

5. Solar Units – PV, Hot Water, Vents

Design Committee approval is required for all Solar Units.

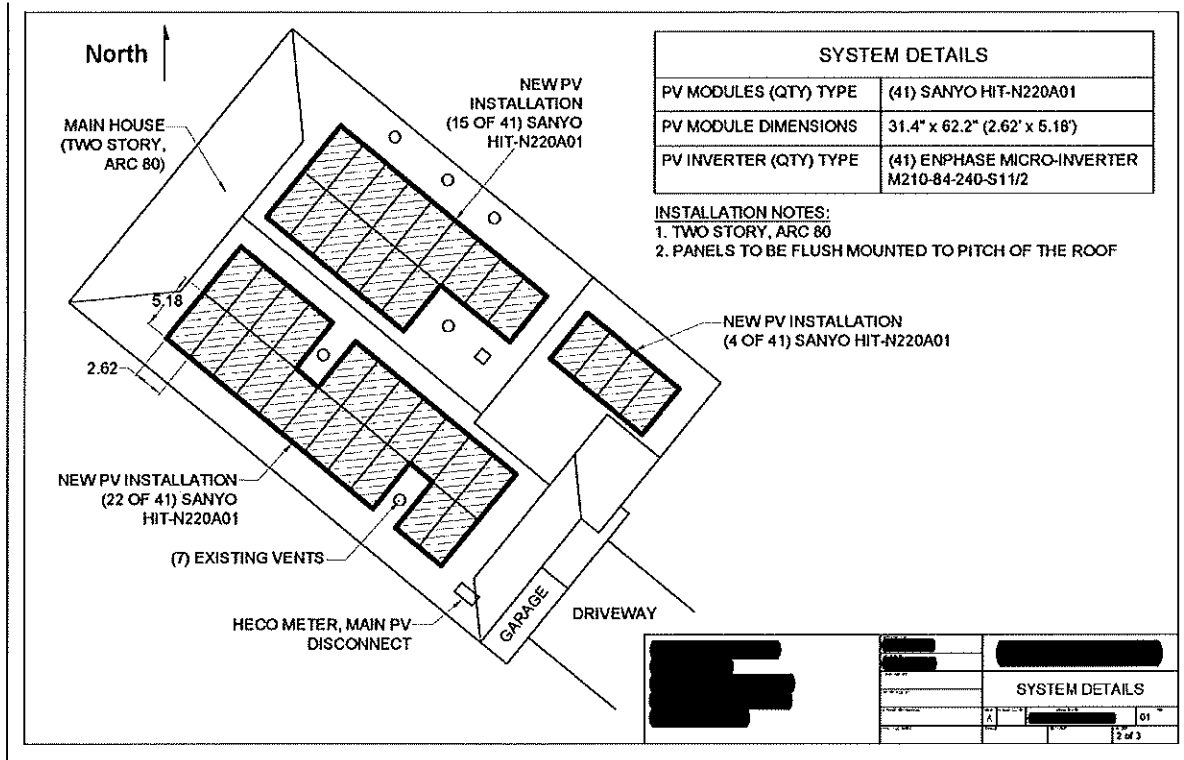
- A. All solar panels must be flush mounted, no closer than two (2) inches to the roof and no higher than six (6) inches from the roof. Racking of any panels higher than six (6) inches is prohibited.
- B. All systems shall be positioned on the roof so that no portion of the solar unit extends above the ridgeline of the roof, including piping, conduit and wiring.
- C. Conduit shall not cross over any ridgelines or run in the valley of the roof.
- D. The amount of visible piping, conduit and wiring shall be minimized to reduce the possibility of the roof having a cluttered appearance. Conduit must be routed in the attic or under the eaves. All visible piping, conduit and wiring must be painted to match the surface to which it is attached.
- E. Placement of disconnect and PV meter on the zero-lot line side of the dwelling will be considered when the HECO meter exists in that location. No other equipment including, but inverters and batteries will be allowed to be installed on the zero-lot line side of the dwelling.
- F. Solar tanks shall be placed within the interior walls of the residence. The only exception is for Thermo Siphon Systems (systems having the water storage tank as an integral part of the unit) which may be positioned on the roof in an area of least visibility from the street. Homeowner must be sure that contractor/installer verifies with an engineer that the roof is structurally capable of supporting the water tank when full. The tank must be painted to match the color of the roof. Hot water runoff, caused by venting from the system's relief valve, shall be prevented by the installation of a drain line, if necessary.
- G. Solar powered roof vents, whether of a turbo vent type or similar design, shall be installed below the ridgeline of the roof and in portions of the roof not facing the streets, and shall have no reflective materials.

Application Packet Requirements:

- A complete Design Committee application form signed by the Homeowner
- Closing Plot Plan
- Diagram(s) of panel array and conduit runs
- Diagram showing the location of inverters and disconnect
- Photograph of house showing where the HECO meter is located
- Spec sheets for solar panels
- Spec sheets for inverters

DIAGRAM OF PANEL ARRAY - Example

This should be a bird's eye view of the panels as they will be placed on the roof.



Include the following information on the diagram:

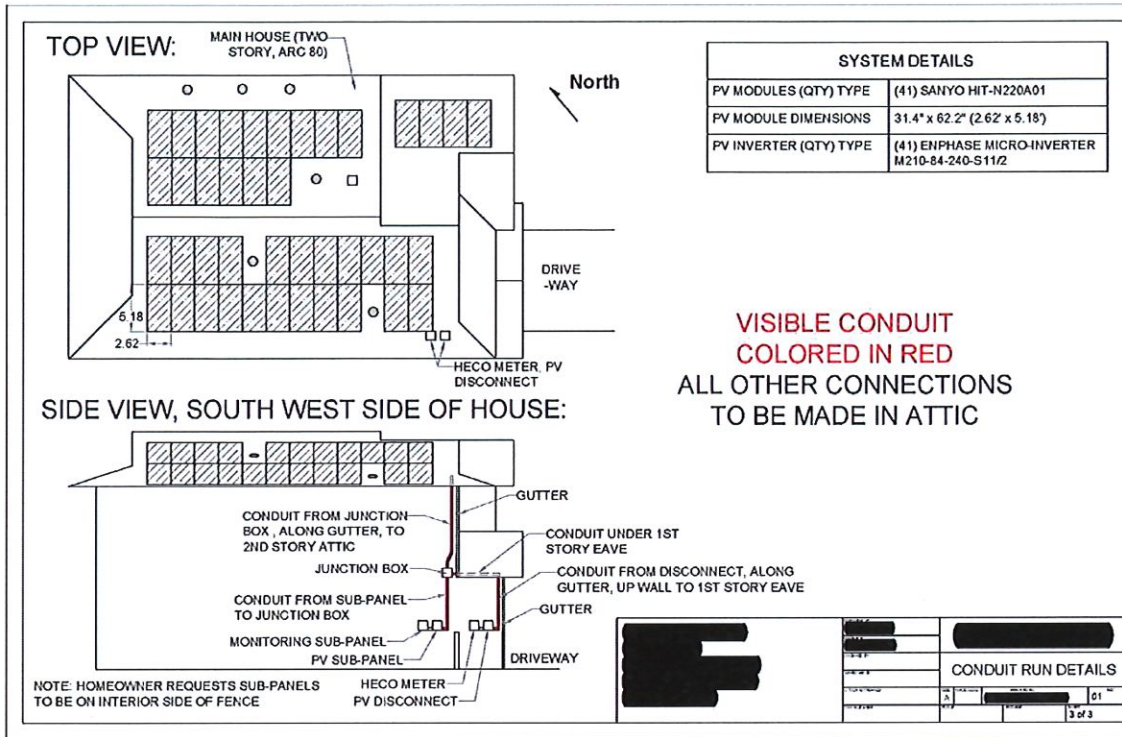
- The total number of new panels
- Whether or not the house has a second story
- Any existing solar panels
- The name of the homeowner and/or address

You may include the conduit run on this diagram or submit a separate diagram.

DIAGRAM(S) OR PHOTOGRAPH(S) SHOWING CONDUIT RUNS - Example

Diagrams or photographs must include conduit runs from above and the side elevation. We will accept any of the following provided the required information is included:

- Photograph of the actual roof
- Satellite photograph
- CAD or hand drawings



- If all conduit runs will be in the attic, you may make a notation on the diagram stating this fact. If you do make this statement on your documentation, this means that you have verified that the conduit can be installed as submitted.
- If you have any conduit runs on the roof, make a notation on the diagram and include the run lengths.

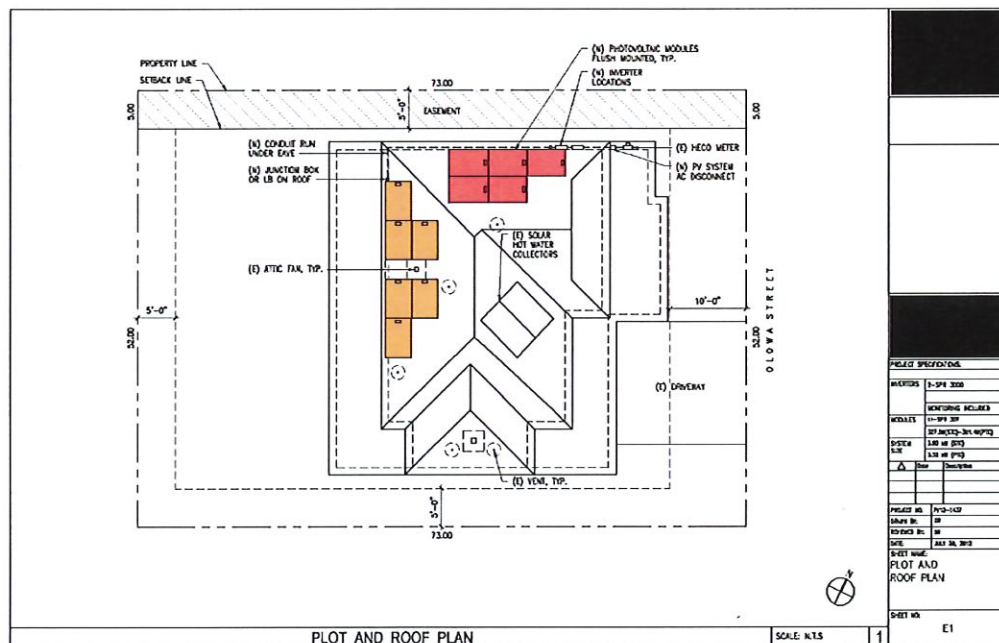
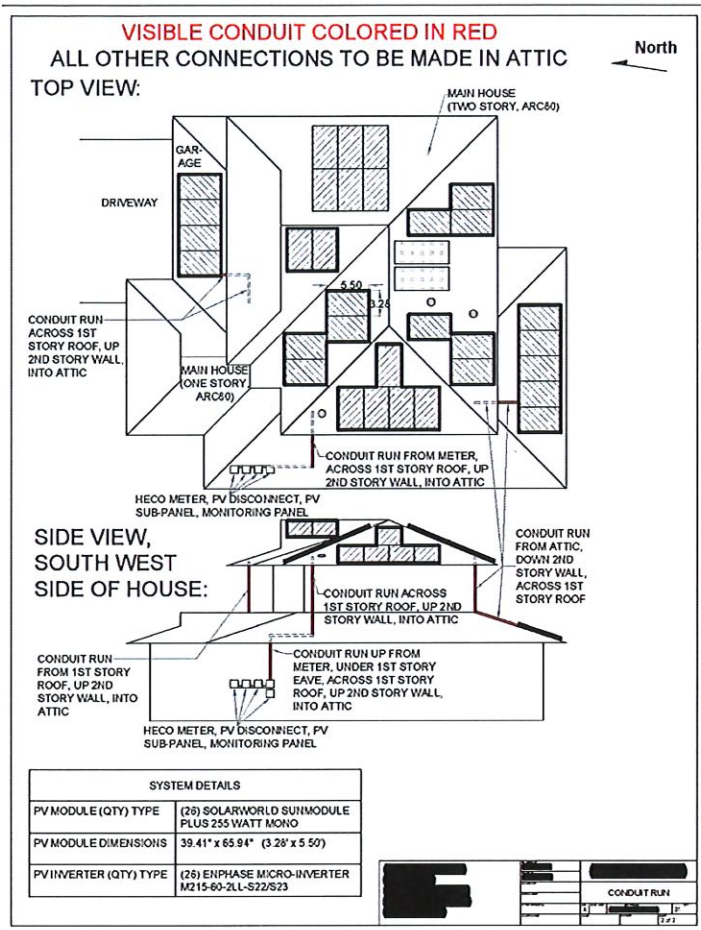


DIAGRAM SHOWING THE LOCATION OF EQUIPMENT

Review the examples; either method is acceptable.

Location of meter, disconnect, inverters, batteries, and conduit must be clearly shown so there is no question which side of the dwelling the equipment will be installed.

