



VILLAGE OF KEY BISCAYNE

Department of Building, Zoning, Planning and Public Works

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HVHZ Electronic Solar Permit Form

Master Permit No.

Process No.

Contractor's Name

Job Address

Municipality

County

State

New Roof (requires separate roof permit)

Re-Roof (requires separate roof permit)

Existing Roof

Roof Type

Deck Type

Support Spacing

Structural Support Type

Roof Slope

Roof Mean Height (ft)

Type of Solar Array

Solar Panel Manufacturer

Solar Module Model No.

Florida Solar Energy Center Certification No.

Provide Roof Top Location of the Solar Modules

P(1) Field of Roof

(P) 2 Perimeter of Roof

Perimeter Width (a')

Solar Modules Shall Not Be Installed in (P) 3 Corners of any Roof or Roof Section

Wind Exposure Category per ASCE-10

Exposure C

Exposure D

Calculated Roof Uplift Pressures per ASCE -10

Prescriptive Steep Slope Roof Uplift Pressures per RAS-127 ¹
Prescriptive Low Slope Roof Uplift Pressures per RAS-128 ²

Calculated P(1) pressure (psf)

Calculated P(2) pressure (psf)

¹ RAS-127 steep slope roofs \geq 2:12 & ² RAS-128 low slope roofs $<$ 2:12
Test Protocols for High-Velocity Hurricane Zones

Is the Solar Array Installed Parallel to the Roof Surface?

Yes No

Is the Solar Array Installed Inclined to the Roof Surface?

Yes No

Roof Top Solar Array Attachment

Roof Top Mounting Bracket Type

- Stand-Off Angle Support
- S Clamps (Standing Seam Metal Roofs)
- Other Mount Type

Other Mount Type

Solar Rack System

Mount Spacing Field P (1)

Mount Spacing Perimeter P (2)

Minimum 2.5" Embedment, Pilot Hole Required

a. Solar Module Size

b. Module Area (ft²)

c. Total Installed Modules

d. Total Area of Installed Modules {b x c} (ft²)

Solar Module Weight (lbs.)

e. Total weight of Modules & Attachment Rails (lbs.)

f. Total Number of Roof Attachment Points

Weight per Attachment Point {e ÷ f} (lbs.)

Photovoltaic Laminate Modules (PVL) Adhered Directly to Roof Systems

A Separate Roof Permit is Required for Adhered PVL Modules

Provide Roof Top Location of the PVL Modules

PVL Modules Shall Not be Installed in Zone (P) 3 Corners of any Roof or Roof Section

P(1) Field of Roof

(P) 2 Perimeter of Roof

Perimeter Width (a')

Wind Exposure Category per ASCE-10

Exposure C

Exposure D

Calculated Roof Uplift Pressures per ASCE -7

**Prescriptive Steep Slope Roof Uplift Pressures per RAS-127 ¹
Prescriptive Low Slope Roof Uplift Pressures per RAS-128 ²**

Calculated P(1) pressure (psf)

Calculated P(2) pressure (psf)

¹ RAS-127 steep slope roofs \geq 2:12 & ² RAS-128 low slope roofs $<$ 2:12
Test Protocols for High-Velocity Hurricane Zones

PVL Manufacturer

PVL Product Control Approval No.

PVL Model No.

*** Roof System Product Approval Number**

** With PVL Module Listed as an Approved Component*

Roof System Type

*** PVL Maximum Design Pressure**

** From Roof System Product Approval*

Does the Roof System Have a Class "A" Fire Rating with the PVL as a Tested Component?

Yes **No**