

# BROWARD COUNTY UNIFORM BUILDING PERMIT APPLICATION

Select One Trade:  Building     Electrical     Plumbing     Mechanical     Other \_\_\_\_\_

Application Number: \_\_\_\_\_

Application Date: \_\_\_\_\_

|                          |  |  |                  |                          |                                     |                        |
|--------------------------|--|--|------------------|--------------------------|-------------------------------------|------------------------|
| 1                        | Job Address: _____   |  | Unit: _____      |                          | City: _____                         |                        |
|                          | Tax Folio No.: _____   |  | Flood Zn: _____  |                          | BFE: _____                          |                        |
|                          | Floor Area: _____  |  | Job Value: _____ |                          |                                     |                        |
|                          | Building Use: _____  |  |                  | Construction Type: _____ |                                     | Occupancy Group: _____ |
|                          | Present Use: _____   |  |                  | Proposed Used: _____     |                                     |                        |
|                          | Description of Work: _____   |  |                  |                          |                                     |                        |
|                          | <input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Repair <input type="checkbox"/> Alteration <input type="checkbox"/> Demolition <input type="checkbox"/> Revision <input type="checkbox"/> Other: _____ |  |                  |                          |                                     |                        |
| Legal Description: _____ |  |  |                  |                          | <input type="checkbox"/> Attachment |                        |

|   |                        |  |              |             |              |                         |
|---|------------------------|--|--------------|-------------|--------------|-------------------------|
| 2 | Property Owner: _____  |  | Phone: _____ |             | Email: _____ |                         |
|   | Owner's Address: _____ |  |              | City: _____ |              | State: _____ Zip: _____ |

|   |                         |  |   |             |                       |                         |
|---|-------------------------|--|---|-------------|-----------------------|-------------------------|
| 3 | Contracting Co.: _____  |  | Phone: _____                            |             | Email: _____          |                         |
|   | Company Address: _____  |  |   | City: _____ |                       | State: _____ Zip: _____ |
|   | Qualifier's Name: _____ |  | Owner-Builder: <input type="checkbox"/> |             | License Number: _____ |                         |

|                                  |   |  |              |             |                         |                         |
|----------------------------------|---|--|--------------|-------------|-------------------------|-------------------------|
| 4                                | Architect/Engineer's Name: _____                              |  | Phone: _____ |             | Email: _____            |                         |
|                                  | Architect/Engineer's Address: _____                           |  |              | City: _____ |                         | State: _____ Zip: _____ |
|                                  | Bonding Company: _____  |  |              |             |                         |                         |
|                                  | Bonding Company Address: _____                                |  |              | City: _____ |                         | State: _____ Zip: _____ |
|                                  | Fee Simple Titleholder's name (if other than owner): _____    |  |              |             |                         |                         |
|                                  | Fee Simple Titleholder's Address (if other than owner): _____ |  |              | City: _____ |                         | State: _____ Zip: _____ |
|                                  | Mortgage Lender's Name: _____                                 |  |              |             |                         |                         |
| Mortgage Lender's Address: _____ |   |  | City: _____  |             | State: _____ Zip: _____ |                         |

Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, TANKS, and AIR CONDITIONERS, etc.

**OWNER'S AFFIDAVIT:** I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

**WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

X \_\_\_\_\_  
Signature of Property Owner or Agent

X \_\_\_\_\_  
Signature of Qualifier

STATE OF FLORIDA  
COUNTY OF BROWARD

STATE OF FLORIDA  
COUNTY OF BROWARD

Sworn to (or affirmed) and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ by \_\_\_\_\_

Sworn to (or affirmed) and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ by \_\_\_\_\_

\_\_\_\_\_  
(Type / Print Property Owner or Agent Name)

\_\_\_\_\_  
(Type / Print Qualifier's Name)

\_\_\_\_\_  
NOTARY'S SIGNATURE as to Owner or Agent's Signature

\_\_\_\_\_  
NOTARY'S SIGNATURE as to Qualifier's Signature

Notary Name \_\_\_\_\_  
(Print, Type or Stamp Notary's Name)

Notary Name \_\_\_\_\_  
(Print, Type or Stamp Notary's Name)

Personally Known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

Personally Known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

Type of Identification Produced \_\_\_\_\_

Type of Identification Produced \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ Permit Officer    Issue Date: \_\_\_\_\_ Code in Effect: \_\_\_\_\_

**A jurisdiction may use a supplemental page requesting additional information and citing other conditions, please inquire.**  
Note: If any development work as described in FS 380.04 Sec. 2 a-g is to be performed, a development permit must be obtained prior to the issuance of a building permit.

**Town of Hillsboro Beach Building Department**  
**1210 Hillsboro Mile**  
**Hillsboro Beach, FL 33062**  
**Tel #954-427-4011 | Fax #954-427-4834**



### **105.3.6 Asbestos**

The enforcing agency shall require each building *permit* for the demolition or renovation of an existing structure to contain an asbestos notification statement which indicates the owner's or operator's responsibility to comply with the provisions of Section 469.003, *Florida Statutes* and to notify the Department of Environmental Protection of his or her intentions to remove asbestos, when applicable, in accordance with state and federal law.

### **FBC 105.2.3.4 Development & Environmental Regulation Division**

All commercial, Industrial, Office, Warehouse, or any project where building materials are being removed or disturbed (walls, flooring, roofing) need to fill out form for review prior to permit approval.

### **Go Online to:**

[broward.org/EnvironmentAndGrowth/Pages/Default.aspx](http://broward.org/EnvironmentAndGrowth/Pages/Default.aspx).

Click on Applications and look for Asbestos Statement of Responsibilities Regarding Asbestos Instructions.

**Town of Hillsboro Beach Building Department**  
**1210 Hillsboro Mile**  
**Hillsboro Beach, FL 33062**  
**Tel #954-427-4011 | Fax #954-427-4834**



For roof assemblies required by this Code, the construction documents shall illustrate, describe, and delineate the type of roofing system, materials, fastening requirements and wind resistance rating that are required to be installed. Product evaluation and installation shall indicate compliance with the wind criteria required for the specific site or a statement by an Architect or Engineer for the specific site shall be submitted with the construction documents.

Town of Hillsboro Beach Building Department  
1210 Hillsboro Mile  
Hillsboro Beach, FL 33062  
Tel #954-427-4011 | Fax #954-427-4834



## SINGLE FAMILY RE-ROOFING AFFIDAVIT

Job Address \_\_\_\_\_

Permit #: \_\_\_\_\_

Florida Statute 553.844, FBC 2017 6<sup>TH</sup> Edition Section 706.8 (Existing Building code) Hurricane Mitigation retrofits requires this Affidavit along with the High Velocity Hurricane Zone Uniform Permit Application Form.

1- Was the dwelling permitted before 1994? Yes  No  (Year) \_\_\_\_\_

If "No" Stop here and submit application.

If "Yes" Go to next step.

2- Is the value of the dwelling more than \$300,000? Yes  No

If "No", provide copy of the Ad Valorem taxation or copy of insured value.

If "Yes", the following documents are required:

Roof to wall connections Certificate In accordance with sections 706.8

FBC 2017 Existing Building Code

Copy of Proposal showing Cost of retrofit hips or gables up to 15% of cost of Roof

### 706.8.1.7 Priorities for mandated roof-to-wall retrofit expenditures.

Priority shall be given to connecting the exterior corners of roofs to walls where the spans of the roofing members are greatest. For houses with both hip and gable roof ends, the priority shall be to retrofit the gable end roof-to-wall connections unless the width of the hip end is more than 1.5 times greater than the width of the gable end. When considering priorities for houses with both hip and gable roof ends, and the fifteen percent of the cost of roof replacement is sufficient to complete all of the prioritized elements pursuant to this section, but is not sufficient to complete all of the no prioritized elements, then no portion of complete retrofit of the non-prioritized element is required.

- Florida Registered Professional Engineer  Florida Registered Architect
- Licensed General contractor  Building Contractor  Residential Contractor
- Person certified in the structural discipline under FS 468
- Engineered Design  Prescriptive 706.8.1.3 thru 706.8.1.6  Table 706.8.1

I hereby certify that the roof to wall connections comply or exceeds the requirements mentioned above,

Certifier \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

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

Who is personally known \_\_\_\_\_ or Produced ID \_\_\_\_\_

\_\_\_\_\_  
Notary Public, State of Florida

Notary Seal:

Town of Hillsboro Beach Building Department  
1210 Hillsboro Mile  
Hillsboro Beach, FL 33062  
Tel #954-427-4011 | Fax #954-427-4834



**All low slope roofing applications require this Rooftop Equipment Affidavit along  
With the High Velocity Hurricane Zone Uniform Permit Application Form.**

## ROOFTOP EQUIPMENT AFFIDAVIT

Address #: \_\_\_\_\_ Application #: \_\_\_\_\_

Subdivision: \_\_\_\_\_ Lot: \_\_\_\_\_ Block: \_\_\_\_\_

Company Name: \_\_\_\_\_

Job Address: \_\_\_\_\_

Name of Qualifier: \_\_\_\_\_ License #: \_\_\_\_\_

Is there any equipment on the rooftop? Yes  No

If Yes: Is there an existing code-approved curb or stand? Yes  No

If curb or stand is proposed, two (2) copies of plans sealed by an engineer showing the attachment of stand/curb to roof and to the equipment are required. These plans must be according to Florida Building Code Section 1525 in its entirety. Upon submittal of an alteration or addition of a curb or stand, the Planning Division may determine that alteration of an existing screening device or addition of a screening device may be required.

Is there any electrical work to be completed?

No  Yes  If Yes: An electrical permit application is needed.

\_\_\_\_\_  
Qualifier/Contractor Signature Date

Print Name of person signing document \_\_\_\_\_

Sworn to (or affirmed) and subscribed before me this \_\_\_\_/\_\_\_\_/\_\_\_\_

Who is personally known \_\_\_\_\_ OR Produced ID \_\_\_\_\_

\_\_\_\_\_  
Notary Public Signature

Notary Seal:



**Section RR1525**  
**HIGH VELOCITY HURRICANE ZONES –**  
**REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS**

§RR1525 Scope. As it pertains to this section, it is the responsibility of the roofing contractor to provide the owner with the required roofing permit, and to explain to the owner the content of this section. The provisions of Chapter 15 of the *Florida Building Code, Building* govern the minimum requirements and standards of the industry for roofing system installations. Additionally, the following items should be addressed as part of the agreement between the owner and the contractor. The owner's initial in the designated space indicates that the item has been explained.

\_\_\_\_ **1. Aesthetics-Workmanship:** The workmanship provisions of Chapter 15 (High Velocity Hurricane Zone) are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) are not a consideration with respect to workmanship provisions. Aesthetic issues such as color or architectural appearance, that are not part of a zoning code, should be addressed as part of the agreement between the owner and the contractor.

\_\_\_\_ **2. Renailing Wood Decks:** When replacing roofing, the existing wood roof deck may have to be renailed in accordance with the current provisions of Chapter 16 (High Velocity Hurricane Zones) of the *Florida Building Code, Building*. (The roof deck is usually concealed prior to removing the existing roof system).

\_\_\_\_ **3. Common Roofs:** Common roofs are those which have no visible delineation between neighboring units (i.e., townhouses, condominiums, etc.). In buildings with common roofs, the roofing contractor and/or owner should notify the occupants of adjacent units of roofing work to be performed.

\_\_\_\_ **4. Exposed ceilings:** Exposed, open beam ceilings are where the underside of the roof decking can be viewed from below. The owner may wish to maintain the architectural appearance; therefore, roofing nail penetrations of the underside of the decking may not be acceptable. The provides the option of maintaining this appearance.

\_\_\_\_ **5. Ponding Water:** The current roof system and/or deck of the building may not drain well and may cause water to pond (accumulate) in low-lying areas of the roof. Ponding can be an indication of structural distress and may require the review of a professional structural engineer. Ponding may shorten the life expectancy and performance of the new roofing system. Ponding conditions may not be evident until the original roofing system is removed. Ponding conditions should be corrected.

\_\_\_\_ **6. Overflow Scuppers (wall outlets):** It is required that rainwater flow off so that the roof is not overloaded from a buildup of water. Perimeter/edge walls or other roof extensions may block this discharge if overflow scuppers (wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the requirements of Chapter 15 and 16 herein and the *Florida Building Code, Plumbing*.

\_\_\_\_ **7. Ventilation:** Most roof structures should have some ability to vent natural airflow through the interior of the structural assembly (the building itself). The existing amount of attic ventilation shall not be reduced. It may be beneficial to consider additional venting which can result in extending the service life of the roof.

\_\_\_\_\_  
Owner's/Agent's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor's Signature



**SECTION 1525**

**Florida Building Code 6th Edition (2017)**  
**High-Velocity Hurricane Zone Uniform Permit Application Form**

**INSTRUCTION PAGE:**

Complete the necessary sections of the Uniform Roofing Permit Application Form and Attach the required documents as noted below:

| Roof System              | Required Sections of the Permit Application Form | Attachments Required See List Below |
|--------------------------|--|-------------------------------------|
| Low Slope Application    | A,B,C  | 1,2,3,4,5,6,7                       |
| Prescriptive BUR-RAS 150 | A,B,C  | 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 of Product Approval   |
| 5. | Municipal Permit Application  |
| 6. | Owners Notification for Roofing Considerations (Reroofing Only)   |
| 7. | Any Required Roof Testing/Calculation Documentation   |

Town of Hillsboro Beach Building Department  
1210 Hillsboro Mile  
Hillsboro Beach, FL 33062  
Tel #954-427-4011 | Fax #954-427-4834



Florida Building Code 6th Edition (2017)  
High-Velocity Hurricane Zone Uniform Permit Application Form

**Section A (General Information)**

Master Permit No. \_\_\_\_\_ Process No. \_\_\_\_\_

Contractor's Name \_\_\_\_\_

Job Address \_\_\_\_\_

ROOF CATEGORY

- Low Slope
- Mechanically Fastened Tile
- Mortar/Adhesive Set Tile
- Asphaltic Shingles
- Metal Panel/Shingles
- Wood Shingles/Shakes
- Prescriptive BUR-RAS 150

ROOF TYPE

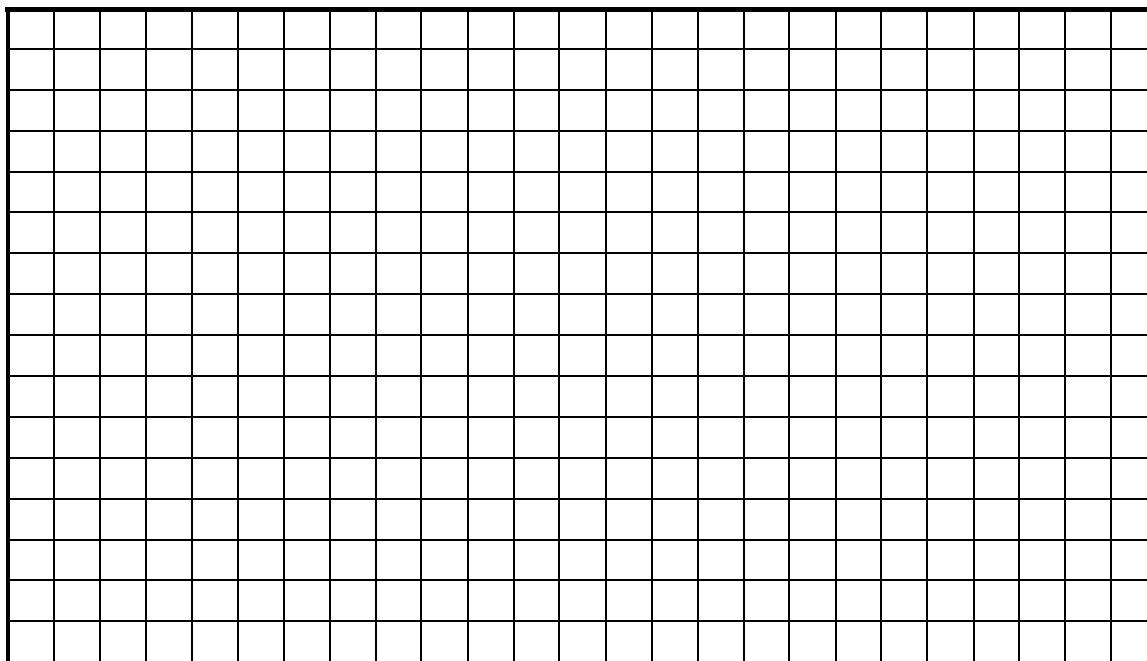
- New Roof
- Repair
- Maintenance
- Reroofing
- Recovering

ROOF SYSTEM INFORMATION

Low Slope Roof Area (SF) \_\_\_\_\_ Steep Sloped Roof Area (SF) \_\_\_\_\_ Total (SF) 0

**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.





Town of Hillsboro Beach Building Department  
 1210 Hillsboro Mile  
 Hillsboro Beach, FL 33062  
 Tel #954-427-4011 | Fax #954-427-4834



**Florida Building Code 6th Edition (2017)**  
 High-Velocity Hurricane Zone Uniform Permit Application Form

**Section C (Low Slope Application)**

Fill in specific roof assembly components and identify manufacturer  
 (If a component is not used, identify as "NA")

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

Product Approval No.: \_\_\_\_\_

Design Wind Pressures, From RAS 128 or Calculations:

P1: \_\_\_\_\_ P2: \_\_\_\_\_ P3: \_\_\_\_\_

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

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

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

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

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

Spacing for Anchor/Base Sheet Attachment: Field:

\_\_\_\_\_ " oc @ Lap, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Perimeter: \_\_\_\_\_ " oc @ Lap, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

Corner: \_\_\_\_\_ " oc @ Lap, # Rows \_\_\_\_\_ @ \_\_\_\_\_ " oc

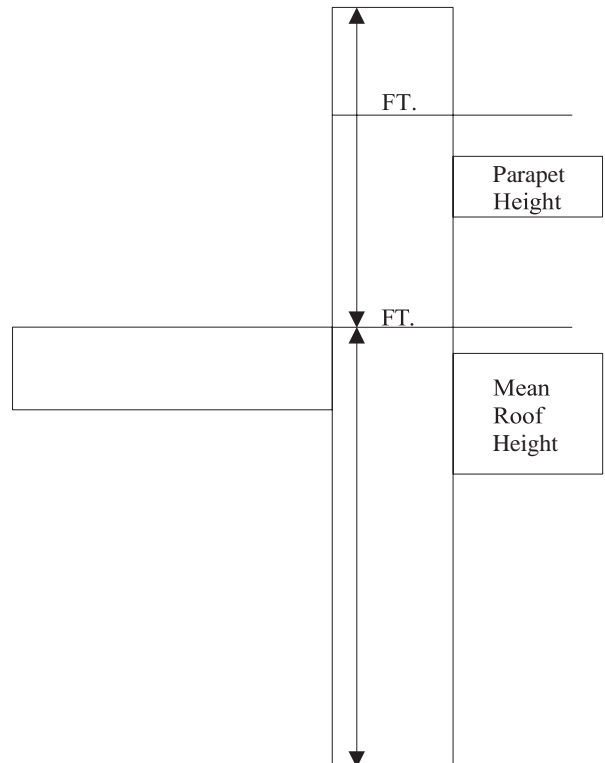
Number of Fasteners Per Insulation Board:

Field \_\_\_\_\_ Perimeter \_\_\_\_\_ Corner \_\_\_\_\_

**Illustrate Components Noted and Details as Applicable:**

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

Indicate: Mean Roof Height, Parapet Height, Height of Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing or Submit





Florida Building Code Edition 6th Edition (2017)  
High-Velocity Hurricane Zone Uniform Permit Application Form

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

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

Notice of Acceptance Number: \_\_\_\_\_

Minimum Design Wind Pressures, If Applicable (From RAS 127 or Calculations):

P1: \_\_\_\_\_ P2: \_\_\_\_\_ P3: \_\_\_\_\_

**Step Sloped Roof System Description**

Roof Slope:  
\_\_\_\_\_: 12

Ridge Ventilation?  
\_\_\_\_\_

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

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

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

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

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

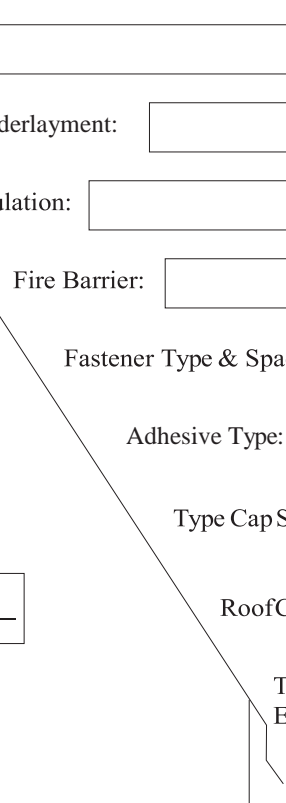
Fastener Type & Spacing: \_\_\_\_\_

Adhesive Type: \_\_\_\_\_

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

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

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





**Florida Building Code 6th Edition (2017)**  
**High-Velocity Hurricane Zone Uniform Permit Application Form**  
**Section E (Tile Calculations)**

For Moment based tile systems, choose either Method 1 or 2. 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"**

(P1:  $\square \square \square = \square$ ) - Mg:  $\square = M_{r1}$   $\square$  Product Approval  $M_f$   $\square$   
 (P2:  $\square \square \square = \square$ ) - Mg:  $\square = M_{r2}$   $\square$  Product Approval  $M_f$   $\square$   
 (P3:  $\square \square \square = \square$ ) - Mg:  $\square = M_{r3}$   $\square$  Product Approval  $M_f$   $\square$

**Method 2 "Simplified Tile Calculations Per Table Below"**

Required Moment of Resistance ( $M_r$ ) From Table Below  $\square$  Product Approval  $M_f$   $\square$

| M <sub>r</sub> required Moment Resistance* |      |      |      |      |      |
|--|------|------|------|------|------|
| Mean Roof Height                           | 15'  | 20'  | 25'  | 30'  | 40'  |
| R 2:12                                     | 34.4 | 36.5 | 38.2 | 39.7 | 42.2 |
| 3:12                                       | 32.2 | 34.4 | 36.0 | 37.4 | 39.8 |
| 4:12                                       | 30.4 | 32.2 | 33.8 | 35.1 | 37.3 |
| 5:12                                       | 28.4 | 30.1 | 31.6 | 32.8 | 34.9 |
| 6:12                                       | 26.4 | 28.0 | 29.4 | 30.5 | 32.4 |
| 7:12                                       | 24.4 | 25.9 | 27.1 | 28.2 | 30.0 |

\*Must be used in conjunction with a list of moment-based tile systems endorsed by the Broward County Board of Rules and Appeals.

For Uplift based tile systems use Method 3. Compared 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 "Moment Based Tile Calculations Per RAS 127"**

(P1:  $\square L = \square w = \square$ ) - W:  $\square \cos \delta = F_{r1}$   $\square$  Product Approval  $F'$   $\square$   
 (P2:  $\square L = \square w = \square$ ) - W:  $\square \cos \delta = F_{r2}$   $\square$  Product Approval  $F'$   $\square$   
 (P3:  $\square L = \square w = \square$ ) - W:  $\square \cos \delta = F_{r3}$   $\square$  Product Approval  $F'$   $\square$

| Where to Obtain Information     |                         |  |
|---------------------------------|-------------------------|--|
| Description                     | Symbol                  | Where to find  |
| Design Pressure                 | P1 or P2 or P3          | RAS 127 Table 1 or by an engineering analysis prepared by PE based on ASCE 7 |
| Mean Roof Height                | H                       | Job Site   |
| Roof Slope                      | $\delta$                | Job Site   |
| Aerodynamic Multiplier          |                         | Product Approval   |
| Restoring Moment due to Gravity | $M_g$                   | Product Approval   |
| Attachment Resistance           | $M_f$                   | Product Approval   |
| Required Moment Resistance      | $M_g$                   | Calculated   |
| Minimum Attachment              | $F'$                    | Product Approval   |
| Required Uplift Resistance      | $F_r$                   | Calculated   |
| Average Tile Weight             | W                       | Product Approval   |
| Tile Dimensions                 | L = length<br>W = width | Product Approval   |

All calculations must be submitted to the building official at the time of permit application.