



2019 New Low-Rise Residential Projects Solar Plan Check Requirements

- a. Indicate on the cover sheet that the PV system will be “under a separate permit.”
- b. Designate on the roof plan solar zone area(s) with total area equal to or greater than 250 sq ft. The solar zone shall be comprised of areas that have no dimension less than 5 feet and each area shall not be less than:
 - i. 80 sq ft for roof areas of 10,000 sq ft or less
 - ii. 160 sq ft for roof areas over 10,000 sq ft.
- c. The solar zone shall be free of obstructions and be setback at least two times the height of any obstruction, including but not limited to, vents, chimneys, equipment, parapets, and stairwells.
- d. For roof slopes $\leq 2:12$, the solar zone shall maintain a 3 foot wide access pathway (measured from the load bearing wall to the perimeter of the solar zone) around the perimeter edges of the roof.
- e. For roof slopes $> 2:12$, the solar zone shall not be located higher than (18-inches) (3-feet) below the ridge and shall not be located closer than 18-inches to a hip or valley if placed on both sides of the hip or valley.
- f. For roof slopes $> 2:12$, provide a minimum 3 foot wide clear access pathway (measure from the load bearing wall to the solar zone) to the ridge on all side of each roof slope where the solar zones are located.
- g. Plans shall indicate a location for inverters and metering equipment and a pathway for routing from the solar zone to the main service panel. Note that a 1” conduit line will be provided.
- h. Plans shall indicate a pathway for routing of plumbing from the solar zone to the water-heating system.
- i. Structural calculations to specify additional weight of the PV Panel
- j. PV system shall have a reserved space to allow for the installation of Add note to plans: “The main electrical service panel rating of 200 amps. The main service panel shall have a minimum busbar a double pole circuit breaker for a future solar electric installation. The reserved space shall be positioned at the opposite (load) end from the input feeder location or main circuit location and shall be permanently marked as “For Future Solar Electric”.

APPROVED

David Dent, CBO, CASp