MIAMIBEACH

City of Miami Beach 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

Select Roof Type

Select Roof Deck Type

Deck Type

Support Spacing

Structural Support Type

Roof Slope

Roof Mean Height (ft)

Type of Solar Array

Select Solar Array Type

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)

Select Prescriptive P (1) Pressures

Calculated P(2) pressure (psf)

Select Prescriptive P (2) Pressures

[1] RAS-127 steep slope roofs ≥ 2:12 & [2] RAS-128 low slope roofs < 2:12
Test Protocols for High-Velocity Hurricane Zones

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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)

Provide Support Mount Height

Provide # of Fasteners Per Mount

Select Fastener Type

Minimum 2.5" Embedment, Pilot Hole Required

a. Solar Module Size

b. Module Area (ft^2)

c. Total Installed Modules

d. Total Area of Installed Modules {b xc} (ft^2)

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.)

Support Rail Height Above Finished Roof Surface

Provide # Support Rails in Field P(1)

Provide # Support Rails in Perimeter P (2)

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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) _____

Select Prescriptive P (1) Pressures

Calculated P(2) pressure (psf) _____

Select Prescriptive P (2) Pressures

[1] RAS-127 steep slope roofs ≥ 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

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