



- NOTES:**
- MAGNUM ENERGY AND SAMLEX SPECIFY 150 AMP FUSE WITH # 2 WIRE SIZE
 - DID NOT USE SOLAR BATTERY TEMP. SENSOR SINCE BATTERY & CONTROLLER ARE SAME TEMP.
 - THE 80/20 ALUMINUM FRAME WORK IS GROUNDED TO THE CHASSIS AT ONE LOCATION
 - SHORE POWER CHARGER IS SET FOR 80% OF THE 50 AMP MAX. CHARGE RATE. CHARGE RATE OF 40 AMPS.
 - SOLAR IS PRIMARY METHOD OF CHARGING HOUSE BATTERY. VEHICLE POWERED INVERTER IS THE BACKUP.
 - 255 AH BATTERY IS CHARGED BY 1000 WATT MAGNUM INVERTER/CHARGER OR MORNINGSTAR SOLAR CONTROLLER
 - THE MAGNUM BATTERY TEMPERATURE SENSOR PLUGS INTO THE ACCESSORY PORT ON THE 1000 W HOUSE INVERTER
 - A PHONE SPLITTER IS REQUIRED IN HOUSE INVERTER REMOTE PORT. BOTH ME-BMK AND ME-RC PLUG INTO REMOTE PORT
 - 12 VOLT HOUSE SYSTEM IS NOT GROUNDED TO CHASSIS
 - REFRIGERATOR HAS WHITE WIRE AS POSITIVE AND BLACK IS NEGATIVE (CONFIRM ON VITRIFRIGO)
 - ON 12 VOLT WIRING BLACK IS POSITIVE AND WHITE IS NEGATIVE UNLESS NOTED OTHERWISE
 - ON LED LIGHTS RED IS POSITIVE AND BLACK IS NEGATIVE SO RED TO CORD BLACK AND BLACK TO CORD WHITE
 - DID NOT USE GROUND TERMINAL ON MAGNUM OR SAMLEX CASES. FEET ARE BOLTED TO 80/20 AND 80/20 IS GROUNDED
 - 36" x 60" ELECTRO WARMTH HEATING PAD IS 6.2 AMPS MAX
 - TWO POLE 15 AMP SHORE POWER CIRCUIT BREAKER BETWEEN THE TWO SELECTOR SWITCHES
 - THERE ARE THREE WAYS TO HEAT THE SHOWER WATER: SHORE, VEHICLE INVERTER "SHORE" OR FROM HOUSE BATTERY.
 - THE MAGNUM INVERTER WILL USE 6% OF THE 255 AMP-HR BATTERY IF LEFT ON OVERNIGHT
 - SWITCHES WITHOUT LIGHT ARE COLE-HERSEE # 56027-01-BP AND SWITCHES WITH LIGHT ARE 56327-01-BP.

ORTON DESIGN

147.6" WB TRANSIT	
ORTON	ELECTRICAL DIAGRAM
11-12-15	
1 1/2" = 1'	

HOUSE INVERTER

IF SHORE POWER IS AVAILABLE INVERTER HAS TRANSFER SWITCH THAT CONNECTS SHORE POWER TO DUPLX PLUGS

REFRIGERATOR AUTOMATICALLY SWITCHES TO 120 VOLT POWER IF IT IS AVAILABLE