

Requirement checklist to obtain a building permit for a:

RESIDENTIAL SOLAR PANEL

► Roof Mounted or Ground Mounted Solar ◀

- ☐ Completed two-page application (must be legible and signed) [2 COPIES]
- ☐ Land Use Permit (signed/approved by the Municipality) [2 COPIES]
- ☐ Site Plan (include all existing structures, proposed structure and their distances to all lot lines) [2 COPIES]
- ☐ Manufacturers Specifications [2 COPIES]
- ☐ House Roof Specifications [2 COPIES]
 - ☐ Engineered structural analysis, signed & sealed should be provided.
- ☐ Copy of Contractors Certificate of Insurance for Workers Compensation
OR
If doing the work yourself submit Workers Compensation Insurance Coverage Waiver
[refer to the attached document].
- ☐ Driving directions from a known landmark or intersection

- ✓ After submitting all required documents your application will be reviewed.
- ✓ PMCA will contact you to let you know if your application has been approved or denied.
- ✓ When the project is approved you will be notified the Building Permit is ready. Prior to obtaining the building permit all charges (i.e. administrative, inspections fees) must be paid.
- ✓ Be advised additional fees may be applied, throughout the project, for failed or missed inspections.



Chambersburg Office: 1013 Wayne Ave. Chambersburg, PA 17201 Phone: 717 496-4996
Bedford Office: 125 S. Richard Street, Suite 102, Bedford, PA 15522 Phone: 814 310-2326
Somerset Office: 510 Georgian Place, Somerset, PA 15501 Phone: 814 444-6112
Adams Office: 1895B York Road, Gettysburg, PA 17325 Phone: 717 321-9046
Email: pmca@pacodealliance.com Website: <https://pacodealliance.com/>

APPLICATION FOR BUILDING PERMIT / USE CERTIFICATE

Rcvd. Date Stamp Here

Please print legibly – failure to do so may result in a denial, delay or rejection of this application.

Permit Application No. _____

1. PROPERTY / SITE INFORMATION

Site Address: _____ Tax Map / Parcel No.: _____
Complete Address / Street / Lot #

City _____ State _____ Zip _____

Municipality: _____ County: _____ Land Use Permit No. _____

Use: ☐ Residential ☐ Single-Family Dwelling / Duplex ☐ Multi Family ☐ New / ☐ Relocated Manufactured Home ☐ Modular
☐ Commercial ☐ Other _____ Floodplain present: ☐ Yes ☐ No

Improvement Type: ☐ New ☐ Addition ☐ Alteration ☐ Repair/Replacement ☐ Relocation ☐ Other _____

2. LAND / PROPERTY OWNER'S INFORMATION (Complete Section 5 for Contractor's Info)

First Name _____ Mi. _____ Last Name _____ Phone No: _____ Cell No.: _____

Street Address _____ City _____ State _____ Zip _____ Email: _____

3. BUILDING / STRUCTURE OWNER'S INFORMATION [If Different From Above]

First Name _____ Mi. _____ Last Name _____ Phone No: _____ Cell No.: _____

Street Address _____ City _____ State _____ Zip _____ Email: _____

4. BUILDING PERMIT APPLICATION

Provide below description of Work: (Also provide details on plot plan: Show all improvements on lot & approx. distances to lot lines)

Total Lot Area: _____ Acres/Sq. Ft. ESTIMATED COST OF CONSTRUCTION: \$ _____

ICC Use Group: _____ ICC Construction Type: _____

ESTIMATED START DATE: ____/____/____ ESTIMATED COMPLETION DATE: ____/____/____

5. CONTRACTOR INFORMATION

Business Name: _____ Phone No: _____

Contractor Street Address _____ City _____ State _____ Zip _____

Person in Charge of Work: _____ Phone No.: _____

Email: _____ Cell No.: _____

Workman's Compensation Insurance: ☐ Provided ☐ On Record ☐ Exempt PA Home Improvement Contr. Reg. # _____

►► THIS SECTION MUST BE FULLY COMPLETED OR THE APPLICATION MAY BE REJECTED AS INCOMPLETE ◀◀

6. CERTIFICATION

I certify that I am the owner of record, or that I have been authorized by the owner of record to submit this application and that the work described has been authorized by the owner of record. I understand and assume responsibility for the establishment of official property lines for required setbacks prior to the start of construction, and agree to conform to all applicable local, state, and federal laws governing the execution of this project. I certify that the Code official or his representative shall have the authority to enter the areas in which this work is being performed, at any reasonable hour, to enforce the provisions of the Codes governing this project. I further certify that this information is true & correct to the best of my knowledge and belief. Ref. 18 Pa. Cons. Stat. §4903.

Applicant Signature _____ Print Name (*legibly*): _____ Date _____

Applicant Phone (Land Line and Cell) _____ Applicant Email _____

Business Name (if applicable) _____ Email _____

☐ Business **OR** ☐ Applicant Complete Mailing Address _____

Business Phone Number (Land Line and Cell) _____

7. PROJECT DETAILS

Trades: ☐ Building ☐ Electrical Work ☐ Plumbing Work ☐ Mechanical Work (HVAC) ☐ Fire Suppression/Fire Alarm System

Heat Source (if applicable): _____ Fuel Type: _____

Foundation Type: ☐ Crawlspace ☐ Foundation ☐ Slab at Grade ☐ Piers ☐ Other: _____

Details: _____

SUBCONTRACTOR INFORMATION

Please list subcontractors for major trades. Use additional sheet(s) if needed.

☐ Additional sheet(s) attached

Contractor _____ Address _____ Phone No _____ Pa HIC # _____

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Contractor _____ Address _____ Phone No _____ Pa HIC # _____

APPLICANT OR AUTHORIZED AGENT IS RESPONSIBLE FOR CONTACTING PMCA OFFICE FOR ALL REQUIRED INSPECTIONS.

►► IF NOT APPLICABLE TO YOUR PROJECT PLEASE PUT N/A ON THE LINE/ SPACE ◀◀

Required Documents for Solar Photovoltaic Systems Permitting

Completed Building Permit Application and two (2) copies of the following documents:

1. Location, floor, and site plans. Site plan must show septic system location and all buried utilities.
2. Detailed System Diagram of all the system components, highlighting system grounding and bonding.
3. Basic Line Drawing that shows all the devices on the system including the solar module, DC disconnect, inverter, sub-panels, AC disconnect, main service meter, and wire sizes and connections. Specify manufacturer, model numbers, and ratings.
4. Show specific locations and labels used for compliance with NEC 690 and UL 969.
5. PV Module Label and Listing Specs.
6. Inverter Label and Listing Specs.
7. Rack Label and Listing Specs.
8. Rack Mounting Details and Calcs (Ground Mounted Systems).
9. Battery Storage Location and Venting (if applicable).

Worksheet Information

Any proposed supply-side connection will not be approved if it is considered a violation of the UL listing of the equipment. Provide complete information of method of supply-side connection, if proposed.

Point of Connection EXAMPLE

1. Service Panel Rating in Amperes _____ (125A)
2. Service Busbar Rating in Amperes _____ (125A)
3. 120% of Busbar Rating _____ ($125A \times 1.2 = 150A$)
4. Main Panel Breaker Rating _____ (100A)
5. Maximum Allowed PV Breaker _____ ($150A - 100A = 50A$)
6. Backfed PV Breaker in Amperes _____ ($25A, 25A < 50A$)

Roof Design

1. Approximate Age of Roof _____
2. Roofing Type: ☐ Comp ☐ Shingle ☐ Tile ☐ Shake ☐ Metal
3. Rafter Size: _____ X _____ Inches
4. Rafter Spacing: ☐ 16" o.c. ☐ 24" o.c. ☐ Other _____
5. Rafter Span: _____ Array Weight: _____ lbs.

Truss/Rafters that are over-spanned or if the array is over 5 lbs psf, design by a licensed professional may be required.

PV System Components

Per Module Manufacturer & Model

1. Photovoltaic Panel _____
2. Rated Power (PMax) _____ Watts
3. Open Circuit Voltage (Voc) _____ VDC
4. Short Circuit (Isc) _____ Amps DC
5. Maximum Voltage (Vpmax) _____ VDC
6. Maximum Current (Ipmax) _____ Amps DC
7. Inverter Model _____

Module Configuration

1. No. of Modules in Series _____
2. No. of Strings in Parallel _____
3. Total Rated Power of System (@STC) _____
4. DC Grounding Electrode Conductor _____ AWG _____ NEC Sec 690.47 (c) (2)
5. AC Grounding Electrode Conductor _____ AWG _____ NEC Sec 690.47 (c) (2)
6. Attach PV module, inverter and mounting system cut sheets.

Checklist for PV System Plan Check

- ☐ Yes ☐ No - Is a basic site diagram provided showing location of structure and equipment?
- ☐ Yes ☐ No - Is the array configuration shown?
- ☐ Yes ☐ No - Is the array wiring identified?
- ☐ Yes ☐ No - Is the combiner/junction box identified?
- ☐ Yes ☐ No - Is the AC / DC disconnect box identified?
- ☐ Yes ☐ No - Is the equipment grounding specified?
- ☐ Yes ☐ No - Is the conduit size from the array to the power source identified?
- ☐ Yes ☐ No - Are cut sheets provided for the PV modules?
- ☐ Yes ☐ No - Are cut sheets provided for the mounting hardware?
- ☐ Yes ☐ No - Are cut sheets provided for the Inverter?
- ☐ Yes ☐ No - Is the system user's manual available to property owner?
- ☐ Yes ☐ No - Does the roof appear to be in good condition?

Special Signage is required for Solar PV Systems. Permanently affixed labels shall have a red background with white lettering. Printed material shall be resistant to fading per UL 969, and NEC Article 690

DIRECTIONS TO THE SITE LOCATION

Please give directions to the work site from a known landmark and/or intersection. Use a directional drawing also in the space provided below if that would assist.

Applicant: _____ Phone: _____

Site Street Address: _____

Directions: _____

Use this space if needed to further clarify the site location:

Please Note: Inspectors cannot inspect what they cannot find, Be certain the directions are clear. Use Road or Street names, distances between turn offs, and the direction of that travel (North South East or West). Landmarks are very helpful.

► Workers' Compensation Insurance Coverage Information ◀

A. The applicant is

A contractor within the meaning of the Pennsylvania Workers' Compensation Law

☐ Yes

☐ No

If the answer is "Yes," complete Sections B and C below as appropriate.

B. Insurance Information

Name of Applicant: _____

Federal or State Employer Identification No. _____

Applicant is a qualified self-insurer for workers' compensation.

☐ Certificate attached

Name of Workers' Compensation Insurer: _____

Workers' Compensation Insurance Policy No. _____

☐ Certificate attached

Policy Expiration Date: _____

C. Exemption – **MUST BE NOTORIZED**

Complete Section C if the applicant is a contractor claiming exemption from providing workers' compensation insurance.

The undersigned swears or affirms that he/she is not required to provide workers' compensation insurance under the provisions of Pennsylvania's Workers' Compensation Law for one of the following reasons, as indicated:

☐ Contractor with no employees. **Contractor prohibited by law from employing any individual to perform work pursuant to this building permit unless contractor provides proof of insurance to the township.**

☐ Homeowner who elects to do all work without contracting or hiring others to assist.

☐ Religious exemption under the Workers' Compensation Law.

Signature of Applicant: _____ Print Name: _____

Address: _____ Date: _____

Commonwealth of Pennsylvania, County of _____

On this, the _____ day of _____, 20____ before me _____,

(Notary)

the undersigned personally appeared _____, known to me (or satisfactorily proven)

(Signatory)

to be the person whose name subscribed to the within instrument, and acknowledged that he/she executed the same for the purpose herein contained.

In Witness whereof, I hereunto set my hand and official seal.

Notary Public

When applying for a Building Permit you need the following:

- Fill out the appropriate application answering all questions applicable to your job. Application must be legible and signed. (2 copies)
 - If a portion of the application is not applicable to your project put a N/A on the line.
- A copy of the signed Land Use Permit from the Municipality (Borough or Township) (2 copies)
- A Site Plan showing the location of the existing improvements/structures on your property and approx. distances to all property lines, well, septic system, driveway, etc. Also show the location of the proposed construction. (2 copies)
- Drawings showing details of the construction you want to do. (2 copies)
- Copy of Contractors Certificate of Insurance for Workers Compensation **OR** if doing the work yourself submit Workers Compensation Insurance Coverage Waiver *[refer to the attached document]*.

After Building Permit Application is submitted:

- After submitting all required documents your application and drawings will be reviewed.
- PMCA will contact you with an approval or denial.
- If approved, your permit will be issued. The inspection & administrative fees are due when you pick up the permit. You will also obtain a copy of your original application and stamped set of plans.

After Building Permit is issued:

- The Building Permit placard and Municipal Placard are to be visible on site at all times during the construction process.
- To schedule an inspection call the office where your permit application was submitted or visit our website to schedule online. Be prepared to have your Permit Number, address and type of inspection you are requesting.
 - If you request an inspection BEFORE 3 pm, every effort is made to schedule the inspection for the next business day.
- The copy of your application and approved plans are to remain on site when the building inspectors come for inspections. Be advised: we cannot inspect if these are not on site and you may incur additional costs due to extra trip(s) by the inspector.

✓ Checklist for the Site Plan to be provided with the Permit Application

1. **Site plans are essential and must be clearly legible and reproducible regardless of the reason for requesting the permit.**
2. Use an 8 ½" X 11" sheet of paper at minimum.
3. After locating all the structures on your property show distances in feet to the lot lines and between the structures.

Provide dimensions of the property getting the proposed improvement

- Drawing of approx. property layout (Can use hand drawing, photocopy of survey, etc.)
- Acreage (Refer to deed or survey drawing)
- Approx. boundary dimensions (Can be from the deed, field measurement, or a survey drawing)
- Parcel Number (Not mandatory – obtained from deed or property tax notice)

Existing Buildings / Structures with Corresponding Dimensions

- Houses
- Sheds
- Barns
- Swimming Pools
- Deck / Patios
- Other buildings or structures on the property
- Location of on lot well and septic IF applicable

Proposed Improvement(s)

- Proposed Structure Dimensions (House, Shed, Barn, Addition, Deck, etc.)
- Location of Proposed Driveway and Sidewalk

SAMPLE SITE PLAN ►

