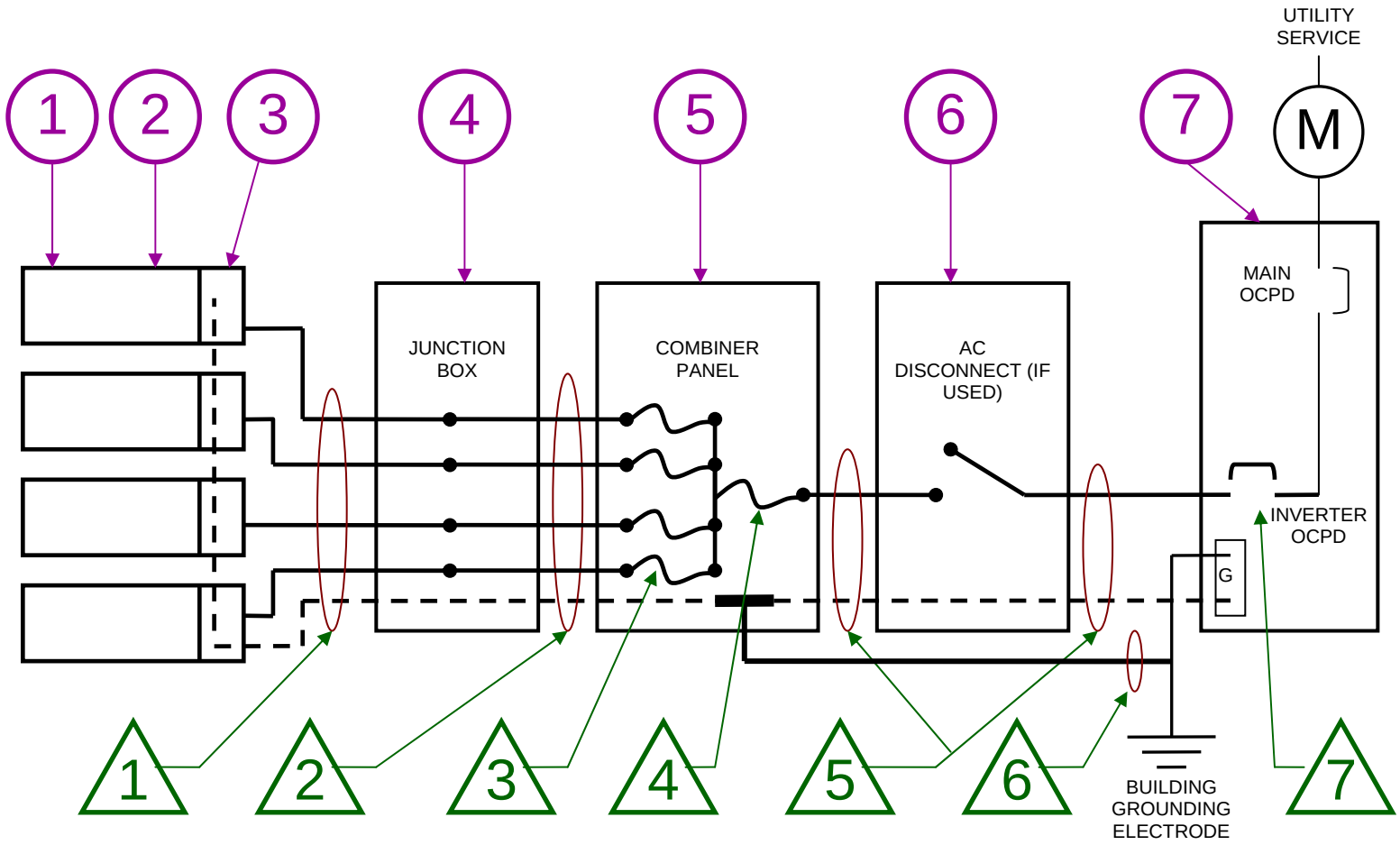
**PRINCE WILLIAM COUNTY**
**Department of Development Services – Building Development Division**

# SOLAR ENERGY SYSTEMS
## SMALL, MICRO INVERTER / AC SYSTEM PLANS

**Version 2014-10-18**

Figure - SMALL MICRO INVERTER / AC SYSTEM DETAIL




Site Address _____

Prepared by _____

Email _____

Phone: _____ Date _____


Building Development Division. 5 County Complex Court, Prince William, VA, 22192. 703-792-6930. www.pwcgov.org/BDD

| ○ | EQUIPMENT SCHEDULE | | | | | |
|---|---|---|---|---|---|---|
| TAG | DESCRIPTION | MODEL NUMBER | NOTES | | | |
| 1 | SOLAR PV MODULE | | | | | |
| 2 | PV ARRAY | | _____Module | VOC_____V | ISC_____R | |
| 3 | MICRO INVERTER | | _____Watts | _____Volts | Max per Branch_____ | |
| 4 | J-BOX (IF USED) | | | | | |
| 5 | COMBINER PANEL | | | | | |
| 6 | AC DISCONNECT | | | | | |
| 7 | SERVICE PANEL | | _____VAC | _____A Main | _____A Bus | _____A Inverter OCPD |

| △ | CONDUIT AND CONDUCTOR SCHEDULE | | | | |
|---|---|---|---|---|---|
| TAG | DESCRIPTION OR CONDUCTOR TYPE | CONDUCTOR GUAGE | NUMBER OF CONDUCTORS | CONDUIT TYPE | CONDUIT SIZE |
| 1 | ☐ USE-2 or ☐ PV WIRE<br>BARE COPPER EQ. GRD. COND. (EGC) | | | N/A | N/A |
| 2 | ☐ THWN-2 or ☐ XHHW-2 or ☐ RHW-2<br>INSULATED EGC | | | | |
| 3 | ARRAY OCP _____AMPS | | | N/A | N/A |
| 4 | SOLAR OCP _____AMPS | | | N/A | N/A |
| 5 | ☐ THWN-2 or ☐ XHHW-2 or ☐ RHW-2<br>INSULATED EGC | | | | |
| 6 | GROUNDING ELECTRODE COND. | | | | |
| 7 | SOLAR BACK-FED OCP _____AMPS | | | N/A | N/A |

| NOTES | |
|---|---|
| 1 | All labels will be placed in accordance with NEC 690. |
| 2 | Additional labeling is required; see the Solar Energy Systems Plan Submission and Inspection Guidelines for details. |
| 3 | The sum of all supply breakers feeding a busbar / conductor cannot exceed 120% of the busbar / conductor rating. |
| 4 | Interconnection within the main panel shall be located at the opposite end of the main breaker. |