AFFIDAVIT OF COMPLIANCE WITH ROOF DECKING ATTACHMENT & SECONDARY WATER BARRIER HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES

Pursuant to Section 553.844 F.S.

Date:_____ Attached to Permit Number:

_____

To: The Town of Golden Beach
Building & Zoning Department
1 Golden Beach Drive
Golden Beach, Florida 33160

From: _____

_____

_____

Re: Property Address:_____
Property Owner:_____

I, _____, qualifying agent for_____
_____, certify that the roof decking and attachment and fasteners have been strengthened, 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.

Company Name:_____

_____
Qualifying Agent Signature
Print Name:_____
License No.:_____

Personally appeared before me_____, who stated he is the qualifying agent for _____, and who did take an oath, swearing to the above affidavit.

Sworn to and subscribed before me this_____, day of _____, 2008

_____ Supplied Identification:_____
Notary Public State of Florida at Large Personally Known:_____
Commission Expires:

SECTION 1524
HIGH VELOCITY HURRICANE ZONES REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

1524.1 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 adjacent box 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) issues 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. (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 Florida Building Code 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 build up 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 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
HIGH-VELOCITY HURRICANE ZONES UNIFORM PERMIT APPLICATION
Florida Building Code Edition 2004

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 2002

High Velocity Hurricane Zone Uniform Permit Application Form.

SECTION A (General Information)

Master Permit Number: _____ Process Number: _____

Contractor's Name: _____

Job Address: _____

ROOF CATEGORY

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

☐ **Asphalt Shingle** ☐ **Metal Panel/Shingles** ☐ **Wood Shingles/Shakes**

☐ **Prescriptive BUR-RAS 150**

ROOF TYPE

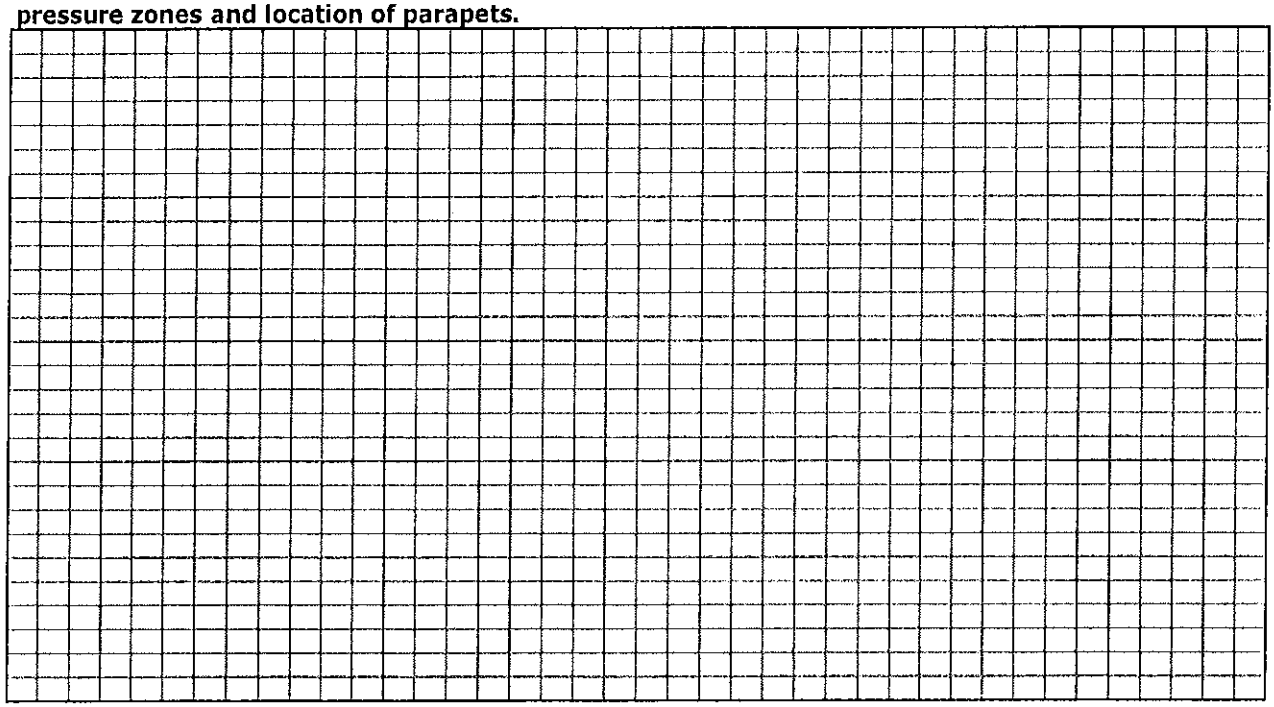
☐ **New Roof** ☐ **Re-Roofing** ☐ **Recovering** ☐ **Repair** ☐ **Maintenance**

ROOF SYSTEM INFORMATION

Low Slope Roof Area (S/F)	**Steep Slope Roof Area (S/F)**	**Total (S/F)**

ROOF SYSTEM INFORMATION

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 2002

High Velocity Hurricane Zone Uniform Permit Application Form.

Section c (Low Sloped Roof System)

Fill in Specific Roof Assembly Components and Identify Manufacturer

(If a component is not used, Identify as "N/A")

System Manufacturer: _____

NOA No.: _____

Design Wind Pressures, From RAS 128 or Calculations:

Pmax1: _____ Pmax2: _____ Pmax3: _____

Maximum Design Pressure, From the Specific NOA

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 & 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/Bas Sheet Attachment

Field _____ " oc @ Lap, # Rows _____ @ _____ " oc

Perimeter _____ " oc @ Lap, # Rows _____ @ _____ " oc

Corner _____ " oc @ Lap, # Rows _____ @ _____ " oc

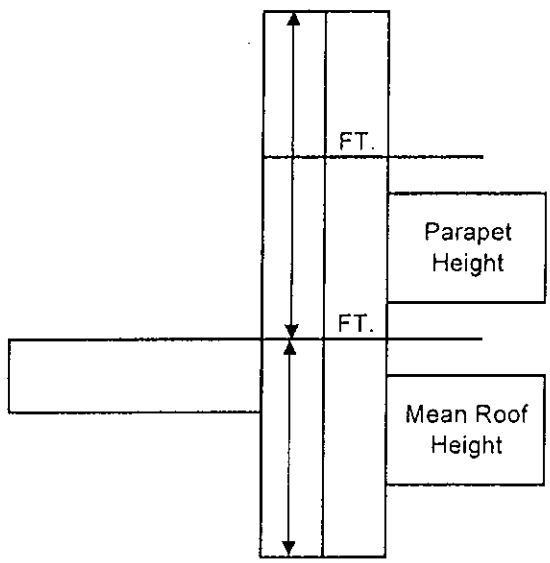
Number of Fasteners Per Insulation Board

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, Fastening Type, Fastener Spacing or Submit Manufacturers Details that Comply with RAS 111 and Chapter 16.



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High Velocity Hurricane Zone Uniform Permit Application Form.

Section D (Steep Slope Roof System)

Roof System Manufacturer: _____

Notice of Acceptance Number: _____

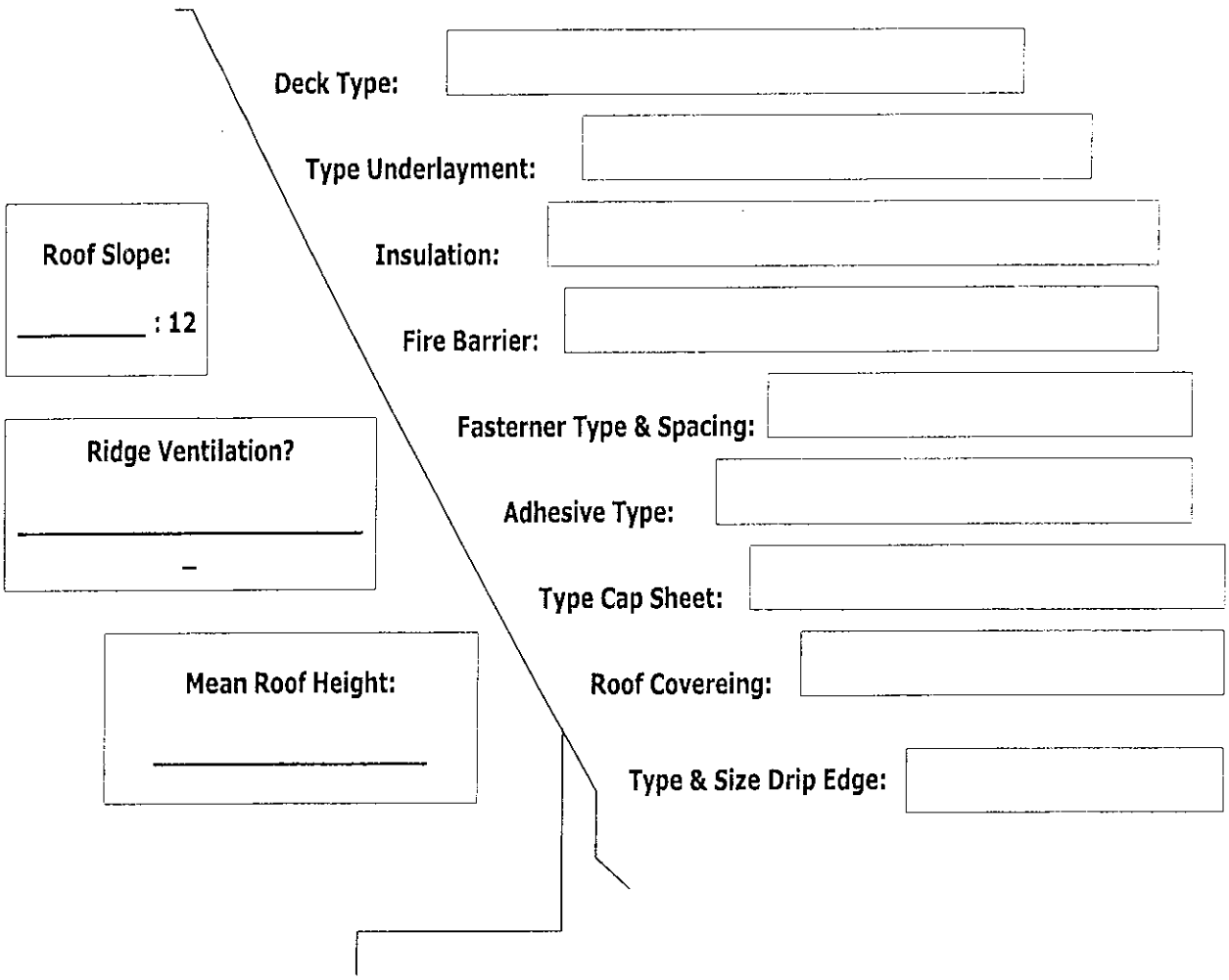
Minimum Design Wind Pressures, If Applicable (From RAS 127 or Calculations):

P1: _____ P1: _____ P1: _____

Maximum Design Pressure (From the NOA Specific System): _____

Method of Tile Attachment: _____

Steep Slope Roof System Description



Florida Building Code Edition 2002

High Velocity Hurricane Zone Uniform Permit Application Form.

Section E (Tile Calculations)

For Moment based tile systems, choose wither Method 1 or 2. Compare the values for M_f, with the values from M_r. If the M_f values are greater thatn or equal to the M_r values, for each area of roof, then the tile attachment method is acceptable.

Method 1 "Moment Based Tile Calculations Per RAS 127"

(P1: ____ X λ ____ equals ____) minus Mg: ____ equals Mr1 ____ NOA Mf ____

(P2: ____ X λ ____ equals ____) minus Mg: ____ equals Mr1 ____ NOA Mf ____

(P3: ____ X λ ____ equals ____) minus Mg: ____ equals Mr1 ____ NOA Mf ____

Method 2 "Simplified Tile Calculation Per Table Below"

Required Moment of Resisitance (M_r) From below: ____ NOA M_f ____

M_r Required Moment Resistence*

Mean Roof Height → / Roof Slope ↓	15'	20'	25'	30'	40'
2:12	30.7	33.4	35.7	37.7	40.7
3:12	28.7	31.3	33.4	35.2	38.1
4:12	26.6	28.9	30.9	32.6	35.2
5:12	24.5	26.7	28.5	30.0	32.5
6:12	22.5	24.5	26.2	27.6	29.8
7:12	20.8	22.6	24.1	25.4	27.5

* Must be used in conjunction with a list of moments based tile system endorsed by the Broward County Board of Rules and Appeals.

For Uplift based tile system use Method 3. Compared the values for F' with the values for F_r. If the F' value are greater that 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: ____ equals ____ X w: ____ equals ____) minus W: ____ X cos θ: ____ equals Fr1: ____ NOA F' ____

(P2: ____ X l: ____ equals ____ X w: ____ equals ____) minus W: ____ X cos θ: ____ equals Fr1: ____ NOA F' ____

(P3: ____ X l: ____ equals ____ X w: ____ equals ____) minus W: ____ X cos θ: ____ equals Fr1: ____ NOA F' ____

Where to Obtain Information		
DESCRIPTION	SYMBOL	WHERE TO FIND
Design Pressure	P1, 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 Multipiler	λ	NOA
Restoring Moment due to Gravity	Mg	NOA
Attachment Resistance	Mf	NOA
Required Moment Resistance	Mr	Calculated
Minimum Attachment Resistance	F'	NOA
Required Uplift Resistance	Fr	Calculated
Average Tile Weight	W	NOA
Tile Dimensions	l = length w = width	NOA
All calculations must be submitted to the Building Official at the time of permit application.		