FIELD HOOK UPS (REQUIRED)
1. BATTERY BANK NEGATIVE
2. BATTERY BANK POSITIVE
3. AC HOT OUT TO DISTRIBUTION PANEL
4. NEUTRAL
5. AC HOT IN FROM UTILITY/GENERATOR
6. AC HOT IN WIRE TO INVERTER
7. AC NEUTRAL WIRE TO INVERTER
8. AC HOT OUT WIRE TO INVERTER

OTHER CIRCUITS OF A SYSTEM
PHOTOVOLTAICS
PV COMBINER
LIGHTNING ARRESTORS
PV+ DISCONNECT
DC GROUND FAULT PROTECTOR
MPPT SOLAR CHARGE CONTROLLER
PV DC OUTPUT DISCONNECT
BATTERIES
INVERTER
GENERATOR
WIND GENERATOR AND OUTPUT DISCONNECT
HYDRO GENERATOR AND OUTPUT DISCONNECT
DC GENERATOR SHED LIGHTING
UTILITY REQUIRED INTERCONNECTION FOR GRID TIE