NOTES:
1. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY!
2. ALL WORK MUST BE PERFORMED BY QUALIFIED PERSONNEL, WITH PROPER PERSONAL PROTECTIVE EQUIPMENT.
3. THE PRODUCTION METER AND AC DISCONNECT SHOULD BE LOCATED TOGETHER IN A READILY ACCESSIBLE LOCATION, 10 FEET OF THE MAIN SERVICE METER.
4. 24/7 UNESCORTED KEYLESS ACCESS SHALL BE PROVIDED FOR THE METERS AND AC DISCONNECT.
5. THE PRODUCTION METER AND AC DISCONNECT SHOULD BE LOCATED TOGETHER BETWEEN THE MAIN SERVICE METER AND THE INVERTER.
6. NOTE ALL APPLICABLE NEC CODES.
7. SHOW ALL THE SYSTEMS INCLUDING STORAGE, EXISTING AND NEW (IF APPLICABLE).

PV SYSTEM:
- ROOF SLOPE: 20°
- AZIMUTH: 180°
- PV MODULES: 300W
- TOTAL: 14
- MODULES/PER STRING: 14

INVERTER INFORMATION:
- 3.8 KW UL CERTIFIED INVERTER, (1)
- DC/AC RATIO: 1.179

ABBREVIATIONS:
1. FOH: FRONT OF HOUSE
2. FSB: FIRE SET BACKS
3. (E): EXISTING
4. (N): NEW
5. PV: PHOTOVOLTAIC
6. MAX: MAXIMUM
7. OCPD: OVERCURRENT PROTECTION DEVICE

SYSTEM SIZE
3.8 KW AC / 4.48 4W DC
**PV SYSTEM:**
- **Roof Slope:** 20°
- **Azimuth:** 180°
- **PV Modules:** 320W (14 modules)
- **Total Modules:** 14

**RACK CONFIGURATION:**
- **DC/AC Ratio:** 1.179

**INVERTER INFORMATION:**
- **Rated Power:** 3.8 kW
- **DC/AC Ratio:** 1.179

**ABBREVIATIONS:**
1. **FOH:** Front of House
2. **FSB:** Fire Set Backs
3. **E:** Existing
4. **N:** New
5. **PV:** Photovoltaic
6. **MAX:** Maximum
7. **OCPD:** Overcurrent Protection Device

**NOTES:**
1. This drawing is for illustrative purposes only.
2. All testing shall be performed by qualified personnel, with proper personal protective equipment.
3. The production meter and AC disconnect should be located together in a readily accessible location within 10 feet of the main service meter.
4. 24/7 unescorted keyless access shall be provided for the meters and AC disconnect.
5. Utility AC disconnect shall be located within 10 feet of the main service meter.
6. 24/7 unescorted keyless access shall be provided for the meters and AC disconnect.
7. Services up to 320A will use self-contained main service meters. 320A services must indicate whether the interconnection will be self-contained or transformer-metered. All services 400A or greater must be transformer-metered.

**SYSTEM SIZE**
- **3.8 kW AC / 4.48 kW DC**
ONE-LINE EXAMPLE B:
FOR MULTIPLE INVERTER SYSTEMS

PV SYSTEM:
- ROOF SLOPE: 20°
- AZIMUTH: 180°
- PV MODULES: 320W
- TOTAL: 32
- MODULES PER STRING: 14

RACK CONFIGURATION:

INVERTER INFORMATION:
- 2.8 kW UL-CERTIFIED INVERTER (3)
- DC/AC RATIO: 1.179

ABBREVIATIONS:
- FOH: FRONT OF HOUSE
- FSB: FIRE SET BACKS
- (E): EXISTING
- (N): NEW
- PV: PHOTOVOLTAIC
- MAX: MAXIMUM
- OCPD: OVERCURRENT PROTECTION DEVICE

NOTES:
1. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY!
2. ALL TESTING SHALL BE PERFORMED BY QUALIFIED PERSONNEL, WITH PROPER PERSONAL PROTECTIVE EQUIPMENT
3. PV PRODUCTION METER AND AC DISCONNECT SHOULD BE LOCATED TOGETHER IN A READILY ACCESSIBLE LOCATION WITHIN 10' OF THE MAIN SERVICE METER
4. THE PRODUCTION METER AND AC DISCONNECT SHOULD BE LOCATED WITHIN 10 FEET OF THE MAIN SERVICE METER
5. NOTE ALL THE APPLICABLE NEC CODES
6. SHOW ALL THE SYSTEMS INCLUDING STORAGE, EXISTING AND NEW (IF APPLICABLE)
7. SERVICES <320A WILL USE SELF-CONTAINED MAIN SERVICE METERS. 320A SERVICES MUST INDICATE WHETHER THE METERING WILL BE SELF-CONTAINED OR TRANSFORMER METERED. ALL SERVICES 400A OR GREATER MUST BE TRANSFORMER METERED

PV MODULE
INVERTER
UTILITY DISCONNECT
PV METER
MAIN SERVICE PANEL
INTERCONNECTION METHOD

Make:

Model:

Rating:

Total:

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TO REMAINING INVERTERS
(If all inverters are alike, additional inverters do not have to be shown, but a note similar to this should be made)
WARNING
THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED.

CAUTION
PHOTOVOLTAIC ENERGY IS BEING FED INTO THIS SYSTEM

CAUTION
MAXIMUM OPERATING CURRENT: 16 A
MAXIMUM OPERATING AC VOLT: 240 V

NOTES:
1. ALL PLACARDS AND SIGNS REQUIRED BY 2014 NEC 690 WILL BE INSTALLED AS REQUIRED.
2. LABELS, WARNING, AND MARKING SHALL BE INSTALLED IN ACCORDANCE WITH ANSI Z535.4.
3. A PERMANENT PLACARD OR DIRECTORY SHALL BE INSTALLED PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS IF NOT IN THE SAME LOCATION IN COMPLIANCE WITH NEC 690.56(B).

Label Locations/Details

1. Production Meter
2. PV System Utility AC Disconnect, Main Service Disconnect
3. DC BUS, DC Disconnect, Inverter(s)
4. PV System Utility AC Disconnect, Main Service Disconnect
5. DC BUS, DC Disconnect, Inverter(s)
6. PV System Utility AC Disconnect, PV-AC Disconnect load side and line side
7. PV-AC Disconnect
8. PV System Utility AC Disconnect
9. PV System DC Disconnect
10. PV System Utility AC Disconnect
11. Main Service Panel/House/Area Panel, Production meter
12. Main Service Panel/House/Area Panel, Production meter
13. PV-AC Disconnect, AC Panel combiner, Production meter
14. PV-AC Disconnect, AC Panel combiner, Production meter

SYSTEM SIZE
3.8 KW AC / 4.48 kW DC