BE SET FOR 100% OF THE 50 AMP MAX. OUTPUT. CHARGE RATE IS 50 AMPS.
  5. 40% DISCHARGE OF 255 Ah BATTERY IS 102 Ah THAT NEED TO BE REPLENISHED. 102/50 = 2 HOURS/.85 EFF. = 2.4 HRS
  6. 255 Ah BATTERY IS CHARGED BY 1000 WATT MAGNUM INVERTER/CHARGER OR MORNINGSTAR SOLAR CONTROLLER
  7. THE MAGNUM BATTERY TEMPERATURE SENSOR PLUGS INTO THE ACCESSORY PORT ON THE 1000 W HOUSE INVERTER
  8. A PHONE SPLITTER IS REQUIRED IN HOUSE INVERTER REMOTE PORT. BOTH ME-BMK AND ME-RC PLUG INTO REMOTE PORT
  9. 12 VOLT HOUSE SYSTEM IS NOT GROUNDED TO CHASSIS
  10. REFRIGERATOR HAS WHITE WIRE AS POSITIVE AND BLACK IS NEGATIVE. (CONFIRM ON VITRIFRIGO)
  11. ON 12 VOLT WIRING BLACK IS POSITIVE AND WHITE IS NEGATIVE UNLESS NOTED OTHERWISE
  12. ON LED LIGHTS RED IS POSITIVE AND BLACK IS NEGATIVE SO RED TO CORD BLACK AND BLACK TO CORD WHITE
  13. 36" x 60" ELECTRO WARMTH HEATING PAD IS 6.2 AMPS MAX.
  14. DID NOT USE THE GROUND TERMINAL ON MAGNUM CASE. FEET ARE BOLTED TO 80/20 AND 80/20 IS GROUNDED
  15. 15 AMP SHORE POWER CIRCUIT BREAKER ON BACK OF CONTROL PANEL
  16. THERE ARE THREE WAYS TO HEAT THE SHOWER WATER. SHORE, VEHICLE INVERTER "SHORE" OR FROM HOUSE BATTERY.

**ORTON DESIGN**

P.O. Box 480 Occidental CA 95465

ORTON  
11-12-15  
1 1/2" = 1'

147.6" WB TRANSIT  
ELECTRICAL DIAGRAM

REVISED

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