

BUILDING DEPARTMENT

1000 Broward County Building Dept

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781-688-9271

FORMS NEEDED FOR ROOF PERMIT

OWNER BUILDER MAY DO SHINGLE ROOF ONLY

- Permit Application (use black ink only)
- Owner Builder Affidavit if homeowner is acting as contractor (owner must provide proof of residency at job address and this affidavit must be signed before a Notary Public at the Building Department)
- 2 Notices of Commencement if job cost is \$2,500 or more (filed at Broward County Government Center East, Room 114, 115 S. Andrews Avenue, Fort Lauderdale, FL)
- 2 completed roofing application packets
- 2 copies of Miami-Dade County Notice of Acceptance (product approvals) obtained from point of purchase (please circle appropriate information instead of highlighting)

Re-roofs (single-family residences) require:

- 2 Water Barrier/Sheathing Rerailing Affidavits (complete owner and job address information only at time of submission - remainder of form to be completed and placed on job site by final inspection)

Single-family residences with an assessed value of \$300,000 or more require:

- One copy of the Broward County Property Appraiser's assessed valuation of the building (see attached sample) - available at www.bcpa.net.
- Two Roof to Wall Connection Affidavits (complete owner and job address information only at time of submission - remainder of form to be completed and placed on job site by final inspection)

WATER BARRIER/SHEATHING RENAILING AFFIDAVIT

PERMIT NUMBER _____

OWNER _____

JOB ADDRESS _____

I HERBY CERTIFY THAT:

A. THE DECK HAS BEEN RE-NAILED AT 6" ON CENTER FOR PLYWOOD DECKS AND 2 FASTENERS PER BOARD FOR BOARD ON BOARD DECKS WITH 80 RING SHANK NAILS WITH THE FOLLOWING MINIMUM DIMENSIONS:

- 1) 0.113-INCH NOMINAL SHANK DIAMETER
- 2) RING DIAMETER OF 0.012 OVER THE SHANK DIAMETER
- 3) 16 TO 20 SHANKS PER INCH
- 4) 0.280 INCH FULL ROUND HEAD DIAMETER
- 5) RING SHANK TO EXTEND A MINIMUM OF 1 1/2" FROM THE TIP OF THE NAIL
- 6) 2 1/2 INCH NAIL LENGTH.

B. A SECONDARY WATER BARRIER HAS BEEN HAS BEEN INSTALLED AS FOLLOWS:

4" STRIP OF SELF-ADHERING POLYMER MODIFIED BITUMEN TAPE HAS BEEN APPLIED TO ALL JOINTS IN THE PLYWOOD DECK.

AN ASPHALT IMPREGNATED 30# FELT UNDERLAYMENT HAS BEEN INSTALLED PER FBC HVHZ.

EXCEPTIONS

- 1) ROOF SLOPES < 2:12 HAVING A CONTINUOUS ROOF SYSTEM SHALL BE DEEMED TO COMPLY WITH REQUIREMENTS FOR A SECONDARY WATER BARRIER.
- 2) CLAY AND CONCRETE TILE ROOF SYSTEMS INSTALLED AS REQUIRED BY THE FLORIDA BUILDING CODE ARE DEEMED TO COMPLY WITH THE REQUIREMENTS FOR SECONDARY WATER BARRIERS.

C. A COPY OF THIS AFFIDAVIT HAS BEEN DELIVERED TO THE HOMEOWNER.

QUALIFIER'S SIGNATURE _____ DATE _____
(LICENSED ROOFING CONTRACTOR)

NAME PRINTED _____ LICENSE NUMBER _____

NOTARY _____ DATE _____

2019-2020 BC Building Code
2019/2020 BC Building Code (2015) - 11/1/2019

ROOF TO WALL CONNECTION AFFIDAVIT

PERMIT NUMBER _____

OWNER _____

JOB ADDRESS _____

I HERBY CERTIFY THAT:

THE EXISTING ROOFING FRAMING TO WALL CONNECTIONS ARE A MINIMUM OF 1/8 INCH BY 1-INCH STRAP NAILED WITH 3 16d NAILS.

APPROVED STRAP TIES OR RIGHT ANGLE GUSSET BRACKETS WITH A MINIMUM UPLIFT CAPACITY OF 500 LBS HAVE BEEN INSTALLED CONNECTING THE ROOF FRAMING TO THE WALL BELOW.

A COPY OF THIS AFFIDAVIT HAS BEEN DELIVERED TO THE HOMEOWNER. THIS AFFIDAVIT IS REQUIRED FOR HOUSES THAT HAVE AN ASSESSED VALUE OF \$ 300,000 OR MORE FOR THE STRUCTURE.

QUALIFIER'S SIGNATURE _____ DATE _____

NAME PRINTED _____

LICENSE NUMBER _____
(GC BC REGISTERED ARCHITECT/ENGINEER ONLY)

NOTARY _____ DATE: _____

SEAL:

SECTION 1525
HIGH-VELOCITY HURRICANE ZONES UNIFORM PERMIT APPLICATION
Florida Building Code Edition 2010
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,O,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 of Product Approval
5.	Municipal Permit Application
6.	Owners Notification for Roofing Considerations (Reroofing Only)
7.	Any Required Roof Testing/Calculation Documentation

**CHAPTER 15, SECTION 1524 HIGH
VELOCITY HURRICANE ZONES
REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS**

1524.1 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 initials 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 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 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 (ie., 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 owner 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: Chapters 16 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.

Exception: Attic spaces, designed by a Florida-licensed engineer or registered architect to eliminate the attic venting, venting shall not be required.

Owner's/ Agent's Signature

Date

Contractor's Signature

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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:

Pmax1 : _____ Pmax2: _____ Pmax3: _____

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
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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

FT.

Parapet
J:~g~



Mean
Roof
Height

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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="radio"/> Low Slope | <input type="radio"/> Mechanically Fastened Tile | <input type="radio"/> Mortar/Adhesive Set Tile |
| <input type="radio"/> Asphaltic Shingles | <input type="radio"/> Metal Panel/Shingles | <input type="radio"/> Wood Shingles/Shakes |
| <input type="radio"/> Prescriptive aURoRAS 150 | | |

ROOF TYPE

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

ROOF SYSTEM

INFORMATION

Low Slope Roof Area (SF)

Steep Sloped Roof Area (SF)

Total (SF)

Section B (Roof Plan)

Attach 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 traps.

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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~: 1: P2: P3:
Maximum Design Pressure (From the Product Approval Specific System):

Steep Sloped Roof System Description

Deck Type: | ~ _____ ~

Type Underlayment: ,

Roof Slope:
___ : 12

Insulation: | ~ _____ ~

Fire Barrier:

Ridge Ventilation? |

Fastener Type & Spacing:

Adhesive Type:

Type Cap Sheet:

Mean Roof Height: ----

Roof Covering:

Type & Size Drip
' Edge:

'

Florida Building Code Edition 2010
 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: _____ x L _____ = _____) - Mg: _____ = M₁ _____ Product Approval M_f _____
 (P2: _____ x A _____ = _____) - Mg: _____ = M₂ _____ Product Approval M_f _____
 (P3: _____ x A _____ = _____) - Mg: _____ = M₃ _____ Product Approval M_f _____

Method 2 "Simplified Tile Calculations Per Table Below"

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

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 "Moment Based Tile Calculations Per RAS 127"

(P1: _____ x L _____ = _____ x w: = _____) - W: _____ x cos θ _____ = F₁ _____ Product Approval F' _____
 (P2: _____ x L _____ = _____ x w: = _____) - W: _____ x cos θ _____ = F₂ _____ Product Approval F' _____
 (P3: _____ x L _____ = _____ x w: = _____) - W: _____ x cos θ _____ = F₃ _____ 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	C_e	Product Approval
Restoring Moment due to Gravity	M _g	Product Approval
Attachment Resistance	M _f	Product Approval
Required Moment Resistance	M _r	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.