

**Florida Building Code 8th Edition (2023)**

**High Velocity Hurricane Zone Uniform Roofing Application Form for Miami Gardens**

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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:<br>Front Page<br>Specific System Description<br>Specific System Limitations<br>General Limitations<br>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)**

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

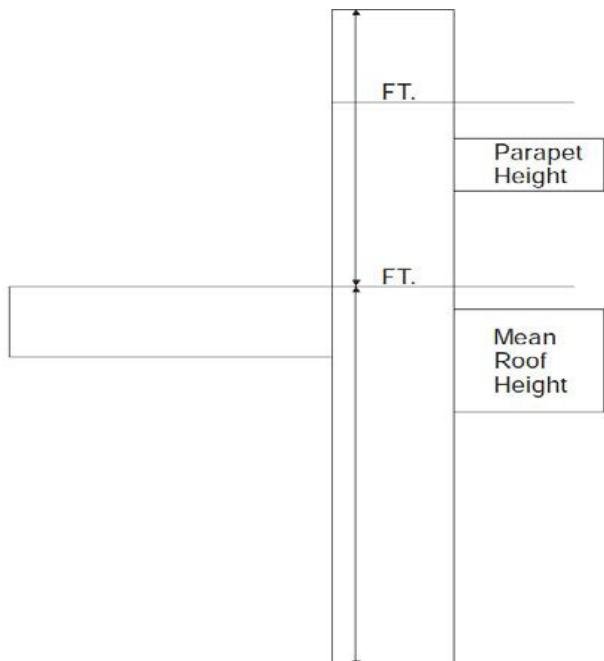
### Number of Fasteners Per Insulation Board

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 2e: \_\_\_\_\_ Zone2n: \_\_\_\_\_ Zone 2r: \_\_\_\_\_ Zone 3e: \_\_\_\_\_ Zone 3r: \_\_\_\_\_

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 2e: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r2e}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_  
 ( Zone 2n: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r2n}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_  
 ( Zone 2r: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r2r}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_  
 ( Zone 3e: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r3e}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_  
 ( Zone 3r: \_\_\_\_\_  $\times \lambda$  \_\_\_\_\_ = \_\_\_\_\_ ) –  $M_g$ : \_\_\_\_\_ =  $M_{r3r}$  \_\_\_\_\_ Product Approval  $M_f$ : \_\_\_\_\_

**Tile attachment method:**

**Alternate Tile attachment method :**

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 2e: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r2e}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_  
 (Zone 2n: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r2n}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_  
 (Zone 2r: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r2r}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_  
 (Zone 3e: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r3e}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_  
 (Zone 3r: \_\_\_\_\_  $\times L$  = \_\_\_\_\_  $\times W$  = \_\_\_\_\_ ) – (  $w$  )  $\times \cos \theta$  \_\_\_\_\_ ) =  $F_{r3r}$  \_\_\_\_\_ Product Approval  $F'$ : \_\_\_\_\_

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

| <b>Where to obtain information</b>   |                            |  |
|--|----------------------------|--|
| <b>Description</b>   | <b>Symbol</b>              | <b>Where to Find</b>   |
| Design Pressure  | Zones 1, 2e, 2n, 2r,3e, 3r | 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. |                            |  |

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# *City of Miami Gardens*

## **Building Division**

18605 NW 27<sup>th</sup> Avenue  
Miami Gardens, Florida 33056  
Telephone: 305-622-8000  
[www.miamigardens-fl.gov](http://www.miamigardens-fl.gov)

**Permit No.:** \_\_\_\_\_

## **Notice to Owner – Workers’ Compensation Insurance Exemption**

Florida Law requires Workers’ Compensation insurance coverage under Chapter 440 of the Florida Statutes. Fla. Stat. § allows corporate officers in the construction industry to exempt themselves from this requirement for any construction project prior to obtaining a building permit. Pursuant to the Florida Division of Workers’ Compensation Employer Facts Brochure:

**An employer in the construction industry who employs one or more part-time or full-time employees, including the owner, must obtain workers’ compensation coverage. Corporate officers or members of a limited liability company (LLC) in the construction industry may elect to be exempt if:**

1. The officer owns at least 10 percent of the stock of the corporation, or in the case of an LLC, a statement attesting to the minimum 10 percent ownership;
2. The officer is listed as an officer of the corporation in the records of the Florida Department of State, Division of Corporations; and
3. The corporation is registered and listed as active with the Florida Department of State, Division of Corporations.

No more than three corporate officers per corporation or limited liability company members are allowed to be exempt. Construction exemptions are valid for a period of two years or until a voluntary revocation is filed or the exemption is revoked by the Division.

Your contractor is requesting a permit under this workers’ compensation exemption. In these circumstances, the City of Miami Gardens does not require verification of workers’ compensation insurance coverage from the contractor’s company. **Therefore, you (the owner) may be personally liable for the worker compensation injuries of any person allowed to work under this permit.** Please check with your insurance carrier since most property insurance policies DO NOT cover this type of liability.

BY SIGNING BELOW YOU ACKNOWLEDGE THAT YOU HAVE READ THIS NOTICE AND UNDERSTAND ITS CONTENTS.

### **Owner**

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

State of \_\_\_\_\_, County of \_\_\_\_\_

Sworn to and subscribed before me this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.  
By \_\_\_\_\_

(SEAL)

Type of Identification produced: \_\_\_\_\_

### **Contractor**

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

State of \_\_\_\_\_, County of \_\_\_\_\_

Sworn to and subscribed before me this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.  
By \_\_\_\_\_

(SEAL)

Type of Identification produced: \_\_\_\_\_