



PERMIT NUMBER

Empty rectangular box for permit number.

SOLAR PHOTOVOLTIC SYSTEM

BUILDING INSPECTION DIVISION
8101 Ralston Road, Arvada, CO 80002
Fax 720-898-7603 • Office 720-898-7620
Inspection line 720-898-7630 • www.arvada.org

- Commercial
 Single-Family
 Duplex
 Multi-Family

JOB ADDRESS _____ ZIP _____

OWNER _____ PHONE _____

ADDRESS _____ ZIP _____

BUSINESS NAME: _____ PHONE NUMBER: _____

CONTRACTOR _____

ARVADA LICENSE NUMBER _____ PHONE NUMBER _____

ELECTRICAL CONTRACTOR _____

ARVADA LICENSE NUMBER _____ PHONE NUMBER _____

XCEL APPROVAL NUMBER: _____

PLEASE DESCRIBE PROJECT (REQUIRED):

TOTAL VALUATION \$ _____.

The total valuation should be the complete cost prior to any rebates.

SITE PLAN

If solar panels are on the ground, please show all site details and setbacks from all property lines to the panels. Show height of panels on site plan and be sure to indicate type of materials on site plan.

Make a copy of a survey or Improvement Location Certificate (ILC) and draw the location of the panels. If you have any questions please call 720-898-7465.

CODE ENFORCEMENT APPROVAL BY: _____ DATE: _____

THE ISSUANCE OF A PERMIT, ANY INSPECTIONS MADE OR CERTIFICATE OF OCCUPANCY ISSUED SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, NOR AN APPROVAL OF, ANY VIOLATION OF THE INTERNATIONAL BUILDING CODES OR ANY OTHER CODE OR ORDINANCE ADOPTED BY THE CITY OF ARVADA.

BY SIGNING BELOW I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT ALL INFORMATION IS CORRECT AND AGREE NOT TO START THIS PROJECT UNTIL THIS APPLICATION IS APPROVED AND THE BUILDING PERMIT IS ISSUED. I ALSO AGREE TO COMPLY WITH THE LAWS OF THE STATE OF COLORADO AND TO THE ZONING REGULATIONS AND INTERNATIONAL BUILDING CODES AS ADOPTED BY THE CITY OF ARVADA AND AS APPLICABLE. ANY VIOLATION OF THESE TERMS WILL BE CAUSE FOR IMMEDIATE REVOCATION OF THIS PERMIT.

ELECTRICAL REVIEWER

DATE

PRINT NAME

BUILDING DIVISION APPROVAL

DATE

APPLICANT SIGNATURE

DATE



Solar Photovoltaic Systems

Plan Submittal Requirements

General Requirements

- Provide permit application completely filled out. The valuation is to be the complete cost of work before any rebates.
- Provide a site plan that locates all equipment on the drawing.
- State the name of the product(s) being used and the product information.
- Specify if the system is a stand alone or interactive system.
- Roof mounted systems must be on permanent standoffs and provide the following:
 - 1) Type of roof structure, i.e. roof trusses or rafters
 - 2) Method of locating roof framing members
 - 3) Provide mounting details. All permanent standoffs shall be mounted to structural members and properly flashed to accommodate re-roofing.

Fees

Residential fee: \$40 plus city sales tax (use tax)

Commercial fee: based on the project valuation and table 3-A, not to exceed \$1000 as per state law.

Note: City sales tax (use tax) is not exempt by state law.

Wiring Requirements

- Provide a **three-line diagram** that includes the following information:
 - Install to 2011 NEC Requirements.
 - Conductor size
 - Conductor insulation types
 - Conductor material, i.e. copper, aluminum
 - Main over-current device ratings
 - Existing and new panel busbar amperage ratings
 - Series and parallel configuration of the module connections
 - Provide all applicable warning and marking labels for AC and DC disconnects as required
 - The location of all modules, inverters, disconnects, and service equipment
 - The location of all batteries
 - The location and connection of all grounding electrode conductors
 - The clearances around all equipment noted above
 - Conduit or cable type & size, i.e. nonmetallic, EMT, direct burial cable ect.

Equipment Requirements

- Provide the following equipment information
- Module short circuit current ratings
- Module open circuit voltage ratings
- Module series fuse ratings
- Inverter maximum output current rating
- Inverter maximum over-current protection- output/input per manufacturer
- All U.L. File number, listings and remaining specifications
- Provide all associated documentation/cut sheets, and installation instructions on equipment, i.e., inverters, disconnects, modules, charge controllers, over current devices, hardware specifications, ect.

Required Inspections: Rough Electrical **Code-403**, Rough Frame **Code 103** must be scheduled and inspected before panels are set.

Final Electrical **Code 499**, Final Building **Code 199**. All inspections can be scheduled and viewed at www.arvadabuild.org.