

The Village of South Barrington

Mayor

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Trustees

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SOLAR PANEL PERMITS

REQUIRED APPLICATION MATERIALS:

- Building Permit Application Form
- Roof Mounting Information Form (attached)
- Three copies of drawings showing location, size of panels, electrical diagram, electrical diagram, specification sheets and installation manual
- Current Plat of Survey
- Application Fee - \$150.00
- Permit Fee Deposit - \$200.00
- Subdivision Approval from the Homeowners Association
- Compliance with Village Zoning Ordinance Title 10, Chapter 2-10 (attached)

NOTE: All residential solar roof panel permit applications will be reviewed within 3 business days of accepted submittal.

PERFORMANCE DEPOSITS:

The Performance Deposit money is held by the Village Treasurer until the job is complete and a final inspection has been made by the Building Department. **Return of Deposit money is initiated when a WRITTEN request is received by the Building Department.** "Request for Release" forms are available at www.southbarrington.org, Village Departments, Building Department.

ROOF MOUNTING INFORMATION FORM

1. Is the roofing type lightweight (Yes = composition, lightweight masonry, metal, etc.)

If No, submit completed worksheet for roof structure WKS1 (No = heavy masonry, slate, etc.)

2. Does the roof have a single roof covering? Yes or No

If No, submit completed worksheet for roof structure WKS1

3. Provide method and type of weatherproofing roof penetrations (e.g. flashing, caulk, etc.)

MOUNTING SYSTEM INFORMATION

1. Is the mounting structure an engineered product designed to mount PV modules with no more than an 18" gap beneath the module frames? Yes or No

If No, provide details of structural attachment certified by a design professional.

2. For manufactured mounting systems, fill out information on the mounting system below:

- a. Mounting System manufacturer _____ Product Name/Model # _____
b. Total Weight of PV Modules and Rails _____ lbs
c. Total Number of Attachment Points _____
d. Weight per Attachment Point (b ÷ c) _____ lbs (if greater than 45 lbs, see WKS1)
e. Maximum Spacing Between Attachment Points on a Rail _____ inches (see product manual for maximum spacing allowed based on maximum design wind speed)
f. Total Surface Area of PV Modules (square feet) _____ ft²
g. Distributed Weight of PV Module on Roof (b ÷ f) _____ lbs/ft²
If distributed weight of the PV system is greater than 5 lbs/ft², see WKS1

STRUCTURE WORKSHEET – WKS1

1. Roof construction: Rafters Trusses Other: _____

2. Describe site-built rafter or site-built truss systems:

- a. Rafter Size: _____ x _____ inches
b. Rafter Spacing: _____ inches
c. Maximum unsupported span: _____ feet, _____ inches
d. Are the rafters over-spanned? (see the IRC span tables in B.2.) Yes or No
e. If Yes, complete the rest of this section.

3. If the roof system has

- a. over-spanned rafters or trusses,
b. the array of 5 lbs/ft² on any roof construction, or
c. the attachments with a dead load exceeding 45 lbs per attachment;

It is recommended that you provide one of the following:

- i. A framing plan that shows details for how you will strengthen the rafters using the supplied span tables in B.2.
ii. Confirmation certified by a design professional that the roof structure will support the array.