



City of Riverbank
Development Services Department
Planning • Building • Code Enforcement
6617 Third Street, Riverbank, CA 95367
Mailing Address: 6707 Third Street, Riverbank, CA 95367
Office (209) 863-7128 Fax (209) 869-7126

TYPICAL SOLAR COMMENT REFERENCE

1. INDICATE THE UTILITY SERVICE PROVIDER INFORMATION ON THE COVERSHEET.
2. ADD NOTE THAT THE PV BREAKER SHALL BE LOCATED AT THE OPPOSITE END OF THE PANEL FROM THE MAIN BREAKER PER CEC 690.64(B)(7).
3. SPECIFY ALL CONDUIT SIZES ON THE ONE-LINE DRAWING.
4. THE INTENDED CONDUIT PATHS SHALL BE SHOWN ON THE ROOF PLANS WITH ATTENTION TO CRC SECTION R331.3. ADDITIONALLY, THE CONDUIT PATHS SHALL NOT BE RUN EXPOSED PARALLEL WITH THE ROOF RIDGE.

IF CONDUITS ARE RUN BETWEEN ARRAYS THEY HAVE TO BE RUN IN THE ATTIC SPACE OR OFF OF THE ROOF, UNDER EAVES AND THEN BACK UP ONTO THE SECOND ARRAY OR TO THE INVERTER.

5. SHOW ALL CONDUIT AND WIRE SIZES ON THE ONE LINE DRAWING.
6. THE ONE LINE SHALL BE SPECIFIC TO THIS PROJECT (NOT A FILL IN THE BLANKS OR DELETE ALL THAT DOES NOT APPLY TO THE PROJECT).
7. THE CONDUIT ON THE ROOF IS TO FOLLOW THE REQUIREMENTS OF CEC 310.15(B) (2) (C).

ADD 60° F WHEN CONDUIT IS DIRECTLY ON THE ROOF. THIS, ADDED TO THE DERATION TABLE OF 100°F FOR OUTSIDE USE, GIVES US 160°F. THWN IS NOT USABLE FOR THIS TEMPERATURE.

SHOW THE METHOD OF ATTACHMENT OF THE CONDUIT AND DISTANCE OFF OF THE ROOF. THEN APPLY CEC TABLE 310.15(B)(2)(C). THEN USE CEC TABLE 310.16 FOR WIRE SIZE.

8. PROVIDE A LABEL AT THE MAIN SERVICE PANEL DENOTING ALL ELECTRIC SOURCES ON THE PREMISES. THE LABEL SHALL NOTE IF THE INVERTER AND DC DISCONNECT ARE IN GARAGE. [CEC 705.10]
9. IF COMBINING MULTIPLE INVERTERS AT THE SUBPANEL, THE PANEL SHALL BE SIZED FOR SOLAR LOADS ONLY AND RENDERED UNABLE TO ACCEPT OTHER LOADS.



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10. PROVIDE EXAMPLES OF ALL LABELS THAT ARE INTENDED TO BE USED ON THE PROJECT THAT COMPLY WITH THE FOLLOWING:

- A. CRC R331.2
- B. CEC 690.14.C.2
- C. CEC 690.53
- D. CEC 690.17
- E. CEC 690.5(C)
- F. CEC 690.14.C.2
- G. CEC 690.54
- H. CEC 690.17
- I. CEC 690.64.B.4
- J. CEC 690.35(F)
- K. CEC 705.12.D.7

11. PROVIDE THE FOLLOWING NOTES TO THE COVERSHEET:

- A: A PHOTOVOLTAIC MOUNTING RACK INSPECTION IS REQUIRED PRIOR TO PANEL INSTALLATIONS.
- B: ANY MODIFICATIONS TO THE EXISTING ROOF &/OR PLUMBING DRAIN, WASTE, &/OR VENT SYSTEMS ARE TO COMPLY W/ THE 2013 CBC/CPC.
- C: ALL EMT CONDUIT FITTINGS SHALL BE LISTED AS WEATHERPROOF FITTINGS.
- D: THE BACKFEED BREAKER SHALL NOT BE MARKED FOR "LINE" AND "LOAD" MARKINGS.
- E: SPECIFY WHETHER CONDUIT WILL RUN IN THE ATTIC OR OVER THE ROOF.

12. PROVIDE CALCULATIONS ON HOW WIRE SIZES WERE ARRIVED AT.

13. PROVIDE STRUCTURAL CALCULATIONS SHOWING THAT THE ROOF SUPPORTING STRUCTURE IS SUFFICIENT.

14. VERIFY THAT THE SOLAR PANEL WEIGHT AND RACKING IS LESS THAN 5.0 PSF.

15. SHOW ANCHOR EMBEDMENT DEPTH FROM RACKING TO ROOF TRUSS.



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16. PROVIDE A ROOF PLAN SHOWING 3' SETBACK OF PANELS FROM THE RIDGES AND ALL OTHER REQUIRED PANEL CLEARANCES.
17. ALL PLANS AND CALCULATIONS TO BE WET SIGNED BY THE RESPONSIBLE DESIGNER.