CITY OF FORT LAUDERDALE

BUILDING DEPARTMENT
700 NW 19TH AVENUE
FORT LAUDERDALE, FL 33311
(954) 828-6520

FORMS NEEDED FOR ROOF PERMIT

*****USE BLACK INK ONLY ON ALL FORMS*****

OWNER BUILDER MAY DO SHINGLE RE-ROOF ONLY

- Permit Application
- Owner Builder Affidavit – if owner is acting as contractor (owner must provide proo of residency at job address and this affidavit must be signed by a Notary Public **at the Building Department**
- 2 original recorded Notices of Commencement if the job cost is over $2,500.00 (file at Broward County Governmental Center, Room 114, 115 South Andrews Ave , Fort Lauderdale, FL)
- 2 completed roofing packets
- 2 copies of Miami-Dade Notice of Acceptance (product approvals) obtained from point of purchase (please circle appropriate information in stead of highlighting)

Re-roofs (single-family residences) require:

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

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

- 1 copy of the Broward County Property Appraiser's assessed valuation of the building (see attached sample) available at www.bcpa.net
- 2 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 the job site by final inspections)

Re-roofs (other than single-family residences) require:

- Yellow copy of the Statement of Responsibilities Regarding Asbestos form from Broward County Development and Regulation Division (DER) - see attached samp

For lightweight concrete installation, use Lightweight Concrete Installation Packet

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

Florida Building Code Edition 2010

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 ☐ Reroofing ☐ Recovering ☐ Repair ☐ Maintenance

ROOF SYSTEM INFORMATION

Low Slope Roof Area (SF) Steep Sloped Roof Area (SF) 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.

City of Fort Lauderdale

Building Department

All roofing applications require this Rooftop Equipment Affidavit along with the High Velocity Hurricane Zone Uniform Permit Application Form.

ROOFTOP EQUIPMENT AFFIDAVIT

Application #: _____

Job Address: _____

Subdivision: _____ Lot: _____ Block: _____

Company Name: _____

Address: _____

_____

Name of Qualifier: _____ License # _____

Is any mechanical equipment being relocated or replaced? ☐ **Yes** ☐ **No**

If yes, a mechanical permit is required.

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 In accordance with Florida Building Code Section 1522 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.

_____ _____

Qualifier/Contractor Signature Date

Sworn to and subscribed before me this _____ day of _____

by _____ Produced as ID: _____

Notary Public, State of Florida _____

Notary Signature

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,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 of Product Approval
5.	Municipal Permit Application
6.	Owners Notification for Roofing Considerations (Reroofing Only)
7.	Any Required Roof Testing/Calculation Documentation

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

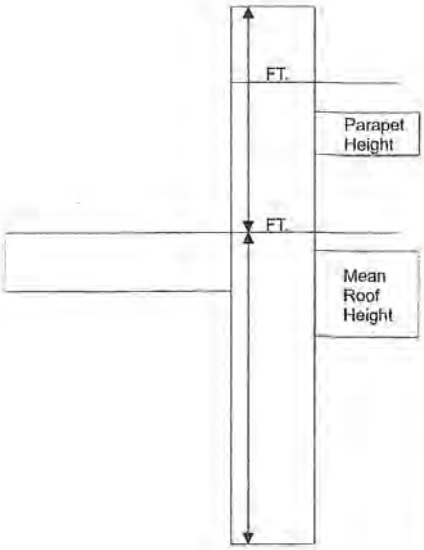
Corner: ____" oc @ Lap, # Rows ____ @ ____" oc

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 Manufacturers Details that Comply with RAS 111 and Chapter 16



CITY OF FORT LAUDERDALE
700 NW 19 AVE, FORT LAUDERDALE, FL 33311

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 8D 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 ½" 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 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 _____

SEAL:

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:** _____

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"

(P_1: _____ × λ _____ = _____) - Mg: _____ = M_{r1} _____ Product Approval M_f _____

(P_2: _____ × λ _____ = _____) - Mg: _____ = M_{r2} _____ Product Approval M_f _____

(P_3: _____ × λ _____ = _____) - Mg: _____ = M_{r3} _____ 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 "Uplift Based Tile Calculations Per RAS 127"

(P_1: _____ × L _____ = _____ × w: = _____) - W: _____ × cos θ _____ = F_{r1} _____ Product Approval F' _____

(P_2: _____ × L _____ = _____ × w: = _____) - W: _____ × cos θ _____ = F_{r2} _____ Product Approval F' _____

(P_3: _____ × L _____ = _____ × w: = _____) - W: _____ × 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_f	Product Approval
Required Moment Resistance	M_r	Calculated
Minimum Attachment Resistance	F'	Product Approval
Required Uplift Resistance	Fr	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 Fort Lauderdale

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ROOFTOP EQUIPMENT AFFIDAVIT

Application #: _____

Job Address: _____

Subdivision: _____ Lot: _____ Block: _____

Company Name: _____

Address: _____

_____

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If yes, a mechanical permit is required.

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_____ _____

Qualifier/Contractor Signature Date

Sworn to and subscribed before me this _____ day of _____

by _____ Produced as ID: _____

Notary Public, State of Florida _____

Notary Signature