Net Metering Installation Standards - No REC Meter
(Interconnection at Service Equipment)

- ☐ 1. INVERTER OUTPUT CIRCUIT (IOC)
  - ☐ 1.1 If exposed, should be contained in Rigid Steel/Metal Conduit (RSC/RMC) or Intermediate Metal Conduit (IMC)
  - ☐ 1.2 Conduit must be properly secured by clamps
- ☐ 2. RENEWABLE ENERGY (RE) SYSTEM VISIBLE DISCONNECT DEVICE (See Figure 1)
  - ☐ 2.1 Location is accessible and outside of Customer's premises
  - ☐ 2.2 Should be in a metal enclosure with a minimum rating of NEMA 3R, IP54 or equivalent
  - ☐ 2.3 Must have a visual indication of the contact's position and handle must be lockable in the open position
  - ☐ 2.4 Permanent warning sign mounted on or adjacent to the disconnect device and shall read prominently as follows (See Note 2):

> WARNING:
> ELECTRIC SHOCK HAZARD. DO NOT TOUCH TERMINALS.
> TERMINALS ON BOTH THE LINE AND LOAD SIDES
> MAY BE ENERGIZED IN THE OPEN POSITION.
> (RENEWABLE ENERGY SOURCE)

  - ☐ 2.5 With Overcurrent (OC) Protection and located within 3 meters from tapping point. If location is more than 3 meters, install OC Protection within 3 meters from tapping point
- ☐ 3. Connection of conduit to any enclosure:
  - ☐ (i) For Top or Side connection:
    - (a) If NEMA 3R : Use the built-in standard fitting
    - (b) If modified NEMA 3R : Use NEMA 3R Watertight Conduit Hub
  - ☐ (ii) For Bottom connection: Use Locknut and Bushing
- ☐ 4. SERVICE EQUIPMENT (or SERVICE PROTECTIVE DEVICE if Service Equipment is located more than 15-m conductor length from service point) (See Figure 2)
- ☐ 5. BI-DIRECTIONAL METER

a – Varies depending on the type of customer's electric service and metering installation

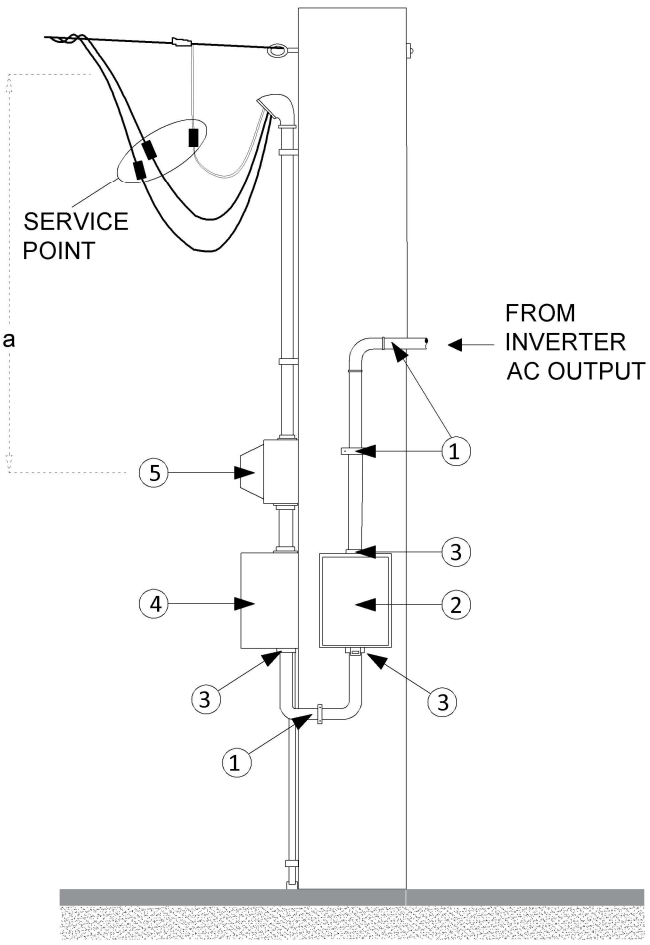
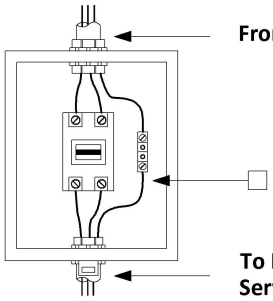


Figure 1 - RE SYSTEM VISIBLE DISCONNECT DEVICE

SINGLE-PHASE



THREE-PHASE

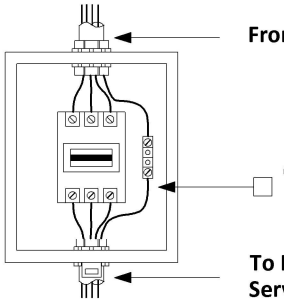
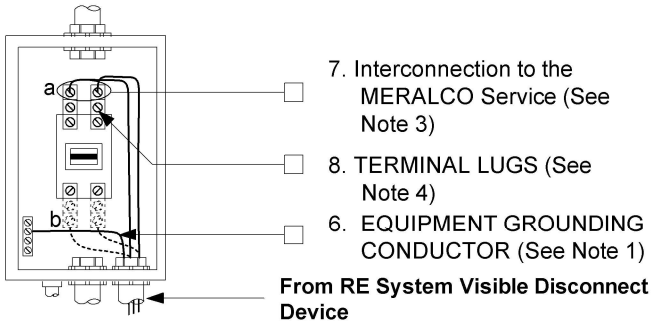
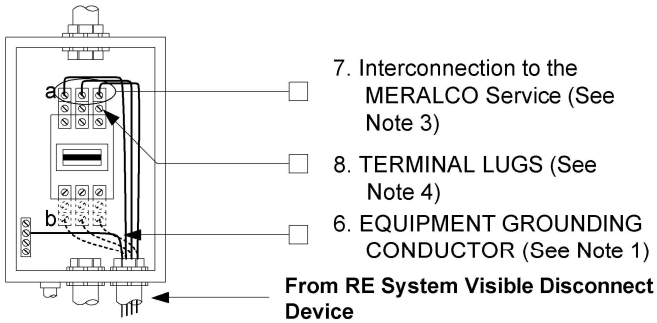


Figure 2 - SERVICE EQUIPMENT





NOTES:
1. EQUIPMENT GROUNDING CONDUCTOR (EGC) shall be bonded to the RE System, RE System Visible Disconnect Device and Service Equipment.
2. Letters should be in uppercase and should have a minimum height of 6 mm.
3. Interconnection Point (Tapping Point) is at the (a) SUPPLY SIDE or (b) LOAD SIDE of the SERVICE EQUIPMENT. (Phase conductors are not shown in the blow up detail)
4. Only approved and listed terminal lugs according to the PEC shall be used to interconnect at the tapping point.
5. Only the standards for Net Metering Installation are reflected in the diagram. All other related provisions (i.e., PEC, and existing standards for Service Entrance Installation, Service Equipment and Grounding) shall still be complied.