

**Florida Building Code 8th Edition (2023)**  
**High Velocity Hurricane Zone Uniform Roofing Application Form for Miami-Dade County**

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**INSTRUCTION PAGE**

**COMPLETE THE NECESSARY SECTIONS OF THE UNIFORM ROOFING PERMIT APPLICATION FORM AND  
ATTACH THE REQUIRED DOCUMENTS BELOW:**

<b>Roof System</b>	<b>Required Sections of the Permit Application Form</b>	<b>Attachments Required See List Below</b>
Low Slope Application	A,B,C	1,2,3,4,5,6,7
Asphaltic Shingles	A,B,D	1,2,4,5,6,7
Concrete or Clay Tile	A,B,D,E	1,2,3,4,5,6,7
Metal Roofs	A,B,D	1,2,3,4,5,6,7
Wood Shingles and Shakes	A,B,D	1,2,4,5,6,7
Other	As Applicable	1,2,3,4,5,6,7

**ATTACHMENTS REQUIRED:**

1.	Fire Directory Listing Page
2.	From Product Approval: Front Page Specific System Description Specific System Limitations General Limitations Applicable Detail Drawings
3.	Design calculations per Chapter 16, or if applicable, RAS 127 or RAS 128
4.	Other Component Product Approval
5.	Municipal Permit Application
6.	Owner's Notification for Roofing Considerations (Reroofing Only)
7.	Any Required Roof Testing / Calculation Documentation

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**Section A (General Information)**

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Master Permit Number: \_\_\_\_\_ Process Number: \_\_\_\_\_  
Contractor's Name: \_\_\_\_\_  
Job Address: \_\_\_\_\_

**ROOF CATEGORY**

- |                                             |                                                     |                                                     |
|---------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Low Slope          | <input type="checkbox"/> Mechanically Fastened Tile | <input type="checkbox"/> Mortar / Adhesive Set Tile |
| <input type="checkbox"/> Asphaltic Shingles | <input type="checkbox"/> Metal Panel/ Shingles      | <input type="checkbox"/> Wood Shingles / Shakes     |

**ROOF TYPE**

- |                                   |                                 |                                      |                                    |                                     |
|-----------------------------------|---------------------------------|--------------------------------------|------------------------------------|-------------------------------------|
| <input type="checkbox"/> New Roof | <input type="checkbox"/> Repair | <input type="checkbox"/> Maintenance | <input type="checkbox"/> Reroofing | <input type="checkbox"/> Recovering |
|-----------------------------------|---------------------------------|--------------------------------------|------------------------------------|-------------------------------------|

**ROOF SYSTEM INFORMATION**

Low Slope Roof Area (ft <sup>2</sup> )	Steep Sloped Roof Area (ft <sup>2</sup> )	Total (ft <sup>2</sup> )
_____	_____	_____

Are there gas vents on the roof? Yes No If Yes what type? Natural LPX

Is there an existing roof top Solar System? Yes No If yes will it be reinstalled? Yes No

**Section B (Roof Plan)**

Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.



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### Section C (Low Sloped Roof Systems)

**Fill in Specific Roof Assembly Components and Identify manufacturer  
(If a component is not used, identify as "NA")**

System Manufacturer: \_\_\_\_\_

Product Approval # \_\_\_\_\_

Design Wind Pressures, from RAS 128 or Calculations:

Zone 1': \_\_\_\_\_ Zone 1: \_\_\_\_\_ Zone 2: \_\_\_\_\_

Zone 3: \_\_\_\_\_

Max. Design Pressure, from the specific product approval system: \_\_\_\_\_

Deck Type: \_\_\_\_\_

Gauge / Thickness: \_\_\_\_\_

Slope: \_\_\_\_\_

Anchor/ Base Sheet & No. of Ply(s): \_\_\_\_\_

Anchor/ Base Sheet Fastener/ Bonding Material:  
\_\_\_\_\_

Insulation Base Layer: \_\_\_\_\_

Base Insulation Size and Thickness: \_\_\_\_\_

Base Insulation Fastener/ Bonding Material:  
\_\_\_\_\_

Top Insulation Layer: \_\_\_\_\_

Top Insulation Size and Thickness: \_\_\_\_\_

Top Insulation Fastener/Bonding Material:  
\_\_\_\_\_

Base Sheet(s) & No. of Ply(s): \_\_\_\_\_

Base Sheet Fastener/ Bonding Material:  
\_\_\_\_\_

Ply Sheet(s) and No. of Ply(s): \_\_\_\_\_

Ply Sheet Fastener/ Bonding Material:  
\_\_\_\_\_

Top Ply: \_\_\_\_\_

Top Ply Fastener/ Bonding Material:  
\_\_\_\_\_

Surfacing:  
\_\_\_\_\_

Fastener Spacing for Anchor/Base Sheet Attachment:  
\_\_\_\_\_

Zone 1' \_\_\_\_\_ " oc @ Laps, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Zone 1 \_\_\_\_\_ " oc @ Laps, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Zone 2 \_\_\_\_\_ " oc @ Laps # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Zone 3 \_\_\_\_\_ " oc @ Laps, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

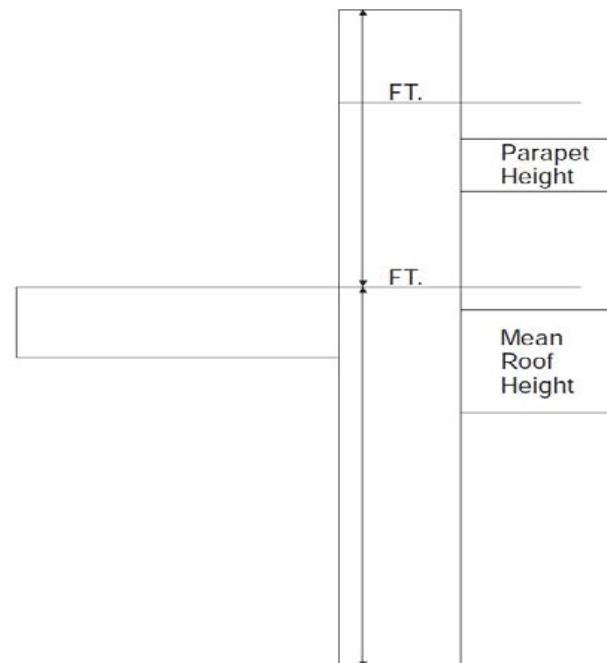
#### Number of Fasteners Per Insulation Board

Zone 1': \_\_\_\_\_ Zone 1: \_\_\_\_\_ Zone 2: \_\_\_\_\_ Zone 3: \_\_\_\_\_

#### Illustrated Components Noted and Details as Applicable:

Woodblocking, Gutter, Edge Termination, Stripping, Flashing, Continuous Cleat, Cant Strip, Base Flashing, Counterflashing, Coping, Etc.

**Indicate:** Mean Roof Height, Parapet Height, Height Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing or Submit Manufacturers Details that Comply with RAS 111 and Chapter 16.



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**Section D (Steep Sloped Roof System)**

Roof System Manufacturer: \_\_\_\_\_

Product Control Number: \_\_\_\_\_

Minimum Design Wind Pressures, From Applicable RAS 127 Table or Calculations:

Zone1: \_\_\_\_\_ Zone 2: \_\_\_\_\_ Zone3: \_\_\_\_\_

Slope Range:     $\geq 2:12$  to  $\leq 4:12$      $> 4:12$  to  $\leq 6:12$      $> 6:12$  to  $\leq 12:12$

Roof Shape:    All Hip Roof    Gable Roof or Partial Gable/Hip Roof

Deck Type: \_\_\_\_\_

Underlayment Type: \_\_\_\_\_

Roof Slope:

\_\_\_\_\_ : 12

Insulation: \_\_\_\_\_

Fire Barrier: \_\_\_\_\_

Ridge Ventilation?

Fastener Type & Spacing: \_\_\_\_\_

Cap Sheet Type: \_\_\_\_\_

Mean Roof Height: \_\_\_\_\_

Cap Sheet Attachment: \_\_\_\_\_

Roof Covering: \_\_\_\_\_

Drip Edge Type & Size: \_\_\_\_\_

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**Section E (Tile Calculations)**

For Moment based tile systems, choose Method 1. Compare the values for  $M_r$  with the values from  $M_f$ . If the  $M_f$  values are greater than or equal to the  $M_r$  values for each area of the roof, then the tile attachment method is acceptable.

**Method 1\* "Moment Based Tile Calculations per RAS 127"**

*Enter positive uplift pressures when using this table*

( Zone 1: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r1}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_

( Zone 2: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r2e}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_

( Zone 3: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r2n}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_

**Tile attachment method:**

**Alternate Tile attachment method :**

**\*Method 2 "Simplified Tile Calculations" only applicable in Broward County.**

For Uplift Based tile systems use Method 3. Compare the values for  $F'$  with the values for  $F_r$ . If the  $F'$  values are greater than or equal to the  $F_r$  values for each area of the roof, then the tile attachment method is acceptable.

**Method 3\* "Uplift Based Tile Calculations per RAS 127"**

(Zone 1: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r1}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_

(Zone 2: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r2}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_

(Zone 3: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r3}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_

<b>Where to obtain information</b>		
<b>Description</b>	<b>Symbol</b>	<b>Where to Find</b>
Design Pressure	Zones 1, 2, & 3	From the applicable Table in RAS- 127 or be an engineering analysis prepared by a PE based upon ASCE 7
Mean Roof Height	H	Job Site
Roof Slope	$\theta$	Job Site
Aerodynamic Multiplier	$\lambda$	Product Approval / Notice of Acceptance
Restoring Moment due to Gravity	$M_g$	Product Approval / Notice of Acceptance
Attachment Resistance	$M_f$	Product Approval / Notice of Acceptance
Required Moment Resistance	$M_r$	Calculated
Minimum Attachment Resistance	$F'$	Product Approval / Notice of Acceptance
Required Uplift Resistance	$F_r$	Calculated
Average Tile Weight	w	Product Approval / Notice of Acceptance
Tile Dimensions	L=Length W= Width	Product Approval / Notice of Acceptance
All calculations must be submitted to the Building Official at the time of permit application.		