City of Pembroke Pines

10100 Pines Blvd, Pembroke Pines, FL 33026 | Tel#954-435-6502 | Fax#954-435-6749

Permit Requirements for Roof Permit

- City of Pembroke Pines Permit Application (signed and notarized by contractor and owner)
- Rooftop Equipment Affidavit
- Affidavit of Awareness of Home Owners Association
- One copy of the High-Velocity Hurricane Zone permit package
- One copy of all applicable product approvals

Acceptable forms of payment include debit/credit card, check, or money order.
Please make all checks/money orders payable to CGA.

City of Pembroke Pines

10100 Pines Blvd, Pembroke Pines, FL 33026 | Tel#954-435-6502 | Fax#954-435-6749

All 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: _____

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

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS

Acceptable forms of payment include debit/credit card, check, or money order.
Please make all checks/money orders payable to CGA.

City of Pembroke Pines

10100 Pines Blvd, Pembroke Pines, FL 33026 | Tel#954-435-6502 | Fax#954-435-6749

Affidavit of Awareness of Homeowners' Association Regulation

OWNER: Please provide a brief description of work_____

For office Use only: Job Type _____

(Please Check One)

[ ] I, _____, acknowledge that I am a resident of the _____ homeowners' association ("HOA"), and that as a resident of the HOA I may be subject to additional building, landscaping or other regulations. I further understand that the issuance of a building permit by the City of Pembroke Pines, Florida does not exempt me from any and all other regulations imposed by my HOA. By Ord.1586, the Building Department will notify the association of the approval of the permitted work.

[ ] I, _____, am not a resident of a homeowners' association.

_____
(Signature of Applicant)

_____
(Print Name)
Address:

_____

_____

STATE OF _____)
COUNTY OF _____)

BEFORE ME, an officer duly authorized by law to administer oaths and take acknowledgments, personally appeared _____, and acknowledged the truth and execution of the foregoing Affidavit, for the use by the Building Department of the City of Pembroke Pines, Florida.

IN WITNESS OF THE FOREGOING, I have set my hand and official seal at in the State and County aforesaid on this day of, 20_____.

NOTARY PUBLIC

_____
My Commission Expires:

_____
Print Name

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS

Acceptable forms of payment include debit/credit card, check, or money order.
Please make all checks/money orders payable to CGA.

City of Pembroke Pines

10100 Pines Blvd, Pembroke Pines, FL 33026 | Tel#954-435-6502 | Fax#954-435-6749

SECTION 1525 (FLORIDA BUILDING CODE)
HIGH VELOCITY HURRICANE ZONES-REQUIRED OWNERS NOTIFICATION
FOR ROOFING CONSIDERATIONS

1525.1 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 initial in the designated space indicates that the item was explained.

1. _____ **Aestherics-Wormanship:** 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 (Code) (the roof deck is usually concealed prior to removing the existing 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 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 code] provides [an alternate for] maintaining its 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 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 require 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 overflown scuppers (Wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the requirements of [Chapter 16].

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 Signature	Date	Contractor's Signature

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS

Acceptable forms of payment include debit/credit card, check, or money order.
Please make all checks/money orders payable to CGA.

City of Pembroke Pines

10100 Pines Blvd, Pembroke Pines, FL 33026 | Tel#954-435-6502 | Fax#954-435-6749

JOB ADDRESS: _____ **PERMIT #**_____

Complete the re-nailing affidavit and provide two copies signed and sealed prior to Final.

Re-Nailing Affidavit

I am ☐ Florida Prof. Engineer, ☐ Reg. Architect, ☐ Licensed General Contractor ☐ Building Contractor, ☐ Residential Contractor, ☐ Person certified in the structural discipline under FS 468. License #_____

I hereby certify that the existing or supplemental fasteners have satisfied the requirements of table 201.1 (8d round head ring shank @ 6 " o.c. Max).

I hereby certify that a secondary water barrier has been provided as required by Section 201.2.

2.01.2. A secondary water barrier is installed using one of the following methods.

☐ All joints in roof sheathing shall be covered with a minimum 4" wide strip of Self-adhering polymer modified bitumen tape applied directly to the sheathing. (This method is not acceptable on board sheathed roofs)

☐ The 30# ASTM D226 or 30# ASTM D2626 tin tagged per the HVHZ Code shall be covered with an approved self-adhering polymer modified bitumen cap sheet.

☐ The 30# ASTM D226 or 30# ASTM D2626 tin tagged per the HVHZ Code shall be covered with an approved cap sheet applied using an approved hot-mop application. (Owner-builder may not choose this option)

_____ _____

Certifier Signature Date

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

_____ Produced as ID _____

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS

Acceptable forms of payment include debit/credit card, check, or money order.
Please make all checks/money orders payable to CGA.

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

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

O **Low Slope** O **Mechanically Fastened Tile** O **Mortar/Adhesive Set Tile**

O **Asphaltic Shingles** O **Metal Panel/Shingles** O **Wood Shingles/Shakes**

O **Prescriptive BUR-RAS 150**

ROOF TYPE

O **New Roof** O **Reroofing** O **Recovering** O **Repair** O **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.

Florida Building Code Edition 2010

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

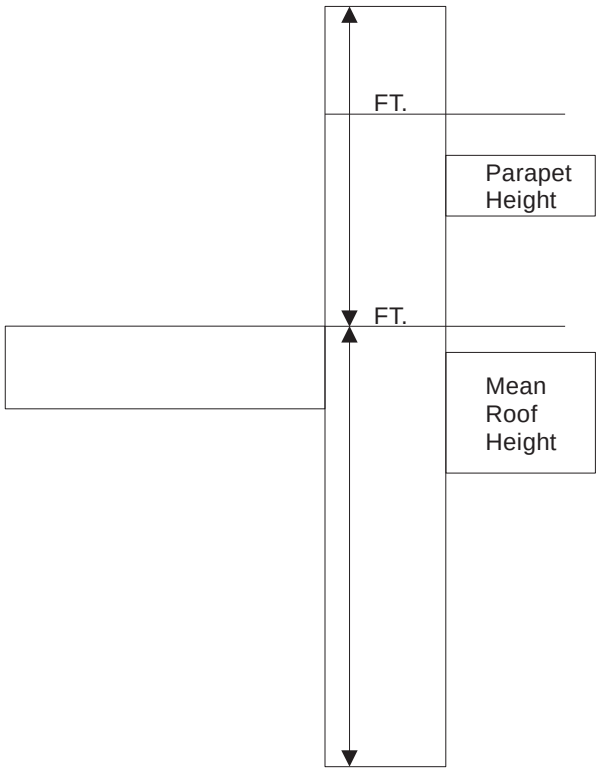
Number of Fasteners Per Insulation Board:

Field _____ Perimeter _____ Corner _____

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 2010

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: _____**
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"

(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 (Mr) 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 Fr. If the F' values are greater than or equal to the Fr values, for each area of the roof, then the tile attachment method is acceptable.

Method 3 "Moment Based Tile Calculations Per RAS 127"

(P_1: _____ × L _____ =_____ × w: = _____) - W: _____ × cos 8 _____ = F_{r1}_____ Product Approval F′ _____

(P_2: _____ × L _____ =_____ × w: = _____) - W: _____ × cos 8 _____ = F_{r2}_____ Product Approval F′ _____

(P_3: _____ × L _____ =_____ × w: = _____) - W: _____ × cos 8 _____ = 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	8	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 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.		