



RESIDENTIAL ROOFING APPLICATION & PACKET INFORMATION

As of July 1, 2015, the Building Code for City of Homestead has been changed to the 2014 Florida Building Code High Velocity Hurricane Zone Requirements.

Following is a brief summary of the changes for **Residential Roofing**:

- Roofing requirements will be from Section **R4402 of 2014 Florida Building Code** and the supplemental **“Test Protocols for High Velocity Hurricane Zones.”**
- **“The High Velocity Hurricane Zone Uniform Permit Application”** form is required for every roof permit issued. (See Attached)
- All roofing work done shall be in accordance with the **Dade County and State of Florida Notices of Acceptance and Roof Application Standards (R.A.S.)**.
- Other components such as roof vents must have **Notices of Acceptance** at time of permit.
- Gutters are required to be added to all roofs having a six (6) inch or less overhang eave.
- All Re-roofs require an **“Owner Notification for Roofing Considerations”** form filled at time of permit. (See Attached)
- Tile roofing permits require uplift calculations using method 1, 2, or 3 of Section E in the **Uniform Permit Application**.
- All nails used for roofing are to be ringshank and meet **ASTM G85 standards** for corrosion resistance.
- Adhesive set and mortar set tile roofs require uplift test to be performed before final approval.
- Re-nail affidavits or specific re-nail of sheathing inspections are not required in the new code.
- Hot mop inspections are required in progress for all deck types.
- Shingle roofs cannot be applied to roofs over 33 feet in mean height unless allowed by N.O.A.
- You will need to purchase a copy of the 2014 Residential Florida Building Code and **“Test Protocols for High Velocity Hurricane Zones”** to understand all requirements

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REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

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 this chapter 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 Section RR4402 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 own 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 Section RR4402. (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. This 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 flows 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 scuppers in accordance with the requirements of RR4403 and RR4413.

7 _____ Ventilation: Most roof structures should have some ability to vent natural air flow 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

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 Notice of Acceptance: 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 Notice of Acceptances
5. Municipal Permit Application
6. Owners Notification for Roofing Considerations (Re-Roofing Only)
7. Any Required Roof Testing/Calculation Documentation

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High-Velocity Hurricane Zone Uniform Permit Application Form.

Section A (General Information)

Master Permit No. _____ Process No. _____

Contractor's Name _____

Job Address _____

ROOF CATEGORY

- | | | |
|---------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
| <input type="checkbox"/> Low Slope | <input type="checkbox"/> Mechanically Fastened Tile | <input type="checkbox"/> Mortar/Adhesive Set Tiles |
| <input type="checkbox"/> Asphaltic Shingles | <input type="checkbox"/> Metal Panel/Shingles | <input type="checkbox"/> Wood Shingles/Shakes |
| | <input type="checkbox"/> Prescriptive BUR-RAS 150 | |

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 (SF) _____ Steep Sloped Roof AREA (SSF) _____ Total (SF) _____

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.

A large grid for sketching the roof plan, consisting of 20 columns and 20 rows of squares.

**Florida Building Code 5th Edition (2014)
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: _____

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, Counterflashing, Coping, Etc.

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

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: _____

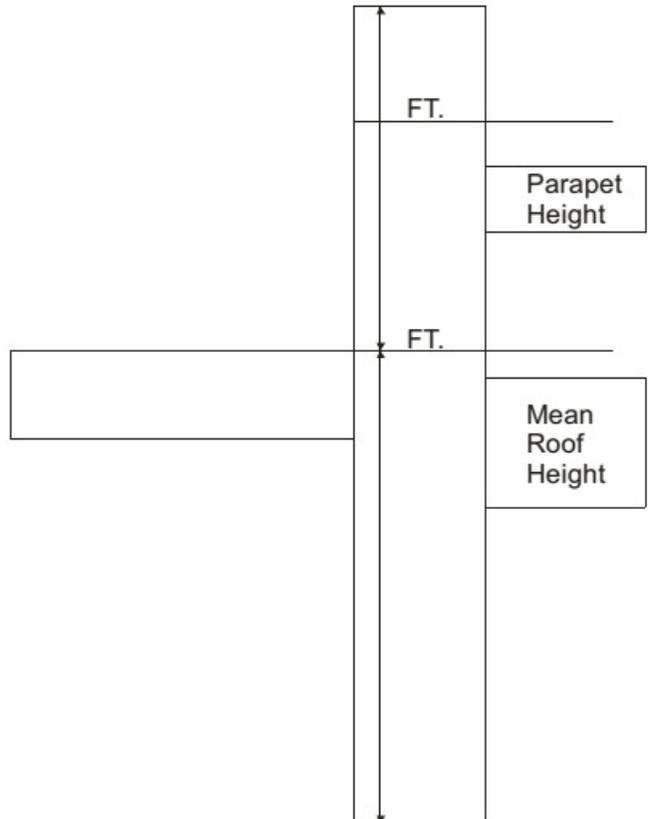
Top Insulation Fastener/Bonding Material:

Base Sheet(s) & No. of Ply(s): _____

Base Sheet Fastener/Bonding Material:

Ply Sheet(s) & No. of Ply(s): _____

Ply Sheet Fastener/Bonding Material:



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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: _____ P1: _____ P1: _____

Deck Type:

Type Underlayment:

Insulation:

Fire Barrier:

Fastener Type & Spacing:

Adhesive Type:

Type Cap Sheet:

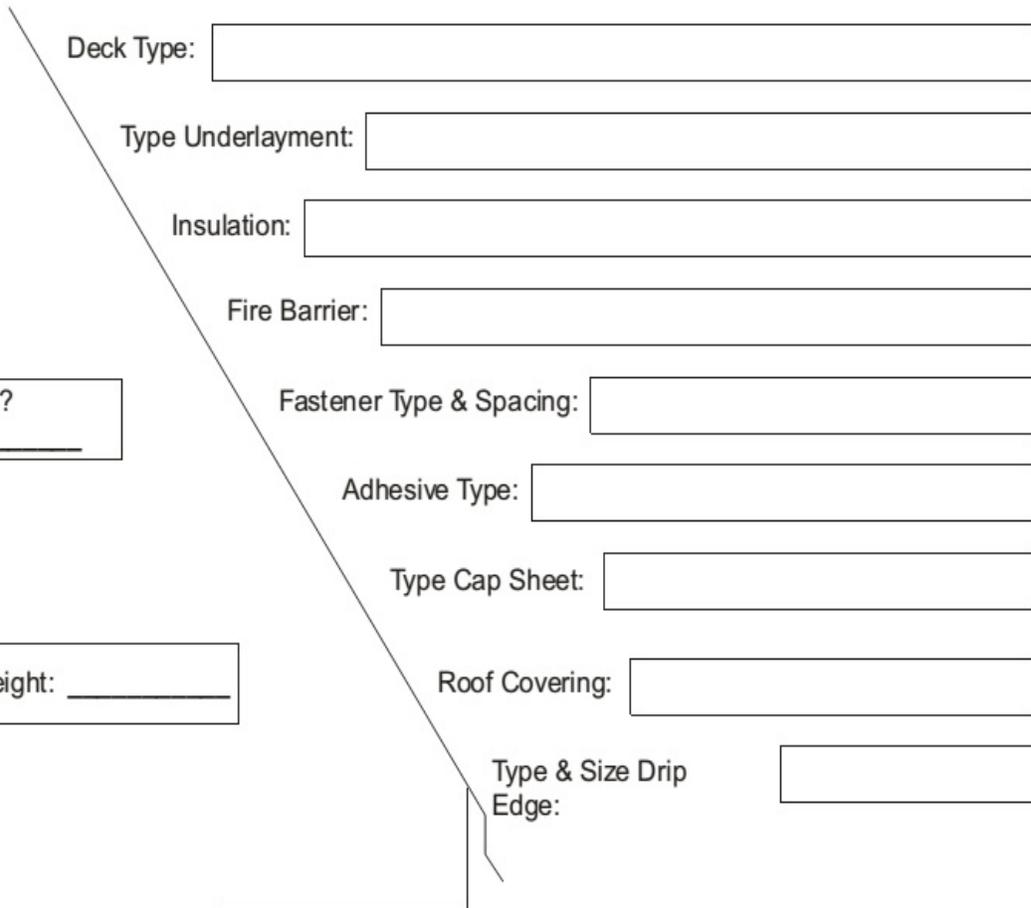
Roof Covering:

Type & Size Drip Edge:

Roof Slope:
_____: 12

Ridge Ventilation?

Mean Roof Height: _____



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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_i . If the M_i 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: ___ x λ ___ = ___) - Mg: ___ = M_{r1} ___ Product Approval M_i _____
 (P2: ___ x λ ___ = ___) - Mg: ___ = M_{r2} ___ Product Approval M_i _____
 (P3: ___ x λ ___ = ___) - Mg: ___ = M_{r3} ___ Product Approval M_i _____

Method 2 "Simplified Tile Calculations Per Table Below"

Required Moment of Resistance (M_r) From Table Below _____ Product Approval M_i _____

M _r required Moment Resistance*					
Mean Roof Height Roof Slope	15'	20'	25'	30'	40'
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 "Uplift Based Tile Calculations Per RAS 127"

(P1: ___ x L ___ = ___ x w: = ___) - W: ___ x cos θ ___ = F_{r1} ___ Product Approval F' _____
 (P2: ___ x L ___ = ___ x w: = ___) - W: ___ x cos θ ___ = F_{r2} ___ Product Approval F' _____
 (P3: ___ x L ___ = ___ x w: = ___) - W: ___ x cos θ ___ = F_{r3} ___ Product Approval F' _____

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	θ	Job Site
Aerodynamic Multiplier	λ	Product Approval
Restoring Moment due to Gravity	M_g	Product Approval
Attachment Resistance	M_i	Product Approval
Required Moment Resistance	M_g	Calculated
Minimum Attachment Resistance	F'	Product Approval
Required Uplift Resistance	F_r	Calculated
Average Tile Weight	W	Product Approval
Tile Dimensions	L = length W = width	Product Approval
All calculations must be submitted to the building official at the time of permit application.		

**CITY OF HOMESTEAD
DEVELOPMENT SERVICES
100 CIVIC COURT
HOMESTEAD FL 33030
T: 305.224.4500 F: 305.224.4539**



**AFFIDAVIT OF COMPLIANCE WITH ROOF DECKING ATTACHMENT AND SECONDARY WATER
BARRIER HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY
RESIDENTIAL STRUCTURES PURSUANT TO SECTION 553.844 F.S.**

To: City of Homestead
Development Services
100 Civic Court
Homestead FL 33030

Re: Owner's Name: _____
Property Address: _____
Roofing Permit Number: _____

Dear Building Official:

I _____ certify that the roof decking attachment and fasteners have been strengthened and corrected and a secondary water barrier has been provided as required by the "Manual of Hurricane Mitigation Retrofits for Existing Site-Built Single Family Structures" adopted by the Florida Building Commission by Rule 9B-3.047 F.A.C.

Signature of Qualifying Agent

Print Name

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this _____ day of _____, 20____,

Signature of Notary Public

SEAL:

Personally known Or Produced Identification

OWNER'S AFFIDAVIT OF EXEMPTION

**ROOF TO WALL CONNECTION HURRICANE MITIGATION RETROFIT FOR EXISTING SITEBUILT
SINGLE FAMILY RESIDENTIAL STRUCTURES PURSUANT TO SECTION 553.844 F.S.**

To: City of Homestead
Development Services
100 Civic Court
Homestead FL 33030

Re: Owner's Name: _____
Property Address: _____
Roofing Permit Number: _____

Dear Building Official:

I _____ certify that I am not required to retrofit the roof to wall connections of my building because:

- The just valuation for the structure for purposes of ad valorem taxation is less than \$300,000.00.
- The building was constructed in compliance with the provisions of the Florida Building Code (FBC) or with the provisions of the 1994 edition of the South Florida Building Code (1994 SFBC).

Signature of Property Owner

Print Name

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this _____ day of _____, 20____,

Signature of Notary Public

SEAL:

Personally known Or Produced Identification

When the just valuation of the structure for purposes of ad valorem taxation is equal to or more than \$300,000.00, and the building was not constructed in compliance with the FBC nor with 1994 SFBC, and affidavit of Roof to Wall Connection Hurricane Mitigation Retrofit must be provided.

**AFFIDAVIT OF COMPLIANCE WITH ROOF TO WALL CONNECTION
HURRICANEMITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL
STRUCTURES PURSUANT TO SECTION 553.844 F.S.**

To: City of Homestead
Development Services
100 Civic Court
Homestead FL 33030

Re: Owner's Name: _____
Property Address: _____
Roofing Permit Number: _____

Dear Building Official:

I _____, certify that I have improved the roof to wall connections of the referenced property as required by the Manual of Hurricane Mitigation Retrofits for Existing Site-Built Single Family Residential Structures as adopted by the Florida Building Commission by Rule 9B-3.047 F.A.C.

Signature of Qualifying Agent

Print Name

License Number

STATE OF FLORIDA COUNTY OF MIAMI-DADE

Sworn to and subscribed before me this _____ day of _____, 20____,

Signature of Notary Public

SEAL:

Personally known Or Produced Identification