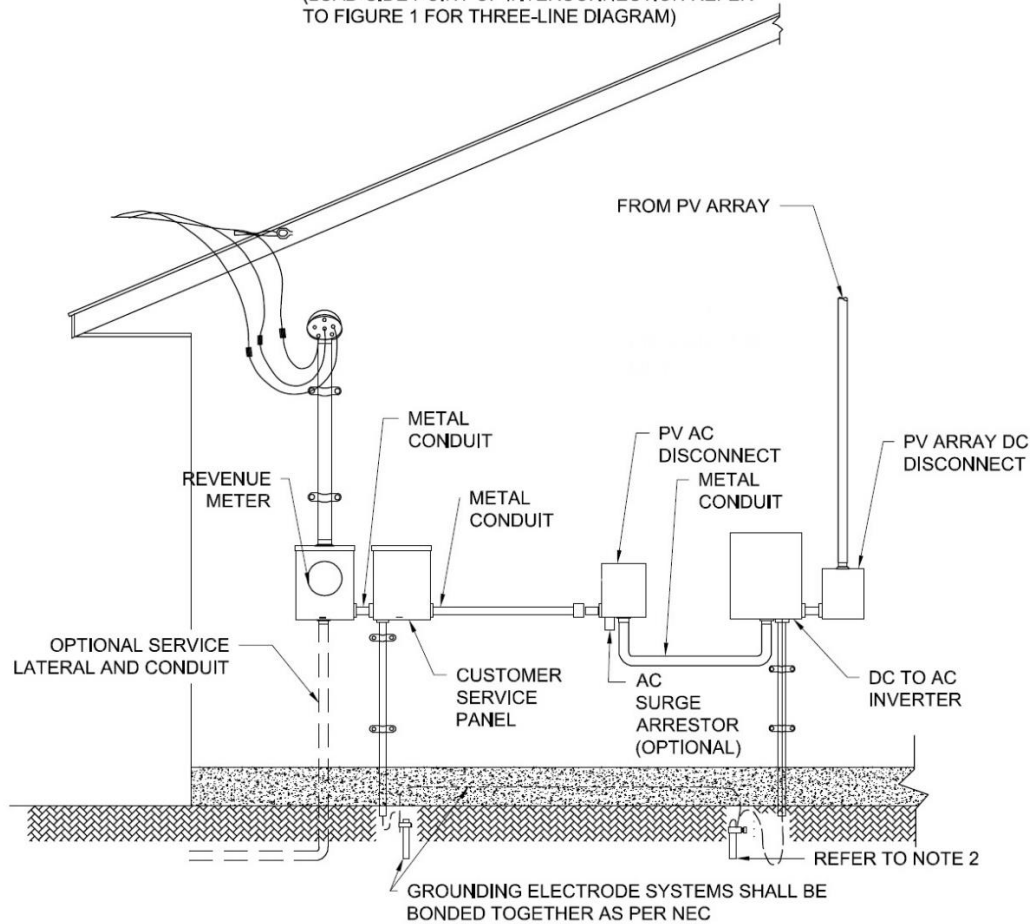




Electrical Distribution Construction Specifications

Figure 1

TYPICAL 120/240-VOLT, SINGLE-PHASE PHOTOVOLTAIC (PV) SYSTEM
(LOAD-SIDE POINT OF INTERCONNECTION REFER TO FIGURE 1 FOR THREE-LINE DIAGRAM)



Notes:

- Inverter output circuit conductor shall be installed in metal raceways from inverter to point of interconnection.
- Grounding electrode system installed as per NEC to include 5/8-inch x 8-foot ground rod as required by HOTEK at all customer service locations.
- The PV DC grounding system shall not be bonded to the AC grounding system by using a combined DC grounding electrode conductor and AC equipment grounding conductor. The contractor may choose to use the option shown above or may install a grounding electrode conductor directly from the inverter grounding electrode terminal to the main service grounding electrode system.
- The PV AC disconnect shall be located immediately adjacent to the revenue meter.
- Labeling and identification of all PV related equipment shall be done in accordance with the NEC.
- Where the point of interconnection is to be made ahead of the service equipment, it shall be made after the HOTEK revenue meter. Such installations must be pre-approved.