



PHOTOVOLTAIC INSTALLATIONS



FIELD INSPECTIONS: INSPECTION REQUEST PROCEDURES

- Call the automated inspection request line at (209) 937-8560. The phone number is also on the jobsite inspection envelope issued with the building permit. To reschedule or cancel an inspection, please contact the Building Division at (209) 937-8561.
- **INSPECTION REQUESTS MUST BE SCHEDULED BY 4:00 P.M. THE WORKING DAY PRIOR TO THE REQUESTED INSPECTION DATE.** Please leave a contact name, phone number, and any detailed information. *All Final Electrical, Racking, Fire, Smoke/Carbon Monoxide, and correction inspections must be ready by 7:30 am.*
- Please have a ladder set up and all equipment areas open for inspection.
- First required inspections are as follows:

Inspection	Inspection Code
Racking	561
Final Electrical	562
Final Fire	564
Smoke Detector	712
Carbon Monoxide Detector	714

- Racking, Final Electrical, Final Fire, and Smoke/Carbon Monoxide inspections will be conducted at the same time. *Please note: Follow-up inspections will be required for any outstanding corrections, and a Rough Electrical Inspection (Inspection Code 455) will be required for any electrical service changes.*
 - A re-inspection fee of \$187 will be assessed for work that is incomplete, not ready to be inspected, or for a 2nd failed inspection with the same outstanding corrections. Re-inspection fees must be paid in full prior to next inspection. Additional Fire Prevention inspection fees will be imposed for any fire inspections that are required by the City of Stockton Fire Department.
1. **Code Compliance** – All work shall comply with the 2013 editions of the California Building, Electrical, Mechanical, Plumbing, and Fire Codes, as well as the current Stockton Municipal Code.
 2. **Drain Waste Vent System** – Modifications of any drain waste vent piping systems or ventilation penetrations will require inspections and approvals, and shall comply with the requirements of the 2013 editions of the California Building, Plumbing, and Mechanical Codes.
 3. **Beneath Roofs** – Photovoltaic array source circuit metallic conduit raceways are not permitted to be located within 10-inches of roof decking and ceiling joists, except below photovoltaic array modules.
 4. **Bedroom Egress Window Requirements** – WARNING! PHOTOVOLTAIC MODULES CANNOT BE PLACED ON ROOFS THAT BLOCK SECOND FLOOR BEDROOM EMERGENCY EGRESS WINDOWS PATH OF TRAVEL. A PATH OF TRAVEL 36 INCHES (3 FEET) WIDE, CLEAR OF ANY OBSTRUCTION TO THE EDGE OF THE ROOF, IS REQUIRED – NO EXCEPTIONS. Every bedroom shall have at least one window for emergency egress. Photovoltaic modules shall not be located on any roof area that will impede any rescue efforts by emergency responders.
 5. **Exposed Cables on Roof** – All exposed wires/cables shall be in an approved conduit outside the perimeter of the branch/array and prior to entering the building.
 6. **Rough-In Inspection** – Contact the Stockton Building Division for an inspection of all attic, wall cavity, and under floor rough wiring installations prior to drywall, flooring, or application of interior or exterior wall coverings.
 7. **Roof Smoke Venting & Roof Placement Requirements** – See attached diagrams for approved photovoltaic panel installation locations. Other location designs may be approved prior to installation of photovoltaic panels by the Stockton Fire Prevention Department.
 8. **Subject to Field Approval** – Please note that all office photovoltaic plan check approvals are subject to field inspection approvals.

Diagram 1: Cross Gable Roof

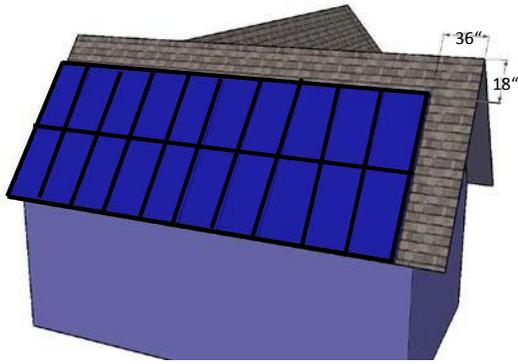


Diagram 2: Cross Gable with Valley

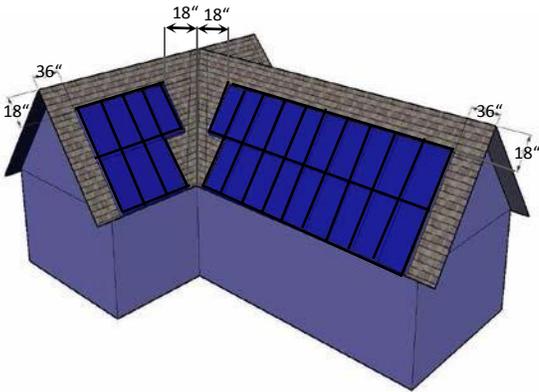


Diagram 3: Full Gable

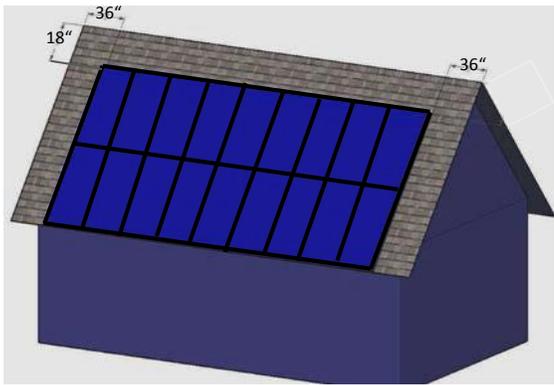
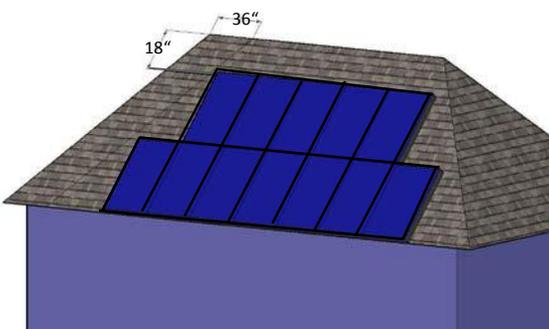


Diagram 4: Full Hip Roof



EXAMPLES OF POSSIBLE SIGN REQUIREMENTS (As may be required by this jurisdiction and CEC Articles 690 and 705 and CRC Section R331):

PHOTOVOLTAIC SYSTEM INVERTER LOCATED IN GARAGE

MAIN BREAKER
HAS BEEN DOWNSIZED TO ACCOMMODATE SOLAR
DO NOT UPSIZE MAIN BREAKER

WARNING
INVERTER OUTPUT CONNECTION;
DO NOT RELOCATE THIS OVERCURRENT DEVICE

WARNING
DUAL POWER SOURCES
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM
RATED AC OUTPUT CURRENT ___ AMPS AC
NORMAL OPERATING VOLTAGE ___ VOLTS

WARNING
ELECTRIC SHOCK HAZARD. THE DC CONDUCTORS OF
THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND
MAY BE ENERGIZED

PV SYSTEM AC DISCONNECT
RATED AC OUTPUT CURRENT ___ AMPS
NORMAL OPERATING VOLTAGE ___ VOLTS

WARNING: PHOTOVOLTAIC POWER SOURCE

WARNING
ELECTRIC SHOCK HAZARD
IF A GROUND FAULT IS INDICATED,
NORMALLY GROUNDED CONDUCTORS MAY BE
UNGROUNDED AND ENERGIZED

WARNING
ELECTRIC SHOCK HAZARD TERMINALS ON THE LINE AND
LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

PV SYSTEM DISCONNECT
RATED MAX POWER-POINT CURRENT ___ ADC
RATED MAX POWER-POINT VOLTAGE ___ VDC
SHORT CIRCUIT CURRENT ___ ADC
MAXIMUM SYSTEM VOLTAGE ___ VDC

MARKING CONTENT AND FORMAT

- RED BACKGROUND
- WHITE LETTERING
- MINIMUM 3/8" LETTER HEIGHT
- ALL CAPITAL LETTERS
- ARIAL FONT
- REFLECTIVE, WEATHER-RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT (Note: Some adhesive materials may not meet this requirement)